BENSENVILLE
VILLAGE CLERK'S OFFICE

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December 7, 2017

Mr. Henry Rafidia
170 West Polk Street
Chicago, Illinois 60605

Re: November 30, 2017 FOIA Request

Dear Mr. Rafidia:

I am pleased to help you with your November 30, 2017 Freedom of Information Act ("FOIA"). The Village of Bensenville received your request on December 1, 2017. You requested copies of the items indicated below:

"Copies of all proposal, responses, bids or submissions submitted in connection with the 2017 Statements of Qualifications for Short-Lists for Civil Engineering Services."

After a search of Village files, the following documents are enclosed to fulfill your request:

1) All Proposals Submitted for the Village of Bensenville 2017 Statements of Qualifications for Short-Lists for Civil Engineering Services. (1,764 pgs.)

These are all of the documents that can be discovered responsive to your request.

Do not hesitate to contact me if you have any questions or concerns in connection with this response.

Very truly yours,

Corey Williamsen
Freedom of Information Officer
Village of Bensenville

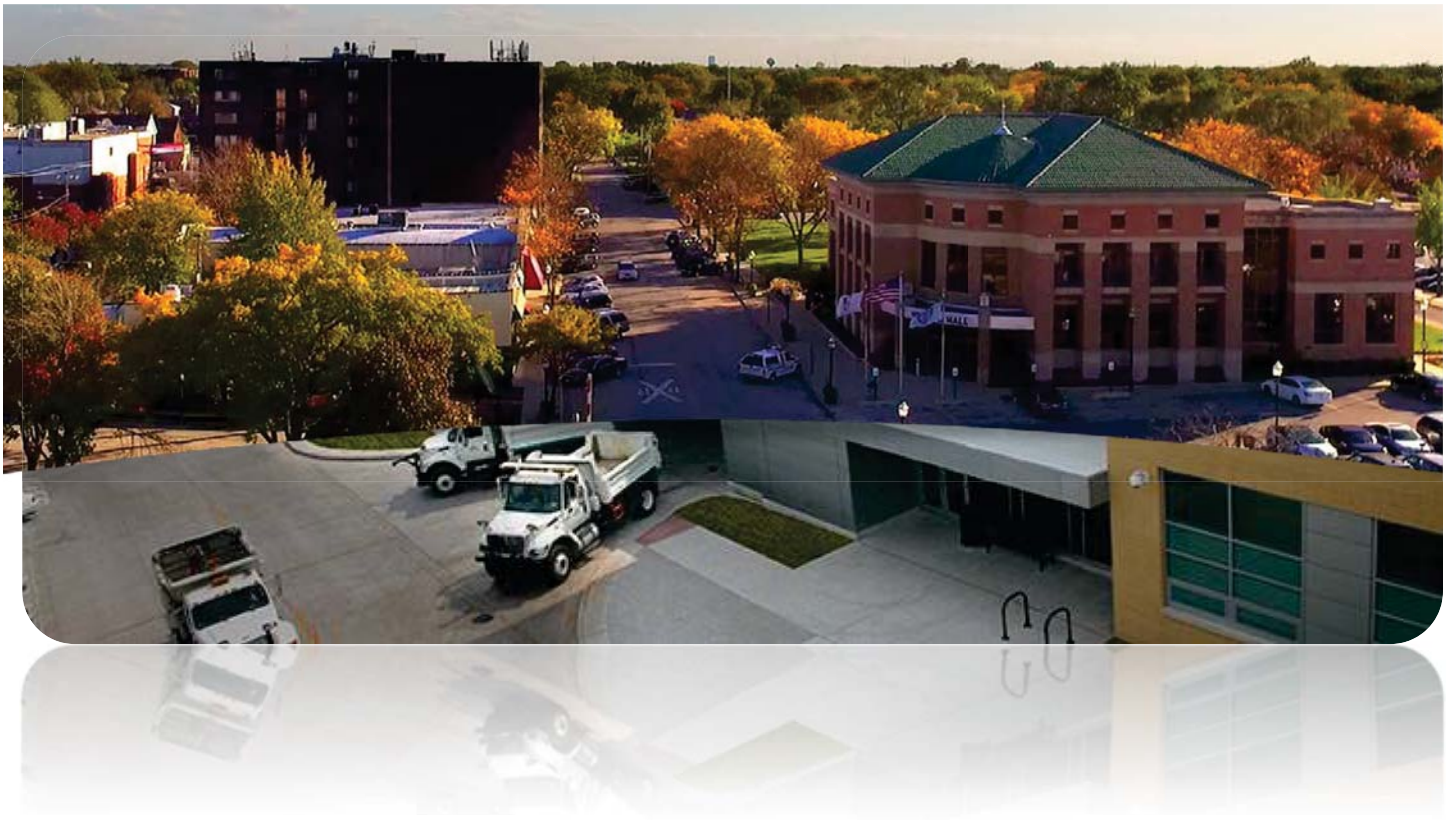
BENSENVILLE
GATEWAY TO OPPORTUNITY

REQUEST FOR QUALIFICATIONS

ESTABLISHMENT OF SHORT-LISTS FOR CIVIL ENGINEERING SERVICES

PREPARED FOR
VILLAGE OF BENSENVILLE

October 19, 2017



AEG ATLAS ENGINEERING GROUP, LTD.

3100 Dundee Road, Suite 502
Northbrook, IL 60062
Phone: (847) 753-8020
Fax: (847) 753-8023
www.aegroupltd.com

Submitted to:

Joseph M. Caracci. P.E.
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, IL 60106

AEG ATLAS ENGINEERING GROUP, LTD.

October 19, 2017

Mr. Joseph M. Caracci, P.E.
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, IL 60106

Re: Request for Qualifications
Establishment of Short-Lists for Civil Engineering Services

Dear Mr. Caracci:

Atlas Engineering Group, Ltd. (AEG), and P. K. Gandhi and Associates, as subconsultants, are pleased to submit our Statement of Qualifications to the Village of Bensenville Public Works Department for the Establishment of Short-Lists for Civil Engineering Services.

Our firm is interested in the following categories and order: **Design Engineering, Stormwater Engineering and Resident Engineering**. Our IDOT Prequalification Letters are included in Section 6 of the Statement of Qualifications. Our Team brings unique qualifications to the Village, including:

- **Experience.** Worked on multiple design and construction management projects for IDOT, Tollway, CDOT, CDWM, Municipalities and Utility Companies;

- **A Local Team.** All key staff committed to any Bensenville projects will work from our Northbrook office, literally a few minutes' drive from the Village of Bensenville;

- **Mid-size Firm Resources.** With about 30 full-time engineering and technical staff, AEG has personnel and state-of-the-art equipment to ensure timely, quality service. We are a full service engineering firm with expertise in land surveying, water resources, roadway and traffic signal design, utility design, transportation engineering, and construction management services. All lighting-related work will be completed by Gandhi & Associates, as subconsultants;

- **Small-firm Service.** The cornerstone of AEG's corporate philosophy and the foundation for our success has always been superior client service. Many firms can provide technical expertise; AEG recognizes that expertise is only effective when we understand a client's goals and needs.

We look forward to the opportunity to meet with you and discuss our experience and qualifications in more detail. Should you have any questions, or desire additional information, please do not hesitate to call us at (847) 753-8020.

Sincerely,

Natalia Homedi, P.E., President
Atlas Engineering Group, Ltd.

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SECTION 1

FIRM OVERVIEW

FIRM OVERVIEW

Atlas Engineering Group, Ltd. (AEG) is a professional, licensed consulting engineering and land surveying firm specializing in planning, civil engineering design, construction inspection, transportation engineering and land surveying services for public and private sector projects. AEG was founded by Natalia N. Homedi, P.E., President; and Eyad Homedi, P.E., M.D., Executive Vice President and CEO in 2007 and the firm is certified as a Woman-owned Business Enterprise **(WBE)** and a Disadvantaged Business Enterprise **(DBE)**. Ms. Homedi, P.E., and Eyad Homedi, P.E., have over twenty-five years of professional experience each with engineering consultants and agencies such as the Illinois Department of Transportation (IDOT), the Illinois Tollway, Indiana Department of Transportation (InDOT), Wisconsin Department of Transportation (WisDOT), and the City of Chicago. AEG is headquartered in the northern suburbs of Chicago in Northbrook, Illinois.

The firm is prequalified by IDOT, the Illinois Tollway, InDOT, WisDOT, ODOT and the City of Chicago to specialize in the preparation of Plans, Specifications, and Estimates for Airport Design, Highways - Freeways, Highways - Roads and Streets, Special Studies - Traffic Studies, Traffic Signals, Special Studies - Location Drainage, Hydraulic Reports – Waterways: Complex, Typical, and Pump Stations; Location Design Studies – Rehabilitation and Reconstruction/Major Rehabilitation; Transportation Studies – Railway Engineering; Special Services (Construction Inspection), Airport Construction Management and Special Services (Land Surveying) and Traffic Data Collection. AEG utilizes Bentley integrated MicroStation V8i powered by Open Roads along with GEOPAK, AutoCAD and all support software capabilities to design and draft highway facilities.

Currently, AEG has an experienced team that has been together consistently for a number of years. Below, is a list of our key staff:

- Natalia Homedi, PE, President & Founder
- Eyad Homedi, MD, PE, Executive Vice President & CEO
- Yemi Oyewole, PE, Director of Transportation Design
- Ken Cortopossi, Design Department Manager
- Melanie Kueber Watkins, Ph.D, P.E., Drainage Design Manager
- Roark V. Rogers, PLS, Survey Department Manager
- Zia Khaliq, PMP, Traffic Data Collection & ITS Project Manager
- Syed I. Ahmed, Construction Project Manager
- Jeff Kraines, CPA, Controller, Director of Human Resources

AEG has performed many highway engineering projects, several of which are with our Transportation Team who have projects with the Illinois Department of Transportation (IDOT), Illinois State Toll Highway Authority (ISTHA), CDOT, CDWM and Municipalities.

SECTION 2

PROJECT OVERVIEW

PROJECT OVERVIEW

Atlas Engineering Group, Ltd. (AEG) understands that the Village will be establishing short-lists of a desired minimum of three (3) qualified firms each for the following categories of work:

Design Engineering: This category includes preliminary and final design phase services for roadway improvements including but not limited to reconstruction, grind and overlay projects and other miscellaneous related projects such as parking lots. The resulting construction documents shall be in a format based on the requirements of the funding source for construction. The work may include, or consist of, modifications to existing underground utilities or construction of new facilities such as storm sewers, sanitary sewers, water mains and all related appurtenances. The analysis, design and preparation of construction documents for traffic signals (including intersection design studies), pedestrian crossing signals and street lighting is included in this category. This category also includes storm water and sanitary sewer modeling and analysis, storm water retention / detention facilities analysis and design, SCADA, pump station related work (analysis, modeling and design related services for storm water, sanitary sewer and water distribution pump stations including modifications to existing facilities, design of replacement facilities or entirely new facilities) and water distribution system related work. A strong experience with successful acquisition of STP, CMAQ, ITEP, RTA, CDBG and other related grants required.

Wastewater Related Improvements: This category includes preliminary and final design phase services for wastewater related improvements. The work may include, or consist of, lift station analysis, sanitary sewer evaluation study, modifications to existing facilities, analysis and design of new/better systems, CMOM (Capacity, Management, Operation and Maintenance) Programs, wastewater-pumping stations and all appurtenances. A strong relationship and experience with IEPA and successful acquisition of IEPA and other related grants required.

Stormwater Engineering: This category includes the performance of professional engineering services associated with new developments and shall include preliminary and final plan reviews, special studies upon the request of the Village, as-built reviews, and letter of credit reductions,. Responsibilities include, but are not limited to, engineering reviews, field inspections and evaluations, in accordance with the DuPage County Countywide Stormwater and Floodplain Ordinance, latest edition. This category also includes storm water and analysis, storm water retention / detention facilities analysis and design, pump station related work (analysis, modeling and design related services for storm water).

Resident Engineering: This category consists of construction related engineering (IDOT phase 3) services including, but not limited to; resident engineering, construction staking, construction inspection / observation, documentation of quantities, material inspections and preparation of record drawings. The types of construction projects are similar to the types of projects described in the other short-list categories. Construction funding sources typically include STP, MFT, CDBG and local funds. Individual projects may utilize a variety of funding sources.

SECTION 3

SIMILAR PROJECT EXPERIENCE FORM

SIMILAR PROJECT EXPERIENCE

AEG will engage P.K. Gandhi & Associates, as a subconsultant, to provide all lighting and traffic signal design support. The AEG Team has an established track record of providing quality engineering design, permitting support and construction management services to a wide array of clients. We have provided design and construction management for water main, storm sewer and general highway engineering projects for IDOT, the Illinois Tollway, MWRDGC, CDOT, Cook County, and municipalities.

The following sample projects present an overview of our Team's work experience on similar projects.

AEG - PROJECT #1

Project / Client	Various Phase II Projects, Various Routes, Various Counties/ / IDOT District One
Scope of Work / (Contractor) / Client POC	*US Route 41 from IL Route 21 to Delany Road, Cook County,* AEG was a subconsultant responsible for Phase II design engineering consisting of the development of final plans, specifications and estimates; drainage plans, supporting calculations, specifications, special provisions, quantity and cost estimates, and required permits, Storm Water Pollution Prevention Plans (SWPPP), Floodway Permit application, compensatory storage design, development of cross sections and soil erosion control plans. Responsibilities included project design support, cost estimating and analysis, utility coordination and contract administration. *IL 173 @ Tiffany Road, Antioch, IL.* AEG was a subconsultant responsible for the Phase II drainage plans, specifications and estimates preparation. This project involved the widening and signalization of the intersection of IL 173 and Tiffany Road in Antioch, Illinois. AEG was responsible for finalization of the storm sewer design and preparation of plans, specifications, and estimates related to drainage items. *Joliet Road Over Flagg Creek, Village of Indian Head Park, Phase II Design* — AEG was responsible for the Phase II Drainage Plans, Specifications and Estimates preparation. The project scope for this location consisted of the removal and replacement of the bridge superstructure and repairs of the substructure. In addition, the bridge profile was raised to provide additional clearance.

	US Route 14 over Lawrence Creek Tributary, McHenry County. AEG was responsible for the Phase II drainage plans, specifications and estimates preparation. The project scope consisted of the removal of the existing double-barrel concrete box culvert with two 10-foot by 6-foot barrels and replacement with a new double barrel concrete box culvert with two 12-foot by 6-foot barrels. AEG developed the drainage and utilities contract plan sheet, specifications and estimate of cost for the pre-final and final plan submittal. *US Route 12/45 (Mannheim Road) Over Addison Creek, Village of Stone Park.* AEG was responsible for the Phase II drainage plans, specifications and estimates preparation. The project scope consisted of the removal of the existing triple-cell box culvert (two 4x10-ft cells with a center 7.22-foot x 10-foot cell) and replacement with a new culvert selected from two alternatives recommended in Phase I. / Phase II / / Millennia Professional Services, Ramon Dela Cruz, P.E. - Project Manager (630) 705-0110
Project Team	Millennia Professional Services, Ramon Dela Cruz, P.E. - Project Manager; AEG, Yemi Oyewole, P.E. – Project Manager, Gene Sherman, P.E. – Project Engineer
Construction Cost / Fee / Year	$20,000,000 / $179,685 / 2012 - 2014

AEG - PROJECT #2

Project / Client	I-90: I-190 East to IL 43 (Harlem Ave.) / IDOT District One
Scope of Work / (Contractor) / Client POC	Location design studies, intersection design studies, safety studies, crash analysis, capacity analysis, location drainage studies and hydraulic report. Phase I & II / HNTB, Donald Wittmer - Transportation Department Manager (312) 930-9119
Project Team	HNTB, Donald Wittmer, P.E. - Project Manager; Matt Miller, P.E. - Technical Lead; Matt Kirby, P.E. – Assistant Lead; AEG, Yemi Oyewole, P.E. – Project Manager, Gene Sherman, P.E. – Project Engineer
Construction Cost / Fee / Year	$50,000,000 / $103,122 / 2012 - Present

AEG - PROJECT #3

Project / Client	Field Collection of Traffic Data on Various Routes for Various Counties in Districts One and Two / IDOT Districts One and Two
Scope of Work / (Contractor) / Client POC	AEG, as prime consultant, is responsible for the collection of approximately 9,900 24-hour field traffic counts in District One and District Two. This entails obtaining accurate machine traffic counts using magnetic lane counters [24-hour classification counts using magnetic lane counters (HiStars)] and submitting the raw traffic data to the Department's district project manager for processing. In 2014-15, AEG was a subconsultant to Gewalt Hamilton Associates, responsible for assisting with the collection of approximately 8,700 24-hour field traffic counts in District One and District Two. This entailed obtaining accurate machine traffic counts using magnetic lane counters [24-hour classification counts using magnetic lane counters (HiStars)] and submitting the raw traffic data to the department's district project manager for processing. Phase I / IDOT, Mike Miller, P.M.P., Project Manager (217) 785-8494.
Project Team	IDOT, Mike Miller, P.M.P. - Project Manager; AEG, Yemi Oyewole, P.E. – Project Director, Zia Khaliq, P.M.P. – Project Manager
Construction Cost / Fee / Year	$3,000,000 / $1,650,000 / 2015 - Present

AEG - PROJECT #4

Project / Client	I-90 at Lee Street Interchange – New Eastbound Ramp / Illinois Tollway
Scope of Work / (Contractor) / Client POC	Prepared a Combined Design Report to determine the best alternative for the construction of a new I-90 eastbound exit ramp at Lee Street and relocation of Upper Access Drive. Tasks included the preparation of a Concept Drainage Report, Interchange / Intersection Design Studies, geometric studies, safety studies including crash analysis, traffic simulation modeling, capacity analysis, maintenance of traffic analysis, drainage design alternatives, drainage calculations, XPSWMM modelling, GEOPAK detention grading and modeling, detention basin design and cost estimating. Phase I & II / WSP, Robert Thoma, P.E. - Senior Project Manager (312) 782-8150
Project Team	WSP, Robert Thoma, P.E. – Sr. Project Manager; Jessica Slaton, P.E., P.T.O.E. – Traffic Engineer; Sandra Verthein, P.E. – Drainage Engineer; AEG, Natalia Homedi, P.E. – Project Principal; Yemi Oyewole, P.E. - Project Manager; Gene Sherman, P.E. – Project Engineer
Construction Cost / Fee / Year	$5,000,000 / $217,000 / 2012 - 2016

AEG - PROJECT #5

Project / Client	Cypress Lane: North of 131st Street, Palos Heights, IL / Metropolitan Water Reclamation District of Greater Chicago
Scope of Work / (Contractor) / Client POC	AEG provided Design Engineering Services for Phase II Engineering Study of the flood control project (MWRD Contract 14-259-5C) / storm water management project in the vicinity of 131st Street and Cypress Lane in Palos Heights. Key responsibilities included the development of alternatives to identify potential solutions and recommend improvements for the identified flooding in the Cypress Lane study. Phase II / Chastain & Associates, Steve Frerichs – Sr. Project Manager (773) 714-0050
Project Team	Chastain & Associates, Steve Frerichs – Sr. Project Manager; AEG, Yemi Oyewole, P.E. – Project Manager; Gene Sherman, P.E. – Project Engineer
Construction Cost / Fee / Year	$726,000 / $16,093 / 2015 - 2016

AEG - PROJECT #6

Project / Client	Construction Management Services Upon Request – Systemwide (RR-13-9150) / Illinois Tollway
Scope of Work / (Contractor) / Client POC	Prime Consultant responsible for providing construction management services for systemwide signing contract, systemwide pavement marking contract, facility roof repairs, facility HVAC, generator and boiler upgrades, electrical upgrades at the Tollway's Central Administration Building and on-call and as-needed work related to the Tollway system. Tasks included constructability reviews of contract plans, quality assurance and other technical services as directed by the Tollway. Other responsibilities included construction management and field inspection of various projects involving test gantry installation, DMS sign installation, permanent truck scale installation at M-2 maintenance facility and other projects. Phase III / F.H. Paschen / Pagoda Electric & Construction, Inc., John Barton, Project Manager / Maintenance Coatings – Julie Wrightsman, Superintendent, (847) 622-0020.
Project Team	ISTHA, Eduardo Flores, P.M.P. - Project Manager; AEG, Natalia Homedi, P.E. - Project Manager, AEG, Zia Khaliq, P.M.P. – Resident Engineer; AEG, Yemi Oyewole, P.E. – QA/QC Manager; Jacobs Engineering Group; H.W. Lochner, Inc.; Millennia Professional Services.
Construction Cost / Fee / Year	$10,645,888 / $2,500,000 / 2014 - 2016

AEG - PROJECT #7

Project / Client	Ryan Field West Improvements, Storm Water Detention Facility along Ashland Avenue, Central Street to Isabella Street / Northwestern University, Evanston, Illinois
Scope of Work / (Contractor) / Client POC	Resident Engineering for the installation of stormwater detention facility, which included multiple underground Storm Trap (precast concrete modular stormwater management system) drainage system with 2.33 acre-feet detention capacity, pulverization of existing HMA pavement to use as aggregate sub grade improvement, permeable pavers for additional detention capacity, curb & gutter, PCC pavement & sidewalk with brick pavers, HMA binder & surface course paving along with the lighting & communication system and landscaping improvements. This project had a very aggressive schedule to be completed within 10 weeks prior to start of the first game on September 2, 2016 and the deadline was met. Phase III / LoVerde Construction Company / Lenny Hoffman Excavating, Inc., / Patrick Clarke, Superintendent (847) 256-3800.
Project Team	GHA, Steven Berecz, P.E. - Project Manager; AEG, Syed Ahmed – Resident Engineer; AEG, Yemi Oyewole, P.E. – QA/QC Manager.
Construction Cost / Fee / Year	$4,858,057.15 / $746,903.50 / 2016

AEG - PROJECT #8

Project / Client	Central Road: Ela Road to Roselle Road / Illinois Tollway / Cook County Department of Transportation & Highways
Scope of Work / (Contractor) / Client POC	Resident Engineer & Documentation Engineer responsible for construction oversight. Phase III / Lorig Construction / Joe Moyer – Superintendent (847) 343-1378.
Project Team	ISTHA, Anthony Aladham, P.E. - Project Manager; GHA, Mike Shrake, P.E. – Project Manager; AEG, Natalia Homedi, P.E. – Deputy Project Manager; AEG, Syed Ahmed – Resident Engineer; AEG, Yemi Oyewole, P.E. – QA/QC Manager; Wang Engineering – Geotechnical; Aqua Vitae – Erosion & Sediment Control
Construction Cost / Fee / Year	$21,000,000 / $746,903.50 / 2017 - Present

P.K. GANDHI & ASSOCIATES - PROJECT #1

Project / Client	Meacham Road from Tower Road to Drummer Drive / Village of Schaumburg, Illinois
Scope of Work / (Contractor) / Client POC	Gandhi & Associates was responsible for the lighting design, for widened roadway and bridge, removal of existing lighting, coordination with existing lighting, Village-owned decorative lighting, photometric computations, voltage drop computations, quantities and cost estimates, special provisions, and project coordination with the client, for approximately 3,000 ft of a six-lane urban roadway with sidewalk. Phase II / HDR, Inc., Tom Hein, P.E. (773) 380-7900.
Project Team	HDR, Tom Hein. P.E. – Project Manager, (773) 380-7900; Gandhi & Associates, Peter Van De Motter, P.E. – Project Manager; Mohammad Ali Abdo – Project Engineer
Construction Cost / Fee / Year	$1,000,000 / $40,000 / 2014

P.K. GANDHI & ASSOCIATES - PROJECT #2

Project / Client	Roselle Road from Hillcrest Boulevard to Central Road / Village of Schaumburg, Illinois
Scope of Work / (Contractor) / Client POC	Gandhi & Associates was responsible for lighting design, for widened roadway and bridge, removal of existing lighting, coordination with existing lighting, Village-owned decorative lighting, photometric computations, voltage drop computations, quantities and cost estimates, special provisions, and project coordination with the client, for approximately 2,500 ft of a six-lane urban roadway with sidewalk. Phase II / HDR, Inc., Tom Hein, P.E. (773) 380-7900.
Project Team	HDR, Tom Hein. P.E. – Project Manager, (773) 380-7900; Gandhi & Associates, Peter Van De Motter, P.E. – Project Manager; Mohammad Ali Abdo – Project Engineer
Construction Cost / Fee / Year	$700,000 / $55,000 / 2014

P.K. GANDHI & ASSOCIATES - PROJECT #3

Project / Client	Des Plaines River Road tunnel under Interstate 90, Rosemont, Illinois / Village of Rosemont, Illinois
Scope of Work / (Contractor) / Client POC	Gandhi & Associates was responsible for proposed lighting design layout; photometrics computations for horizontal illuminance, pavement luminance and veiling luminance (disability glare) with AGi32 software; daytime and nighttime lighting levels. Coordination with Rosemont Village Engineer; coordination with electric utility, conduit and cable sizing, voltage drop computations, plan preparation, special provisions and cost estimate for approximately 216 ft. long, six-lane urban roadway with sidewalk, divided tunnel. Mounting Height 16 ft., Wattage, 400 W High Pressure Sodium, 240-V. / Parsons Brinkerhoff, Dave Skaleski, P.E., (312) 803-6529.
Project Team	Parsons Brinkerhoff, Dave Skaleski, P.E. - Project Manager; Gandhi & Associates, Peter Van De Motter, P.E. – Project Manager; Mohammad Ali Abdo – Project Engineer
Construction Cost / Fee / Year	$600,000 / $40,000 / 2014

P.K. GANDHI & ASSOCIATES - PROJECT #4

Project / Client	Governor's Highway from 219th Street to Mall Entrance / Village of Richton Park, Illinois
Scope of Work / (Contractor) / Client POC	Gandhi & Associates was responsible for redesigning existing lighting system (34 poles) along Governor's Highway including photometric calculations for **LED retrofit**, determination of need for additional luminaires and relocation of nonconforming poles.
Project Team	Production Distribution Company, Leonard Chocholek (708) 498-0195 - Project Manager; Gandhi & Associates, Peter Van De Motter, P.E. – Project Manager; Mohammad Ali Abdo – Project Engineer
Construction Cost / Fee / Year	N/A / N/A / 2013

P.K. GANDHI & ASSOCIATES - PROJECT #5

Project / Client	Milwaukee Avenue from Belmont Avenue to Kildare Avenue / Chicago, Illinois
Scope of Work / (Contractor) / Client POC	Gandhi & Associates was responsible for lighting layout; **conversion to LED** streetlighting, computations for horizontal illuminance, pavement luminance and veiling luminance (disability glare); determination of cable routing; voltage drop computations; plan preparation, specifications and estimate of quantities.
Project Team	Amec Foster Wheeler, Chris Prosperi (773) 693-6030 - Project Manager; Gandhi & Associates, Peter Van De Motter, P.E. – Project Manager; Mohammad Ali Abdo – Project Engineer
Construction Cost / Fee / Year	N/A / N/A / 2013

SECTION 4

STAFFING FORM

STAFFING FORM

AEG's approach to municipal service is as a team, both in-house and with Village staff and officials. Internally, the Project Manager leads the team as the point of contact for Municipal staff, calling on other engineers in our office who specialize in various sub-disciplines as required. There is a wide variety of IDOT and municipal experience represented in our firm, and engineers are assigned to projects as their expertise is needed. AEG staff has decades of direct experience with various agencies including IDOT, Tollway, CDOT, CDWM and a number of communities in the area.

AEG staff has had considerable experience interacting with residents and presenting at public meetings and hearings in support of our municipal clients. The staff members below have performed several design and construction management tasks for a variety of public and private clients in the Chicagoland area.

The following are key staff who will be assigned to provide professional civil engineering services for design engineering, resident engineering and stormwater engineering projects in the Village of Bensenville:

Name/Registration/Title	Years of Exp./ @ Firm	IDOT/Municipal Project Experience
Natalia Homedi, P.E./ Principal	25/10	IDOT, Contract 60X61, Auxiliary Lanes Project. Served as Project Principal for construction inspection services for auxiliary lanes, retaining and noise abatement walls. IDOT, Contract 60W30, I-90/I-94 Taylor Street Bridge Project. Served as Project Principal for construction inspection services for the reconstruction of Taylor Street from Union Avenue to Des Plaines Street. IDOT District 1, US 30 (Lincoln Hwy) to I-55. Served as Project Manager overseeing AEG staff providing construction inspection services.
Eyad Homedi, P.E./ Principal	25/10	IDOT, Contract 60X61, Auxiliary Lanes Project. Served as Project Principal for construction inspection services for auxiliary lanes, retaining and noise abatement walls. IDOT, Contract 60W30, I-90/I-94 Taylor Street Bridge Project. Served as Project

Name/Registration/Title	Years of Exp./ @ Firm	IDOT/Municipal Project Experience
		Principal for construction inspection services for the reconstruction of Taylor Street from Union Avenue to Des Plaines Street. IDOT District 1, US 30 (Lincoln Hwy) to I-55. Served as Project Manager overseeing AEG staff providing construction inspection services.
Yemi Oyewole, P.E./ Transportation Design Director	28/4	Illinois Tollway, Construction Management Services Upon Request-Systemwide. Served as Quality Assurance Manager responsible for overseeing resident engineers and field staff providing construction inspection services. IDOT District 1, various Phase I/II engineering services. Served as project manager responsible for supervising all location design studies, drainage studies and plans, specifications and cost estimates preparation.
Ken Cortopassi/ Design Group Manager	30/1	Illinois Tollway, Task Order Master Agreement. Served as project manager for Systemwide design services with valued over $150 M. Managed staff responsible for the preparation of plans, specifications and cost estimates. IDOT, various-various phase I/II engineering services. Served as project manager for the location design studies and design plans for three reconstruction projects.
Melanie Kueber Watkins, Ph.D., P.E./ Drainage Design Manager/ Project Manager	15/1	IDOT, Dan Ryan Expressway: 31st Street to I-57. Served as project engineer responsible for contract negotiation and management, and engineering document review including phase I plans. IDOT, IL 53 (Elgin O'Hare Expressway to Army Trail Road. Served as project engineer for the reconstruction and add-lanes project with right-of-way acquisition including improvements to correct extensive flooding problems.

Name/Registration/Title	Years of Exp./ @ Firm	IDOT/Municipal Project Experience
Zia Khaliq, P.M.P./ Sr. Project Manager	11/5	Illinois Tollway, CM Services Upon Request-Systemwide. Served as Project Manager in a prime role, for multiple projects including construction management and construction inspection of various projects requested by the Tollway. IDOT, Traffic Data Collection. Served as Project Manager responsible for the field collection of traffic data in District 1 and 2 utilizing magnetic counters, tube counts and Miovision equipment.
Roark Rogers, P.L.S./ Survey Department Manager	23/1	Illinois Tollway, I-294 from Cermak to Balmoral. Served as lead survey manager performing field surveys with GPS and total station equipment. Responsibilities included supervising survey crews and submittal of deliverables to client. IDOT Districts 1 and 2, Various surveying services. Served as project manager overseeing survey crews and managing various project work orders for various locations.
Syed Ahmed/Senior Resident Engineer/ Project Manager	32/2	Northwestern University, Evanston. Served as resident engineer responsible for parking lot reconstruction, multiple underground Storm Trap drainage detention system installation, lighting and landscaping. IDOT District 1, various construction projects. Served as IDOT resident engineer for over 27 years on multiple roadway projects in various municipalities across Cook and Lake Counties. Responsible for managing projects and overseeing all construction staff and operations.
Rebecca Forbeck, P.E./ Project Manager	12/5	IDOT, Contract 60X61, Auxiliary Lanes Project. Served as construction inspector for construction inspection services for auxiliary lanes, retaining and noise abatement walls. IDOT, Contract 60W30, I-90/I-94 Taylor

Name/Registration/Title	Years of Exp./ @ Firm	IDOT/Municipal Project Experience
		Street Bridge Project. Served as construction inspector for construction inspection services for the reconstruction of Taylor Street from Union Avenue to Des Plaines Street.
Blake Steffens, E.I./ Civil Engineer	4/4	IDOT District 1, various phase II design projects. Served as project engineer preparing day-to-day engineering design utilizing MicroStation and GEOPAK. Responsibilities included quantity takeoffs, and the preparation of specifications and cost estimates.
Michelle Lee, E.I./ Civil Engineer	2/2	IDOT District 1, various phase II design projects. Served as project engineer preparing day-to-day engineering design utilizing MicroStation and GEOPAK. Responsibilities included quantity takeoffs, and the preparation of specifications and cost estimates.
Peter Van De Motter, P.E. / Project Manager	35/5	Village of Schaumburg, Meacham Road from Tower Road to Drummer Drive. Served as project manager responsible for the lighting design, for widened roadway and bridge, removal of existing lighting, coordination with existing lighting, Village-owned decorative lighting, photometric computations, voltage drop computations, quantities and cost estimates, special provisions, and project coordination with the client. Village of Schaumburg, Roselle Road from Hillcrest Boulevard to Central Road. Served as project manager responsible for lighting design, for widened roadway and bridge, removal of existing lighting, coordination with existing lighting, Village-owned decorative lighting, photometric computations, voltage drop computations, quantities and cost estimates, special provisions, and project coordination with the client. Village of Rosemont, Des Plaines River Road tunnel under Interstate 90. Served as project manager responsible for proposed lighting design layout; photometrics computations for

Name/Registration/Title	Years of Exp./ @ Firm	IDOT/Municipal Project Experience
		horizontal illuminance, pavement luminance and veiling luminance (disability glare) with AGi32 software; daytime and nighttime lighting levels.
Mohammad Ali Abdo / Project Engineer	10/10	Village of Schaumburg, Meacham Road from Tower Road to Drummer Drive. Served as project engineer responsible for the lighting design, for widened roadway and bridge, removal of existing lighting, coordination with existing lighting, Village-owned decorative lighting, photometric computations, voltage drop computations, quantities and cost estimates, special provisions, and project coordination with the client. Village of Schaumburg, Roselle Road from Hillcrest Boulevard to Central Road. Served as project engineer responsible for lighting design, for widened roadway and bridge, removal of existing lighting, coordination with existing lighting, Village-owned decorative lighting, photometric computations, voltage drop computations, quantities and cost estimates, special provisions, and project coordination with the client. Village of Rosemont, Des Plaines River Road tunnel under Interstate 90. Served as project engineer responsible for proposed lighting design layout; photometrics computations for horizontal illuminance, pavement luminance and veiling luminance (disability glare) with AGi32 software; daytime and nighttime lighting levels.

SECTION 5

CONSULTANT EVALUATION FORM
CERTIFICATE OF INSURANCE
STATEMENT OF QUALIFICATIONS FORM

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/16/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Marsh Sponsored Programs
a division of Marsh USA Inc.
PO Box 14404
Des Moines IA 50306

CONTACT NAME:
PHONE (A/C, No, Ext): 800-338-1391
FAX (A/C, No): 888-621-3173
E-MAIL ADDRESS: acecclientrequest@marsh.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Hartford Insurance Company of Illinois	38287
INSURER B : Sentinel Insurance Company Ltd	11000
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
Atlas Engineering Group, LTD

3100 Dundee Road, Suite 502
Northbrook, IL 60062

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			84SBWPE0091 Prof. Liab. Excl.	04/01/2017	04/01/2018	EACH OCCURRENCE	$1,000,000
	X COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$1,000,000
	CLAIMS-MADE X OCCUR						MED EXP (Any one person)	$10,000
	X Sev of Interests						PERSONAL & ADV INJURY	$1,000,000
							GENERAL AGGREGATE	$2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$2,000,000
	POLICY X PRO-JECT LOC							$
A	AUTOMOBILE LIABILITY			84UEGJG5688	04/01/2017	04/01/2018	COMBINED SINGLE LIMIT (Ea accident)	$1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS / NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
A	X UMBRELLA LIAB X OCCUR			84SBWPE0091	04/01/2017	04/01/2018	EACH OCCURRENCE	$5,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$5,000,000
	DED X RETENTION $ 10,000							$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N			84WEGBK6810	04/01/2017	04/01/2018	X WC STATU-TORY LIMITS / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y	N / A					E.L. EACH ACCIDENT	$1,000,000
	(Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$1,000,000
							E.L. DISEASE - POLICY LIMIT	$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
Job Description or Location: Civil Engineering Services

CERTIFICATE HOLDER

Village of Bensenville
Attn: Joseph M. Caracci, PE
717 E. Jefferson Street
Bensenville, IL 60106

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
Bianka Vinot

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/16/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
Marsh Sponsored Programs a division of Marsh USA Inc. PO Box 14404 Des Moines IA 50306	PHONE (A/C, No, Ext): 800-338-1391	FAX (A/C, No): 888-621-3173
	E-MAIL ADDRESS: acecclientrequest@marsh.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Wesco Insurance Company	25011
INSURED Atlas Engineering Group, LTD 3100 Dundee Road, Suite 502 Northbrook IL 60062	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
	☐ CLAIMS-MADE ☐ OCCUR						MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
							GENERAL AGGREGATE	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$
	☐ POLICY ☐ PRO-JECT ☐ LOC							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ☐ NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	☐ UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	☐ EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						☐ WC STATU-TORY LIMITS ☐ OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ (Mandatory in NH)	N / A					E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	Professional Liability			ARA1120573-02	04/01/2017	04/01/2018	Per Claim	$2,000,000
							Aggregate	$2,000,000
							Deductible	$5,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
This policy is not project specific and therefore includes: Civil Engineering Services

CERTIFICATE HOLDER

Village of Bensenville
Attn: Joseph M. Caracci, PE
717 E. Jefferson Street
Bensenville, IL 60106

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [1] Design Engineering
- [ ] Wastewater Improvements
- [2] Stormwater Engineering
- [3] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

We hereby certify that we are authorized to sign as agents of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

ATLAS ENGINEERING GROUP, LTD. CORPORATE SEAL 2007 ILLINOIS

By.....: Natalia Homedi

Print Name .....: Natalia Homedi, P.E.

Position/Title.....: President

Company Name ...: Atlas Engineering Group, Ltd. (AEG)

Address line 1 .....: 3100 Dundee Road, Suite 502,

Address line 2 .....: Northbrook, IL 60062

Telephone.....: (847) 753-8020

SECTION 6

IDOT PREQUALIFICATION LETTER (AEG)
IDOT PREQUALIFICATION LETTER (PK GANDHI)

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

June 2, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Natalia Homedi
ATLAS ENGINEERING GROUP
3100 Dundee Road Suite # 502
Northbrook, IL 60062

Dear Natalia Homedi,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $10,400,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 151.15% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR ATLAS ENGINEERING GROUP

CATEGORY	STATUS
Airports - Construction Inspection	X
Special Services - Surveying	X
Special Studies - Traffic Signals	X
Transportation Studies - Railway Engineering	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Location Design Studies - Rehabilitation	X
Highways - Roads and Streets	X
Highways - Freeways	X
Special Services - Construction Inspection	X
Airports - Design	X
Special Studies - Traffic Studies	X
Special Studies - Location Drainage	X
Hydraulic Reports - Waterways: Typical	X
Hydraulic Reports - Waterways: Complex	X
Hydraulic Reports - Pump Stations	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

October 13, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Pravinchandra Gandhi
GANDHI & ASSOC., INC.
6035 N. Northwest Highway
Suite 306
Chicago, IL 60631

Dear Pravinchandra Gandhi,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $2,800,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 115.68% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR GANDHI & ASSOC., INC.

CATEGORY	STATUS
Special Services - Construction Inspection	X
Special Studies - Lighting: Typical	X
Highways - Roads and Streets	X
Special Studies - Traffic Studies	X
Special Studies - Lighting: Complex	X
Special Studies - Traffic Signals	X
Special Services - Electrical Engineering	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

BENSENVILLE
GATEWAY TO OPPORTUNITY





The Village of Bensenville Statement of Qualifications Establishment of Short-Lists for Civil Engineering Services

3:00 P.M., October 19, 2017



APEX
CONSULTING ENGINEERS LLC

October 19, 2017

APEX
CONSULTING ENGINEERS LLC
CELEBRATING OUR 10 YEAR ANNIVERSARY

Mr. Joseph M. Caracci, P.E.
Public Works Director
Village of Bensenville
717 E. Jefferson Street
Bensenville, IL 60106

RE: Request for Qualifications (RFQ) Establishment of Short-Lists for Civil Engineering Services

Dear Mr. Caracci:

Thank you for the opportunity to submit our Statements of Qualifications for the Establishment of Short-Lists for Civil Engineering Services (Resident Engineering) to Village of Bensenville for review and consideration.

Company Overview

APEX Consulting Engineers, LLC is a Chigago-based, minority-owned small business engineering firm providing surveying, design municipal and construction management services. Our Engineers have an average of over 25 years of experience in providing civil/transportation services. APEX is committed to quality integrity and engineering excellence. **APEX is IDOT pre-qualified in: Highways - Roads and Streets; Special Services – Construction Inspection, Special Services – Surveying; Special Studies – Traffic Signals, Special Studies - Traffic Studies.**

APEX was established on November 16, 2004. Current location is 111 East Wacker Dr, Suite 520, Chicago, IL 60601, (312) 977-0660, Fax: (312) 977-0661. Contact Person: Mr. Delano E. Brazil, PE, President | CEO, dbrazil@apexconsults.com.

Our Resident Engineering team is very familiar with IDOT's procedures, standards and construction documentation. Our municipal experience includes but is not limited to: Traffic Signal Improvements; HMA resurfacing projects; ADA Ramp compliance projects; Metra Station Improvements; Watermain Improvements; Bicycle Paths; and various steel painting projects. Our engineers are experienced in public relations, providing information to the residents and businesses adjacent to the projects. We listen to the concerns of the property/business owner and work with them to assure all the stakeholders are satisfied with the final product.

APEX's team will include Material Solutions Laboratory Corporation (MSL) for quality assurance material testing. MSL is located at 1040 Bonaventure Drive, Elk Grove Village, IL 60007.

We look forward to the selection processes that will follow this SOQ/RFQ. If you need additional information, please call me at (312) 977-0660.

Sincerely,

Delano E. Brazil, P.E.
President | CEO

APEX CONSULTING ENGINEERS, LLC

COMPANY OVERVIEW

APEX Consulting Engineers, LLC (APEX) is a professional engineering firm providing planning, design, construction management, and surveying services to both public and private sector clients. APEX is committed to quality, integrity and engineering excellence. APEX delivers projects on-time and within budget while providing innovative and practical solutions.

APEX aims to deliver professional engineering services by committing to high standards of quality. APEX achieves its goals through careful planning of every aspect of a project development from concept and funding to completion and delivery, and by attracting and retaining highly talented individuals and providing a great environment with plenty of challenges and rewards. APEX performs and commits to superior project execution providing clients with value and engineering excellence, thus creating solid long term partnerships.

APEX is IDOT pre-qualified in: Roads and Streets; Construction Inspection; Traffic Signals and Traffic Studies; Special Services (Land & Route Surveys).

APEX is CDOT pre-qualified in: Highway/Roadway Design, Traffic Studies and Design, and Roadway Construction Engineering Services – Categories 2, 3, 5, 6, and 8.

APEX has performed Route and Land Surveys for many projects in the State of Illinois. Consequently, we have the experience, qualifications, and personnel to successfully execute similar projects in an expeditious manner. APEX is able to firmly commit to meeting established schedules for project completion.

APEX has performed engineering services for a variety of clients, including the Illinois Department of Transportation (IDOT) - District 1 and District 2, the Illinois State Toll Highway Authority (ISTHA), and the Chicago Department of Transportation (CDOT).

APEX main office is located at 111 E. Wacker Drive, Suite 520, Chicago, Illinois 60601. The office telephone number is 312-977-0660 and the fax number is 312-977-0661. The primary contact person is Mr. Delano E. Brazil, P.E., President | CEO.



APEX

Quality, Integrity, Excellence, Innovation

111 E. Wacker Dr. | Suite 520 | Chicago, IL 60601
P: 312 977 0660 | F: 312 977 0661
E: marketing@apexconsults.com
www.apexconsults.com

APEX Consulting Engineers, LLC

APEX key personnel are professional licensed engineers, who have an average of over 20 years of experience providing civil and transportation services. We consistently deliver promised services on time with the highest quality.

Consulting Services

- ***Planning and Design***
- ***Construction Management***
- ***Traffic Engineering***
- ***Feasibility Studies***
- ***Program Management***
- ***Construction Engineering and Inspection***
- ***Site Development and Engineering***
- ***Civil Engineering***
- ***Route & Land Surveys***
- ***Municipal Engineering***



CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

☑ The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

☐ The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

☐ Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

Page 2 of 2

CONSULTANT EVALUATION FORM

(Complete this form and return to Client)

Name of Consultant:

☐ The Client or Owner, as provided in the RFQ, is completely and no modifications had to be made.

☐ The Client or Owner, as provided in the RFQ, is generally acceptable, the following modifications had to be made: (Use additional sheets if necessary)

☐ Only Consultant was able to respond to the RFQ and other consultants declined to respond due to [ ] lack of interest [ ] lack of qualifications [ ] other reasons

Evaluated by: (Name and Title of Person Completing Evaluation)

Date Evaluated: (Month, Day, Year)

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY): 10/16/17

PRODUCER

ROLEI FINANCIAL SERVICES CORP.
980 N. MICHIGAN AVE., STE 1220
CHICAGO, IL 60611
(312) 654-8200 FAX: 335-1591

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED

APEX CONSULTING ENGINEERS,LLC
111 E. WACKER DR. STE. 520
CHICAGO, IL 60601
PH. 312-977-0660 FAX:312-977-0661
CONTACT:DELANO BRAZIL 312-977-066

COMPANIES AFFORDING COVERAGE

COMPANY A: GENERAL CASUALTY INS. CO.
COMPANY B:
COMPANY C:
COMPANY D:

COVERAGES

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
	GENERAL LIABILITY				GENERAL AGGREGATE	$2,000,000
	X COMMERCIAL GENERAL LIABILITY				PRODUCTS - COMP/OP AGG	$2,000,000
	CLAIMS MADE X OCCUR				PERSONAL & ADV INJURY	$INCL.
A	OWNER'S & CONTRACTOR'S PROT	CCI0448683	10/01/17	10/01/18	EACH OCCURRENCE	$1,000,000
					FIRE DAMAGE (Any one fire)	$ 50,000
					MED EXP (Any one person)	$ 5,000
	AUTOMOBILE LIABILITY					
	ANY AUTO				COMBINED SINGLE LIMIT	$1,000,000
	X ALL OWNED AUTOS					
	SCHEDULED AUTOS				BODILY INJURY (Per person)	$1,000,000
A	X HIRED AUTOS	CBA0644468	10/01/17	10/01/18		
	X NON-OWNED AUTOS				BODILY INJURY (Per accident)	$1,000,000
					PROPERTY DAMAGE	$1,000,000
	GARAGE LIABILITY				AUTO ONLY - EA ACCIDENT	$
	ANY AUTO				OTHER THAN AUTO ONLY	
		N/A			EACH ACCIDENT	$
					AGGREGATE	$
	EXCESS LIABILITY				EACH OCCURRENCE	$3,000,000
A	X UMBRELLA FORM	CCU0448683	10/01/17	10/01/18	AGGREGATE	$3,000,000
	OTHER THAN UMBRELLA FORM				RETENTION	$25,000
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY				WC STATU TORY LIMITS / OTH ER	
	THE PROPRIETOR / PARTNERS EXECUTIVE OFFICERS ARE INCL / EXCL	N/A			EL EACH ACCIDENT	$
					EL DISEASE - POLICY LIMIT	$
					EL DISEASE - EA EMPLOYEE	$
	OTHER					
	CONTENTS	CCI0448683	10/01/17	10/01/18	$189,425 ALL RISK PC	
A	BPP				INCLUDES B&I.	
	VALUABLE PAPERS/ACCT. RECE.				$100,000 ALL RISK	

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

OFFICE OF PROFESSIONAL ENGINEERS

CERTIFICATE HOLDER

VILLAGE OF BENSENVILLE
717 E. JEFFERSON STREET
BENSENVILLE, IL 60106
ATTN: JOSEPH M. CARACCI, P.E.

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 10 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE



ACORD 25-S (1/95)

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REC#2744.45

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/18/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
Automatic Data Processing Insurance Agency, Inc. 1 Adp Boulevard Roseland, NJ 07068	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	

INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A :	Sentinel Insurance Company, LTD.	11000
INSURER B :		
INSURER C :		
INSURER D :		
INSURER E :		
INSURER F :		

INSURED

APEX CONSULTING ENGINEERS LLC
111 E WACKER DR SUITE 520
Chicago, IL 60601

COVERAGES **CERTIFICATE NUMBER: 764269** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ CLAIMS-MADE ☐ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						PERSONAL & ADV INJURY	$
	☐ POLICY ☐ PRO-JECT ☐ LOC						GENERAL AGGREGATE	$
	☐ OTHER:						PRODUCTS - COMP/OP AGG	$
								$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO ☐ ALL OWNED AUTOS ☐ HIRED AUTOS ☐ SCHEDULED AUTOS ☐ NON-OWNED AUTOS						BODILY INJURY (Per person)	$
							BODILY INJURY (Per accident)	$
							PROPERTY DAMAGE (Per accident)	$
								$
	☐ UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	☐ EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: Y If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	N	76WEGAA7PMG	10/01/2017	10/01/2018	X PER STATUTE ☐ OTH-ER	
							E.L. EACH ACCIDENT	$ 500,000
							E.L. DISEASE - EA EMPLOYEE	$ 500,000
							E.L. DISEASE - POLICY LIMIT	$ 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

Village of Bensenville
Attn: Joseph M. Caracci, P.E.
717 E. Jefferson Street
Bensenville, IL 60106

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Litigation

There are no lawsuits filed against APEX Consulting Engineers, LLC concerning any services rendered from January 1, 2012 to the present.

APEX
CONSULTING ENGINEERS LLC

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- ☐ Design Engineering
- ☐ Wastewater Improvements
- ☐ Stormwater Engineering
- ☑ Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

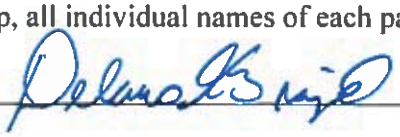
For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: 

Print Name .....: Delano E. Brazil, P.E.

Position/Title.....: President | Chief Executive Officer

By.....:

Print Name .....:

Position/Title.....:

Company Name ...: APEX Consulting Engineers, LLC

Address line 1 .....: 111 E. Wacker Drive, Suite 520

Address line 2 .....: Chicago, IL 60601

Telephone.....: 312-977-0660

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....:

Print Name .....:

Position/Title.....:

Company Name ...:

Address line 1 .....:

Address line 2 .....:

Telephone.....:

IDOT DBE Prequalified Engineering Consultant List

FIRM	CONTACT INFORMATION			
ALTAMANU, INC.	Josephine Bellalta	Phone:	(773) 528-7492	Ext:
Is DBE? ☒	1700 W. Irving Park Road, Suite 202 Chicago, IL 60613	Fax:		
Categories: Special Services - Landscape Architecture				
ALTUSWORKS, INC.	Kylie Fitzgerald	Phone:	(773) 545-1870	Ext: 228
Is DBE? ☒	4224 N. Milwaukee Avenue Chicago, IL 60641	Fax:	(773) 545-1898	
Categories: Special Services - Architecture				
AMERICAN GEOENGINEERING, INC.	Ramesh Patel	Phone:	(630) 894-9800	Ext:
Is DBE? ☒	399-A Wall Street Glendale Heights, IL 60139	Fax:	(630) 894-9868	
Categories: Special Services - Construction Inspection,Special Services - Quality Assurance HMA & Aggregate,Special Services - Quality Assurance PCC & Aggregate				
AMERICAN SURVEYING & ENG., P.C.	COVENTINE FIDIS	Phone:	(312) 277-2000	Ext:
Is DBE? ☒	150 NORTH WACKER DRIVE, SUITE 2650 CHICAGO, IL 60606	Fax:	(312) 277-2002	
Categories: Environmental Reports - Environmental Assessment,Environmental Reports - Environmental Impact Statement,Highways - Freeways,Highways - Roads and Streets,Hydraulic Reports - Waterways: Complex,Hydraulic Reports - Waterways: Typical,Special Services - Construction Inspection,Special Services - Sanitary,Special Services - Subsurface Utility Engineering,Special Services - Surveying,Special Studies - Location Drainage				
AMES ENGINEERING, INC.	Ahsan Siddiqi	Phone:	(630) 737-1987	Ext:
Is DBE? ☒	5413 Walnut Ave, Suite 2F DOWNERS GROVE, IL 60515	Fax:	(630) 470-9891	
Categories: Highways - Roads and Streets,Special Services - Construction Inspection,Special Services - Electrical Engineering,Special Studies - Lighting: Complex,Special Studies - Lighting: Typical,Special Studies - Traffic Signals,Special Studies - Traffic Studies				
ANDERSON ENVIRONMENTAL CO	Jennifer Anderson	Phone:	(815) 962-9000	Ext:
Is DBE? ☒	201 N. 6th Street Rockford , IL 61107	Fax:	(815) 962-7978	
Categories: Special Services - Asbestos Abatement Surveys				
APEX CONSULTING ENGINEERS, L.L.C.	Delano Brazil	Phone:	(312) 977-0660	Ext:
Is DBE? ☒	111 East Wacker Drive Suite 520 Chicago, IL 60601	Fax:	(312) 977-0661	
Categories: Highways - Roads and Streets,Special Services - Construction Inspection,Special Services - Surveying,Special Studies - Traffic Signals,Special Studies - Traffic Studies				
APS CONSULTING, INC.	Shakti Joshi	Phone:	(312) 324-0336	Ext:
Is DBE? ☒	5519 N. Cumberland Ave., Suite 1011 Chicago, IL 60656	Fax:	(312) 324-0337	
Categories: Airports - Design,Highways - Freeways,Highways - Roads and Streets,Special Services - Construction Inspection,Special Studies - Location Drainage				

Illinois Department of Transportation
Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

February 16, 2016

CERTIFIED-RETURN RECEIPT REQUESTED

Mr. Delano E. Brazil
Apex Consulting Engineers, L.L.C.
111 E. Wacker Dr., Ste. 520
Chicago, IL 60601

Dear Mr. Brazil:

The Illinois Department of Transportation (IDOT) has approved the "No Change Affidavit" for Apex Consulting Engineers, L.L.C. and determined that the firm continues to meet DBE eligibility standards to perform work towards DBE goals.

In order to remain certified and in good standing, you must annually submit a No Change Affidavit. IDOT will send an affidavit form 60 days prior to the firm's next anniversary date.

Should the submitted information change, you are required to notify IDOT's Bureau of Small Business Enterprises (bureau) within 30 days of the change.

Note: Pursuant to 49 CFR Part 26.83(i), whenever there are <u>any</u> change in circumstances affecting your firm's eligibility status, your firm <u>must</u> provide written notification to IDOT within 30 days of the occurrence of the change. If you fail to make timely notification, it may result in the loss of your firm's certification.

If you have any questions, please contact the Bureau of Small Business Enterprises at (217) 782-5490.

Sincerely,

Debra A. Clark, Manager
Certification Section
Bureau of Small Business Enterprises

Illinois Department of Transportation
Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

January 11, 2017

CERTIFIED-RETURN RECEIPT REQUESTED

Mr. Delano E. Brazil
Apex Consulting Engineers, L.L.C.
111 E. Wacker Dr., Ste. 520
Chicago, IL 60601

Dear Mr. Brazil:

The Illinois Department of Transportation (IDOT) has approved the "No Change Affidavit" for Apex Consulting Engineers, L.L.C. and determined that the firm continues to meet DBE eligibility standards to perform work towards DBE goals.

In order to remain certified and in good standing, you must annually submit a No Change Affidavit. IDOT will send an affidavit form 60 days prior to the firm's next anniversary date.

Should the submitted information change, you are required to notify IDOT's Bureau of Small Business Enterprises (bureau) within 30 days of the change.

Note: Pursuant to 49 CFR Part 26.83(i), whenever there are <u>any</u> change in circumstances affecting your firm's eligibility status, your firm <u>must</u> provide written notification to IDOT within 30 days of the occurrence of the change. If you fail to make timely notification, it may result in the loss of your firm's certification.

If you have any questions, please contact the Bureau of Small Business Enterprises at (217) 782-5490.

Sincerely,

Debra A. Clark, Acting Bureau Chief
Bureau of Small Business Enterprises

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

September 30, 2016

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Delano Brazil
APEX CONSULTING ENGINEERS, L.L.C.
111 East Wacker Drive
Suite 520
Chicago, IL 60601

Dear Delano Brazil,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $4,000,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 122.05% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR APEX CONSULTING ENGINEERS, L.L.C.

CATEGORY	STATUS
Special Services - Construction Inspection	X
Special Services - Surveying	X
Special Studies - Traffic Signals	X
Highways - Roads and Streets	X
Special Studies - Traffic Studies	X

X PREQUALIFIED

A NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.

S PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

Illinois Department of Transportation

Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

May 31, 2016

CERTIFIED-RETURN RECEIPT REQUESTED

Mr. Samir Kukadia
Material Solutions Laboratory Corporation
1040 Bonaventure Dr.
Elk Grove Village, IL 60007

Dear Mr. Kukadia:

The Illinois Department of Transportation (IDOT) has approved the "No Change Affidavit" for Material Solutions Laboratory Corporation and determined that the firm continues to meet DBE eligibility standards to perform work towards DBE goals.

In order to remain certified and in good standing, you must annually submit a No Change Affidavit. IDOT will send an affidavit form 60 days prior to the firm's next anniversary date.

Should the submitted information change, you are required to notify IDOT's Bureau of Small Business Enterprises within 30 days of the change.

Note: Pursuant to 49 CFR Part 26.83(i), whenever there are <u>any</u> changes in circumstances affecting your firm's eligibility status, your firm <u>must</u> provide written notification to IDOT within 30 days of the occurrence of the change. If you fail to make timely notification, it may result in the loss of your firm's certification.

If you have any questions, please contact the Bureau of Small Business Enterprises at 217/782-5490.

Sincerely,

Debra A. Clark, Acting Bureau Chief
Bureau of Small Business Enterprises

Project Experience

Project/Client	Phase III, Various Projects, Various Routes, Various Counties/ PTB 162-012/ IDOT District One
Scope of Work/ (Contractor)/ Client POC	The scope for this contract involved assisting IDOT Resident Engineers with construction inspection on various Phase III contracts located in District One. Projects included: HMA and PCC Patching; HMA resurfacing with concreted curb and gutter improvements with ADA Ramps; Intersection improvement; and bridge repairs. Additional responsibilities included: • Coordinating with IDOT Area Supervisor to staff projects when needed. • Construction inspection, documentation of contract quantities. • Determined locations for full depth HMA and PCC patches and performed inspection of the patching. • Determined locations of partial depth HMA patching. • Monitored traffic control and protection during construction operations. • Verified contractor layout for ADA Ramps to meet the latest IDOT guidelines. • Inspection for bridge painting at various locations • Managed coring for independent pavement thickness verification IDOT Point of Contact: Roman Merlpolski, P.E., Area Supervisor, Bureau of Construction, District 1 (847)705-4250
Project Team	Delano E. Brazil, P.E. – Project Principal, Gregory T. Ferraro, P.E.- Project Manager, Syed I. Ishaq, P.E.- Construction Inspector Mohammed Baig, EIT- Construction Inspector, Abdol Moltaji- Construction Inspector
Construction Cost/ Fee/ Year	N/A/ $ 1,000,000/ May 2012 through October 2015



Project Experience

Project/Client	IDOT, Torrence Avenue Bridge over Grand Calumet River/ Globetrotters
Scope of Work/ (Contractor)/ Client POC	Brief description of the project: APEX served as sub-consultant for Phase III Engineering Services for the improvement of Torrence Avenue Bridge over Grand Calumet River. Project scope included full replacement of the existing truss bridge (SN 016-0934) and precast prestressed concrete (PPC). Torrence Avenue. Torrence Avenue over Grand Calumet River.) A routine inspection revealed that one of the main truss members had deteriorated and was no longer safe. The new structure replaces a streel truss bridge built in 1938. It will have a more modern style and design, with a multiuse path on the east side of the bridge, as well as standard sidewalk on the west side, to accommodate bicyclists and pedestrians. Full replacement of the existing truss bridge and precast pre-stressed concrete (PPC) box beam approach spans with a three-span structure with welded plate girders superstructure, reinforced concrete deck, and sidewalks/shared use path supported on new pile supported stub abutments, two new multi-column drilled shaft supported piers, and new approach slabs. The structure accommodates bicyclists and pedestrians per the Complete Streets Guidelines. Adjacent road work was required to taper the proposed structure width back to the existing roadway width. Retaining walls provide the necessary embankments to support the widened structure while staying within the project right-of-way. A detour is recommended for the construction of the proposed bridge due to the existing main span being a truss, the construction cannot be staged. The Grand Calumet River was closed for navigation by the U.S. Coast Guard. Other work included reconstruction of the bridge approaches, installation of new storm sewer and roadway lighting. General Contractor: IHC Client Point of Contact: Michael Sienza, P.E. Construction Manager Phone 312-907-5473
Project Team	Delano E. Brazil, P.E. – Project Principal, Gregory T. Ferraro, P.E.- Project Manager, Michael Pavluk- Construction Inspector, Abdol Moltaji – Construction Inspector
Construction Cost/ Fee/ Year	$13M/$166,273/2016

Project Experience

Project/Client	IDOT, I-290/Congress Parkway, Byrne Circle Interchange Reconstruction Project/Bowman, Barrett & Associates
Scope of Work/ (Contractor)/ Client POC	Brief description of the project: APEX served as a sub-consultant to Bowman Barrett & Associates. IDOT retained BBA to perform Phase III Construction Management Services for the Harrison Street West Bridge which carries Harrison Street over Southbound I-90/94, and the Halsted Street Bridge over the Eisenhower Expressway I-290. The Byrne Circle Interchange reconstruction project includes features that collectively improve the safety and mobility; improve the bridges, roadway and drainage system; and minimizes environmental impacts while enhancing the community connectivity on the local street network surrounding the Interchange. The existing approach roadways to the bridges will also be reconstructed within the project limits. Existing sidewalks will be reconstructed to ADA standards and existing bridge mounted signs will be upgraded. This Team **co-ordinated with the Department of Water Management**, Chicago Transit Authority, City of Chicago Department of Transportation, PACE, local business, Chicago Police Department and Chicago Fire Department. General Contractor: Walsh Construction Name of Client: Bowman Barrett & Associates, Contact Person: Dirk B. Fuqua, PE Title: Vice President Address: 180 E. Randolph Chicago, IL 60601 Telephone No.: 312-228-1154
Project Team	Delano E. Brazil, P.E. – Project Principal, Gregory T. Ferraro, P.E.- Project Manager, Michael Pavluk- Construction Inspector, Syed Ishaq, P.E. Project Closeout Documentation
Construction Cost/ Fee/ Year	$55.8M/$680,000/2014 to 2016



APEX
CONSULTING ENGINEERS LLC

Project Experience

Project/Client	IL 83 (147th Street) from Kedzie Ave to Western Ave/Dixie Hwy Contract 60M57/ PTB 165-004 IDOT, District 1
Scope of Work/ (Contractor)/ Client POC	This Award winning Phase III Project consisted of the staged replacement of the existing composite pavement (HMA over concrete base) of 147th Street and portions of Dixie Highway/Western Avenue and Kedzie Avenue with new PCC pavement over an HMA Stabilized Subbase. Other work included reconstruction of the ramp terminals at the I-57/147th Street interchange, installation of new storm sewer, installation new watermain, roadway lighting, and reconstruction of seven traffic signals at the 147th Street intersections with Kedzie, Sacramento, Harrison, Cleveland, West Ramp Terminals, East Ramp Terminals, and Dixie Highway/Western Avenue. Curb and gutter, concrete median, driveways, sidewalks with ADA ramps, signing, and landscaping were installed throughout the project limits. The APEX Resident Engineer was also responsible for all public relations with the stakeholders on the project. This included but was not limited to: the Villages of Posen, Harvey, Dixmoor, and Midlothian; the Illinois Tollway; IDOT Bureau of Traffic; IDOT Bureau of Electrical; Com Ed; Nicor; AT&T; Comcast; Oak Forest Hospital; residents and businesses adjacent to the project. K-Five Construction was the General Contractor IDOT Point of Contact: Paul Gregoire, P.E., Bureau Chief of Construction, District 1 (847)705-4300
Project Team	Delano E. Brazil, P.E. – Project Principal, Gregory T. Ferraro, P.E.- Resident Engineer, Syed I. Ishaq, P.E.- Materials Coordinator/Documentation Engineer
Construction Cost/ Fee/ Year	$22,790,856.96/ $ 3,569,073.00/ 2013 through 2015





APEX
CONSULTING ENGINEERS LLC

Project Experience

Project/Client	Reconstruction of the Fullerton Drive Bridge and Underpass at the Lincoln Park Lagoon, The Chicago Department of Transportation (CDOT)
Scope of Work/ (Contractor)/ Client POC	Brief description of the project: APEX served as Prime Consultant for Phase III Engineering Services for the Fullerton Parkway Bridge over the Lincoln Park Lagoon, which is a two-span steel multi-girder bridge on reinforced concrete abutments and center pier. The length of the bridge is approximately 99 feet and width is approximately 44 feet. Scope of work included pre-construction phase, construction phase and post construction phase. Project involved complete removal of the bridge superstructure and replacement with a new steel multi-girder single span with a reinforced high performance concrete deck and a latex modified concrete overlay, and complete removal of the underpass superstructure and replacement with a new pre-cast structure. The project included relocation of existing water main, installation of storm sewer, traffic signal modernization. The scope of work included replacement of the street lighting within limits of the improvement. Project consisted coordination with the Chicago Park District, property owners and community groups and coordination with various City, State and Federal department. Phase III services include plan reviews, specifications, submittal register, setup of CDOT filing system, developing general safety review plans, developing material testing guidelines, and reviewing CDOT/IDOT construction manuals. The construction phase consists of shop drawing reviews, updating and issuing submittal log, monitoring and updating material certifications, preparing project schedule status report/analysis, negotiating contractor change orders, verifying contractor's layout, updating and issuing proposal/modification logs, reviewing and responding to project correspondence, preparing CDOT field orders, providing initial line/grade, and coordinating utility work. Responsible for As-Built reviews, review and deliver As-Built Electrical Plans to Bureau of Electricity, coordination of the delivery of fabrication molds to CDOT, preparation of final project report, compilation and transmittal of all warranties/guaranties/O&M manuals, overseeing all punch list work, compilation and submittal of final documentation, and complete final close-out.

Project Experience

	General Contractor: Lorig Construction Company Christopher A. Kent, P.E. Construction Manager City of Chicago Dept. of Transportation Division of Engineering, Suite 400 30 N. LaSalle Street Chicago, Illinois 312-744-3613 ckent@cityofChicago.org
Project Team	Delano E. Brazil, P.E. – Project Principal, Gregory T. Ferraro, P.E.- Project Manager/Resident Engineer, Michael Pavluk-Construction Inspector, Abdol Moltaji-Construction Inspector
Construction Cost/ Fee/ Year	$10,000,000/ $ 1,000,000/ February 2012 through June 2013

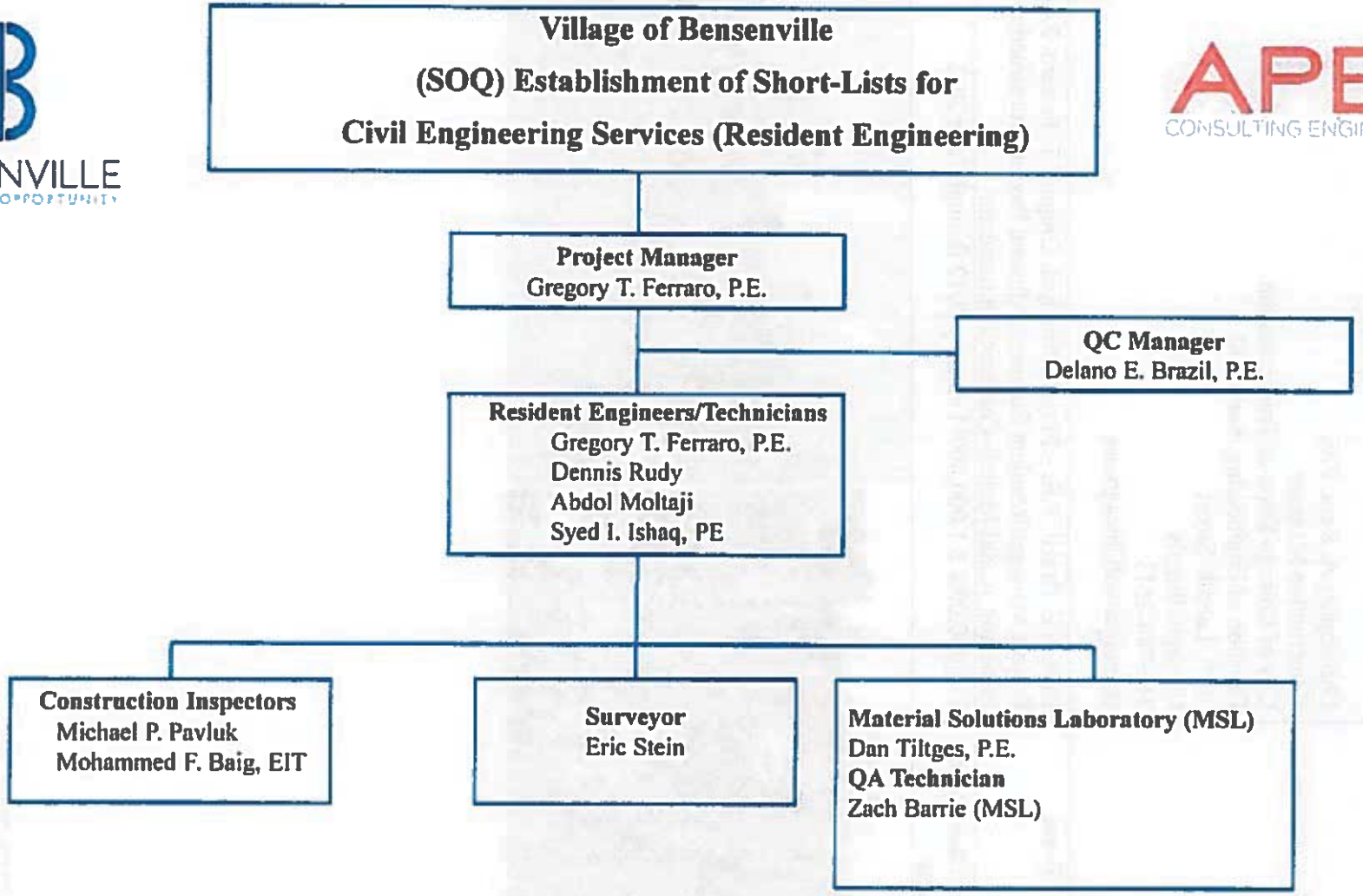




BENSENVILLE
GATEWAY TO OPPORTUNITY

APEX
CONSULTING ENGINEERS LLC

Village of Bensenville
(SOQ) Establishment of Short-Lists for
Civil Engineering Services (Resident Engineering)



Staffing

Name/Registration/ Title	Years of Exp./@ Firm	IDOT/Municipal Project Experience
Delano E. Brazil, P.E./President/CEO/QC Manager	23/13	As the owner of APEX, Mr. Brazil has experience as the Project Principal/QC Manager for numerous IDOT and CDOT projects including: IL 83 Reconstruction from Kedzie Ave to Western Ave; Reconstruction of the Fullerton Avenue Bridge and Underpass at the Lincoln Park Lagoon; Re-Alignment of Damen/Elston/Fullerton; and Multiple IDOT Various Phase III contracts.
Gregory T. Ferraro, P.E./Project Manager/Resident Engineer	26/13	Project Manager for multiple IDOT Various Phase III contracts in District 1 and District 2. Resident Engineer for IL 83 Reconstruction from Kedzie Ave to Western Ave. Project Manager/Resident Engineer for CDOT Reconstruction of Fullerton Avenue Bridge and Underpass at the Lincoln Park Lagoon, Resident Engineer for the Village of Schaumburg Metra Commuter Lot Project, Resident Engineer at IDOT for 8 years.
Abdol Moltaji/ Resident Engineer	38/8	Mr. Moltaji worked as a Resident Engineer for IDOT until his retirement in 2003. He has vast experience on HMA resurfacing and ADA improvement project with CDOT and IDOT.
Syed Ishaq, P.E./ Resident Engineer	26/10	Mr. Ishaq has worked as an Assistant Resident Engineer and Documentation Engineer for large construction projects including; Reconstruction of Dan Ryan Expressway; Wacker Drive Reconstruction; IL 83 from Kedzie to Western. With his experience with CDOT and IDOT, he is more than capable to as a Resident Engineer for a smaller municipal project.
Dennis Rudy Resident Technician	33/1	Mr. Rudy worked at IDOT as a Resident Technician until his retirement in 2016. He has a wealth of IDOT experience running construction projects.
Michael Pavluk Senior Construction Inspector	30/13	Mr. Pavluk has worked on HMA resurfacing projects for the four IDOT Various Phase III contracts. He worked as the Senior Inspector for the: CDOT Reconstruction of Fullerton Avenue Bridge and Underpass at the Lincoln Park Lagoon; CDOT Menu Program (ADA Ramps); IDOT Torrence Avenue Bridge Reconstruction.
Mohammed Baig, E.I.T./ Senior Construction Inspector	25/10	Mr. Baig has Inspection experience on; IDOT Various Phase III contract; CDOT Re-Alignment of Damen/Elston/Fullerton; CDOT US 41 Relocation from Harbor Ave to 79th Street.

DELANO E. BRAZIL, PE

OWNER | PROJECT PRINCIPAL

SUMMARY OF QUALIFICATIONS

- State-of-Illinois- Licensed Professional Engineer with over 23 years of experience on multimillion-dollar construction and transportation projects.
- Experienced in supervising and coordinating engineers, draftsmen, technicians, sub-consultants and contractors.
- Extensive discipline in preparing plans, specifications, reports and project management plans (PMP).
- Excellent communication, organization and analytical skills.
- Proficient with IDOT, ISTHA and CDOT Construction Documentation.

PROFESSIONAL EXPERIENCE

Project Principal, CDOT/Civiltech, Damen/Elston/Fullerton Intersection Improvements
Realignment and construction of North Elston Avenue and its intersections with North Damen avenue and West Fullerton avenue as well as the widening of Damen Avenue, the widening of the north sidewalk along Fullerton Avenue and the resurfacing of all existing streets within the project limits.

Project Principal, CDOT/EXP, Adams Street Bascule Bridge and Viaduct over Union Station, Phase III Construction Engineering Services
Sub-consultant to the Prime to perform construction engineering and field observations services on an as-needed basis, including shop drawing reviews, submittal reviews, and review and disposition of RFI's. APEX also help satisfy the 28% DBE requirement. Scope of work consisted of structural repairs to the bridge and reconstruction of the viaduct structure. This work includes removal and replacement of the existing 88-year-old structure. The viaduct spans over 13 railroad tracks and five passenger platforms of the North Concourse of Chicago Union Station. Additional work involved structural repairs to the adjacent bascule bridge over the Chicago River and improvements to the intersection of Adams Street and Canal Street.

Project Principal, CDOT Reconstruction of the Fullerton Parkway Bridge and Underpass at the Lincoln Park Lagoon, Chicago, IL
Phase III Professional Engineering Services, consisting of pre-construction phase, construction phase, and post construction phase. Scope of Work involved complete removal of the bridge superstructure and replacement with a new steel multi-girder single span with a reinforced high performance concrete deck and latex modified concrete overlay, and complete removal of the underpass structure and replacement with a new pre-cast structure. The project included one new traffic signal and modernization of existing signals as well as replacement of street lighting within limits of the improvement.

Project Principal, IDOT/Globetrotters, Torrence Avenue over Grand Calumet River, Phase III Engineering Services, Will County, Region One/District One
APEX served as sub-consultant to the Prime to provide Phase III Engineering Services for improvement of Torrence Avenue over Grand Calumet River. Project scope included total replacement of the existing truss bridge (SN 016-0934) and precast prestressed concrete (PPC), Torrence Avenue, Torrence Avenue over Grand Calumet River.) A routine inspection revealed that one of the main truss members had deteriorated and was no longer safe. The Grand Calumet River was closed for navigation by the U.S. Coast Guard.

Project Principal, IDOT I-90/94 Kennedy Expressway, Hubbard's Cave to I-290 (Eisenhower Expressway) & Franklin Avenue Connector at 26th Street and I-55 Frontage Road B, Cook County, Region One/District One
Phase III engineering services for the improvement of I-90/94 (Kennedy Expressway) Hubbard's Cave to I-290 (Eisenhower Expressway) & Franklin Avenue Connector at 26th Street and I-55 Frontage Road B.

DELANO E. BRAZIL, PE

OWNER | PROJECT PRINCIPAL

Project Principal, CDOT Landscaped Median and Boulevard Maintenance, Southwest Region B-3-527
Overall construction management services for overseeing a variety of landscape and irrigation maintenance contracts. Services entailed daily oversight of field operations, including weekly landscape maintenance work, supervision of new installations, including interpretation of project documents, and any required documentation inclusive of any accounting functions. CDOT monitored the services, and generally directed the consultant's supervisory and managerial representatives to ensure compliance with applicable requirements of the City's contract with the consultant. The project's goal is to provide supervision and administrative services without interruption for 12 months of the year, with as minimal a change in personnel that can possibly be provided.

Project Principal, CDOT/AECOM, Grade Separation of Archer Avenue and Belt Railway of Chicago
Right of Way Survey for Archer Avenue/Belt Railroad Crossing at Kilbourne Avenue to Kilpatrick Avenue. The Right-of-Way Survey consists of property ownership lines with dimensions and existing buildings with dimensions and ties to said properties for properties along Archer Ave. Right-of-Way between Kilbourn Ave. and Kilpatrick Ave. This survey will conform to current Illinois Minimum Standards for a Boundary Survey.

Project Principal, CDOT Solidarity Drive Underpass, Phase III Engineering Services, Chicago, IL
This project created a safe passage-way for Chicago's lakefront trail users. Construction was emphasized to make a difference between trail users from traffic by an underpass that also eased congestion of vehicular traffic at one of the busiest tourist spots in Chicago. Previously, the trail crossed the river at street level, where vehicles, pedestrians, and trail users co-mingled. Temporary relocation of underground utilities was required in phases during construction before permanent layout at high level of the underpass. A historic monument was also restored and relocated to make way for the underpass, and the Burnham Harbor parking lot was reconfigured to eliminate a trail crossing. Traffic was maintained at all times to ensure safety and access to all amenities.

Project Principal, CDOT, Milwaukee Avenue Streetscape from Montrose Avenue to Gale Street, Phase III Engineering Services
New sewer construction and installation of new landscaping and streetscaping elements. This included removal of existing HMA surface, installation of HMA leveling binder, HMA binder, and surface courses, pavement removal along the parking lanes and replacement with 9" P.C.C Base Course, pavement patching, railroad track removal where required, curb and gutter removal and replacement, sidewalk removal and replacement, replacement of existing lighting with Chicago 2000 street light system, modernization of six traffic signals, abandoning/grouting existing sewer, installation of a new combination storm sewer and other drainage improvements, lining of existing sewer, furnishing and installing new trees decorative street furniture (such as benches, trash receptacles, bike racks and tree grates) and pavement markings and signs.

Project Principal, CDOT, Lake Shore Drive Reconstruction, Chicago, IL
Construction inspection on roadway, pipe underdrain and drainage. Duties involved site inspection, layout, pay estimates, material inspection and documentation. The work involved pavement reconstruction, new sewers, manholes, catch basins and landscaping.

Project Principal, CDOT, Arterial Streets Resurfacing, Chicago, IL
Construction inspector for roadway resurfacing. Duties involved documentation and site inspection including traffic control and material testing. The work involved milling and bituminous resurfacing, curb and gutter replacement, sidewalk replacement, bus pad construction and structure adjustments.

EDUCATION
Masters of Business Administration (MBA) • University of Notre Dame, Mendoza College of Business, 2005
Bachelor of Science in Civil Engineering • University of Wisconsin at Platteville, WI, 1993

LICENSING
Illinois Licensed Professional Engineer, 062-055890, 2002
Wisconsin Licensed Professional Engineer, 35373-006

GREGORY T. FERRARO, PE

Project Manager/Resident Engineer

SUMMARY OF QUALIFICATIONS

- Licensed Professional Engineer with over 25 years of experience on multi-million dollar construction projects.
- Experienced in supervising and coordinating engineers, inspectors, technicians, sub-consultants and contractors.
- Extensive experience with IDOT #16-11343, ISTHA and CDOT construction documentation.
- Strong computer background including Microsoft Office.
- Excellent communication, organization and analytical skills.

PROFESSIONAL EXPERIENCE

Project Manager, IDOT Phase III Engineering Services, Various Projects, Various Routes, Various Counties, Region, One/District One

Prime Consultant for Phase III Engineering Services to assist IDOT department resident engineers/ technicians on various construction projects throughout District One. Four (4) to eight (8) engineers and/or engineering technicians are anticipated during the 2015 and 2016 construction season. Typical assignments may include general construction inspection, project finalization, and documentation, including PCC & bituminous concrete paving operations, drainage, patching, bridge structures, bridge painting, and providing general assistance as a member of a field crew, including survey/layout services required.

Project Manager, IDOT/Globetrotters, Torrence Avenue over Grand Calumet River, Phase III Engineering Services, Will County, Region One/District One

APEX served as sub-consultant to the Prime to provide Phase III Engineering Services for improvement of Torrence Avenue over Grand Calumet River. Project scope included total replacement of the existing truss bridge (SN 016-0934) and precast prestressed concrete (PPC), Torrence Avenue, Torrence Avenue over Grand Calumet River.) A routine inspection revealed that one of the main truss members had deteriorated and was no longer safe. The new structure replaces a steel truss bridge built in 1938. It will have a more modern style and design, with a multiuse path on the east side of the bridge, as well as standard sidewalk on the west side, to accommodate bicyclists and pedestrians. Full replacement of the existing truss bridge and precast pre-stressed concrete (PPC) box beam approach spans with a three-span structure with welded plate girders superstructure, reinforced concrete deck, and sidewalks/shared use path supported on new pile supported stub abutments, two new multi-column drilled shaft supported piers, and new approach slabs. The structure accommodates bicyclists and pedestrians per the Complete Streets Guidelines. Adjacent road work was required to taper the proposed structure width back to the existing roadway width. Retaining walls provide the necessary embankments to support the widened structure while staying within the project right-of-way. A detour is recommended for the construction of the proposed bridge due to the existing main span being a truss, the construction cannot be staged. The Grand Calumet River was closed for navigation by the U.S. Coast Guard.

Project Manager/Liaison Engineer – IDOT IL 83 (Kedzie Avenue to Western Avenue), Phase III Construction Project, Cook County, IL

Scope of Work: Work involved construction inspection for the improvement of IL 83 (Kedzie Avenue to Western Avenue). Work included the staged replacement of the existing composite pavement (HMA over concrete base) of 147th Street and portions of Dixie Highway/Western Avenue and Kedzie Avenue with new widened pavement. Other work included reconstruction of the ramp terminals at the I-57/147th Street interchange, installation of new storm sewer, installation of watermain, roadway lighting, and reconstruction of seven traffic signals at the 147th Street intersections with Kedzie, Sacramento, Harrison, Cleveland, West Ramp Terminals, East Ramp Terminals, and Dixie Highway/Western Avenue. Curb and gutter, concrete median, driveways, sidewalks, signing, and landscaping were installed throughout the project limits.

GREGORY T. FERRARO, PE

Project Manager/Resident Engineer

Resident Engineer, IDOT Milwaukee Avenue, Sumac to Hintz

- Managed a $3.6 million reconstruction project in Cook County, IL.
- Responsible for construction inspection, layout and project documentation.
- Responsible for material testing and inspection, field documentation and enforcing IDOT specifications.
- Surveying to re-establish an IDOT Survey Monument.
- Performed weekly erosion control inspections and coordinated with the contractor to complete any and all deficiencies within the required timeframe.
- Daily traffic control inspections and weekly night time traffic control inspections were performed.
- The project included a new bridge over proposed wheeling drainage ditch, piling, retaining walls, completion of Wheeling ditch connecting it to the Des Plaines River, utility relocation, existing pavement removal and widening from 2 to 4 lanes with median and turn lanes, roadway lighting, new storm sewer, traffic signal modernization at Hintz Road, relocating a permanent IDOT Survey Monument, and landscaping.
- Relocation of the Wheeling Drainage Ditch with conjunction work at the Palwaukee Airport.
- New bridge and drainage ditch was relocated under the new bridge.

Resident Engineer – IDOT Tower Road over Union Pacific Railroad, Winnetka, IL

- Managed $2M bridge reconstruction project in Winnetka, IL.
- Responsible for inspection of construction work on abutments and steel structures.
- Scope of work included staged demolition of existing bridge, concrete sub-structure, new steel beams, concrete superstructure, approach pavements, underground utility improvements, and traffic signal modernization.
- The project consisted of construction layout and inspection, material testing and inspection, documentation of contract quantities, public relations with Winnetka Village officials and Businesses, and processing pay estimates.

EDUCATION

Bachelor of Science in Civil Engineering, Michigan State University, East Lansing, MI, 1991

LICENSING

Illinois Licensed Professional Engineer, 062-050546, 1996
Michigan Licensed Professional Engineer, 620-1040962

CERTIFICATIONS

- IDOT Documentation of Contract Quantities IDOT #16-11343
- IDOT QC/QA for Resident Engineers 2009
- IDOT ICORS Training 2004
- IDOT PCC Level I
- IDOT Piling
- IDOT Bridge Superstructure

ABDOL J. MOLTAJI
Resident Engineer

SUMMARY OF QUALIFICATIONS

- Resident Engineer with over 26 years of experience on multimillion-dollar construction projects for the Illinois Department of Transportation, Bureau of Construction.
- Experienced in supervising and inspecting construction progress, documenting contract quantities and pay estimates.
- Extensive experience with construction management and layout of roads/highways and bridges.
- Proficient in IDOT Documentation of Contract Quantities | ICORS, and Certified in IDOT Surveys, Pavement Inspection, Drainage Inspection, and Soils Inspection.
- Excellent communication, organization and analytical skills.

PROFESSIONAL EXPERIENCE

Resident Engineer, CDOT Bridge and Viaduct Painting Contracts 7 and 8, Chicago, IL
Prime Consultant Contract, consisting of overseeing the painting of two bridges, one on Contract 7 and one on Contract 8. The two bridges are Wacker Drive from Field Boulevard to Lake Shore Drive, and Wacker Drive from Stetson Street to Field Boulevard. This is a federally funded project, so DBE participation was required. Total construction cost is estimated between $2 million and $4 million. This project began in spring 2017 and was completed in late 2017.

Construction Inspector, IDOT/Globetrotters, Torrence Avenue over Grand Calumet River, Phase III Engineering Services, Will County, Region One/District One
APEX served as sub-consultant to the Prime to provide Phase III Engineering Services for improvement of Torrence Avenue over Grand Calumet River. Project scope included total replacement of the existing truss bridge (SN 016-0934) and precast prestressed concrete (PPC), Torrence Avenue, Torrence Avenue over Grand Calumet River.) A routine inspection revealed that one of the main truss members had deteriorated and was no longer safe. The new structure replaces a streel truss bridge built in 1938. It will have a more modern style and design, with a multiuse path on the east side of the bridge, as well as standard sidewalk on the west side, to accommodate bicyclists and pedestrians. Full replacement of the existing truss bridge and precast pre-stressed concrete (PPC) box beam approach spans with a three-span structure with welded plate girders superstructure, reinforced concrete deck, and sidewalks/shared use path supported on new pile supported stub abutments, two new multi-column drilled shaft supported piers, and new approach slabs. Adjacent road work was required to taper the proposed structure width back to the existing roadway width. Retaining walls provide the necessary embankments to support the widened structure while staying within the project right-of-way. A detour was recommended for construction of the proposed bridge due to the existing main span being a truss, construction could not be staged.

Construction Inspector, Chicago Department of Transportation, Phase III Construction Engineering Services, Bridge and Viaduct Painting Contract 3
Prime Consultant for Construction Inspection for oversight and inspection of painting of five bridges, consisting of cleaning and painting steel structures, cleaning and painting new metal structures, containment and disposal of lead paint cleaning residues, and mechanical and miscellaneous cleaning, power washing, scraping and painting. Bridges over the Chicago River:

- North Halsted Bridge
- South Kedzie Bridge
- South California Bridge
- South Halsted Bridge
- North Ashland Bridge

Construction Inspector, Chicago Department of Transportation, Phase III Construction Engineering Services, Bridge and Viaduct Painting Contract 4

ABDOL J. MOLTAJI
Resident Engineer

Prime Consultant for Construction Inspection for oversight and inspection of two bridges, consisting of cleaning and painting steel structures, cleaning and painting new metal structures, containment and disposal of lead paint cleaning residues, and mechanical and miscellaneous cleaning, power washing, scraping and painting. Bridges over the Chicago River:

- Ashland Street over North Branch of the Chicago River
- Halsted Street over the South Branch of the Chicago River

Senior Construction Inspector, ISTHA/Benesch, Jane Addams Memorial Tollway, Retaining Wall, Noise Wall and Bridge Widening, Mount Prospect Road (M.P. 74.6) to Lee Street (M.P. 76.1).
Phase III engineering services for construction contracts for the retaining wall, noise wall and bridge widening on the Jane Addams Memorial Tollway in Cook County, Illinois. The Tollway finalized design and construction limits; and finalized the scope at negotiations. The Consultant will performed on-site inspection, reviewed layout of contract, including design changes, provided geotechnical inspection and testing, prepared records, maintained documentation, submitted pay estimates and change orders. Consultant completed and submitted final measurements, calculations and final contract documents at six weeks after completion of Punch List.

Senior Construction Inspector - ISTHA/Bowman Brown & Barrett, Tri-State Tollway, I-94/I-294/I-80 Bridge Rehabilitation
Repair five crossroad bridge structures over the Tri-State Tollway, involving one on the North Tri-State Tollway and four bridges on the South Tri-State Tollway. Scope of work included concrete repairs to abutments and piers, concrete beam repair, cleaning and sealing bridge seats, cleaning and painting bearings, some slope wall work, and in the case of the ramp bridge carrying inbound I-55 traffic to northbound I-294, a deck overlay and expansion joint replacement. APEX engineers performed construction inspection services, on-site inspection for all structural elements of the project, material testing, documentation of contract quantities, construction staking and layout, daily traffic control inspection, and pay estimates.

Senior Construction Inspector – IDOT, Phase III Various Projects, Various Routes, Various Counties, District One
Scope of Work: Rehabilitation, priming and painting of multiple steel bridge structures and supports involving general construction inspection, drainage, patching, PCC and bituminous concrete paving operations, general construction assistance, project finalization, and documentation for the following locations:

<u>Bridge Painting Locations</u>

- Lemont Road over I & M Canal Waterway, Lemont, IL
- Road 120 over Fox River, McHenry, IL
- Central Avenue over Kennedy Expressway, Chicago, IL
- Irving Park Road over Union Pacific Railroad, Streamwood, IL
- Kennedy Expressway over Armitage Avenue, Chicago, IL

Senior Construction Inspector – IDOT I-290/IL 53 Resurfacing & Bridge Rehab (Higgins to Rand)
The work involved concrete curb and gutter removal and replacement, milling of existing pavement, pavement replacement of leveling binder and surface, structural adjustments and replacements, pavement patching, pavement striping removal, temporary striping installation, placement of thermoplastic pavement striping, traffic signal loop detector removal and replacement and other associated tasks related to the completion of the project. Primary responsible responsibility for Structural Rehabilitation of all bridges.

Senior Bridge Construction Engineer – IDOT/Stanley, I-94 from Wisconsin State Line to IL 173 Phase III Project, Lake County, District One, Chicago, IL
Project includes construction inspection, pavement reconstruction from south of the State line to just south of Rosecrans Road (IL 173) and bridge replacement of IL 173 over I-94. The improvement is located in the villages of Wadsworth and Old Mill Creek. Other work includes widening and reconstruction of I-94 and reconstruction of

ABDOL J. MOLTAJI
Resident Engineer

Rosecrans Road (IL 173) and IL 173 ramps, including full bridge reconstruction of the IL 173 structure spanning I-94. This reconstruction will include the removal of existing pavement, shoulder, substructure and superstructure; fabricating and erecting new substructure and superstructure elements over I-94 for the spanning I-173; placing PCC pavement and HMA shoulders; storm sewer removal/installation to facilitate drainage requirements; construction and subsequent removal of temporary pavement to maintain traffic during staged construction; earthwork, installation of roadway lighting throughout the project limits, and all incidental and collateral work necessary to complete the project.

Senior Bridge Construction Engineer – IDOT/Stanley, I-94 at Russell Road Phase III Project, Lake County, District One, Chicago, IL

Project entailed the improvement of I-94 at Russell Road. This improvement included the removal of existing pavement, shoulder, bridge substructure and superstructure, erecting of new substructure and superstructure elements including erection of beams fabricated under 60P69 contract, placing PCC pavement and HMA shoulders on Russell Road and ramps, storm sewer removal/installation, retaining wall construction, construction and subsequent removal of temporary pavement for maintenance of traffic during staged construction, earthwork, installation of roadway lighting along Russell Road, and other work required to complete the project. Work included onsite inspection, layout including design changes, construction layout, geotechnical inspection and testing, preparing records, maintaining documentation, submitting pay estimates and change orders, and other duties that would require the services of an engineer to complete this project on a timely basis and in accordance with State specifications.

Resident Engineer – IDOT Harlem Avenue Reconstruction from I-90 to Irving Park Road

- Managed and oversaw $20M roadway reconstruction project.
- Responsible for all field operations, documentation, and compliance with QC/QA for materials testing.
- The project consisted of reconstruction of a four lane highway with turn lanes. The scope of work included but was not limited to: Bridge Construction over I-90, PCC Pavement, Concrete Curb and Gutter, Aggregate Base Course, Retaining walls, Storm Sewer, Sidewalk, new Interconnected Traffic Signals within the limits, Maintenance of Traffic, and Landscaping.

Resident Engineer – IDOT Dundee Bridge at US Route 41

- Oversaw $10M bridge reconstruction project.
- Responsible for construction inspection, layout and utility coordination.
- Monitored project schedule and project budget
- The project work consisted of bridge demolition, construction of sub-structure and superstructure, roadway improvements and retaining walls.

Resident Engineer – IDOT Oakton Bridge at River Road

- Oversaw $6 million bridge reconstruction project.
- Responsible for construction inspection, layout and utility coordination.
- Monitored project schedule and project budget.
- The project work consisted of bridge demolition, construction of sub-structure and superstructure and roadway improvements.
- The project consists of material testing and inspection, documentation of contract quantities and pay estimates.

Resident Engineer – IDOT Milwaukee Avenue Reconstruction from Lake Cook Road to Willow Road

- Managed and oversaw $18 million roadway reconstruction project.
- Responsible for all field operations, documentation, and compliance with QC/QA for materials testing.
- The project consisted of widening a two lane highway to four lanes with turn lanes. The scope of work included but was not limited to: PCC pavement, concrete curb and gutter, aggregate base course, retaining walls, storm sewer, sidewalk, 5 new interconnected traffic signals, maintenance of traffic, and landscaping.

ABDOL J. MOLTAJI

Resident Engineer

EDUCATION

Bachelor of Science in Civil Engineering, University of Illinois at Chicago - Structural Emphasis, Chicago, IL, 1978

CERTIFICATIONS

- IDOT Documentation of Contract Quantities
- IDOT ICORS Training
- IDOT Surveys
- IDOT Pavement Inspection
- IDOT Drainage Inspection
- IDOT Soils Inspection

APEX
CONSULTING ENGINEERS LLC

SYED I. ISHAQ, PE
Resident Engineer

SUMMARY OF QUALIFICATIONS

Syed Ishaq has more than 25 years of documentation control, construction management, and project management experience in a major market.

- IDOT Documentation of Contract Quantities Certificate #15-0368
- Materials testing, QA/QC documentation, change order review and processing.
- Wide-range of experience with highways, roadways, streets, bridges and pavement construction inspection.
- ICORS, ISTHA Proliance, IMIRS, CDOT Database.
- MicroSoft Office-Word, Excel, Access, PowerPoint, Outlook.
- Micro Station and AutoCAD.

PROFESSIONAL EXPERIENCE

Construction Inspector, Chicago Department of Transportation, Phase III Construction Engineering Services, Bridge and Viaduct Painting Contract 3
Phase III Construction Engineering Services for removal of existing paint system and application of new paint system. This work involved oversight and inspection services of five bridges, consisting of cleaning and painting steel structures, cleaning and painting new metal structures, containment and disposal of lead paint cleaning residues, and mechanical and miscellaneous cleaning, power washing, scraping and painting. Bridges over the Chicago River:

- North Halsted Bridge
- South Kedzie Bridge
- South California Bridge

Construction Inspector, Chicago Department of Transportation, Phase III Construction Engineering Services, Bridge and Viaduct Painting Contract 4
Phase III Construction Engineering Services for removal of existing paint system and application of new paint system. This work involved oversight and inspection of two bridges, consisting of cleaning and painting steel structures, cleaning and painting new metal structures, containment and disposal of lead paint cleaning residues, and mechanical and miscellaneous cleaning, power washing, scraping and painting. Bridges over the Chicago River:

- South Halsted Bridge
- North Ashland Bridge

Construction Inspector/Documentation technician, CDOT/EXP U.S. Services, Adams Street Bascule Bridge and Viaduct over Union Station, Phase III Construction Engineering Services
Sub-consultant to the Prime to perform construction engineering, field inspection, documentation including shop drawing reviews, submittal reviews. Scope of work consisted of structural repairs to the bridge and reconstruction of the viaduct structure. This work includes removal and replacement of the existing 88-year-old structure. The viaduct spans over 13 railroad tracks and five passenger platforms of the North Concourse of Chicago Union Station. Additional work involved structural repairs to the adjacent bascule bridge over the Chicago River and improvements to the intersection of Adams Street and Canal Street. The viaduct is a six-span structure consisting of composite spans with a concrete slab, paving blocks and bituminous overlay. The continuous composite spas are supported by reinforced concrete piers. The condition of the structure was poor. The viaduct is approximately 281 feet in length and 66 feet in width. The Adams Street Bascule Bridge consists of movable and fixed portions with roadway and vaulted sidewalk. The condition of the structure is good to fair. The bridge is approximately 184-feet in length and 64 feet in width (movable span) and 15 feet in length and 66 feet in width (fixed span).

SYED I. ISHAQ, PE
Resident Engineer

Construction Engineer, CDOT Solidarity Drive Underpass, Phase III Engineering Services, Chicago, IL
This project created a safe passage-way for the city's lakefront trail users. The construction was emphasized to have grade difference to trial users from traffic by an underpass that also ease congestion of vehicular traffic at one of the busiest tourist spot. Previously, the trail crossed Solidarity Drive at street level, where vehicles, pedestrians and trail users co-mingled. The project improvements required the temporarily relocation of underground utilities in phases during construction before permanent layout at high level of the underpass. A historic monument was also restored and relocated to make way for the underpass, and the Burnham Harbor parking lot was reconfigured to eliminate a trail crossing. Traffic was maintained at all times to assure safety and access to all the amenities around this area. Responsibilities included:

- Construction inspection of pavement, sidewalk with ADA accessibility ramps, underpass structure foundation, pile-hammer calculations, blow count and piling.
- Documentation of contract work, assisted resident engineer in the preparation of pay estimates on CDOT database and coordination for jobsite traffic configuration.
- Coordinate with contractor for QC/QA issues.

Construction Inspection and Project Management for the CDOT Martin Luther King Jr. Dr. resurfacing project from 79th Street to 103rd Street.

- Construction Inspection and Project Management for three miles of roadway work that involved removal and replacement of existing concrete pavement.
- Drainage structures, combination concrete curb and gutter, bituminous surface course, detector loops, and utility structure adjustments by utility companies, temporary and permanent pavement markings, sodding, and traffic protection.

Document Engineer/Construction Engineer, IDOT Dan Ryan Improvements, Northbound Local Lanes and Northbound Express Lanes, 31st St. to 71st St. and Local Lanes from 31st St. to Wentworth Ave., Region One/District One

- Provided Phase III Engineering Services as prime consultant for the improvement of I-90/94 northbound local lanes and northbound express lanes, and local lanes from 31st St. to Wentworth Ave. Scope of work involved mainline pavement reconstruction and storm sewer construction. This work included construction of the north ramp at 47th St., ramps between 39th and 43rd Streets, and removal of the south ramp at 43rd St., installation of overhead sign structures. Duties included preparing pay estimates using ICORS, documentation review, field/material inspections, report of contract progress quantities.

Document Engineer/Inspector, Metra Railroad, Pedestrian Underpass Tunnel at 135th & LaGrange Road, and Orland Park Road

- Performed field inspection and documentation of viaduct construction for Metra pedestrian underpass and tunnel.

Materials Coordinator, IDOT IL 83 (Kedzie Avenue/Western Avenue, Phase III Construction Inspection Services, Cook County, IL

- Construction inspection for improvements of IL 83 (Kedzie Avenue to Western Avenue). Work included the staged replacement of the existing composite pavement (HMA over concrete base) of 147th Street and portions of Dixie Highway/Western Avenue and Kedzie Avenue with new widened PCC pavement. Reconstruction of the ramp terminals at the I-57/147th Street interchange, installation of new storm sewer, installation of water-main, roadway lighting, and reconstruction of seven traffic signals at the 147th Street intersections with Kedzie, Sacramento, Harrison, Cleveland, West Ramp Terminals, East Ramp Terminals, and Dixie Highway/Western Avenue. Curb and gutter, concrete median, driveways, sidewalks, signing, and landscaping were installed throughout the project limits.

Assistant Engineer – IDOT Lake-Cook Road (from Hart Road to Quentin Road), Lake County, IL (Barrington/Deer Park)
The resurfacing project's scope include concrete curb and gutter removal and replacement, milling of existing pavement, pavement replacement of leveling binder and surface with HMA, pavement patching, pavement striping removal, temporary striping installation, placement of thermoplastic pavement striping, traffic signal loop detector removal and replacement and other associated work related to the completion of the project. Responsibilities included:

- Layout, construction inspection of HMA binder and surface courses.
- Documentation of all other contract work.
- Coordinating with contractor for QC/QA issues.

Assistant Engineer – IDOT Route 59 (from Barrington to Lake Cook Road), Lake County, IL
The resurfacing project's scope included concrete curb and gutter removal and replacement, pavement replacement of leveling binder and surface with HMA, pavement patching, pavement striping removal, temporary striping installation, placement of thermoplastic pavement striping, traffic signal loop detector removal and replacement and all associated work related to the completion of the project. Other responsibilities included:

- Layout, construction inspection of HMA binder and surface courses.
- Documentation of all other contract work.
- Coordinating with contractor for QC/QA issues.

Construction Engineer/Inspector, IDOT IL 137 Bridge over Peterson Road, Lake County, IL

- Responsible for performing pile hammer blow count and prosecution of piling operations for substructure works.
- Documentation of contract work.
- Project included complete removal/replacement (with widening) of the three-span bridge superstructure, pier cap replacement and extension, including resurfacing of approach roadways of the bridge.

Construction Engineer – IDOT/T.Y. Lin, Congress Bridge over South Branch of Chicago River, Phase III Engineering Project, Cook County, IL
Provided Phase III engineering services for the improvement of Congress Bridge over the South Branch of the Chicago River. Major bridge rehabilitation included mechanical, electrical and structural components (4 leafs involved).

- New bridge deck, structural/electrical rehabilitation including repairs to adjacent bridge structure.
- Replacement of the two (2) existing dolphins located at the northwest and southeast quadrants within the South Branch of the Chicago River underneath the existing Congress Parkway Bridge.
- Navigation lighting was required on dolphins, minor substructure repair work, and removal and replacement of the fender systems along the bridge piers.
- Canal Street ramp improvement and modification was necessary for staging.
- Signing for alternate routes and advance staging work.
- Provided inspections and bolt testing, prepared records, maintained documentation
- Quality Assurance and Contractor's Quality Control oversight.

This project included the following structures: S.N. 016-2445 (Congress Parkway .02 miles west of Wells Street) and S.N. 016-0462 (Congress Parkway .03 miles west of Wells Street)

Construction Engineer – CDOT/Benesch, Congress Parkway Interchange, Chicago, IL
Performed Phase III engineering services for the Congress Parkway Interchange Improvements Project site located in downtown Chicago east of the Chicago River, extending from the south side of Van Buren Street to the Harrison Street; and from the Chicago River to Wells Street, a distance of approximately 8,086.94 feet. (Estimated Project Value $80 Million). Improvements include the following:

- Demolishing the existing interchange roadways, including tunnels and existing foundations.
- Deck replacement, beam replacement, and widening of the Congress Parkway fixed spans.
- Widening and resurfacing of Wells Street from Harrison Street to Van Buren Street.
- New gateway landscaping in the interchange area, including berming over of tunnels.
- Installing CTA manholes, conduits, cabling and termination of 21 pack duct bank (20-1500 KCMIL and 1-500 KCMIL).
- Coordination with CTA for power shutdown, including inspection and documentation quantities for payment.
- Monitoring and inspecting Contractor's work for the installation of 14-foot diameter (O.D.) MWRD precast concrete pipe across Congress Parkway using Tunnel Boring Machine.
- Inspection and documentation of storm sewer work, tunnel construction with post tensioning, electrical work, including IDOT Pump House, overhead sign structures, ComEd service and Transformer/Switch gear installation, Tunnel Ventilation and Electrical room, City Electrical room, Traffic Surveillance, CDOT and IDOT Street lighting.

Construction Engineer/Inspector – IDOT Dan Ryan Expressway (I-94), 79th St. to 83rd St., Cook County, IL

- Responsible for documentation, and generating pay estimates using ICORS.
- Performed construction inspections for Roadway, Pile Drilling, Jacked Drainage Systems/storm sewer work and Electrical works for light towers and underground cabling.

Assistant Engineer – IDOT US Route 14 (from McHenry County Line to Hart Road), Barrington/Lake Barrington, IL
The resurfacing project's scope included concrete curb and gutter removal and replacement, milling of existing pavement, pavement replacement of leveling binder and surface with HMA, pavement patching, pavement striping removal, temporary striping installation, placement of thermoplastic pavement striping, traffic signal loop detector removal and replacement and other associated work related to the completion of the project.
Responsibilities included:

- Layout, construction inspection of HMA binder and surface courses.
- Documentation of all other contract work.
- Coordinating with contractor for QC/QA issues.

Assistant Resident Engineer/Construction Engineer – CDOT Milwaukee Avenue Improvements Project, Montrose Avenue to Gale Avenue, Chicago
Phase I of this improvements project included roadway reconstruction, new sidewalk with ADA ramps, new sewers, curb and gutter, decorative street lights, stamped asphalt crosswalks, decorative trash receptacles, 120 new trees with tree grates and modernized traffic signals. The Higgins Avenue triangle was also improved with new granite pavers and lighting.

- Performed field inspection, contractor coordination, documentation of contract work and final quantity calculations of contract quantities for job closeout.
- Performed internal audit for previously documented quantities of the project that involved pavement reconstruction, drainage, earthwork, textured pavement, sidewalks, ADA ramps, street lighting and landscape works. The process of finalizing pay item was intended to provide an auditor or the contractor

with an all inclusive documentation package that clearly and concisely showed location of the work and accurately calculated quantity of the work.

Construction Engineer/Inspector – IDOT IL 171 (Archer Avenue) Bridge Replacement over Long Run Creek
Provided phase III engineering services for the project that included piling work, construction inspection for foundations and storm sewer work.

Construction Engineer/Inspector – IDOT Various Moveable Bridges, Bridge Repairs in Will County
Provided phase III engineering services for the rehabilitation/deck repairs of various existing bridges over the Des Plaines River.

EDUCATION

Bachelor of Science Degree, Civil Engineering, University of Mysore, India, 1991

LICENSE

Illinois Licensed Professional Engineer, 062-059138, 2006

CERTIFICATIONS

IDOT Certification

- IDOT Documentation of Contract Quantities #15-0368
- STTP-533 Soils Field Testing and Inspection Course
- Pavement Inspection
- Bridge Construction Inspection
- PCC1/ACI, ICORS
- Materials Management for Resident Engineers
- Various other courses in the field of civil engineering and structures for continuing PDHs

ISTHA Certification
Proliance

Safety Orientation Training

- Metra, UPRR, BNSF
- OSHA and Scaffolding tower training

DENNIS RUDY
Resident Technician

SUMMARY OF QUALIFICATIONS

- Dennis Rudy has over 32 years of IDOT experience.
- Administers contracts and documentation of contract quantities for payment.
- Conducts surveys, collect data and draw conclusions to determine project feasibility and profitability.
- Manages construction layout and maintains plan dimensions and design.
- Directs the activities of field crews to achieve daily inspections.
- Ensures the use of high quality materials to satisfy IDOT rigorous specifications.

PROFESSIONAL EXPERIENCE

ILLINOIS DEPARTMENT OF TRANSPORATION, SCHAUMBURG, IL

As a Resident Technician, for this multibillion-dollar state agency, Dennis Rudy managed a wide variety of roadway development projects including:

- IL 171 over Long Run Creek - Bridge removal and replacement, pavement construction at a new profile, drainage improvements, grading and earthwork for roadway and compensatory storage, including new and temporary traffic signal installation.
- Ruby Street - Replace wood sidewalks and paint structure, repair steel grid deck and clean bearings, including housing for the trunnion pins.
- I-80 at Briggs Street - Resurfacing development consisting of lane widening, traffic signal installation and channelization.
- Guardrail Replacement at South Cook and Will Counties - Guardrail and traffic barrier terminal removal and replacement.
- I-55 South Frontage Road East Drainage Improvement - Bore a 54-inch steel casing under I-55 with a 30-inch SS insert.
- I-55 over IL 53 and Over Joliet Road - Concrete Patching over Joliet Road on I-55, and place permanent protective shield on Joliet Road Structure over I-55.
- US 30 over Des Plaines River - Replace racks on both sides of a moveable bridge.
- New Avenue from Archer Avenue to Lockport - Pavement patching and re-surfacing.
- Route 30 over Creek, Wheatland Township - Route 30 cast-in-place box culvert replacement.
- I-55 Weigh Station Northbound and Southbound, Bolingbrook - PCC patching along I-55.
- Various Routes in Will County - Various surface patching on various routes in Will County.
- US 6 from Terry Drive to McDonough Street - Pavement patching and resurfacing.
- Jackson Street Bridge over Des Plaines River - Replace racks on Jackson Street moveable bridge in Joliet.
- I-55 West Frontage Road - Frontage Road resurfacing and patching.
- Various Projects, Various Locations, Various Routes - Various surface patching on various routes in Will County.

- **Weigh Station on Southbound I-55 in Bolingbrook** - Replace Weigh Station scale and paint structure.
- **IL 53 from Caton Farm to Renwick Road** - Pavement patching and re-surfacing.
- **IL 53 from Renwick Road to Belmont Drive** - Pavement patching and re-surfacing.
- **Ottawa Street from Jackson Street to Osgood Street** - Pavement patching and re-surfacing, including HMA overlay in the concrete area.
- **Joliet Road from Bluff Road to IL Route 53** - Pavement patching and resurfacing.
- **US 6 from Terry Drive to Empress Drive** - Pavement patching and resurfacing.
- **US 6 from Spring Creek Road to Porter Avenue** - Pavement patching and re-surfacing.
- **New Avenue** - Add HMA shoulders and rumble strip on shoulders at the center line.
- **Various Projects, Various Location, Various Routes** - Various surface patching in various routes in Will County.
- **Division Street** - Resurfacing and patching.
- **US 30 from Collins Street to Jefferson Street** - Resurfacing and patching.
- **Various Projects, Various Locations, Various Routes** - Various surface patching on various routes in Will County.
- **IL 171 and 131st Street** - Raised profile of road, added turning lanes and reconstructed pavement with new HAM pavement, including adding traffic signals to the intersection and drainage improvement.
- **IL Route 7 Bridge Rehabilitation** - Patching and latex overlay on three-mile bridge over the Des Plaines River, Lockport, IL.

Senior Construction Inspector for the following roadway development projects:

- **IL Route 7 and IL Route 53** - Bridge total reconstruction and intersection improvement, traffic signal modernization, widening and placing bituminous asphalt, and storm sewer placement.
- **I-80 Resurfacing and Patching** - Placement of guardrail, underdrain and reconstruction of ditches and placement of bituminous asphalt on a four mile project.
- **IL Route 30 Box Culver Removal** - Removing and replacing a box culvert, resurfacing road and placing storm sewer on a one mile project.
- **Operation Green Light** - Replacing traffic signals in downtown Joliet and putting an interconnect system in, replacing and adding street lights.
- **I-55 and Jefferson Street** - Total reconstruction of interchange and bridge, placing PCC pavement, storm sewer and traffic signal modernization, adding street lights and placement of storm sewer throughout the job.

- **US 52 Jefferson Street** - Resurfacing and widening: Placing bituminous asphalt, patching storm sewer and traffic signals, adding street lighting and curb and gutter repairs
- **IL 53 and Mills Road** - Replacing a box culvert, placement of storm sewers and traffic signal modernization, addition of street lighting, resurfacing and patching.
- **IL 59 and US 34**: Total reconstruction and widening of lanes, placing storm sewer and street lights, traffic signal modernization and placement of an interconnect system
- **IL 7 from US 30 to McDonough Street** - Widening of McDonough Street Traffic Signal modernization placement of interconnect system, patching and resurfacing, curb and gutter repair and storm sewer placement.
- **I-55 Maintenance Yard** - Constructing a retaining wall and placement of an earth berm.
- **IL 83 from 55th to 58th Street** - Total pavement reconstruct, placement of a spread footing and retaining wall with pilaster to accommodate sound wall, storm sewer placement and dealing with contaminated soil.
- **IL Route 59 South of IL 126 to South of 143rd Street** - Total pavement reconstruction, erect roll-on bridge and reconstruct two bridges over the Du Page river and the Tributary, installation of a slurry wall and water-main installation. Building of pump station #52
- **IL Route 59 and Route 126 in Plainfield**: Replace two-lane pavement with new four-lane concrete hinged jointed pavement. Replace old railroad structure with a new structure that was rolled into place. Build a new structure over the compensatory storage over flow. Reconstruct and update traffic signals at Route 126 and Route 59. Placed new water-main and completed other drainage improvements in the area.

CONTINUING EDUCATION AND TRAINING

- Documentation of Contract Quantities
- Work Zone Safety & Traffic Safety Training
- Earth Excavation and Embankment
- Bridge Construction Joint Training
- ICORS Training
- Pavement Patching
- Concrete Structures
- HMA paving inspection
- Construction and Specifying Longitudinal joint workshop
- Work Site Protection
- Materials Management
- Small Drainage Structures
- Jobsite Management
- Structural Fasteners
- QC/QA for Construction
- HMA Pavement Patching
- Bituminous Concrete field inspection
- Storm Sewer Hydraulics design
- Pile Foundation Construction

MICHAEL P. PAVLUK

Senior Construction Inspector

SUMMARY OF QUALIFICATIONS

- 30 years of experience on various construction engineering and inspection projects.
- Extensive experience with CDOT, IDOT, and ISTHA construction documentation.
- Highway and bridge construction projects.
- Various IDOT QC/QA Program Certifications.
- IDOT Documentation of Contract Quantities #16-11810.
- IDOT ICORS Training 2004.

PROFESSIONAL EXPERIENCE

Senior Construction Inspector, CDOT Bridge and Viaduct Painting Contracts 7 and 8, Chicago, IL
Prime Consultant Contract, consisting of overseeing the painting of two bridges, one on Contract 7 and one on Contract 8. The two bridges are Wacker Drive from Field Boulevard to Lake Shore Drive, and Wacker Drive from Stetson Street to Field Boulevard. This is a federally funded project, so DBE participation was required. Total construction cost was estimated between $2 million and $4 million. The project was scheduled to begin in spring 2017 with a completion date in late 2017.

Senior Construction Inspector, CDOT/EXP U.S. Services, Adams Street Bascule Bridge and Viaduct over Union Station, Phase III Construction Engineering Services
Sub-consultant to the Prime to perform construction engineering, field inspection, documentation including shop drawing reviews, submittal reviews. Scope of work consisted of structural repairs to the bridge and reconstruction of the viaduct structure. This work includes removal and replacement of the existing 88-year-old structure. The viaduct spans over 13 railroad tracks and five passenger platforms of the North Concourse of Chicago Union Station. Additional work involved structural repairs to the adjacent bascule bridge over the Chicago River and improvements to the intersection of Adams Street and Canal Street. The viaduct is a six-span structure consisting of composite spans with a concrete slab, paving blocks and bituminous overlay. The continuous composite spas are supported by reinforced concrete piers. The condition of the structure was poor. The viaduct is approximately 281 feet in length and 66 feet in width. The Adams Street Bascule Bridge consists of movable and fixed portions with roadway and vaulted sidewalk. The condition of the structure is good to fair. The bridge is approximately 184-feet in length and 64 feet in width (movable span) and 15 feet in length and 66 feet in width (fixed span).

Senior Construction Inspector, IDOT, Phase III Various Projects, Various Routes, Various Counties, Region One/District One
Senior Construction Inspector with responsibilities for various Bridge Painting projects in Will County. Mr. Pavluk was largely responsible for assisting the IDOT Assistant Resident Engineer with construction inspection for assigned projects throughout Will County.

Senior Construction Inspector, IDOT 53 Extension South of I-90 to Lake-Cook Road.
Asphalt roadway rehabilitation and bridge rehabilitation. The project included the existing asphalt grinding and two lift asphalt replacement of eight miles of existing expressway two to 12 lanes and associated ramps with bridge patching and overlay.

Senior Construction Inspector, IDOT/Civiltech, U.S. 30 – Briarcliff Road to US 34 & West of IL 31 (West Lake Street) to East of BNSF RR, Phase III Project, Kane and Kendall Counties
Improvement of U.S. 30 from Briarcliff Road to U.S. 34 and West of Illinois 31 (West Lake Street) to East of BNSF Railroad. Scope of work involved pavement reconstruction to provide a five-lane cross-section consisting of two 12-foot through lanes with an improvement; traffic signal modernization; bridge replacement; roadway reconstruction; bridge widening; roadway widening and resurfacing; ramp realignment; and new traffic signal. Pavement for bridge replacement and roadway reconstruction is PCC and pavement for widening, resurfacing, and ramps is full depth HMA. Work included construction inspection, and on-site inspection of all structural elements,

material testing, documentation of contract quantities, construction staking and layout, daily traffic control inspection, and pay estimates.

Senior Construction Inspector, Chicago Department of Transportation (CDOT), Reconstruction of Fullerton Drive Bridge and Underpass at the Lincoln Park Lagoon
Prime Consultant for reconstruction of Fullerton Parkway Bridge over the Lincoln Park Lagoon, a two-span steel multi-girder bridge on reinforced concrete abutments and center pier. This project involved complete removal of the bridge superstructure and replacement with a new steel multi-girder single span with a reinforced high performance concrete deck and a latex modified concrete overlay, and complete removal of the underpass superstructure and replacement with a new pre-cast structure. The project also included one new traffic signal and modernization of the existing signals, including demolition and reconstruction of the existing pedestrian and bike underpass, drainage, roadway reconstruction, traffic signal installation, lighting, and Lake Shore Drive ramp reconstruction. The work included architectural fascia stone work for bridge and underpass from Lake Shore Drive to West of Cannon Drive.

Construction Inspector, ISTHA, Tri-State Tollway (I-94/I-294/I-80), Bridge Rehabilitation
The project involved repairing five crossroad bridge structures over the Tri-State Tollway, including one on the North Tri-State Tollway and four bridges on the South Tri-State Tollway. The project included concrete repairs to abutments and piers, concrete beam repair, cleaning and sealing bridge seats, cleaning and painting bearings, some slope wall work, and in the case of the ramp bridge carrying inbound I-55 traffic to northbound I-294, a deck overlay and expansion joint replacement. This work involved construction inspection services that involved on-site inspection for all structural elements of the project, material testing, documentation of contract quantities, construction staking and layout, daily traffic control inspection, and pay estimates.

EDUCATION

Civil Engineering Undergraduate Studies, Marquette University, Milwaukee, WI

CERTIFICATIONS

- IDOT Documentation of Contract Quantities, #16-11810
- IDOT ICORS Training, 2004
- IDOT PCC Level I and II
- IDOT Bituminous Concrete Level I and II
- IDOT Bituminous Concrete Density Tester
- IDOT Construction Staking
- IDOT Drainage Structure Construction Inspection
- IDOT Pavement Construction Inspection
- IDOT Aggregate
- IDOT Piling Inspection
- IDOT Survey
- Trioxler Nuclear Testing

MOHAMMED F. BAIG, EIT
Construction Inspection

SUMMARY OF QUALIFICATIONS

- Over 25 years of experience as a Civil Engineer and Material Engineer.
- Experience includes engineering design review, contract conformance, quality assurance and control, quantity verification, daily reports and project close outs.
- Field inspections for highways, roads, bridges, airport runways, taxiways, and terminals.
- Field inspection for concrete and bituminous plants.
- Proficient in IDOT Documentation of Contract Quantities #16-11744
- Proficient in P.C. Concrete Proportioning (PCC-220-02-88).
- Excellent communication, organization, and interpersonal skills.

PROFESSIONAL EXPERIENCE

Construction Inspector, Chicago Department of Transportation, Phase III Construction Engineering Services, Bridge and Viaduct Painting Contract 3
Prime Consultant for Construction Inspection for oversight and inspection of painting of five bridges, consisting of cleaning and painting steel structures, cleaning and painting new metal structures, containment and disposal of lead paint cleaning residues, and mechanical and miscellaneous cleaning, power washing, scraping and painting. Bridges over the Chicago River: North Halsted Bridge; South Kedzie Bridge; South California Bridge; South Halsted Bridge; North Ashland Bridge

Construction Inspector, Chicago Department of Transportation, Phase III Construction Engineering Services, Bridge and Viaduct Painting Contract 4
Prime Consultant for Construction Inspection for oversight and inspection of two bridges, consisting of cleaning and painting steel structures, cleaning and painting new metal structures, containment and disposal of lead paint cleaning residues, and mechanical and miscellaneous cleaning, power washing, scraping and painting. Bridges over the Chicago River: Ashland Street over North Branch of the Chicago River; Halsted Street over the South Branch of the Chicago River

Construction Inspector, CDOT/Civiltech, Chicago Department of Transportation/Civiltech/Damen/Elston, Fullerton Intersection Improvements
Construction Inspection for realignment and construction of North Elston Avenue and the intersections between North Damen Avenue and West Fullerton Avenue. Scope of work included widening of Damen Avenue, the widening of the north sidewalk along Fullerton Avenue and resurfacing of all existing streets within the project limits. The work involved construction of composite pavement, high-early strength Portland Cement Concrete (PCC), concrete curbs and gutters, concrete alleys and driveways, concrete sidewalks, Americans with Disabilities Act (ADA) Ramp with Tactile/Detectable Warning Surface Systems and concrete medians; Hot-Mix Asphalt (HMA) surface removal; PCC base course/pavement removal and replacement; retaining wall modifications; earthwork activities; installation of storm sewers, combined sewers, water main and appurtenances, a new utilidor, interconnected traffic signals, roadway lighting signs, and landscaping; placement of HMA surface course and bidder courses, polyuria and thermoplastic pavement markings, and irrigation.

Construction Inspector, Chicago Department of Transportation, US 41 Relocation, Harbor Avenue to 79th Street
Construction inspection for new roadway construction, traffic signal modernization, street lighting, landscaped median installation, permeable pavement parking lanes, ADA compliant sidewalks, sewer and drainage structures, and pavement marking. Work included construction site inspection, construction layout, preparation of pay estimates, and materials inspection and documentation.

MOHAMMED F. BAIG, EIT

Construction Inspection

Construction Engineer/Inspector, Chicago Department of Transportation, Archer and Ashland Avenue
Construction inspection of five intersections, consisting of new street and traffic lighting, foundation poles, mast arm, fixtures, electric man-holes and hand-holes, conduits and conduit cables, controller cabinets, video systems and cameras, and removal of existing sidewalks curb and gutter. This work involved constructing new sidewalks, curb and gutters, driveways, ramps, street and alley pavements, resurfacing, striping and landscaping.

Construction Engineer/Inspector – ISTHA/Stanley, I-294/57 Interchange, Construction Management Services, Cook County, IL
Phase III Engineering Services for roadway, ramp, and bridge construction as well as various other construction contracts on the Tri-State Tollway at Interstate 57 in Cook County, Illinois. Specific tasks include construction of Ramp M (northbound I-57 to northbound I-294), retaining wall, and toll facilities. APEX duties included performing on-site inspection, review of layout of contract including design changes, providing geotechnical inspection and testing, preparing records, maintaining documentation, submitting pay estimates and change orders. This work involved shoulder removal and replacement, median barrier removal and replacement, pavement construction and widening and marking, sign removal and replacement, lighting removal and replacement, right of way fencing and maintenance of traffic flow.

IDOT Phase III Various Projects, Various Routes, Various Counties, District One
Prime Consultant for IDOT's Phase III Engineering Services, consisting of various construction projects in District One. Scope of work involved general construction inspection and documentation, PCC & bituminous concrete paving operations, drainage, patching, bridge structures, and bridge painting. Work included survey/layout services, Quality Assurance and Contractor's Quality Control oversight.

EDUCATION

Master of Science, Material Engineering | University of Illinois, Chicago, IL
Bachelor of Science Degree, Civil Engineering | Osmania University, Hyderabad, India

LICENSE

Professional Engineer-in-Training in the State of Illinois • 00057257

CERTIFICATIONS

- ISTHA Proliance for Construction Phase Processes (6/2011)
- IDOT Understanding Specifications Technology Transfer Program (3/2010)
- IDOT Small Drainage Structure Inspection Technology Transfer Program (1/2010)
- IDOT Documentation of Contract Quantities Certification (#16-11744)
- IDOT P.C. Concrete Proportioning (#PCC-220-02-88)
- IDOT Superpave Field Control Course
- IDOT P.C. Concrete Technician Course Level II
- IDOT Bituminous Levels I, II and III Technician Course
- IDOT S-33 Geotechnical Field Testing and Inspection
- Troxler Electronic Laboratories, Inc. Training Course for the use of Nuclear Testing Equipment (#26902)
- American Concrete Institute ACI Concrete Field Testing Technician – Grade I

ERIC J. STEIN

SURVEYOR

SUMMARY OF QUALIFICATIONS

- Survey experience
- Crew Chief and Instrument Man
- AutoCAD software

PROFESSIONAL EXPERIENCE

IDOT Various Phase III, Survey of Construction

IDOT Globetrotters, Torrence Avenue,

IDOT Various I, Survey of Right of Way,

Surveying Technician – IDOT IL 83 (Kedzie Avenue to Western Avenue), Phase III Construction Project, Cook County, IL

- Survey existing conditions and construction inspection for Bridge and Tollway reconstruction.
- Task includes surveying map location, control, coordinates, and elevations.
- Coordinate safety measures for survey crews on IDOT ROW.
- Establish control in Illinois State Plane East NAD83 (1997) datum.

Scope of Work: Project entails construction inspection for the improvement of IL 83 (Kedzie Avenue to Western Avenue). Work includes the staged replacement of the existing composite pavement (HMA over concrete base) of 147th Street and portions of Dixie Highway/Western Avenue and Kedzie Avenue with new widened pavement. Other work includes reconstruction of the ramp terminals at the I-57/147th Street interchange, installation of new storm sewer, installation of watermain, roadway lighting, and reconstruction of seven traffic signals at the 147th Street intersections with Kedzie, Sacramento, Harrison, Cleveland, West Ramp Terminals, East Ramp Terminals, and Dixie Highway/Western Avenue. Curb and gutter, concrete median, driveways, sidewalks, signing, and landscaping were installed throughout the project limits.

Surveying Technician – IDOT/Stanley, I-294 Bridge and Tollway Survey, Gurnee, IL

- Surveyed existing conditions and construction inspection for Bridge and Tollway reconstruction from Route 173 through Russell Road to Wisconsin border in northern Illinois.
- Task included surveying map location, control, coordinates, and elevations.
- Coordinated safety measures for survey crews on IDOT ROW.
- Established control in Illinois State Plane East NAD83 (1997) datum.
- Operated field surveys with GPS and Total Station.
- Processed data for review.

Surveying Technician – ISTHA/URS, Elgin O'Hare Western Access (EOWA), Arlington Heights Road to Lively Boulevard, DuPage and Cook Counties, IL

- Surveyed existing conditions and construction inspection for Bridge and Tollway reconstruction.
- Task included surveying map location, control, coordinates, and elevations.
- Coordinated safety measures for survey crews on IDOT ROW.
- Established control in Illinois State Plane East NAD83 (1997) datum.
- Operated field surveys with GPS and Total station.
- Processed data for review.

ERIC J. STEIN

SURVEYOR

Crew Chief, Auto CAD, Instrument Man – Various Projects for Chicago Guarantee Survey, Chicago, IL

- Ran level circuits.
- Operated field surveys and verified Legal and Boundary conflicts.
- Layout of vertical alignments of roadways.
- Layout of horizontal alignments of roadways.
- Duties included legal descriptions and CAD lot exhibits for several neighborhoods.

EDUCATION

United States Navy – Electronics Studies, 1994

APEX
CONSULTING ENGINEERS LLC

Material Solutions Laboratory Corporation

Mr. Tiltges has over 15 years of experience in the materials testing industry. He has served as a Field Quality Assurance Engineer on several high profile IDOT and ISTHA projects including the Dan Ryan Expressway Reconstruction and; Eisenhower, Edens, Stevenson, I-80, I-57, I-90 and Kennedy Expressway Resurfacing Projects. Mr. Tiltges has coordinated the efforts of Phase III Consultants, Contractors, HMA and PCC Producers, as well as Aggregate Producers and Suppliers to ensure successful completion of transportation projects.

Illinois Department of Transportation, PTB 163-20, PTB 167-17, PTB 171-1, PTB 175-4, PTB 177-01. Various Quality Assurance Aggregate/HMA/PCC Projects, Region One, District One. MSL's Project Manager for these Various Various Material Testing projects with IDOT District One. MSL has served as both prime consultant and sub-consultant, performing QA Laboratory testing of Phase III HMA, PCC, AGCS, RAP and RAS materials with personnel in various IDOT facilities. MSL has been responsible for overseeing Pay for Performance reporting, data collection, and computing pay factors for every District One HMA project which has the Pay for Performance Specification or the Quality Control for Performance Specification. Also has assisted the department with implementing a RAS project management program and other various laboratory testing as needed to assist the department.

Illinois Tollway, I-90 Reconstruction, Higgins to Roselle, Contract # I-14-4206. Acted as MSL's Quality Assurance Manager (QA) for ISTHA on this $81 million contract. Work under this contract included Performance Related Specification (PRS) mainline pavement, I-90 land bridge, retaining and noise walls. MSL technicians performed all QA plant and field inspection for PCC, HMA and geotechnical items.

Illinois Department of Transportation, IL 171 (Archer Ave.): 47th St. to 55th St. Bridge Complex at I-55, Contract # 60J16, 60W77. Served as the Quality Assurance Manager (QA) for MSL on these IDOT contracts worth a combined $36 Million. MSL technicians provided QA testing services for nine bridge decks, pavement patching and resurfacing with polymerized hot-mix asphalt, realignment and reconstruction of Ramp E, shoulder widening and bridge approach pavement connectors.

Illinois Department of Transportation, I-55 (Stevenson Expressway): I-94 (Dan Ryan Expressway) to US 41 (Lake Shore Drive), Contract # 60L70. MSL's Quality Assurance Manager (QA) for IDOT on this $74 Million contract which includes total reconstruction of the three outbound bridge structures (two curved girder structures and one tangent structure) at the I-55 (Stevenson Expressway) and US 41 (Lake Shore Drive) interchange including realignment of structures, widening, and concrete retaining walls. MSL technicians are responsible for all QA plant and field inspection of HMA, PCC and soil testing for this project.

Illinois Department of Transportation, I-90 (Kennedy Expy) at I-290/Congress Parkway (Circle Interchange) Peoria St./Morgan St. MSL's Quality Assurance Manager (QA) for IDOT on this $40 Million contract which includes full reconstruction of the Peoria St. and Morgan St. bridges over I-290. MSL technicians were responsible for all plant and field inspection of HMA, PCC and soil testing for these projects.

Illinois Tollway, I-57 and I-294 Interchange (Ramp X & M) Contract # I-12-4067. MSL's QA Manager for ISTHA on this contract. MSL's technicians and lab staff provided all plant and field HMA, PCC, and soil inspection for this Category 3 project. Work under this contract included building of embankment, WMA SC & BC, SMA SC & BC, mainline paving, and miscellaneous PCC items. Also performed construction inspection duties when not assigned to QC/QA material.

Dan Tiltges, P.E.

Project Role
Liaison Engineer

Education
- Bachelor of Science in Civil Engineering, Michigan State University, East Lansing, MI, 2002

Professional Registrations & Certifications
- Professional Engineer, Illinois (License # 062-060045)
- IDOT PCC Level I/II/III
- IDOT HMA Level I/II/ III
- IDOT 5-Day Aggregate
- IDOT S-33 Geotechnical Field Testing and Inspection
- IDOT Documentation of Contract Quantities (16-11568) Exp. 3/10/2020
- IDOT Nuclear Density Technician
- IDOT Nuclear Safety
- IDOT ICOR's Certified
- IDOT Mat. Mgmt. for Resident Engineers
- ACI Concrete Field Testing Technician—Grade I
- NHI Safety Inspection of In-Service Bridges
- NHI Stream Stability and Scour at Highway Bridges
- NHI Evaluating Scour at Bridges
- S-11 Bituminous Concrete Field Inspection
- S-15 Earth Excavation and Embankment
- S-13 Concrete Structures
- S-19 Piling
- S-46 Small Drainage Structures
- PCI Precast/Pre-stressed Level I/II

Material Solutions Laboratory Corporation

Illinois Tollway, I-88 (Reagan Memorial Tollway) Resurfacing and Bridge Rehabilitation, Contract # RR-10-5615. Quality Assurance Manager for ISTHA on this $31 Million contract. Provided all plant inspections for this Category 3 project. Responsible for management of Tollway I-MIRS system for all reporting HMA, SMA and WMA test results

Illinois Tollway, I-90 (Jane Adams Memorial) Resurfacing and Bridge Rehabilitation, Contract # I-09-5588. MSL's QA Manager for this $36 Million project. The project consisted of QA plant and field inspection for over 200,000 Tons of HMA mixes including SMA surface and binder course, N-105 BC, N-70 SC, N-90 BC & SC. MSL's engineers and technicians utilized the Tollway I-MIRS system for all reporting of PCC and HMA test results.

Illinois Department of Transportation, I-55 (Stevenson) Resurfacing and Bridge Rehabilitation, Contract #'s 60I64, 60L67. MSL's QA Manager for this $35 Million resurfacing project. MSL performed all QA plant and field inspection which included three HMA plants. This included monitoring and testing of over 125,000 Tons of HMA mix including IL-4.75 level binder, N-105 BC, and N-70 SC & BC. The project also consisted of 130,000 Tons of SMA surface and binder course all paved according to IDOT's Pay for Performance special provision.

Illinois Department of Transportation, I-57 Resurfacing, Contract #'s 60H57. MSL QA manager on this contract. The project consisted of PCC testing and HMA/ SMA mixture testing of asphalt material. This $20 Millions resurfacing project consisted of 100,000 Tons of HMA pavement including SMA binder and surface courses.

Illinois Department of Transportation: Edens Expressway Resurfacing and Bridge Repair Project, Chicago Illinois. IDOT QA manager for this 15 mile long project. Involved in QA Testing and oversight of complex Stone Matrix Asphalt and high performance PCC micro-silica bridge deck overlay mixtures. Supervised Phase III Consultant, contractors, and producers to ensure proper compliance with contract documents. Attended all project progress meetings and pre-pour meetings. Daily activities included PCC and HMA mix design evaluation, quality control plan review, and plant and lab calibrations.

Illinois Department of Transportation: Dan Ryan Expressway Rehabilitation Project, Chicago, Illinois. Primary IDOT Field Quality Assurance Engineer for the North End of the Dan Ryan Rehabilitation Project including the micro-silica overlay of 18 structures carrying the Dan Ryan Expressway from 15th St. to 28th St. Supervised Phase III Consultant, contractors, and producers to ensure proper compliance with contract documents. Attended all project progress meetings and pre-pour meetings. Daily activities also included PCC and HMA mix design evaluation, quality control plan review, and plant and lab calibrations.

IDOT Materials Field Engineer, North Cook County, IDOT.
Supervised and performed QA tasks for production of materials from 12 PCC and six HMA plants in North Cook County. Responsible for supervising all activities of HMA and PCC QC personnel. Worked with contractors, consultants, producers, and suppliers to ensure all material placed met specifications and contract documents.

MSL
Material Solutions Laboratory

Material Solutions Laboratory Corporation

Mr. Barrie has 8 years of experience as a Materials Technician on various types of construction projects. He has recently worked on various Tollway, IDOT and CDOT projects and is well versed in the policies, procedures, specifications and documentation required by IDOT District One Bureau of Materials.

Illinois Tollway, I-88 Roadway Resurfacing—U.S. Route 30 to U.S. Route 52, Contract # RR-13-5660R. Lead Quality Control Representative for this $60 Million project. Administered the Contractor's Quality Program (CQP), overseeing all Tollway IMIRS documentation, plant and field testing for PCC, HMA and earthwork. The project included 30,000 tons of SMA, over 100,000 square yards of full depth HMA, and 110,000 cubic yards of earth and furnished excavation.

Illinois Tollway, NSMJAWA Watermain Relocation—Barrington Rd. to Higgins Creek, Contract #'s I-14-4641, I-14-4648, I-14-4180. Quality Control Technician on these contracts totaling $80 Million. Administered the Contractor's Quality Program (CQP) for these projects, including all Tollway IMIRS documentation, plant and field testing for PCC and Soil work included in the contracts.

Illinois Tollway, I-57 and I-294 Interchange (Ramp X & M) Contract # I-12-4067. Quality Assurance technician for ISTHA on this contract. Provided all plant and field HMA, PCC, and soil inspection for this Category 3 project. Work under this contract included building of embankment, WMA SC & BC, SMA SC & BC, mainline paving, and miscellaneous PCC items. Also performed construction inspection duties when not assigned to QC/QA material tasks.

Illinois Tollway, I-88 (Reagan Memorial Tollway) Resurfacing and Bridge Rehabilitation, Contract # RR-10-5615. Quality Assurance technician for ISTHA on this $31 Million contract. Provided all plant inspections for this Category 3 project and was responsible for management of Tollway I-MIRS system for all reporting HMA, SMA and WMA test results

Illinois Department of Transportation, Various Quality Assurance Aggregate/ HMA/PCC Projects, Various Routes, Various Counties, Region One, District One. Quality Assurance technician responsible for assisting IDOT D-1 materials department with administering of PFP projects. Was responsible for overseeing PFP projects performed at 2 different asphalt plants in Lake County. Daily activities included witnessing QC testing, plant inspection, providing random PFP numbers according to IDOT's PFP specification, and testing all PFP density cores.

Illinois Department of Transportation, I-290 (Eisenhower) Resurfacing, Contract #'s 60K12, 60K10, 60K13, 60K11. QA Materials Technician for these contracts. The project consisted of PCC and HMA/SMA mixture testing for this $80 Million resurfacing project. Was responsible for ensuring that material from 3 HMA and 2 PCC plants met all IDOT requirements. This included QA oversight of N70 Surface using IDOT's Pay for Performance special provision.

Illinois Department of Transportation, Russell Road Reconstruction, Contract # 60L76, Wadsworth, IL. Primary Field Quality Control Technician for this $10 million reconstruction project. The projected consisted of .5 miles of PCC paving, ramp reconstruction for I-94 interchange, and bridge replacement of 2 structures spanning I-94. Inspected all concrete incorporated into the bridge reconstruction including a Bridge Deck concrete using Non-Shrinkage Reducing Admixture.

Zach Barrie

Role
Materials QA Technician

Education
- B.S. Michigan State University

Professional Registrations & Certifications
- IDOT PCC Level I/II
- IDOT HMA Level I/II/III
- IDOT Aggregate Technician (5-Day)
- IDOT S-33 Soils
- IDOT Nuclear Density Technician
- ACI Concrete Field Testing Technician – Grade I
- Railway Safety Class
- ICC Bolting Inspection
- ICC Soil Inspection
- IDOT Documentation of Contract Quantities (15-10238) Exp. 12/10/2019

MUNICIPAL QA PROJECT EXPERIENCE

Village of Deerfield, Contract 63882
Deerfield Road Reconstruction, Waukegan Rd to US 41
Material Solutions Laboratory is the Quality Assurance Manager (QA) and Laboratory for the Village of Deerfield on this $18.1 Million contract. The project consisted of HMA resurfacing, pavement patching, Full depth HMA, jointed PCC pavement, curb and gutter, and sidewalk. The project also included bridge resurfacing of Middle and West Fork of the North Branch of Chicago River and superstructure replacement of Deerfield Road over Berkeley Road. MSL Technicians were responsible for all field and plant inspection of HMA, PCC and soil testing for this project.

Village of Glen Ellyn, Contract 16009
2017 Kenilworth Avenue – Alley Reconstruction
Material Solutions Laboratory is the Quality Assurance Manager (QA) and Laboratory for the Village of Glen Ellyn on this $1.3 Million contract. The project consisted of roadway reconstruction including HMA pavement, driveways, curb and gutter, alley reconstruction with PCC pavement, and sidewalks. MSL Technicians were responsible for all field and plant inspection of HMA, PCC and soil testing for this project.

City of Naperville, Contract 61C38
Washington Street Bridge Rehabilitation, Washington Street Bridge over the West Branch of the DuPage River
Material Solutions Laboratory is the Quality Assurance Manager (QA) and Laboratory for Naperville on this $2.2 Million contract. The project consisted of bridge pedestrian improvements/widening of the structure to provide pedestrian facilities and new wearing surface on Washington Street Bridge crossing the West Branch of the DuPage River. The work consisted of widening the existing structure to install six-foot wide sidewalks, replacing wing walls, and a five-inch thick PCC wearing surface. MSL Technicians were responsible for all field and plant inspection of HMA, PCC and soil testing for this project.

Village of Lombard, Contract 61A54
Illinois Route 53, Madison Street Intersection Improvement
Material Solutions Laboratory is the Quality Assurance Manager (QA) and Laboratory for the Village of Lombard on this $2.0 Million contract. The project consisted of widening with HMA pavement, pavement resurfacing, curb and gutter, full depth HMA pavement, and sidewalks. MSL Technicians were responsible for all field and plant inspection of HMA, PCC and soil testing for this project.

City of Naperville, Contract 61D76
87th Street Resurfacing, IL-59 to Book Road
Material Solutions Laboratory is the Quality Assurance Manager (QA) and Laboratory for Naperville on this $1.1 Million contract. The project consisted of HMA level binder and surface course, Class D patches, curb and gutter and sidewalk. MSL Technicians were responsible for all field and plant inspection of HMA, PCC and soil testing for this project.

Will County Division of Transportation, Contract 99-00068-06-FP
135th Street, New Avenue to Smith Road Reconstruction
Material Solutions Laboratory is the Quality Assurance Manager (QA) and Laboratory for Will County Division of Transportation on this $8.7 Million contract which includes a five lane cross section with curb and gutter, storm sewer and traffic signal modification. MSL Technicians are responsible for all field and plant inspection of HMA, PCC and soil testing for this project.

DuPage County Stormwater Management, Contract 140401
Flood Control and Re-meander Project
Material Solutions Laboratory acted as the Quality Assurance Manager (QA) and Laboratory for DuPage County Division of Stormwater Management on this $3.9 Million contract which included earth excavation, resurfacing of Second Street and parking areas, along with storm sewer installation. MSL technicians were responsible for all field inspection of HMA, PCC and soil testing for this project.

DuPage County Division of Transportation, Contract 63379
Villa Avenue Reconstruction from Madison St. To St. Charles Road
Material Solutions Laboratory acted as the Quality Assurance Manager (QA) and Laboratory for DuPage County Division of Transportation on this $4.0 Million contract which included roadway PCC pavement, resurfacing, curb and gutter, and sidewalk. MSL technicians were responsible for all field inspection of HMA, PCC and soil testing for this project.

DuPage County/Illinois Department of Transportation, Contract 61A87
Warrenville Rd. over the West Branch of the DuPage River
Material Solutions Laboratory acted as the Quality Assurance Manager (QA) and Laboratory for DuPage County and Illinois Department of Transportation on this $4.5 Million contract which included the complete removal and replacement of the Warrenville Rd. Bridge with a post tensioned deck slab bridge. MSL technicians were responsible for all QA field inspection of HMA, PCC and soil testing for this project.

Kane County Division of Transportation, Contract 63623
Randall Road at U.S Route 20 Intersection Reconstruction
Material Solutions Laboratory acted as the Quality Assurance Manager (QA) and Laboratory for Kane County Division of Transportation on this $2.0 Million contract which included the reconstruction of the intersection of Randall Road at U.S. Route 20. MSL technicians were responsible for all field inspection of HMA, PCC and soil testing for this project.

DuPage County Division of Transportation, Contract 63662
75th St. Bridge over the East Branch of DuPage River
Material Solutions Laboratory acted as the Quality Assurance Manager (QA) and Laboratory for DuPage County Division of Transportation on this $1.7 Million contract which included the replacement of the existing three span concrete deck beam bridge with new concrete deck beams, form concrete repair, and 5" concrete bridge deck wearing surface. Project also consisted of HMA pavement resurfacing from Green Road to IL 53.

DuPage County Division of Transportation, Contract 63335
Various Resurfacing Projects
Material Solutions Laboratory acted as the Quality Assurance Manager (QA) and Laboratory for DuPage County Division of Transportation on this $3.4 Million contract which included HMA resurfacing, curb and gutter, and pavement patching. This work was performed on Gary Ave., Naperville Rd., Lemont Rd., Ferry Rd., and Diehl Road. MSL technicians were responsible for all field inspection of HMA, PCC and soil testing for this project.

Will County Division of Transportation, Contract 63156
88th Ave. over Forked Creek
Material Solutions Laboratory acted as the Quality Assurance Manager (QA) and Laboratory for Will County Division of Transportation on this $4.0 Million contract which included the construction of a single-span, open abutment bridge, embankment, and full depth HMA pavement of 88th Street. MSL technicians were responsible for all field inspection of HMA, PCC and soil testing for this project.

Will County Division of Transportation, Contract 63597
Gougar Road at U.S. Route 30
Material Solutions Laboratory acted as the Quality Assurance Manager (QA) and Laboratory for Will County Division of Transportation on this $1.1 Million contract which included the widening and resurfacing of Gougar Road, Curb and Gutter, and median reconstruction. MSL technicians were responsible for all field inspection of HMA, PCC and soil testing for this project.

MSL
Material Solutions Laboratory
1040 Beauventure Dr. Elk Grove Village, IL 60007
O: 847.466.7216 F: 847-285-1712

IDOT PTB - PROJECT EXPERIENCE

Material Solutions Laboratory (MSL) is an IDOT DBE certified Professional Civil Engineering Firm located in Elk Grove Village, IL. MSL provides complete Field and Laboratory QA Materials Testing for Aggregates, Portland Cement Concrete, Hot Mix Asphalt, Soils and is prequalified in construction inspection. MSL has quickly risen to be considered one of the top construction material testing firms in Northern Illinois specializing in road transportation projects.

To help facilitate the successful completion of these projects, MSL works with the Phase III consultant, IDOT Construction and Materials, and the contractor to clearly define the responsibility and expectations of each party before the contract begins. As the quality assurance manager we work closely with quality control personnel to make sure both HMA and PCC QC plans are submitted without errors or omissions. MSL believes a well constructed QC plan at the beginning of the project will eliminate possible mistakes and delays in work. All QA material technicians will have copies of QC plans to ensure all material incorporated into the work is approved, and the QC inspectors assigned to the project are qualified. MSL also understands the importance of contract documentation and timely submittal of material inspection paperwork. MSL's policy is to electronically submit all required field QA documentation within 24 hours of field inspection or completion of laboratory tests using IDOT's QC/QA Package. MSL's staff will review quality control paperwork throughout the project so that at completion it can be easily finalized without any material inspection deficiencies.

During the last six construction seasons, MSL has tested over 800 QA HMA and aggregate SPLIT samples for IDOT construction projects. This included the inspection and testing for over 260,000 tons of SMA paved under the "Pay for Performance" special provision. MSL has also been the lead quality assurance laboratory for IDOT on over 15 bridges, including 3 bridges for the Circle Interchange project. One of the 3 bridges included the Peoria Street Bridge which was IDOT District One's first use of pre-cast panels using ultra high performance concrete.

Bridge Reconstruction Projects

1. PTB 182-05 – Circle Interchange, Van Buren St. Bridge
2. PTB 179-09 – Circle Interchange, I-290 WB Mainline
3. PTB 176-09 – I-90/94 at I-290, Taylor St. and Mainline
4. PTB 173-08 – IL 171 from 47th St. to 55th St.
5. PTB 173-07 – I-90/I-190 at Cumberland Ave. Flyover
6. PTB 173-02 – Circle Interchange, Taylor St. and Mainline
7. PTB 172-01 – I-55, I-94 to US 41 Outbound Bridges
8. PTB 168-13 – Circle Interchange, Peoria/Morgan Bridges
9. PTB 168-01 – US 30 at CN Railroad (Grade Separation)
10. PTB 167-16 – I-94 at Stony Island Interchange
11. PTB 167-03 – Cumberland Ave Bridge over I-90
12. PTB 152-01 – Mannheim Road Bridge over Soo Line RR

Roadway Reconstruction Projects

1. PTB 178-09 – US 45 Milburn Bypass
2. PTB 164-02 – I-57 at Stuenkel Road Interchange
3. PTB 161-07 – IL-31 at IL-176 Intersection
4. PTB 158-05 – US-21 (Milwaukee Avenue) Reconstruction
5. PTB 156-06 – I-190 at I-294 Pump Station #24
6. PTB 154-03 – US-45 (Lake Avenue) Reconstruction

Expressway Resurfacing Projects

1. PTB 180-06 – Stevenson Expressway Resurfacing
2. PTB 180-10 – Various Construction Inspection
3. PTB 165-07 – I-190, I-90 to O'Hare Airport
4. PTB 173-09 – US 12, Lake Cook Rd. to Golf Rd.
5. PTB 159-05 – I-80 Resurfacing and Bridge Rehabilitation
6. PTB 158-11 – I-55 (Stevenson Expressway) Resurfacing
7. PTB 154-02 – I-290 from I-94 to I-294 Resurfacing
8. PTB 153-29 – I-57 from I-80 to 175th St. Resurfacing

Material Testing On-Call Projects

1. PTB 163-20 – 2012 Sub Consultant
2. PTB 167-17 – 2013 Prime Consultant
3. PTB 171-01 – 2014 Sub Consultant
4. PTB 175-04 – 2015 Sub Consultant
5. PTB 175-19 – 2015 Sub Consultant District 2
6. PTB 177-01 – 2015 Prime Consultant
7. PTB 179-10 – 2016 Sub Consultant
8. PTB 181-02 – 2016 Sub Consultant

Illinois Department of Transportation

Division of Highways / Region 1 / District 1
201 West Center Court / Schaumburg, Illinois / 60196-1096
Telephone 847/705-4000

Bureau of Construction
Interim Consultant Performance Evaluation
District One
PTB No. 150/004

June 27, 2011

Mr. Delano E. Brazil, P.E.
President/CEO
Apex Consulting Engineers, LLC
111 E. Wacker Drive
Suite 520
Chicago, IL 60601

Dear Mr. Brazil:

We are forwarding a copy of the Interim Consultant Performance Evaluation for Construction Inspection work your firm has performed for the Department on the following project.

Various Routes

This interim evaluation is for your information only and is intended to inform you of our evaluation of your firm's performance for the duration of this project. The evaluation is self-explanatory and includes ratings for the various listed subtasks, as appropriate.

Based on our evaluation, we have given your firm a Good rating for the work your firm performed. We are pleased to have the opportunity to advise a consultant that their performance has been assessed at this level. We hope to continue to see your firm's work rated at this level in the future.

If you have any questions or need additional information, please contact Ms. Ann Berube, Area Construction Supervisor, at (847) 705-4260.

Very truly yours,

Carmen W. Iacullo
Assistant to the Region One Engineer

Ann E Berube

By:
Ann Berube, P.E.
Area Construction Supervisor

Illinois Department of Transportation

Phase III Consultant Evaluations

Evaluation Date: 06/01/2011 **Annual or Milestone Evaluation:** Annual

Type Evaluation: Interim **Office:** Construction

Evaluator: Ann Berube **Job #:** C-91-190-09

Prime Consultant: APEX CONSULTING ENGINEERS, L.L.C.

PTB: 150 **Item:** 004 **Sublet:**

Route: VARIOUS **County**

Phase: III **District:** DIST-1 **Total Fee:** $1,000,000.00

Description: Construction Inspection in various locations in District One.

List Prime's Key Personnel:

Hussein Hayder	Inspector
Lan Nguyen	Inspector
Larry Webb	Inspector
Mike Peterson	Inspector
Nikola Scekic	Inspector
Syed Ishag	Inspector
Vu Nguyen	Inspector
Celerino Gabriel	Inspector
Dwayne Ferguson	Inspector
Greg Ferraro	Project Manager

Prime's Overall Evaluation: Good

Prequalification Categories:		**Old Str #**	**New Str #**	**Dual Old Str #**	**Dual New Str #**
CONSTRUCTION INSPECTION	Good				

Fatal Flaws:

Did the consultant

Display inappropriate behavior in dealing with the public or contractor?	No
Provide false information in the project documentation?	No
Cause the project completion date to be extended due to not providing requested layout or inspection in a timely manner?	No

Rated By. _____ District/Bureau: 1/Construction Rated Date: _____

Reviewed By: Ann Berube Position: GE III Reviewed Date: 6-24-11

Concur: _____ Regional Engineer _____ Date: _____

Prime Consultant: APEX CONSULTING ENGINEERS, L.L.C. PTB: 150 Item: 004

Timeliness: Good

Comments on Strengths/Weaknesses in Timeliness:

Consistedly coordinated with the contractor to provide required layout and/or inspection with little or no dealy to the contractor.

Completeness: Good

Comments on Strengths/Weaknesses in Completeness:

Consistently completed inspection and required layout with little or no deviation from current IDOT manuals, policies and procedures. All documentation was completed in accordance with the Project Procedures Guide.

Quality & Accuracy: Good

Comments on Strengths/Weaknesses in Quality & Accuracy:

Presentation of material was clear, concise, and adequate. Minumal departmental hours were spent in review of project documentation.

Cooperation & Project Management: Good

Comments on Strengths/Weaknesses in Cooperation and Management:

The consultant was self managed most of the time. They assigned personnel to the project to complete it on time. Initiated open and timely communications.

Public/Agency Coordination: N/A

Comments on Strengths/Weaknesses in Public/Agency Coordination:

Innovation: Satisfactory

Comments on Strengths/Weaknesses in Innovation:

Presented standard approaches to problems and concerns as they occurred.

Comments on Consultant's Overall Performance

Apex provided some excellent staff to assist IDOT construction staff with numerous projects.

QUALIFICATIONS FOR

VILLAGE OF BENSENVILLE

Civil Engineering Services



Submitted by:

Baxter & Woodman, Inc.

Consulting Engineers

www.baxterwoodman.com

October 19, 2017

BAXTER & WOODMAN
Consulting Engineers

8430 W Bryn Mawr Ave., Suite 400, Chicago, Illinois 60631 · 815.459.1260 · baxterwoodman.com

October 19, 2017

Mr. Joseph M. Caracci, PE
Director of Public Works
Village of Bensenville - Public Works
717 E. Jefferson Street
Bensenville, Illinois 60106

Subject: ***Village of Bensenville - Qualifications for Civil Engineering Services Short-Lists***

Dear Mr. Caracci:

The Village of Bensenville is establishing a short-list of civil engineering consultants to perform design engineering, stormwater engineering, wastewater related improvements, and resident engineering. Baxter & Woodman, Inc. is very interested in providing services for all four categories to the Village.

The Village of Bensenville will receive...

- **Timely, Reliable, and Responsive Service:** Baxter & Woodman has specialized in serving the public sector and their engineering needs since 1946. Our team has the developed staff, resources, and training to provide the full range of engineering services required by local communities, counties, and local agencies. We have assigned Sean O'Dell, PE as the Village's main contact. He is at the forefront of infrastructure rehabilitation techniques and is currently working on new methods to line lead water services in Illinois. Sean is an effective communicators and will work closely with Village staff to confirm we are meeting and or exceeding your expectations for quality service.

- **Proven Track Record:** We have provided the Village with over a decade of reliable pretreatment services. We also assisted the Village with the completion of Irving Park & York Road Water Main Replacement, Green Street Resurfacing, and Water & Sewer Rate Study Update. We will continue to provide you with the engineering services and added value that results in safe and efficient designs and keeps construction schedules moving forward.

- **Team with Established IDOT & IEPA Relationships:** Because we regularly work closely with IDOT staff, they are familiar with the expert quality and thoroughness of our plans and specifications. This strong working relationship allows us to work with IDOT to offer innovative solutions that can positively affect your projects' progress and cost. We currently serve as Program Manager for Phase II projects in the District One Bureau of Design. Routine submittals and IEPA involvement with our design work has earned Baxter & Woodman a solid reputation for providing high quality design solutions. Our IEPA relationship allows us to work with the regulators to develop cost-effective solutions for our municipal clients.

Sean will serve as the Village's contact person for these submittals and the subsequent work assignments (if awarded). As a principal of the firm, I have the authority to commit staffing and resources in accordance with Village needs and contractual requirements.

Most of the Village of Bensenville's projects will be coordinated out of our Chicago office:

Baxter & Woodman, Inc. Consulting Engineers
8430 West Bryn Mawr Avenue, Suite 400
Chicago, Illinois 60631
Contact Person: Sean O'Dell
Cell Phone: 815-482-7853 *available 24/7*

Please contact Sean with any questions you may have. The Baxter & Woodman team looks forward to assisting the Village of Bensenville.

Sincerely,

BAXTER & WOODMAN, INC.
CONSULTING ENGINEERS

John V. Ambrose, PE
President/CEO

JVA:jmp

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The strength of Baxter & Woodman is our people and our purpose. Building community value with every project we do is the force that drives us, and our fundamental core values are the principles we live by . . .

1. CONSULTANT EVALUATION FORM

Page 21 of 28

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 5/8/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Risk Strategies Company 650 Dundee Road Suite 170 Northbrook IL 60062	**CONTACT NAME:** **PHONE (A/C, No, Ext):** (847) 412-1414 **FAX (A/C, No):** **E-MAIL ADDRESS:**
INSURED BAXTER & WOODMAN, INC 8678 RIDGEFIELD ROAD CRYSTAL LAKE IL 60012	**INSURER(S) AFFORDING COVERAGE** / **NAIC #** INSURER A : Valley Forge Ins Co / 20508 INSURER B : Continental Insurance Company INSURER C : Transportation Insurance Company INSURER D : Continental Casualty Company INSURER E : INSURER F :

COVERAGES **CERTIFICATE NUMBER:** CL1711326810 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE / X OCCUR X primary/non contributory X subj to written contract GEN'L AGGREGATE LIMIT APPLIES PER: POLICY / X PRO-JECT / LOC OTHER:			6045872351	1/1/2017	1/1/2018	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 1,000,000 $ 15,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
A	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS / SCHEDULED AUTOS X HIRED AUTOS / X NON-OWNED AUTOS			6045872348	1/1/2017	1/1/2018	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
B	X UMBRELLA LIAB / X OCCUR EXCESS LIAB / CLAIMS-MADE DED / RETENTION $			6045872365	1/1/2017	1/1/2018	EACH OCCURRENCE AGGREGATE	$ 5,000,000 $ 5,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		6045872379	1/1/2017	1/1/2018	X PER STATUTE / OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000
D	Professional Liability			AEH591900841	5/15/2016	1/1/2018	Per Claim Aggregate	$5,000,000 $5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: All Projects of the named insured subject to policy terms & conditions.

CERTIFICATE HOLDER

Baxter & Woodman, Inc.
8678 Ridgefield Rd.
Crystal Lake, IL 60012

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Michael Christian/ELR MB Christian

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INS025 (201401)

LITIGATION

Lawsuits filed against Baxter & Woodman, concerning services rendered from January 1, 2012 to present:

1.	*Case Name*	**DeRusha vs Glasder Buildings, Inc., Baxter & Woodman, Inc., and County of McHenry**
	Case #	12 LA 158
	Court	22nd Judicial Circuit, McHenry, IL
	Basis	Property owner suffered property damage due to flooding from recently built subdivision.
	Outcome	**Inactive:** Dismissed with prejudice on March 19, 2013.

2.	*Case Name*	**Brian Dougherty and Nicola Dougherty vs AMEC Environment, et al.**
	Case #	14 L 12107
	Court	Circuit Court of Cook County, IL
	Basis	Baxter & Woodman, Inc. provided construction services for the Tollway, but not the project where the personal injury of the case occurred.
	Outcome	**Inactive:** Dismissed on January 20, 2015.

3.	*Case Name*	**Collins vs Trine Construction Corp., USIC Locating Servics, NICOR Gas Co., and Village of Park Forest**
	Case #	12 LA 1934
	Court	Circuit Court of Cook County, IL
	Basis	Gas explosion in a duplex resulted in personal injuries and total loss of property.
	Outcome	**Inactive:** Dismissed on December 4, 2014.

4.	*Case Name*	**Sherrie D. W. Lester vs Central Blacktop Co., et al**
	Case #	14 L 747
	Court	18th Judicial Court of DuPage County, IL
	Basis	Ms. Lester fell off her bicycle on a project in DuPage County, IL for which Baxter & Woodman, Inc. provided construction engineering services.
	Outcome	**Inactive:** Settled on July 8, 2015. Baxter & Woodman paid $2,500.

5.	*Case Name*	**Thorn Creek Basin Sanitary District vs Baxter & Woodman, Inc.**
	Case #	15 M 3345
	Court	Circuit Court of Cook County, IL
	Basis	Alleges recommendations made by Baxter & Woodman to install a system for sulfide corrosion control of wastewater pipes were ineffective.
	Outcome	**Inactive:** Case dismissed.

6.	*Case Name*	**Village of Itasca vs Baxter & Woodman, Inc. and Baxter & Woodman Control Systems Integration, LLC**
	Case #	15 L 134
	Court	18th Judicial Court of DuPage County, IL
	Basis	Baxter & Woodman stands by our engineering design. During construction, start-up and continuing for the past two years, Baxter & Woodman engineers have worked together with the Itasca wastewater operators to make adjustments to the operations and equipment at the new wastewater treatment facility.
	Outcome	**Ongoing:** An Answer to the Complaint has been filed. The parties involved are cooperatively working toward a productive mediation.

7.	*Case Name*	**Richard Klein vs K-5 Construction Corp., the Village of Park Forest, and Baxter & Woodman, Inc.**
	Case #	14 L 3131
	Court	Circuit Court of Cook County, IL
	Basis	Mr. Klein fell off his bicycle on a project in Park Forest, IL for which Baxter & Woodman, Inc. provided design and construction engineering services.
	Outcome	**Inactive:** Settled on May 3, 2016. Baxter & Woodman paid $7,400.

8.	*Case Name*	**Nichols vs Berles, Curran Contracting Co., Maintenance Coatings Co., and Baxter & Woodman, Inc.**
	Case #	12 LA 99
	Court	12th Judicial Circuit, McHenry County, IL
	Basis	A worker was killed on an IDOT construction project on IL 47 in Woodstock, IL. Baxter & Woodman, Inc. provided design phase services for the project.
	Outcome	**Inactive:** Baxter & Woodman dismissed on August 13, 2014. Upon appeal by the plaintiff, the Appellate Court affirmed Baxter & Woodman's dismissal on September 15, 2015.

2. STATEMENT OF QUALIFICATIONS

ILLINOIS DEPARTMENT OF TRANSPORTATION PREQUALIFICATION

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

November 21, 2016

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

John Ambrose
BAXTER & WOODMAN, INC.
8678 Ridgefield Road
Crystal Lake, IL 60012

Dear John Ambrose,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $44,800,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 144.80% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR BAXTER & WOODMAN, INC.

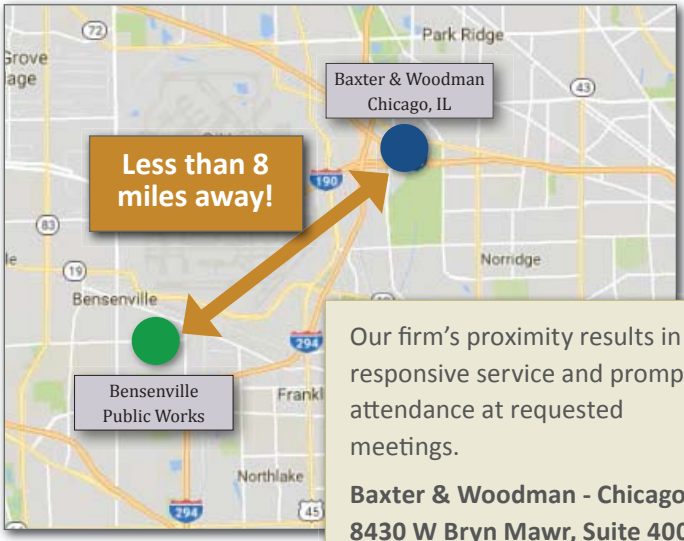
CATEGORY	STATUS
Special Services - Mechanical	X
Special Studies - Traffic Signals	X
Highways - Roads and Streets	X
Special Services - Sanitary	X
Structures - Highway: Typical	X
Special Services - Surveying	X
Hydraulic Reports - Pump Stations	X
Special Services - Construction Inspection	X
Hydraulic Reports - Waterways: Typical	X
Special Studies - Pump Stations	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Special Services - Electrical Engineering	X
Special Studies - Location Drainage	X
Location Design Studies - Rehabilitation	X
Special Studies - Traffic Studies	X
Special Studies - Safety	X
Location Design Studies - New Construction/Major Reconstruction	X
Hydraulic Reports - Waterways: Complex	X
Highways - Freeways	X
Special Studies - Feasibility	X
Structures - Highway: Simple	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

FIRM OVERVIEW

Founded in 1946, Baxter & Woodman is a forward-thinking civil engineering firm dedicated to combining sound engineering practices with emerging technologies to provide sustainable, innovative solutions.

Baxter & Woodman's proposed team members are primarily based from our **Chicago location**. We are committed to serving Bensenville with a **local workforce** and will assign expertise on a project-by-project basis to provide you with the **responsive service** you require.



Our firm's proximity results in responsive service and prompt attendance at requested meetings.

Baxter & Woodman - Chicago
8430 W Bryn Mawr, Suite 400
Chicago, Illinois 60631

BAXTER & WOODMAN STAFF INCLUDES:			
STAFF MEMBERS 239	TRANSPORTATION 41	STRUCTURAL 4	CADD 15
	STORMWATER 18	ELECTRICAL 3	SURVEY 4
	WATER/WASTEWATER 31	GEOLOGIST 1	GIS 5
	CONSTRUCTION 41	INFRASTRUCTURE 11	SCADA/CONTROLS 21



WORKING WITH BENSENVILLE SINCE **1984**



40+ TRANSPORTATION-FOCUSED STAFF



LAST 5 YRS, OVER **200** PROJECTS W/ PUBLIC ENGAGEMENT



HELPED OUR CLIENTS SECURE **$210M+** IN LAST 10 YEARS

Baxter & Woodman's staff of 235+ professionals have provided municipal engineering services to more than 500 communities, counties, and sanitary districts during our 70 years of business.

We offer a **full range of municipal services** from project inception to construction close-out. All necessary engineering services are provided in-house with the exception of geotechnical engineering.

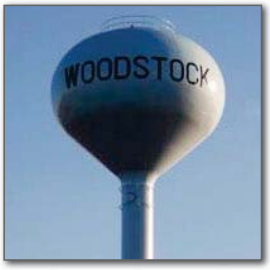




Transportation



Stormwater



Water



Wastewater



Infrastructure



Bridges/Structures



Environmental



Sustainability



Electrical



Lighting



Survey



Construction



Public Outreach



GIS



Automation/Controls



Grants/Funding

BEYOND THE BASICS

IDOT COORDINATION



IDOT staff knows our firm and the high standard of our work. Baxter & Woodman has completed numerous projects that required IDOT involvement, reviews, and approvals, which will streamline the processing of the Village's submittal.

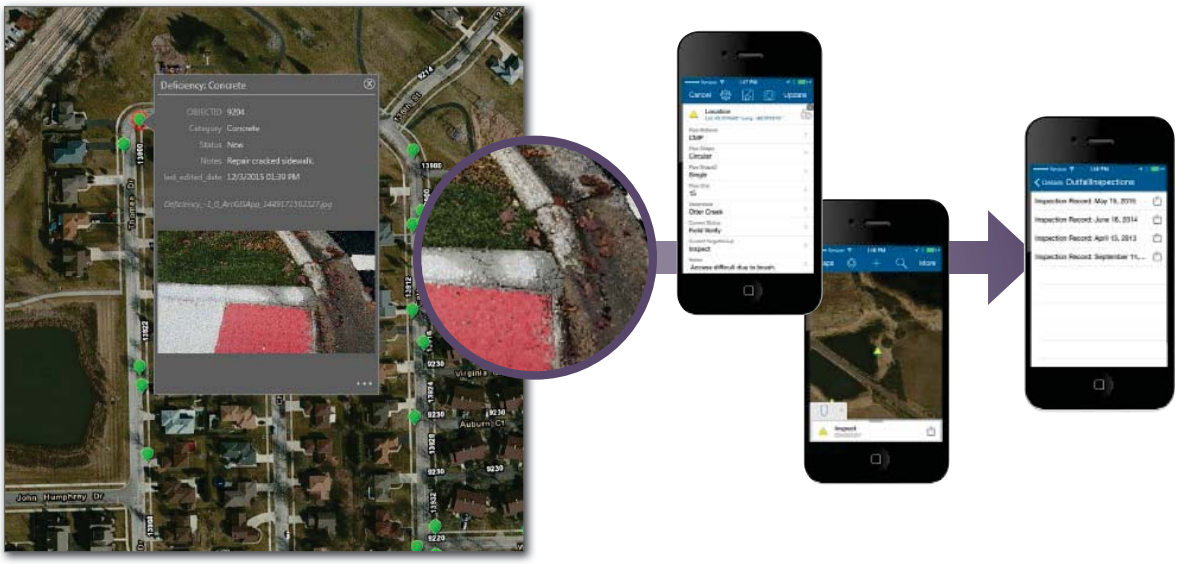
We have **staff onsite assisting IDOT District One personnel** with:

- Program Management of local agency MFT and federally funded projects
- Special Waste Assessment Coordination
- Utility Coordination

MOBILE TECHNOLOGY & DATA COLLECTION

Baxter & Woodman is at the forefront of using technology to improve GIS data collection and accessibility for improved communication and efficiency. Some examples include:

- GIS/GPS technology to **collect the locations and other desired features**, such as upgraded street lighting, detector loop locations, handholes, signage, and more for incorporation into the Village's system.
- A web-based mobile application, which allows the contractor and the Village to **easily track punch list items** during construction. This provides streamlined coordination with real-time, two-way communication synced to your GIS.



WATER/WASTEWATER REGULATORY KNOWLEDGE



Baxter & Woodman has a demonstrated record of cooperative work with local, state, and federal regulatory agencies. Our staff stays up-to-date on the latest information and develops targeted programs to help communities **comply with regulatory requirements**.

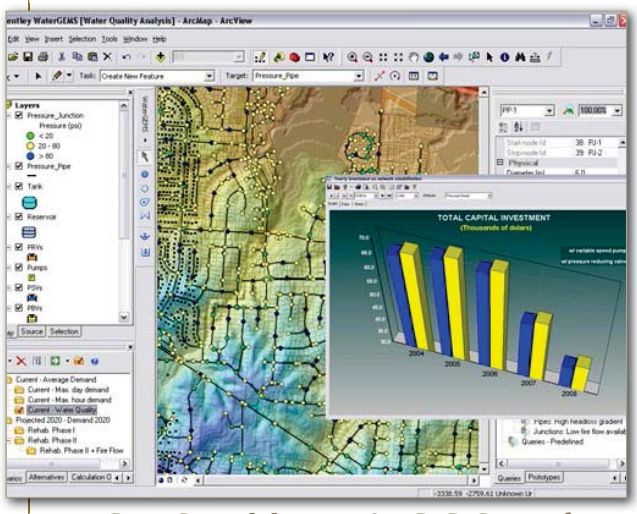
Baxter & Woodman engineers routinely participate on technical committees, attend association meetings, and monitor legislation that could impact municipal projects. For example:

- We are staying on top of the impending IEMA Radium regulation that may add licensure to water plants that have radium in the source water.
- We are also closely following the rule changes that IEPA and USEPA are proposing regarding lead - in particular, the full replacement of lead services.

As recognized experts, our staff members regularly present seminars and workshops on municipal-specific trending topics, such as pretreatment programs, CMOM plans, NPDES programs, and water quality initiatives.

WATER SYSTEM MODELING

Baxter & Woodman has prepared **water models** for numerous municipalities and currently manages and updates models for many of our clients. A water model is an important tool to help manage and evaluate your water system infrastructure.



WaterGEMS model using ARC-GIS Interface

A water model is a computerized representation of all the components of your water system, including water mains, pumping stations, storage reservoirs, and elevated towers. Once the model is built and calibrated it can be used to run simulations and evaluate existing and future conditions within your distribution system. "What If" scenarios can be easily evaluated, such as when the pumping station is out of service while looking at the overall operation of the system. A water model can also be used to help build a water main replacement program.

ENERGY PERFORMANCE CONTRACTING

Baxter & Woodman has employed **performance contracting** to fund a variety of facility-wide energy reduction projects. Performance contracting is an innovative private–public partnership focused on planning, delivering and guaranteeing cost savings for water and wastewater systems by reducing energy consumption and streamlining operations. The process consists of three major steps:

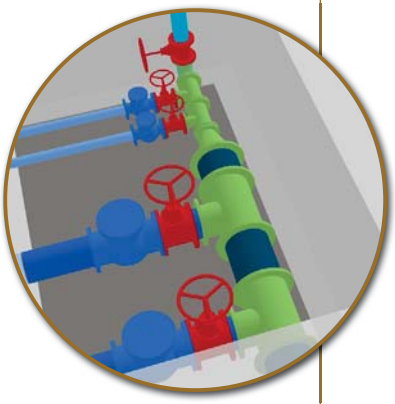
1. Identify energy and operational inefficiencies and quantify them.
2. Redirect existing energy and operational spending (based on identified inefficiencies) into renovations.
3. Construct the improvements and have qualified Energy Services Company (ESCO) financially guarantee the results.

Baxter & Woodman is providing engineering and technology services on Energy Performance Contracts for:

- Schaumburg
- Oak Forest
- Decatur
- Mundelein

3D PROJECT VISUALS

Baxter & Woodman utilizes a variety of software (AutoCAD MEP 3D, SketchUp, etc) to produce **3D project renderings**, which results in enhanced input during design. This allows the Village, your staff, and the public to see the final product before it is constructed. During progress meetings, these representations can be used to visualize the project layout and discuss your comments. Accurate drawings can also save you money by allowing for easy identification of conflicts and elimination of potential change orders. These can also be used at public information meetings to help gain the community's support for projects.



These are some examples of renderings Baxter & Woodman prepared for various projects.





DRONE IMAGERY

Baxter & Woodman has commercially certified drone pilots and drone industry experts on staff. Drones can collect a wide variety of useful imagery for varying applications. Drones can take photos and videos to help monitor project progress, collect ortho-imagery (for mapping), and even conduct inspection work. Some cameras are capable of taking 36 megapixel images, providing 1mm resolution ortho-mosaics and 4k video.

These pictures and videos can also be used to provide the public with an interactive and interesting way to see the progress of the project!



Baxter & Woodman drone footage from a WWTP flyover, construction project, and traffic analysis.

WATER ACCOUNTABILITY PORTAL

A **water accountability portal** is essentially a browser-based (not the public Internet) way for Village staff and management to review water-related (financial and operational) data in a safe,centralized, read-only area.

The sample screenshot shown on the right highlights SCADA, power, water billing, and GIS-related data - all in one location!



PROACTIVE PUBLIC OUTREACH

Baxter & Woodman knows communicating the benefits of a project to stakeholders and managing their expectations is a vital part of any project. Our team is well-versed in an assortment of communication tools that aid in creating the most effective communication strategy for each project.

From public meetings to on-site signage to Twitter updates, our staff is able to successfully utilize these tools to coordinate and promote positive public involvement.



- Public Engagement Web Portals ***(see GIS section for example)***
- Public Meetings/Open Houses
- Social Media: Twitter, Facebook
- Project Websites
- Fixed/Mobile Webcams
- Project Blogs
- Phone Hot Lines
- Door Hangers/Informational Fliers
- Construction Signage
- Changeable Message Boards









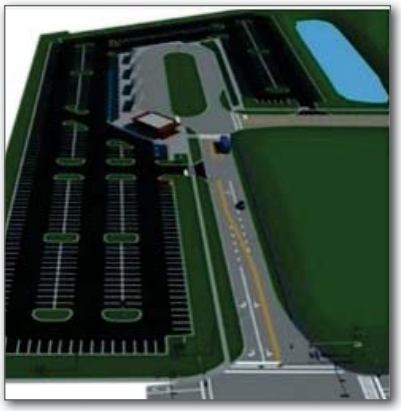
SUMMARY OF PROJECTS

Baxter & Woodman serves more than 250 communities from A to Z with a full range of engineering and technology expertise. Below is a **partial listing of services** Baxter & Woodman has provided to various clients, including the Village of Bensenville:

COMMUNITY	Municipal Engineer/ Program Management	Transportation	Water Supply & Treatment	Wastewater Collection & Treatment	Infrastructure (water main, sewer)	Bridges/Structures	Bridge Inspections/Reports	Stormwater Management	Booster/Lift Stations	I/I, SSES, & CSO Investigation	Operations Assistance	Development Review	GIS/SCADA/ Info Technology	Surveys/Plats	Construction Engineering	Funding/Grant Assistance
Algonquin Township		●				●	●							●	●	
Barrington			●	●	●	●	●	●	●	●		●	●	●	●	
Beecher	●	●	●	●	●	●		●				●		●	●	●
Bensenville		●	●	●	●						●			●	●	
Buffalo Grove		●	●			●	●	●			●		●	●	●	●
Bull Valley	●	●				●	●	●						●	●	●
Carol Stream			●	●	●				●		●			●	●	●
Carpentersville		●	●		●	●		●					●	●	●	●
Cary	●	●	●	●	●	●		●	●	●		●	●	●	●	●
Chicago		●			●									●	●	
Country Club Hills	●	●	●		●	●	●	●		●		●	●	●	●	●
Crystal Lake		●	●	●	●				●				●	●	●	●
DeKalb		●	●		●	●	●	●	●				●	●	●	
Elgin		●			●			●	●	●		●	●	●	●	●
Fox River Grove		●	●	●	●	●		●			●		●	●	●	
Frankfort		●				●								●	●	
Franklin Park		●	●		●	●	●	●	●				●	●	●	●
Geneva					●				●					●	●	
Gilberts	●	●	●	●		●	●	●			●	●	●	●	●	●
Glenview	●	●	●	●	●			●		●	●	●	●	●	●	●
Grayslake	●	●	●		●	●		●	●	●	●	●	●	●	●	●
Gurnee		●	●		●	●		●						●	●	
Highwood	●	●	●		●			●				●	●	●	●	●
Hoffman Estates					●			●		●			●	●	●	
Illinois Department of Transportation	●	●				●								●	●	
Kenilworth	●	●	●		●		●	●	●			●	●	●	●	●
LaGrange	●	●	●		●			●	●			●	●	●	●	●
Lake in the Hills			●		●						●		●	●	●	
Lakewood	●	●	●	●	●	●	●	●			●		●	●	●	●
Lisle		●			●									●	●	
Lombard		●	●		●				●				●	●	●	
McHenry		●	●	●	●	●	●	●					●	●	●	
McHenry County		●				●		●						●	●	
McHenry County Conservation District		●					●						●	●	●	●
Morrison		●	●	●	●								●	●	●	●
Mount Prospect		●			●			●		●			●	●	●	
Oak Forest	●	●	●		●	●	●						●	●	●	●
Oak Park		●	●		●					●	●		●	●	●	
Olympia Fields		●						●		●		●		●	●	
Oswego		●												●	●	
Palatine			●				●	●	●					●	●	
Park Forest		●	●		●	●	●	●		●		●	●	●	●	
Plainfield	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●
Prairie Grove	●	●				●	●	●	●			●	●	●	●	●
Prospect Heights		●	●		●	●	●	●					●	●	●	
River Forest			●		●				●					●	●	●
Rockford		●	●		●			●		●			●	●	●	
Romeoville				●					●		●		●	●	●	●
Round Lake	●	●	●		●	●	●	●	●	●		●	●	●	●	●
Shorewood		●	●		●	●	●	●	●		●	●	●	●	●	●
Skokie		●			●			●						●	●	●
South Elgin	●	●	●		●	●	●	●				●	●	●	●	●
Wheaton Sanitary District		●		●	●											
Will County		●				●	●									
Winnebago County		●				●	●							●	●	
Winnetka						●		●						●	●	
Wood Dale	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Woodstock	●	●	●	●	●	●		●	●	●	●	●	●	●	●	
Zion		●			●			●				●		●	●	

Design Engineering - Ranked #1

Baxter & Woodman's transportation projects focus on environmental awareness, cost-effective solutions, and sensitivity to community issues. From shared use bike/pedestrian paths to roundabout designs to multiple-lane highway reconstruction projects, we help clients meet their individual project goals. We assume a proactive approach to each project and routinely prepare funding applications for state and federal monies. Our transportation projects are in compliance with IDOT/WisDOT regulations and compatible with various funding sources.



Pace Park-n-Ride Design Concept, Plainfield, IL

Our transportation design project experience includes:

Planning

- Intersection Design Studies
- Pavement Management Reports
- Traffic Studies
- Capital Improvement Plans
- Loan/Grant Applications
- Wetland Mitigation
- Federal Phase I Studies
- Transportation/Corridor Plans

Construction Management

- Full and Part Time Inspection
- Surveying and Staking
- Contractor Pay Request Verification
- Social Media Project Management
- Federal Phase III Construction
- Public Relations Campaigns

Design

- Streetscape & Roadside Beautification
- Street Lighting
- Bicycle Paths & Sidewalk Installation
- Complete Street Reconstruction
- Program Management Services
- Highways
- Intersection Capacity Improvements
- Public Involvement/Consensus Building
- Pavement Recycling
- Roadway Widening & Resurfacing
- Traffic Signal Installation/Roundabouts
- Sustainable Street & Parking Lot Design
- Bridges, Culverts & Retaining Walls
- Preparation of Right-of-Way Plats
- Storm Sewers and Drainage Design
- Traffic Control/Pavement Marking
- Federal Phase II Plan Preparation



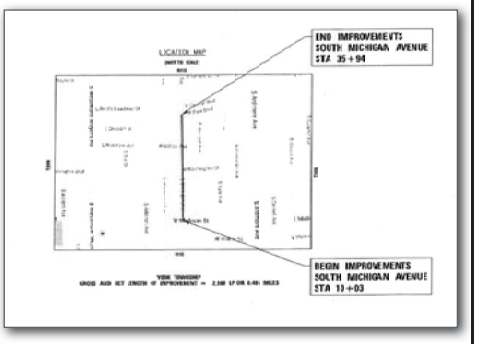
Dewes Henley Harlem Roadway and Drainage Improvements, Glenview, IL



Cicero Avenue Lighting Improvements, Oak Forest, IL

Project / Client	Waukegan and Chestnut Intersection Improvements / Village of Glenview
Scope of Work / (Contractor) / Client POC	The work consisted of Phase I, II, & III engineering services for the Waukegan Road and Chestnut Avenue intersection improvements - intersection channelization, utility improvements, ROW acquisition, and traffic signal improvements. The design was based on the IDOT approved Project Development Report. Improvements consisted of widening and resurfacing Waukegan Road and Chestnut Avenue to provide intersection channelization. Improved driveways, curb and gutter, and landscaping were included along the length of the project. Storm sewer, sanitary, and water system improvements were made. Existing lighting was salvaged and relocated as necessary.  As part of this project, adjacent parking lots and accesses were improved for the widening of the roadway. Easements and right-of-way were obtained with plats, appraisals, and negotiations completed within this scope of work. Coordination with the Village, local businesses, and IDOT was ongoing throughout. Alternative strategies to minimize the impacts of right-of-way were developed and examined. The project was funded with STP/STU funds. Phase I, II, & III / Construction & Geotechnical Material Testing, Inc. / Don Owen, Deputy Village Manager (847) 998-9500
Project Team	Matt Washkowiak - QA/QC Reviewer, Jason Fluhr - Project Engineer; John Ambrose - Project Advisor, Chris Baumann - Resident Engineer, Craig Mitchell - Construction Project Manager
Construction Cost / Fee / Year	$2.8M / $504,000 / 2017

Project / Client	Plum Grove Road Improvements / Village of Schaumburg
Scope of Work / (Contractor) / Client POC	Baxter & Woodman provided Phase II design services and right-of-way acquisition services for improvements to Plum Grove Road between Higgins Road and Golf Road, a high volume roadway that links the residential area south of Higgins with the commercial area to the north. The project is funded through the federal Surface Transportation Program. The design included roadway reconstruction, roadway lighting, culvert headwall improvements, three traffic signal designs, sidewalk and bike path improvements, and new storm sewer improvements.  The lighting design consists of photometric analysis and detailed design of this 5-lane roadway for approximately 1 mile. Over 5 new LED lighting units are intended to be installed throughout this corridor and coordinated with a substantial amount of underground utilities along the way. Relocation of ComEd utilities from overhead to underground was also coordinated during the design and construction phase. Extensive coordination with Cook County was required due to complex construction staging. Impacts to the right-of-ways of adjacent commercial businesses were minimized, and provisions were included to maintain driveway access. Portions of the project are under the jurisdiction of multiple agencies. Extensive utility coordination was needed to enable timely relocation of utilities ahead of the reconstruction work, including working with ComEd to protect a buried high-pressure electrical transmission line. Strong project management and communications facilitated the successful design and coordination. Phase II / N/A / Kristen Mehl, PE, Engineering Division Manager (847) 923-6618
Project Team	Matt Washkowiak - QA/QC Reviewer, Jason Fluhr - Project Engineer, Craig Mitchell - Constructability Review
Construction Cost/ Fee/Year	N/A / $506,000 / 2017

Project / Client	South Michigan Avenue Reconstruction / Village of Villa Park
Scope of Work / (Contractor) / Client POC	Baxter & Woodman completed Phase II design engineering services for the locally funded reconstruction of South Michigan Avenue between Park Boulevard and Madison Avenue, approximately 2,600 feet (0.492 miles) in length. Improvements consisted of roadway reconstruction; curb and gutter installation; sidewalk repairs; storm sewer installation, water main repairs, sanitary sewer repairs; driveway replacement; pavement markings; and parkway restoration.  Design engineering services included preparation of design plans, specifications, and cost estimates, traffic control plans, erosion control plans; topographic survey; field evaluations, utility coordination; obtaining a permit from the DuPage County Highway Department and assistance with bidding. Phase II / Orange Crush, LLC / Vydas Juskelis, PE, Director of Public Works (630) 834-8505
Project Team	Tom Slattery - Project Manager, Christine Code - Project Engineer, Lauren Schuld - Project Engineer
Construction Cost / Fee / Year	$1.6M / $85,000 / 2017

Stormwater Engineering - Ranked #2

Our water resources department is committed to helping clients effectively manage stormwater, obtain funding for improvements, and incorporate green infrastructure solutions. From developing comprehensive master drainage plans to designing and planning individual drainage projects, our solutions maximize flood control and enhance water quality…protecting water resources for future generations.

Planning

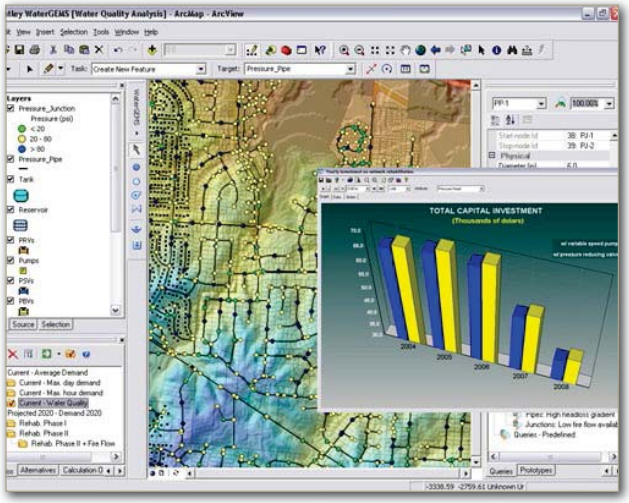
- Drainage Studies
- Hydrologic and Hydraulic Modeling
- Water Quality Modeling
- Comprehensive Stormwater Master Planning
- Stormwater Utilities
- Grant Writing and Funding Application Assistance

Design

- Detention and Infiltration Basins
- Storm Sewer Systems
- Wetland Delineation, Restoration, Enhancement, and Mitigation
- Streambank and Shoreline Stabilization
- Green Infrastructure and Best Management Practices
- Soil Erosion and Sediment Control

Regulatory Assistance

- USACE, DNR, EPA Permitting
- NPDES/WPDES, TMDL, NFIP, and CRS Compliance
- Ordinance Development, Revision, and Enforcement
- Permit Application Review
- Floodplain Map Revision



WaterGEMS using ARC-GIS Interface



StormTrap storage vault in Wescott Park, Northbrook. The nation's largest StormTrap system.



Site Inspections

Project / Client	Wescott Park Storage Facility / Village of Northbrook
Scope of Work / (Contractor) / Client POC ***2017 ACEC - IL Engineering Excellence Special Achievement Award Recipient*** ***Illinois Section of ASCE - Outstanding Civil Engineering Achievement Award Winner***	The Village completed a Master Stormwater Management Plan (MSMP) in August 2011 and an Addendum to the MSMP in April 2012. The proposed regional stormwater detention facility at Wescott Park stood out among all the recommended improvements because of the size of the watershed, the number of properties impacted by flooding, and the magnitude of the preliminary cost estimate, so the Village decided to perform a Refined Study of the project. By adding detail to modeling prepared by a previous consultant and incorporating feedback received from the Park District and Wescott School staff, Baxter & Woodman determined the size (23 acre-feet) and configuration of the proposed detention facility. The Refined Study included: an analysis of alternatives ranging from above ground storage to various configurations of underground storage, cost estimates for each alternative, survey of low-opening elevations of flood prone residences, a benefit-cost analysis using DEC-2, and identification of potential sources of grant funding for the project.  Coordination with the Village, Park District, and School District determined a balance between the required park uses and providing the most cost effective storage solution. The rain harvesting system to irrigate the baseball fields were funded with MWRDGC grant funds. Phase I, II & III / V3 Construction Group, Ltd. / Paul Kendzior, Director of Public Works (847) 546-0962
Project Team	Paul Siegfried - Project Manager/Lead Stormwater Engineer, Jason Fluhr - Project Engineer
Construction Cost/ Fee/Year	$10.8M / $853,000 / 2016

Project / Client	Maple Avenue Relief Sewer / Village of La Grange
Scope of Work / (Contractor) / Client POC	Baxter & Woodman was hired to design a relief sewer through the Village to improve stormwater drainage. The relief sewer is connected to MWRDGC's Deep Tunnel system, and the Village has already completed approximately one mile of the relief sewer. The project included our review of an existing Village-wide drainage report and the design of the next portion of the relief sewer located along Maple Avenue, starting at Bluff Avenue and terminating at 7th Avenue. The proposed relief sewer is a 60-inch RCP pipe to be installed along the approximate center of the Maple Avenue pavement, with junction chambers installed at all intersections for connection of combined and storm sewers along the side streets. The junction chambers also include overflow weirs and restricted outlets to limit the amount of wet weather flow flowing to downstream combined (to be converted to sanitary) sewers. New storm sewers, inlets, catch basins, and manholes are to be installed as part of the Maple Avenue street reconstruction, and will be connected to the new relief sewer. The project also includes the replacement of water main and water service lines, replacement of combined sewer pipe with new sanitary sewer pipe, and restoration will consist of complete road reconstruction.   Phase II & III / A-Lamp Concrete / Ryan Gillingham, Director of Public Works (708) 579-2326 x2423
Project Team	John V. Ambrose - Project Advisor, Sean O'Dell - Project Manager, Steve Verseman - Lead Project Engineer, Derek Wold - Project Engineer, Mike Hudspeth - Electrical Engineer
Construction Cost/ Fee/Year	$2.47M / $172,275 / 2014

Project / Client	Dewes Henley Harlem Drainage Improvements / Village of Glenview
Scope of Work / (Contractor) / Client POC ***APWA Chicago Metro Chapter - Suburban Branch 2016 Project of the Year ($5 Million, but less than $25 Million)***	Baxter & Woodman helped the Village secure a Hazard Mitigation Grant from FEMA for $2,784,000. This grant made it possible for the Village to construct an approximately 13 acre-foot detention basin and 4,650 feet of storm sewer ranging from 12" to 48" in diameter. The proposed detention pond was located on a vacant and unused lot owned by the Church, which had become overgrown with scrub trees and shrubbery. The pond was designed and then restored with aesthetic and sustainable wetland seed mixes, new trees both surrounding the pond and within, and decorative fences as selected by the Village and the adjacent Glenview United Methodist Church. The existing trunk storm sewer within the project limits varied between 48" circular pipe and 48" x 76" elliptical pipe. To provide additional regional storm water detention and conveyance, a 48" storm sewer was designed and installed alongside the existing trunk sewer. The new storm sewer was hydraulically connected at many locations to the existing storm sewers. At intersections, the pipes were connected using structurally designed 18' x 10' junction boxes. In addition, storm sewer inlet capacity was improved within the project limits to further reduce street flooding. To increase capacity, double and even triple inlets were installed at all low points and flood prone areas.  This $8.1 Million project also included complete replacement of the water main distribution system within the project limits to improve water service and fire flows in the area. The aging clay sanitary sewers, manholes, and house services were completely removed and replaced with new PVC sewers and precast concrete manholes. Henley Street, Elm Street, and Dewes Street were fully reconstructed with new aggregate base course, HMA pavement, curb, and gutters. Sidewalks were repaired, including replacement of all curb ramps to meet current ADA standards. Phase II & III / DiMeo Brothers, Inc. / Don Owen, Deputy Village Manager (847) 998-9500
Project Team	Christine Code - Project Engineer, Matt Moffitt - Project Engineer, Emily Grimm - Project Engineer, Lauren Schuld - Project Engineer, Steve Verseman - QA/QC Reviewer
Construction Cost/ Fee/Year	$8.1M / $150,000 / 2015

Wastewater Engineering - Ranked #3

A recognized leader in the field of wastewater collection and treatment in the Midwest, our expertise focuses on nutrient removal, energy reduction and recovery, and saving money through innovative treatment methods and technologies. From aeration energy analyses to combined heat and power designs, to performance contracting and facility automation – our forward-thinking approaches have saved communities millions of kilowatt hours and hundreds of thousands of dollars.



Planning

- Aeration Energy Monitoring/Analysis
- HVAC/Geothermal Energy Analysis
- Combined Heat & Power (CHP) Analysis
- User Rate Studies
- Capacity, Management, Operation & Maintenance (CMOM) Programs
- Facilities Management/Asset Management Systems
- Facilities Planning Reports
- Flow Monitoring Programs & I/I Analysis
- Sewer System Evaluation Surveys & Basement Back Up Reductions
- Sewer System Master Plans
- Water Quality Management Plans
- Phosphorous Removal Planning



Hobson Lift Station, Downers Grove Sanitary District, IL

Design

- Aeration Systems (Turbo Blowers, Diffusers & DO Control with Feed Forward Ammonia Sensors)
- Geothermal Heating/Cooling with Effluent
- Combined Heat and Power Facilities
- Performance Contracting
- Biosolids Management
- Wastewater Pumping Stations
- Wastewater Treatment Facilities



Flow Monitoring Services

Infrastructure

- Sanitary Sewer Extensions
- Sanitary Sewer Rehabilitation Programs
- Sewage Pump Stations & Force Mains

Project / Client	West Park Front Lift Station Replacement / City of Joliet
Scope of Work / (Contractor) / Client POC ***2016 APWA Chicago Metro Chaptmer Project of the Year, Environmental (Less than $5 Million)***	The City's existing pumping station consisted of an underground concrete wet well and a dry pit with a masonry superstructure housing the pump motors and controls. The station had gone through numerous modifications since it was originally constructed in 1957.  The pumping station was replaced with a quadplex submersible pumping station and prefabricated pump house. The new station is designed to transport rags and debris for screening and treatment at the City's wastewater treatment plant to minimize time spend on maintenance. The new pumping station includes our submersible pumps in a cast-in-place concrete wet well; prefabricated control-valve building on a concrete foundation; diesel fueled emergency power generator; site piping, conduits, and drainage improvements; new 36-inch, 12-inch, and 8-inch sanitary sewer construction on pumping station site; site improvements including grading and fill, a concrete gravity retaining wall, a new hot-mix asphalt driveway and parking areas, fencing with gates, and a guard rail; abandonment/ removal of the existing pumping station structures and piping; and restoration of the site with native seed mix. In addition to replacing the City's pumping station, the project also included installing various streambank and stream protection items along Thorne Creek which is immediately north of the station. Severe erosion along the stream was jeopardizing the integrity of infrastructure adjacent to the pumping station, including a sanitary sewer pipe. To improve conditions for the surrounding infrastructure, approximately 190 linear feet of rock toe streambank stabilization was installed; as well as four cubic yards of single-row gabion gaskets; 35 cubic yards of double-row gabion baskets; 80 linear feet of bluff stabilization; a pipe protection cap; and a riffle structure. The riparian zone and natural floodplain areas were seeded with native plants to help stabilize the banks. Phase II & III / Joseph J. Henderson and Sons, Inc. / Allison Swisher, Public Utilities Engineer, (815) 724-4220
Project Team	Sean O'Dell - Project Manager, Derek Wold - Project Advisor, Steve Verseman - Lead Project Engineer
Construction Cost/ Fee/Year	$2.9M / $259,000 / 2014

Project / Client	Phase IB Biological Improvements / Kishwaukee Water Reclamation District
Scope of Work / (Contractor) / Client POC	The project included the following major additions and improvements:  **Raw Sewage Pumping Station** - Within the existing structure, upgraded the existing pumping equipment, electrical equipment, force mains, valves, and other appurtenances to pump the Daily Maximum Flow (DMF) to the new biological process and flow in excess of the DMF to the excess flow facilities. **Primary Clarifiers** - Provided new rectangular or circular primary clarifiers for the full DMF. Provided new primary sludge pumping facilities. **Biological Process** - Provided a new activated sludge process to meet anticipated ammonia limits and a 1.0 mg/L phosphorus limit. Identified improvements to meet a 0.1 and 0.5 mg/L phosphorus limit and potential future total nitrogen limits 8.0 mg/I. Including Digester supernatant, WAS thickening, and dewatering centrate treatment (sidestream treatment) to reduce ammonia load to the activated sludge process. **Secondary Clarifiers** – Provided new circular secondary clarifiers for the full DMF. **Disinfection** – Provided a new UV disinfection system for the full DMF. Provided chlorine disinfection for Excess Flow. **Excess Flow** - Converted three existing primary clarifiers to excess flow clarifiers. **Operations and Electrical building** – New structure for aeration system turbo blowers and RAS/WAS pumps. New electrical switch gear, transfer switch and dual fuel (natural gas and biogas) generator **Primary sludge fermentation facilities** - Produce VFAs for the biological phosphorus removal process. Provided odor control for the fermentation tanks either by covering the tanks or treatment. **SCADA** - A computer-based Supervisory, Control, and Data Acquisition (SCADA) system for monitoring and control of the new facilities. Phase II & III / William Brothers Construction, Inc. / Mark Eddington, District Manager (815) 758-3513
Project Team	Derek Wold - Project Advisor, Amanda Heller - Project Engineer, Mandy Sheposh - Project Engineer, Mike Klein - SCADA
Construction Cost/ Fee/Year	$50M / $2.369M / Design complete 2017 (Construction est. complete 2020)

Resident Engineering - Ranked #4

Baxter & Woodman, Inc.'s construction services department includes degreed professionals and licensed engineers who are available to assist on projects ranging from simple layout to complex heavy construction.

Services Provided:

- Bidding Assistance
- Cost Estimating
- Contract Documentation
- Budget Control
- Contract Administration
- Grant/Funding Documentation
- Construction Observation
- Field Staking/Layout
- Contractor Payment Requests
- Change Orders
- Shop Drawing Reviews
- Record Drawings
- Warranty Work
- Operation and Maintenance Manuals



Montrose Avenue Relief Sewer by micro tunneling technology, Chicago Dept. Water Management



Echelon Paving, DuPage County, IL

Transportation Related Inspection

Our Resident Engineers are IDOT Documentation certified and have the ability to format any project using the ICROS system for project documentation. Baxter & Woodman's Resident Engineers receives training in IDOT Specific Task Training Courses including:

- Pavement Patching
- Concrete Structure
- Piling
- Earth Excavation and Embankment
- Material Inspection
- Storm Sewer Design
- ACI/IDOT Level 1 Concrete Field Technician Certification



Finley Road Rehabilitation, Lombard, IL

Infrastructure Related Inspection

Baxter & Woodman provides day-to-day onsite observation of construction on large water and wastewater infrastructure and treatment facilities of all sizes throughout the Midwest. We are very familiar with the requirements of standard contract documents, special relationships between the client, contractor, and engineer, and techniques unique to heavy construction.

Funding Documentation

We are well versed in all types of funding and the associated paperwork required, including local agency, STP, MFT, CDBG, and other programs.

Project / Client	75th Street & Plainfield, Naperville Road Intersection Improvements / DuPage County Division of Transportation
Scope of Work / (Contractor) / Client POC	Baxter & Woodman provided Phase III construction services for the installation of a right turn lane for both eastbound and westbound 75th Street. A second left turn lane on each leg of 75th street was added to increase the level of service of the intersection. The cross section consists of PCC base course widening overlaid with hot-mix asphalt (HMA). Along with additional turn lanes, traffic signals are being relocated and a new mast arm installed to control turning traffic. New conduit and signal hand holes were added to the contract when field elevations determined a conflict existed with the improvements. Traffic signal loops were installed prior to surface placement. Storm sewer was installed for the drainage of the additional pavement, as well as new curb and gutter. Redesign of the storm sewer in the field was also required due to conflicts with underground utilities. The roadway was milled and overlaid with N90 Polymerized Surface Course. Thermoplastic pavement marking and recessed markers were installed. The project was managed on the ICORS database and followed IDOT Documentation guidelines.  The project was funded with HSIP funds and administered by IDOT. Phase III / “D” Construction, Inc. / Paul Krueger, Chief Highway Engineer (630) 407-6914
Project Team	Craig Mitchell - Project Manager; Jake Holmbeck - Resident Engineer; Melissa Miller - Assistant Resident Engineer
Construction Cost / Fee / Year	$1.1M / $240,000 / 2015

Project / Client	Lakewood Road, Huntley Road and Lake Avenue Bike Lanes / Village of Lakewood
Scope of Work / (Contractor) / Client POC	The Village of Lakewood is a rural community without sidewalks and with narrow roads, which makes traveling to parks, schools or across town by any way other than car very difficult. The Village had a vision of connecting residents on the east side to Crystal Lake beach, and connecting residents on the west side of town with neighboring subdivisions. Baxter & Woodman provided Phase I, II, and III engineering services. Our team worked with the Village to secure federal Surface Transportation Program (STP) funding for three separate bike path projects over a 7-year period (the final phase was constructed in spring of 2017). Because Lakewood is a well-established community, public sentiment was not in favor of disturbing front yards to construct off road bike paths. As an alternative, Baxter & Woodman proposed to widen the roads by 4-feet on both sides to provide on-street bike lanes on both sides of the road, which proved to be much less intrusive to residents. The project included extensive public involvement, pavement widening and resurfacing, drainage improvements, guardrail installation, wetland delineation, and coordination with the Crystal Lake Park District. The three projects added 4.2 miles of on-street bike lanes at a total cost of approximately $3.1M, of which 80% was paid by federal STP funds.  Phase I, II, & III / Curran Contracting Co. / Alex Househ, PE, IDOT Local Roads Engineer (847) 705-4410
Project Team	Craig Mitchell - Project Manager; Jim Scribner - Resident Engineer
Construction Cost / Fee / Year	$3.1M / $195,000 / 2017

STAFF QUALIFICATIONS

Bensenville's projects will be led by a responsive network of experienced engineers. Key Project Team members are indicated on the Organization Chart below. Project teams will be selected and assigned based on expertise and specific scope of services needed for each of your projects.

As Project Manager, Sean O'Dell, PE will oversee the efficient delivery of engineering services to the Village. ***Sean works out of our nearby Chicago office!***

Bensenville will have the full strength of Baxter & Woodman's 235+ multi-disciplined professionals behind each and every project.

Summaries of staff qualifications follow; detailed resumes included in Appendix A.

BENSENVILLE
GATEWAY TO OPPORTUNITY

PRINCIPAL-IN-CHARGE
John V. Ambrose, PE

SEAN O'DELL, PE
Project Manager

DESIGN ENGINEERING
Matt Washkowiak, PE (Transportation)
Jason Fluhr, PE, PTOE (Transportation)
Tom Slattery, PE (Transportation)
Christine Code, PE (Transportation)
Jay Coleman, PE (Transportation)
Steve Verseman, PE (Infrastructure)
Lauren Schuld, PE (Infrastructure)
Mike Klein, PE (SCADA)
Mike Hudspeth, PE (Electrical)

STORMWATER ENGINEERING
Matt Moffitt, PE, CFM, CPESC
Paul Siegfried, PE, CFM, CPESC
Emily Grimm, PE
Steve Amann, PE, CFM

WASTEWATER ENGINEERING
Derek Wold, PE, BCEE
Mandy Sheposh, PE
Amanda Heller, EIT, ENV SP
Chris Buckley, PE
Dan Bounds, PE
Eric Murauskas, PE

RESIDENT ENGINEERING
Craig Mitchell, PE
Jake Holmbeck, PE
Jim Scribner, DECI
Mike DeBennette, DECI
Chris Baumann, DECI
Melissa Miller, EIT

Design Engineering

Name/Registration/ Title	Years of Exp./@ Firm	IDOT/Municipal Project Experience
John V. Ambrose, PE/ Principal-in-Charge 	36/33	**IDOT, Districts One and Three,** Project Manager responsible for supporting IDOT staff in managing local agency MFT and federally funded projects. **Bensenville,** Principal-in-Charge/Project Advisor for 2010 Street and Water Main Replacement; Irving Park & York Road Water Main Replacement; Green Street & York Road Water Main Replacement; Greet Street Resurfacing; and Water & Sewer Rate Study Update. **Glenview, Waukegan Road and Chestnut Avenue Intersection Improvements,** Principal in Charge for Phase II design plans for the Waukegan Road and Chestnut Avenue intersection improvements. The design is based on the IDOT approved Project Development Report.
Sean O'Dell, PE/ Project Manager 	15/15	Sean is at the forefront of infrastructure rehabilitation techniques, including water main lining including **Oak Park, Lisle, Schaumburg, Glen Ellyn,** and many more. Sean is a known expert in this new technique and has assisted many communities with training, feasibility reviews, design and construction engineering, as well as QA/QC review of municipal designs. **Bensenville, Street and Water Main Replacements,** Project Manager for installation of 3,000 feet of 8 inch water main, valves, fire hydrants and water services, curb and gutter removal and replacement, sidewalks, driveways, and roadway resurfacing, and parkway restoration.
Matt Washkowiak, PE/ Project Advisor 	23/17	**IDOT, Wolf Road-IL 21 to north of Hintz Rd, Cook County**, Project Manager design engineering services including roadway widening, drainage system, traffic signals, intersection improvements. **IDOT, US Route 45 and IL Route 120 Improvements,** Project Engineer for Phase II improvements of the intersection of US Route 45 and IL Route 120 in the Village of Grayslake. **Kane County DOT, Bliss Road, Fabyan Parkway, & Main Street Intersections**, Project Advisor Phase I intersections realignment to create new 4-legged intersection with roundabout.

Name/Registration/ Title	Years of Exp./@ Firm	IDOT/Municipal Project Experience
Jason Fluhr, PE, PTOE™/Project Manager 	18/18	**IDOT, PTB 151/26,** Supported IDOT staff in District One, managing local agency federally funded projects. Jason performed work, typically on-site in the District One office, as a Program Manager and Lead IDOT Phase II reviewer for complex jobs processed through Local Roads. **Bensenville, Pavement Management Update,** Project Manager for the 2010 update to the Village's 2002 Pavement Management Program. **Wood Dale, Royal Oaks Subdivision Roadway Reconstruction,** Project Manager for the preliminary and final design services for the roadway reconstruction of the Royal Oaks Subdivision, consisting of 1 mile of residential streets in the City.
Tom Slattery, PE/ Senior Transportation Engineer 	23/17	**IDOT, PTB 173/20, District One,** Project Manager providing Phase II engineering services as required for engineering management and project support as well as other functions as assigned necessary to accomplish Phase II services. **Villa Park, South Michigan Avenue Reconstruction,** Project Manager for reconstruction of South Michigan Avenue which included roadway reconstruction, sidewalk repairs, storm sewer installation, water main and sanitary sewer repairs, and parkway restoration. **Country Club Hills, 2007-2017 MFT Maintenance Programs**, Project Manager for annual road programs.
Christine Code, PE/Transportation Engineer 	17/12	**IDOT, PTB 178/006, District One,** Project Engineer assisting the prime consultant under a Work Order contract for Phase I and II engineering services as required. **IDOT, PTB 154/015, District One,** Project Engineer assisting IDOT under a Work Order contract for Phase II engineering services as required for plan preparation, plan review and route surveying on various projects. **Glenview, West Lake Ave & Greenwood Road Intersection Improvements,** Project Engineer for widening and reconstructing West Lake Avenue and Greenwood Road to provide intersection channelization and new traffic signalization.

Name/Registration/ Title	Years of Exp./@ Firm	IDOT/Municipal Project Experience
Jay Coleman, PE/ Transportation Engineer 	17/2	**Park Forest, Indianwood Blvd. STP Improvements,** Project Engineer for Phase I/II Engineering and Environmental Studies for the reconstruction of Indianwood Boulevard using federal STP funds **Wheeling, IL 68 at Community Blvd Phase I & II Engineering,** Project Engineer for improvements to IL Route 68 and the Village Hall Access Road, including bituminous pavement widening and resurfacing, road installation with storm sewer, concrete and bituminous bike paths, street lighting, traffic signals installation, interconnection installation, storm sewer improvements, ditch grading, and parking lot installation.
Steve Verseman, PE/ Senior Infrastructure Engineer 	39/39	**Lombard, Maple Avenue Relief Sewer,** Project Manager for the design of a 60-inch relief sewer through the Village to improve stormwater drainage. **Joliet, West Park Front Pumping Station,** Lead Project Engineer for the design of this $3M Pump Station Replacement consisting of the installation of a new pumping station, including four (4) submersible pumps in a cast-in-place concrete wet well. **Lombard, IL route 53 Water and Sewer Replacement,** Project Manager for the design and preparation of construction documents for the replacement of water main system components and sanitary sewers in the area of Route 53 scheduled for reconstruction by IDOT.
Lauren Schuld, PE/ Infrastructure Engineer 	5/5	**Glenview, Dewes Henley Harlem Drainage Improvements,** Assisted with design of a 15.5 acre-foot detention basin and 4,650 feet of storm sewer ranging from 12-inches to 48-inches in diameter. **Plainfield, Route 30 Water Main & Sewer Improvements,** Assisted with engineering design, plan updates, permit applications, and cost estimating for the relocation and replacement of Village-owned infrastructure in conflict with IDOT's planned roadway and storm sewer improvements along Route 30 from I-55 to Route 59. **Wood Dale, Mill Road STP Resurfacing & CDBG Water Main Replacement,** Infrastructure Engineer for design of STP-funded road improvements and CDBG-funded water main improvements on Mill Rd.

Name/Registration/ Title	Years of Exp./@ Firm	IDOT/Municipal Project Experience
Mike Klein, PE/ Automation Engineer 	27/18	**Mike serves as Concentric Integration's Automation Manager. Concentric is a wholly owned subsidiary of Baxter & Woodman, Inc.** **Kishwaukee Water Reclamation District, Phase 1B Biological Improvements,** Assisted with technology design concepts, P&ID development, and fiber network coordination as part of controls system improvements. Mike is also assisting the District with ongoing automation and SCADA system maintenance, troubleshooting, and repair services as needed. **Fox River Water Reclamation District, West Water Reclamation Facility & Pump Station 32 Bar Screen Integration,** Project Manager to complete instrumentation, control, and SCADA integration services. Modifications were made to the existing mechanically cleaned bar screen control panel at the West WRF.
Mike Hudspeth/ Electrical Engineer 	27/12	**Bensenville,** Design Engineer for the development of preliminary lighting layouts utilizing High Pressure Sodium, Metal Halide, and LED lighting systems to replace existing lighting systems on major IDOT and Village roadways. **Glenview, Waukegan and Chestnut Intersection Improvements,** Lighting Design Engineer for Phase II design plans for the $2.8M Waukegan Road and Chestnut Avenue intersection improvements - intersection channelization, utility improvements, ROW acquisition, and traffic signal improvements. **Franklin Park, Ruby Street Traffic Signal/Railroad Signal Interconnection,** Electrical Project Manager for design and construction engineering services for the development of the plans, specifications, and cost estimate for the construction of the traffic signal/railroad signal interconnection along Ruby Street from Franklin Avenue to Pacific Avenue.

Stormwater Engineering

Name/Registration/ Title	Years of Exp./@ Firm	IDOT/Municipal Project Experience
Sean O'Dell, PE/ Project Manager  ***"From the beginning of the design process Mr. O'Dell provided great positive energy and displayed a real interest in the project. Understanding how crucial this project was/ is to our community, Mr. O'Dell was an important member of the design team."***	15/15	**Schaumburg, Bradford and Weathersfield Culvert Lining,** Project Manager for the rehabilitation of two large storm culverts (a 112-inch x 75-inch CMP arch pipe and an 84-inch diameter CMP circular pipe) that had been slowly deteriorating due to corrosion. **Shorewood, Water Main and Stormwater Improvements,** Design Engineer for water main and stormwater improvements as part of a Water Main Replacement Plan reviewer for various residential and commercial subdivisions including examination of grading plans, soil erosion and sedimentation control plans, storm sewer calculations, detention calculations, overflow routing and calculations, hydraulic grade line calculations, and weir/restrictor calculations. **Plainfield, Drainage and Erosion Control Improvements,** Project Engineer for the design of a number of drainage and erosion control improvement projects within the Village. These projects included swale construction, major re-grading, infiltration trench construction, outfall improvements, and a number of erosion control measures.
Matt Moffitt, PE, CFM, CPESC/ Stormwater Engineer 	11/4	**La Grange, 50th Street Relief Storm Sewer,** Stormwater Engineer for regional stormwater detention and conveyance system including XP-SWMM modeling. **Glenview, Dewes Henley Harlem Drainage Improvements,** Project Engineer assisting with the detailed design of a 15.5 acre-foot detention basin and 4,650 feet of storm sewer ranging from 12-inches to 48-inches in diameter. Modeling analysis was completed using XP-SWMM. **Kenilworth, Cumberland Ave Improvements**, Stormwater Engineer for 36-inch storm sewers and modeling analysis. **Madison Metro Sewerage District, Pumping Station 15 Rehabilitation,** Stormwater Engineer for permeable pavers and rain garden.

Name/Registration/ Title	Years of Exp./@ Firm	IDOT/Municipal Project Experience
Paul Siegfried, PE, CFM, CPESC 	11/3	**LaGrange, 50th Street Relief Storm Sewer,** Project Manager for design and bidding services for an approximately 4,400-foot relief storm sewer along 50th Street, extending from Spring Avenue to an outfall at the Hanson Quarry. Additionally, the project includes a lateral sewer extension that extends north to the 9th Avenue and 48th Street intersection. **Northbrook, Wescott Park Stormwater Storage Facility,** Project Manager for design and bidding services for a 23.7-ac-ft underground stormwater storage facility in Wescott Park. The project includes three blocks of proposed 42-inch storm sewer and additional inlet capacity to convey flow to the storage vault, roadway reconstruction, restoration of the park, and installation of an irrigation system.
Steve Amann, PE, CFM/Development Assistance & Plan Reviewer 	23/17	**Glenview,** Coordinate review of multi-family, institutional and commercial projects, from initial due diligence meetings with developers, through Plan Commission and Village Board reviews, to detailed plans, calculations and specifications and final permits; coordinate work by multiple reviewers, with multiple Village Departments, and with outside agencies. **Oak Forest,** Responsible for review of all private development projects in City since 1998, ranging from single-family infill projects to multi-lot commercial redevelopments. Includes coordination of construction services, final grade checks and floodplain permit reviews. **Lockport,** Project manager for area-wide stormwater conveyance plan, including XP-SWMM modeling, and development of preliminary plans and estimates.
Emily Grimm, PE, CFM/Stormwater Engineer 	4/4	**Glenview & Wilmette, Plan Review,** Reviews engineering plans for new single family homes, additions, residential flood control structures and drainage improvements, utility permits. Assists the review of commercial engineering plan reviews. **Glenview, Dewes Henley Harlem Drainage Improvements,** Project Engineer assisting with the detailed design of a 6.5 acre-foot detention basin and 4,650 feet of storm sewer ranging from 12-inches to 48-inches in diameter.

Wastewater Engineering

Name/Registration/ Title	Years of Exp./@ Firm	IDOT/Municipal Project Experience
Sean O'Dell, PE/ Project Manager 	15/15	**Joliet, West Park Front Pumping Station Replacement,** Project Manager for the design of this $3M Pump Station Replacement consisting of the installation of a new pumping station. **Roselle, CMOM Plan,** Project Manager for the development, implementation and submittal of a Capacity, Management, Operations, and Maintenance (CMOM) plan to the Illinois Environmental Protection Agency (IEPA). The Village's NPDES permits for the Botterman WWTP and Devlin WWTP require preparation of a CMOM Plan. *Since 2015, Sean has completed over 10 CMOMs.* **Oak Forest, MWRD I/I Management – CMOM,** Sean has assisted the City with administering and developing a CMOM Program which meet the MWRD I/I requirements. **Park Forest, Sanitary System Evaluation,** Project Engineer in charge of assisting with sanitary system testing and evaluation including smoke testing, flow monitoring, and sewer rehabilitation program.
Derek Wold, PE, BCEE/Senior Wastewater Engineer 	21/21	**Kishwaukee Water Reclamation District, Phase 1B Biological Improvements,** Project Manager for the Phase 1B Biological Improvements including upgrades to the raw sewage pumping process, construction of new primary clarifiers, new fermenter, a new A20/5-stage Bardenpho biological process to meet anticipated ammonia limits and future nutrient removal requirements, construction of final clarifiers and new UV disinfection facilities, grease receiving station, biogas treatment, combine heat and power biogas generator, sidestream equalization, improvements to the excess flow treatment capability and a Lab-Administration Building. **Lombard, IL Route 53 Stormwater Pumping Station,** Project Advisor for preparation of a preliminary report and design of a 25,000 gallon per minute stormwater pumping station located west of IL Route 53 (and I-355) on the east side of the East Branch DuPage River. **Plainfield, Drauden Road Pump Station and Force Main,** Project manager for the design of a duplex submersible pumping station and approximately 700 feet of 10-inch ductile iron force main.

Name/Registration/ Title	Years of Exp./@ Firm	IDOT/Municipal Project Experience
Chris Buckley, PE, BCEE/Senior Wastewater Engineer 	22/8	**Lombard, IL Route 53 Stormwater Pumping Station,** Project Manager for preparation of a preliminary report and design of a 25,000 gallon per minute stormwater pumping station located west of Illinois Route 53 (and I-355) on the east side of the East Branch DuPage River. **Hanover Park, WWTF Raw Sewage Lift Station,** Project Manager for raw sewage pumping station rehabilitation. The project includes new submersible pumps and guide rods for the Village's WWTF Raw Sewage Lift Station and other miscellaneous improvements.
Mandy Sheposh, PE/ Wastewater Engineer 	8/8	**Kishwaukee Water Reclamation District, Phase 1B Biological Improvements,** Project Engineer for the Phase 1B Biological Improvements including upgrades to the raw sewage pumping process, construction of new primary clarifiers, a new A20 biological process to meet anticipated ammonia limits and future nutrient removal requirements, construction of tertiary clarifiers and new UV disinfection facilities, and expansion of the excess flow treatment capacity. **Mundelein, Energy Performance Contract,** Project Engineer for cooperative project with Johnson Controls to reduce costs at the Village's water and wastewater facilities via reduced energy consumption and streamlined operations. Recommended improvements included: Plant & Lift Station SCADA Automation; Comprehensive Aeration System Improvements; Sludge Pumping; Digestion Improvements; and Water System Improvements.
Amanda Heller, EIT, ENV SP/Wastewater Engineer 	5/3	**Kishwaukee Water Reclamation District, Phase 1B Biological Improvements,** Project Engineer for the design, permitting and construction of Phase 1B Biological Improvements including upgrades to the raw sewage pumping process. **Town of Somers (WI), Sheridan Road Lift Station Replacement,** Project Engineer for replacement of the existing 600 gpm dry pit submersible sewage lift station with a larger wet pit submersible station with the discharge piping, standby generator, and sampling facilities within a building on the site.

Name/Registration/ Title	Years of Exp./@ Firm	IDOT/Municipal Project Experience
Dan Bounds, PE/ Project Engineer 	24/1	**Woodstock, Capacity Management Operations and Maintenance Plan Development,** Project Manager for preparation of the NPDES permit-required sewer system CMOM assessment and documentation, which includes collecting and reviewing system performance data, system operational measures and activities, system evaluation and response plans, reporting and monitoring requirements, and resident notice plans. An asset management plan evaluation is also being performed as part of the assessment. **Various Communities, MS4 Program Development and Implementation,** Dan is a locally and nationally recognized expert in MS4 program development and implementation. He leads a team MS4 permit implementation staff focused on determining the best use of available resources for compliance with the permit. Dan leads a quarterly MS4 program implementation meeting with IEPA staff that helps clear up permit requirements and implementation options and expectations. Staying on the forefront of Illinois requirements and gaining experience in other states' programs allows Dan to develop innovative solutions for implementation and compliance.
Eric Murauskas, PE/ SSES Engineer 	28/28	**Glenview, SSES for Sanitary Sewer Rehabilitation (Four Areas),** Project Manager for the Sanitary Sewer Evaluation Study (SSES) for the Village of Glenview in four separate areas. The purpose of the project was to prepare engineer's reports which summarize the results of investigative tasks performed by Village staff. **Hoffman Estates, Comprehensive Flow Monitoring and I/I Study,** Project Engineer for the evaluation of the flow monitoring of 22 sub-basins and dyed-water testing of selected sub-basins in order to identify sources of infiltration and inflow and identifying the scope of sanitary sewer rehabilitation needed to address operational issues. **Oak Forest, Sanitary Sewer Flow Monitoring,** Project Manager for the development and implementation of a flow monitoring program to measure flow in the City's entire sanitary sewer system. Flow meter data was be analyzed to calculate the dry weather and wet weather flow from each of 25 flow basins.

Resident Engineering

Name/Registration/ Title	Years of Exp./@ Firm	IDOT/Municipal Project Experience
Craig D. Mitchell, PE/ Construction Manager 	28/13	**Illinois Department of Transportation, Phase III Engineering Services,** Local agency area engineer to support IDOT staff in managing local agency federally funded projects. **Illinois Department of Transportation, Phase III Engineering Services for PTB 133/006, Various/ Various, Job #C-92-035-07, C-92-117-06, C-92-134-06 (WO #2),** Construction Manager for three projects in Boone County. **McHenry County DOT, IL 176/Walkup Rd Improvements,** Construction Manager for the CMAQ/ STP funded roadway reconstruction, traffic signals, channelization and bicycle path improvements.
Jacob G. Holmbeck, PE/Resident Engineer 	10/10	**IDOT, PTB 133/06 Work Order 4,** Construction Engineer assisting IDOT Resident Engineer for pavement patching and resurfacing of US 52. **DuPage County DOT, 75th Street and Plainfield/ Naperville Road Improvements,** Resident Engineer for intersection widening, channelization, pavement resurfacing, and traffic signal modernization. **Plainfield, 127th and Van Dyke Improvements,** Resident Engineer for the reconstruction of 127th Street to five lanes and the signalization of the 127th Street and Van Dyke Road intersection; storm sewer installation; roadway lighting; bicycle path; and sidewalk improvements.
Mike DeBennette, DECI/Senior Resident Engineer 	34/20	**Bensenville, Water System Operations,** Provides oversight of the operation of the Village's water system. Verifies that the potable water quality continues to meet the federal, state, and local standards through regular sampling and analysis. Oversees preventative maintenance inspections and related services to sustain the proper operation of the system and minimize downtime. **East Skokie Drainage District, Northern Avenue Storm Sewer,** Construction Manager for the installation of 48" storm sewer to replace the existing deteriorated pipe and increase the high flow capacity of the system. **Grayslake, Seymour Avenue Improvements,** Construction Project Manager for roadway resurfacing and storm sewer improvements along Seymour Avenue, from Center Street to Park Avenue.

Name/Registration/ Title	Years of Exp./@ Firm	IDOT/Municipal Project Experience
Jim Scribner, DECI/ Resident Engineer 	32/14	**Lakewood, Lakewood, Huntley, and Lake Avenue Bike Lanes,** Resident Engineer for STP-funded bike path project which included pavement widening and resurfacing, drainage improvements, guardrail installation, and wetland delineation. **Grayslake, Lake Street Improvements,** Construction services for STP-funded improvements which consisted of widening IL 120; traffic LED signal installation; and pedestrian crossing upgrades. **Grayslake, Sanitary Interceptor Sewer Installation,** Resident Engineer for the installation of approximately 14,021 lineal feet of 30-inch sanitary sewer which included pavement, parkway and wetlands restoration, and a connection to the Lake County Public Works Northeast Central Pumping Station.
Chris Baumann, DECI/ Resident Engineer 	5/3	**Glenview, Waukegan and Chestnut Intersection Improvements,** Construction observation for this intersection improvement project which consisted of roadway widening and resurfacing, construction of storm sewers and water main, combination concrete curb and gutter, driveway replacement, concrete sidewalks replacement, and traffic signal modernization. **Glenview, Dewes Henley Harlem Improvements,** Assistant Resident Engineer for the construction of a 6.5 acre-foot detention basin and 4,650 feet of storm sewer ranging from 12-inches to 48-inches in diameter. **McHenry County DOT, IL Route 176/Walkup Road Improvements,** Resident Engineer for the CMAQ/ STP funded roadway reconstruction, traffic signals, channelization and bicycle path improvements.
Melissa Miller, EIT/ Resident Engineer 	3/2	**DuPage County DOT, 75th Street and Plainfield/ Naperville Road Improvements,** Assistant Resident Engineer for intersection widening, channelization, pavement resurfacing, and traffic signal modernization. **Glenview, Harlem Avenue Water Main and Resurfacing,** Resident Engineer for water main installation, Portland Cement Concrete base course, class B patching, roadway resurfacing, pavement marking removal and replacement, structure adjustments, curb & gutter removal and replacement, ADA ramp updating, sidewalk removal and replacement, and parkway restoration.

CLIENT EVALUATIONS

We encourage you to contact our references listed in our Project Experience to obtain their assessment of our services and satisfaction with our work! Here are some recent evaluations we've received from our clients.

Baxter & Woodman recently received an **excellent rating** for the work we performed for contract with IDOT providing Phase II Project Management, PTC 178-006, Various Routes-Various Counties, District One. A copy of our evaluation is included on the following pages.

Christopher J. Holt, PE
Bureau Chief of Local Roads and Streets, IDOT

"From the beginning of the design process Mr. O'Dell provided great positive energy and displayed a real interest in the project. Understanding how crucial this project was/is to our community, Mr. O'Dell was an important member of the design team."

Allen Persons
Director of Public Works, Village of Plainfield



In the past 10 years, Baxter & Woodman projects has been the recipient of the following awards:

- 19 APWA Branch awards
- 6 APWA Chapter awards
- 4 ACEC Merit awards
- 3 ACEC Special Achievement awards
- 3 ACEC Honor awards
- 2 MWRD Sustainability Awards
- 1 ACEC National Grand award
- 1 MWITE Transportation Achievement Award

"When Tom Slattery prepares the P, S & E, have him include the client signatures with the initial submittal. He is so thorough, I never have revisions on his work and I can approve the documents for bidding."

Jim Skvarla
Program Manager, IDOT Bureau of Local Roads

"This project (Sanitary Sewer Rehabilitation Project) was a success from the start. [Baxter & Woodman's] effort early to complete plans and specifications and your timing the transmittal of these documents to the Illinois EPA as soon as the ARRA requirements were published were key to the District being in position to receive stimulus funds."

John McDonnell, PE
Former District Engineer, Thorn Creek Basin Sanitary District

Illinois Department of Transportation

Phase III Consultant Evaluations

Evaluation Date: 08/16/2017 **Annual or Milestone Evaluation:** Annual

Type Evaluation: Interim **Office:** D1-BLRS

Evaluator: C Holt **Job #:** D-91-119-16

Sub Consultant BAXTER & WOODMAN, INC.

PTB: 178 **Item:** 006 **Sublet:**

Route: Various **County:** Various

Phase: III **District:** DIST-1

Description: First Evaluation

Prequalification Categories:		**Old Str #**	**New Str #**	**Dual Old Str #**	**Dual New Str #**
Roads and Streets	Excellent				

Fatal Flaws:

Did the consultant:

Display inappropriate behavior in dealing with the public or other agencies?	No
Provide false information in the report documentation?	No
Cause the letting date or design approval to be delayed due to late submittals?	No

Rated By: C Holt District/Bureau: D1-Local Roads Rated Date: AUG 16 2017

Reviewed By: C Holt Position: B.C. Reviewed Date: AUG 16 2017

Concur: _____ Regional Engineer _____ Date: _____

Sub Consultant: BAXTER & WOODMAN, INC. **PTB:** 178 **Item:** 006

Timeliness: Excellent

Comments on Strengths/Weaknesses in Timeliness:
Provided qualified staff, as needs required, in a timely manner.

Completeness: Excellent

Comments on Strengths/Weaknesses in Completeness:
Work always met expectations of the Department

Quality & Accuracy: Excellent

Comments on Strengths/Weaknesses in Quality & Accuracy:
Quality and accuracy always consistent with the goals of the Department

Cooperation & Project Management: Excellent

Comments on Strengths/Weaknesses in Cooperation and Management:
Staff always displayed a cooperative and motivated disposition

Public/Agency Coordination: N/A

Comments on Strengths/Weaknesses in Public/Agency Coordination:

Innovation: N/A

Comments on Strengths/Weaknesses in Innovation:

Comments on Consultant's Overall Performance:

Excellent team player.

Baxter & Woodman's construction services teams receive notes from residents regularly on their courteousness, their attention to resident needs, communication skills, and the list goes on. Here are a few recent resident testimonials we have received for our construction engineers:

"... We were very impressed with the professionalism of all members of the work crew... Great job to all!"

Glenview Resident

"... My wife and I appreciated the friendly attitude and willingness to share your knowledge of the project with us. More people should treat residents as you treated us... Thanks again for your caring attitude."

Lakewood Resident

"... What a courteous and effective communicator!!! He has been a blessing to me during the Gilberts Glen Road construction. You are lucky to have him on your team. He represents you well."

Gilberts Resident

"... He was unfailingly polite and helpful. He did not treat me as some sort of irrational person griping of things about which I knew nothing. Instead, he treated me with respect and compassion."

Park Forest Resident

3. STATEMENT OF QUALIFICATIONS FORM

Page 22 of 28

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

[1]	Design Engineering
[3]	Wastewater Improvements
[2]	Stormwater Engineering
[4]	Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: John V. Ambrose

Print Name .....: John V. Ambrose, PE

Position/Title.....: President/CEO

Company Name ...: Baxter & Woodman, Inc.

Address line 1 .....: 8678 Ridgefield Road

Address line 2 .....: Crystal Lake, Illinois 60012

Telephone.....: 815-459-1260

BAXTER & WOODMAN Consulting Engineers

Sean E. O'Dell, PE

Project Manager

Education

B.S. Civil Engineering,
Bradley University, 2002

Joined Firm in 2002

Years of Experience: 15

Registrations

Licensed Professional Engineer:
Illinois

Honors & Awards

2015 APWA National
Young Leader Award

2014 Young Leader Award,
APWA Chicago Metro Chapter

Associations

2017 President of Chicago APWA Metro Chapter

2015 Vice President of Chicago APWA Metro Chapter

2014 Treasurer of Chicago APWA Metro Chapter

2013 President, APWA Southwest Branch of Chicago Metro Chapter

Illinois Public Service Institute Advisory Committee Member & 2013 Graduate

Illinois Section of AWWA (YP Committee)

IWEA, WEF

Papers/Presentations

Water Main Rehabilitation:

- AWWA National Distribution Conf, September 2013 (Itasca, IL)
- SPWDA, August 2013

Sean's focus and expertise is in the planning, design, and rehabilitation of water and wastewater infrastructure. He works closely with municipalities and sanitary districts on planning infrastructure to serve growth and redevelopment areas. Sean's experience with a variety of water, wastewater, stormwater management, and transportation projects has made him proficient in master planning, design, watershed modeling, survey, and GPS. Sean leads the firm's Civic Innovation & Infrastructure Group and is also a member of our Trenchless Technology Committee, which meets regularly to discuss and evaluated the industry's newest trenchless construction methods and materials. He is certified in evaluating sewer structural conditions through the PACP (Pipeline Assessment and Certification Program).

Representative Projects

Water Main Lining Experience:
Sean O'Dell is at the forefront of infrastructure rehabilitation techniques that are efficient and cost-effective for local communities to implement, including water main lining. He is currently investigating methods to line lead water services in Illinois. Sean is a known expert in this new technique and has assisted many communities with training, feasibility reviews, design and construction engineering, as well as QA/QC review of municipal designs. He has completed water main lining design engineering for the following communities:

- Oak Park, IL
- Crest Hill, IL
- Buffalo Grove, IL
- Glen Ellyn, IL
- Park Forest, IL
- Grayslake, IL
- LaGrange, IL
- Lisle, IL
- Glenview, IL
- River Forest, IL

Village of Westmont, IL - Water System Maintenance Program
Infrastructure PM and QA/QC review for the Village's annual water main rehabilitation and replacement program including a combination of open cut and horizontal directional drilling (HDD).

Village of Hazel Crest, IL - Pumping Stations No. 1 and No. 2 Rehabilitation
Project Manager for improvements to two pumping stations, both of which needed upgrades to replace aging pumps and improve both pumping and electrical efficiency. Mechanical design included replacement of three pumps and motors at each booster station and piping and valve modifications. Electrical design included addition of variable speed drives to improve the booster stations' ability to modulate output based on system demand. Both booster stations have significant space constraints, necessitating thorough site surveys and detailed construction sequencing to maintain continuity of operations.

City of Oak Forest, IL - MWRD I/I Management – CMOM
Sean has assisted the City with administering and developing a CMOM Program which meet the MWRD I/I requirements.

(Flossmoor, IL)
- B&W Client Seminar, March 2013 (Itasca, IL)
- MSTT, April 2012 (Joliet, IL)
- ISAWWA Webinars - January 2012, August 2011 (web only)
- NASTT, No-Dig Show, March 2012 (Nashville, TN) (co-writer)
- IIT Graduate Seminar, November 2011 (Chicago IL)
- ISAWWA Watercon, March 2011 (Springfield, IL)
- APWA, Chicago Metro Expo, May 2010 (Schaumburg, IL)

Anaerobic Digester Foaming:
- WEFTEC, October 2012 (New Orleans, LA)
- CSWEA, May 2012 (St. Charles, IL)

Inflow and Infiltration Removal – Public and Private Property:
- APWA, Southwest Branch Seminar, April 2012 (New Lenox, IL)

Lake Michigan Water Conversion and Pumping Station Design:
- ISAWWA Annual Conference, March 2008 (Springfield, IL)
- APWA, Southwest Branch Awards, January 2008 (Joliet, IL)

Illinois Public Service Institute, Lessons Learned:
- APWA, Southwest Branch Meeting, November 2012 (Joliet, IL)

Village of Roselle, IL - CMOM Plan
Project Manager for the development, implementation and submittal of a Capacity, Management, Operations, and Maintenance (CMOM) plan to the Illinois Environmental Protection Agency (IEPA). The Village's NPDES permits for the Botterman WWTP and Devlin WWTP require preparation of a CMOM Plan.

Downers Grove Sanitary District, IL - Sanitary Flow Monitoring
Field Engineer for various flow monitoring projects, including installing, calibrating, maintaining, and reviewing data for multiple manhole locations.

Downers Grove Sanitary District, IL - Sewer Replacement Projects
Design Engineer for various sewer replacements projects, including open cut installation, pipe bursting, and directional drilling of pressure-rated PVC pipe.

Village of Park Forest, IL - Sanitary System Evaluation
Project Engineer in charge of assisting with sanitary system testing and evaluation including smoke testing, flow monitoring, and sewer rehabilitation program.

Village of Beecher, IL - Trim Creek Sanitary Relief Sewer Improvements
Project Engineer for relief sewer improvements to help the Village accommodate future growth to the north without affecting homeowners downstream. The project included 2,100 feet of 21-inch sanitary sewer installed by open cut and jacking in steel casings. The project included coordination with adjacent property owners, the Army Corps, and the local draining district. This $300,000 project originated in the Master Plan created by Baxter and Woodman.

City of Joliet, IL - West Park Front Pumping Station Replacement
Project Manager for the design of this $3M Pump Station Replacement consisting of the installation of a new pumping station, including four (4) submersible pumps in a cast-in-place concrete wet well; a prefabricated control-valve building and foundation; diesel fueled emergency power generator; site piping, conduits, and drainage improvements; and new 36", 12" and 8" sanitary sewer construction on the pumping station site. Severe erosion along Thorne Creek jeopardized the integrity of the infrastructure. The project also included providing and installing various streambank and stream protection items along Thorne Creek.

Village of Schaumburg, IL - Bradford and Weathersfield Culvert Lining
Project Manager for the rehabilitation of two large storm culverts (a 112-inch x 75-inch CMP arch pipe and an 84-inch diameter CMP circular pipe) that had been slowly deteriorating due to corrosion. The project included evaluating three different rehabilitation technologies that would work in conjunction with several tributary storm sewers that emptied into the culverts, the largest diameter being a 42-inch CMP pipe.

Village of Shorewood, IL - Water Main and Stormwater Improvements
Design Engineer for water main and stormwater improvements as part of a Water Main Replacement Plan reviewer for various residential and commercial subdivisions including examination of grading plans, soil erosion and sedimentation control plans, storm sewer calculations, detention calculations, overflow routing and calculations, hydraulic grade line calculations, and weir/restrictor calculations

BAXTER & WOODMAN
Consulting Engineers

John V. Ambrose, PE

President/CEO

Education

B.S., Civil Engineering
Marquette University, 1983

Joined Firm in 1984

Years of Experience: 36

Registrations

Licensed Professional Engineer: Illinois

Licensed Professional Engineer: Wisconsin

Associations

Illinois Road and Transportation Builders Association

- IDOT District One Committee
- Lake County Co-op Committee
- Kane County Co-op Committee

American Council of Engineering Companies

- IDOT Liaison Executive Committee
- Risk Management Committee Chairperson

DuPage Mayors & Managers Transportation Technical Committee

McHenry County Council of Mayors – Methodology Review Committee

McHenry County Council of Government Transportation Committee

John has 33 years of municipal civil engineering experience with specific expertise in transportation planning, design and construction services. His in-depth knowledge of State and Federal transportation funding opportunities, and his respected relationship with County and Illinois Department of Transportation officials will help to facilitate your projects.

As President and CEO for Baxter & Woodman, John ensures that the expectations of our clients are met and exceeded, and that projects are completed within budget and on schedule. He remains in close contact with the firms' clients to provide advice and guidance, and to ensure needed resources are available.

Representative Projects

Illinois Department of Transportation, District One
Project Manager for PTB 154/15 Phase II various projects in various counties for the District One Bureau of Design. This project involves Phase II engineering services for plan preparation, plan review, and route surveying. Work orders under the blanket agreement are negotiated and authorized by the Department on an as-needed basis.

Project Manager for PTB 151/26(s) Phases I/II/III Program Management for the District One Bureau of Local Roads and Streets to support IDOT in managing local agency projects. This assignment involved working directly with the local agency and their consulting firms, as well as other Bureaus in IDOT.

Principal in Charge for PTB 170/03 Various/Various Phase II engineering services Work Orders as required for plan preparation, plan review and route surveying projects in District 1. Services include preparation of contract plans and special provisions for roadway, drainage, and bridge improvements, resurfacing projects, intersection and drainage improvement projects, review of contract plans prepared by consultants and local agency consultants for roadway and bridge reconstruction projects, obtaining pavement composition cores for resurfacing projects, and supplemental field surveying and bridge deck surveying for various projects.

La Grange, IL
Maple Avenue Relief Sewer
Principal in Charge for the design of a 60" relief sewer through the Village to improve stormwater drainage. The relief sewer is connected to MWRDGC's Deep Tunnel system, and the Village has already constructed approximately one mile of the relief sewer. The project included our review of an existing Village-wide drainage report and the design of the next portion of the relief sewer located along Maple Avenue, starting at Bluff Avenue and terminating at La Grange Road (5th Avenue).

Lombard, IL
Project Advisor for St. Charles Street LAPP Improvements Design
Project Advisor for Main Street LAPP Improvements Design
Project Advisor for Special Assessment 217B Resident Engineering
Project Advisor for Special Assessment 217C Resident Engineering

BAXTER & WOODMAN Consulting Engineers

Matthew D. Washkowiak, PE

Transportation Project Advisor

Education

B.S., Civil Engineering
University of Illinois Champaign-Urbana, 1994

Joined Firm in 2000

Years of Experience: 23

Registrations

Licensed Professional Engineer: Illinois

Continuing Education

Completed Illinois Road Transportation Builders Assoc. 2012 Emerging Leaders Program

"Business of Design Consulting" ACEC 2013

Employment History

1998-2000
Project Engineer
TranSystems Corporation

1994-1998
Civil Engineer
City of Elmhurst

Matt leads the firm's Transportation Design Departments. He primarily assists agencies from the State of Illinois, county transportation departments, and local municipalities to find innovative engineering solutions tailored to meet their specific needs. Matt's design experience ranges from roadways and intersections to traffic signals, lighting, and drainage improvements. He is very familiar with State and Federally funded projects such as the Motor Fuel Tax Program, Illinois Transportation Enhancement Program, and Surface Transportation Program.

Representative Projects

Illinois Department of Transportation - Wolf Road; IL 21 to North of Hintz Rd
Project Engineer for Phase II engineering services for widening and resurfacing of Wolf Road from south of IL 21 to north of Hintz Road, a distance of 1.35 miles. The pavement will be widened to provide one lane, 13 feet wide in each direction with a two-way left turn lane median, 11 feet wide. A closed drainage system with curb and gutter is also proposed. The storm sewers will be oversized at some locations to provide stormwater detention. A permanent traffic signal will be installed at the intersection of Strong Road and Wolf Road. Traffic signal modifications and intersection improvements will occur at IL 68 (Dundee Road) and Wolf Road. A continuous sidewalk will be provided along both sides of Wolf Road.

Village of Grayslake, IL - Metra Parking Lot and Washington Street Improvements
Project Manager for the design of a new Metra facility on an 8 acre site along a Lake County Highway within the Village of Grayslake. This work included a variety of permit approvals prior to construction including IEPA, Lake County Division of Transportation, Lake County Public Works, Canadian National Railroad, and the Lake County Stormwater Management Commission. The project included coordination of a new Metra train station and design of the adjacent parking lot, stormwater detention facilities, decorative lighting, landscaping, low pressure sanitary sewer, and widening of Washington Street to add channelization. The design of the site was impacted by the anticipated future development of the adjacent parcels in the area and the limited right-of-way available to the Village.

Village of Niles, IL - Streetlight Replacement Program
Project Manager for six miles of $6.5M lighting improvements along Milwaukee Avenue (IL 21) from Albion Avenue to Greenwood Avenue (excluding the portion between Harlem Avenue and Howard Street in the City of Chicago). The design includes removal of existing lighting and design of a new street lighting system with over 300 LED fixtures. The improvements include use of a compatible wireless adaptive control and management system for the lighting system which also required extensive utility coordination with existing and forecast utilities along the street edge and in the border areas.

City of DeKalb - Miller Avenue Improvements
Project Manager for this APWA award-winning project. Miller Avenue, which is a local collector link between Northern Illinois University and the residential neighborhoods of DeKalb, was studied from a traffic calming and safety perspective.

BAXTER & WOODMAN Consulting Engineers

Jason J. Fluhr, PE, PTOE™

Transportation Engineer

Education

B.S., Civil Engineering
Marquette University, 1999

Joined Firm in 1999

Years of Experience: 18

Registrations

Licensed Professional Engineer: Illinois

Licensed Professional Engineer: Wisconsin

Licensed Professional Engineer: Iowa

Certifications

Professional Traffic Operations Engineer™, certified by the Institute of Transportation Engineers, 2007

Associations

American Society of Civil Engineers

Institute of Transportation Engineers

Presentations

"Street Improvements Management" – APWA City Branch/CDOT Lunch & Learn, February 2017, & APWA City Branch/Cook County Lunch and Learn May 2017

"Constructing ADA Compliant Ramps and Sidewalks" – B&W Construction Group Training, February 2015

Jason is a Certified Professional Traffic Operations Engineer and is a Project Manager for a variety of municipal, county, and large agency transportation projects. His design and construction engineering background includes field engineer, program management, roadway reconstruction, roundabouts, streetscape, intersection improvements, bike paths, traffic studies, traffic operations, and roadway maintenance.

Jason has led several federally funded, state funded and locally funded projects. He is adept at coordinating these complex projects with the local agencies, Illinois Department of Transportation and through active communications with the contractors.

Representative Projects

Bensenville, IL - Pavement Management Update
Project Manager for the 2010 update to the Village's 2002 Pavement Management Program. The update prioritized the expenditure of Motor Fuel Tax and capital funds for the maintenance of Village streets.

Illinois DOT - Various Project Management – PTB 151/26(s)
Supported IDOT staff in District One, managing local agency federally funded projects. This work involved working directly with the local agency, their consulting firms, and other Bureaus in IDOT. Jason performed work, typically on-site in the District One office, as a Program Manager and Lead IDOT Phase II reviewer for complex jobs processed through Local Roads. During that time, Jason reviewed and administered several Federally-funded projects to ensure work was completed in accordance with Federal Aid policies and Local Roads design guidelines. He also managed and monitored the progress and schedule of Local Agency project submittals, and coordinated reviews and approvals with various IDOT Bureaus and the Central Office.

Wood Dale, IL – Mill Road STP Resurfacing & CDBG Water Main Replacement
Project Manager for design of STP-funded road improvements including milling, patching and resurfacing the road, as well as ADA sidewalk ramp improvements and curb and gutter and drainage repairs. CDBG-funded water main improvements on Mill Rd. include replacement and upsizing because of numerous breaks, and to provide better pressure in the system on the west side of the City.

Lombard, IL - St. Charles LAPP Improvements
Project Engineer for this project which included roadway resurfacing and installation of video detection at four intersections.

South Elgin, IL - Kane Street Roadway and Drainage Improvements
Project Manager for this $2 million project which included rural to urban roadway widening and resurfacing, a 42-inch relief storm sewer to the Fox River, and a detention basin emergency spillway.

Downers Grove, IL - Concorde Square Unit 2 Roadway Reconstruction
Project Manager for the urban roadway reconstruction of over 1.5 miles of residential streets, including the replacement and addition of storm sewer laterals and spot repairs of sidewalk.

BAXTER & WOODMAN Consulting Engineers

Thomas M. Slattery, PE, PTOE

Transportation Engineer

Education

M.S., Civil Engineering Illinois Institute of Technology, 1995

B.S., Civil Engineering Bradley University, 1992

Joined Firm in 2000

Years of Experience: 23

Registrations

Licensed Professional Engineer: Illinois

Certifications

Professional Traffic Operations Engineer™, certified by the Institute of Transportation Engineers, 2009

For six years, Tom was an Illinois Department of Transportation field engineer with the Bureau of Local Roads and Streets. He was responsible for approving plans, specifications, and estimates for local agency projects involving motor fuel tax, federal transportation program, township bridge, and other state funding. He also worked in the Bureaus of Design, Maintenance, and Construction preparing plans, specifications, and estimates for roadway reconstruction, resurfacing, and structural projects.

Representative Projects

Village of Bensenville
2010 Street and Water Main Replacement

CMAQ Funded Improvements:

- La Grange Stone Ave Metra Pedestrian Improvements
- Oak Forest Metra Station Pedestrian Improvements
- Country Club Hills Various Sidewalks

Illinois Department of Transportation
PTB 173/20 Phase II Project Support and Management for Various Projects, Various Counties, Region One/District One
Project Manager providing Phase II engineering services as required for engineering management and project support as well as other functions as assigned necessary to accomplish Phase II services. Various responsibilities include structural and pavement design, cost estimating and economic analysis, railroad and utility coordination, CADD unit plan drafting, joint agreement preparation & negotiation, and geologic & waste assessment expertise and oversight. Work orders under the blanket agreement are negotiated and authorized by the department on an as-needed basis.

Villa Park, IL - North Michigan Avenue Improvement
Project Manager for the design and preparation of construction documents for roadway reconstruction.

Villa Park, IL - Plymouth/Vermont/Iowa ERP Improvements
Project Manager for the design and preparation of construction documents for concrete pavement roadway patching.

Villa Park, IL - Harvard/Washington ERP Improvements
Project Manager for the design and preparation of construction documents for roadway resurfacing.

Lombard, IL - St. Charles Road LAPP Improvements
Project Manager for the design and preparation of construction documents for roadway resurfacing, traffic signal upgrades, water main replacement.

Lombard, IL - Main Street LAPP Improvements
Project Manager for the design and preparation of construction documents for roadway resurfacing.

BAXTER & WOODMAN Consulting Engineers

Christine A. Code, PE

Transportation Engineer

Education

B.S. Civil Engineering, University of Illinois at Chicago, 2000

Joined Firm in 2005

Years of Experience: 17

Registrations

Licensed Professional Engineer: Illinois

Certifications

Fundamentals of Storm Water Pollution and Erosion and Sediment Control – Illinois Center for Transportation/IDOT (May 2013)

Erosion and Sediment Control Planning and Design – Illinois Center for Transportation/IDOT (May 2013)

Associations

American Society of Civil Engineers

Christine joined Baxter & Woodman's Transportation Group with experience in all phases of the design and construction of transportation projects. Her previous work included civil, structural and environmental engineering services to various clients. Christine performs tasks such as: planning, design, analysis and geometrics, and construction inspection of highways and railroad bridges.

Representative Projects

Illinois Department of Transportation

PTB 178/006 Phase I/II Various Project Management, Various Routes, Various Counties, District One

Project Engineer assisting the prime consultant under a Work Order contract for Phase I and II engineering services as required. Christine provides Phase II plan review for Lake and McHenry counties, as well as other functions as assigned necessary to accomplish Phase II services.

Park Forest, IL - Orchard Drive Reconstruction

Project Engineer for Phases I and II of this 2.22 mile project using STP funding. Improvements consisted of widening the roadway to provide additional turn lane channelization and on-street bicycle lanes along Orchard Drive.

Glenview, IL - West Lake Ave & Greenwood Road Intersection Improvements

Project Engineer for Phase II design plans for the West Lake Avenue at Greenwood Road intersection improvements. The design were based on the IDOT approved Project Development Report for West Lake Avenue from Pfingsten Road to Patriot Boulevard. The Phase II design limits of the improvements included West Lake Avenue between Elmdale Avenue and North Lake Terrace and Greenwood Road. Improvements consisted of widening and reconstructing West Lake Avenue and Greenwood Road to provide intersection channelization and new traffic signalization. Improved driveways, curb and gutter, and landscaping were included along the length of the project. Storm sewer and utility system improvements were made as needed to facilitate this work.

Shorewood, IL - Shorewood Drive Storm Sewer Improvements

Designed the Shorewood Drive improvements for Village of Shorewood, which included pavement resurfacing, storm sewer installation, pavement patching, grading and shaping ditches, the relocation of underground utilities, aggregate shoulders, driveway removal and replacement, parkway restoration between Highland Drive and Black Road.

Franklin Park, IL - Ruby Street Traffic Signal/Railroad Signal Interconnection

Project Engineer for design engineering required for the development of the plans, specifications, and cost estimate for the construction of the traffic signal/railroad signal interconnection along Ruby Street from Franklin Avenue to Pacific Avenue. During the design process, the Village of Franklin Park decided to enhance safety in the project area and reduce the 5 legged intersection at Ruby Street/Pacific Avenue/Gage Avenue to 4 legs by closing Gage Avenue.

Rantoul, IL - Flessner Avenue Intersection Improvements

Project Engineer for Phase I Preliminary Engineering services related for the intersection improvements of Flessner Avenue at US Route 45.

BAXTER & WOODMAN Consulting Engineers

Jay C. Coleman, PE

Transportation Engineer

Education

B.S., Civil Engineering, University of Illinois, Urbana-Champaign

Joined Firm in 2015

Years of Experience: 17

Registrations

Licensed Professional Engineer: Illinois

Jay joined Baxter & Woodman in 2015 with extensive experience in Phase I studies, Phase II design, and Phase III construction services. He has over 15 years of expertise in the preparation of plans, specifications and cost estimates, as well as the various analyses and reports required by Phase I studies, and resident engineering responsibilities.

Representative Projects

Park Forest, IL - Indianwood Blvd. STP Improvements
Project Engineer for Phase I/II Engineering and Environmental Studies for the reconstruction of Indianwood Boulevard using federal STP funds.

Wheeling, IL - IL 68 at Community Blvd Phase I & II Engineering
Project Engineer for improvements to IL Route 68 and the Village Hall Access Road, including bituminous pavement widening and resurfacing, road installation with storm sewer, curb and gutter, concrete and bituminous bike paths, street lighting, traffic signals installation, interconnection installation, storm sewer improvements, ditch grading, and parking lot installation. The work also included the design of an erosion control plan, irrigation, and landscape plan that included construction of bio-swales for the purposes of detention and water quality. The project required coordination with multiple agencies including the Village of Wheeling, the Illinois Department of Transportation, the Wheeling Park District, the US Post Office, the Wheeling Public Library, St. Joseph's Parish and various utility companies. An Intersection Design Study was also completed at this intersection.

Kane County DOT - Fabyan/Bliss/Main Intersections
Project Engineer for Phase I Engineering and Environmental Studies for the realignment of Bliss Road and Fabyan Parkway to create a new 4-legged intersection with Main Street. The improvements combine two 3-way intersections into one 4-way intersection by realigning Bliss Road to intersect Main Street at Fabyan Parkway. Two intersections with traffic signals were removed and replaced with one 4-way roundabout.

(while with another consultant)
Illinois Department of Transportation, District One
US 45 Bypass of the Millburn Historic District
Phase II design for the realignment of US 45 from Country Place to Independence Boulevard (approximately 1000-ft west of the existing US 45 alignment) in the Villages of Lindenhurst and Old Mill Creek. Du ties included client and subconsultant coordination; budget tracking and invoice preparation; supervision of roadway design team; QC/QA reviews; and preparation of the plans, specifications and cost estimates. The cost of construction is estimated to be approximately $20,000,000.

Illinois Department of Transportation, District One
Consultant to Bureau of Local Roads and Streets
Assisted the Bureau staff with the administration of projects using federal, state or MFT funding. Duties included coordination with the FHWA, IDOT - Springfield Office, IDOT - various bureaus of District One, Councils of Mayors, local agencies, and consultants. Also responsible for verifying that Phase I and Phase II submittals met the conditions of their funding programs and were compliant with IDOT design policies.

BAXTER & WOODMAN Consulting Engineers

Steven M. Verseman, PE

Senior Infrastructure Engineer

Education

BS, Civil Engineering
Purdue University
West Lafayette, Indiana,

Joined Firm in 1977

Years of Experience: 39

Registrations

Licensed Professional Engineer:
Illinois, Indiana,
Wisconsin

Steve is a senior infrastructure engineer who provides design services for numerous sanitary sewer, storm sewer and water main projects. He specializes in the design of sewage collection and water distribution systems, stormwater and sanitary sewage pumping stations, water booster stations, and large diameter storm sewer and sanitary interceptor sewer projects.

Steve has extensive experience in client and department management, marketing, project management and project engineering. He has worked closely and effectively with many clients including Mayors and City Councils, Village Presidents and Boards, private companies, engineering and administrative staff and the public. Project experience includes preliminary studies, stormwater and water system computer modeling, design, permitting, and construction administration and observations of construction.

Representative Projects

City of Joliet, IL - West Park Front Pumping Station Replacement
Lead Project Engineer for the design of this $3M Pump Station Replacement consisting of the installation of a new pumping station, including four (4) submersible pumps in a cast-in-place concrete wet well; a prefabricated control-valve building and foundation; diesel fueled emergency power generator; site piping, conduits, and drainage improvements; and new 36", 12" and 8" sanitary sewer construction on the pumping station site. Severe erosion along Thorne Creek jeopardized the integrity of the infrastructure. The project also included providing and installing various streambank and stream protection items along Thorne Creek.

Village of Lombard, IL - IL Route 53 Water and Sewer Replacements
Project Manager for the design and preparation of construction documents for the replacement of water main system components and sanitary sewers in the area of Route 53 scheduled for reconstruction by IDOT. IDOT was reconstructing Route 53 from Crescent Avenue on the south to Sidney Avenue on the north, a distance of 1.6 miles. South of the Great Western Trail the entire water system is being replaced, a length of 3,500 lineal feet of 10-inch and 8-inch water main, including valves, services, and fire hydrants. North of the Great Western Trail only the portions of the water system that conflict with the IDOT improvements are being replaced, mainly consisting of 33 fire hydrants and several vaults. South of the Great Western Trail the entire sanitary sewer system is being rehabilitated with CIPP, along with a several hundred feet of sewer replacement. All the sanitary sewer manholes are being replaced or rehabilitated with sprayed on lining.

Village of Northbrook, IL - Wescott Park Refined Study
Infrastructure QA/QC reviewer for the refined drainage study and XP SWMM stormwater model for the Village's Wescott Park project.

Village of La Grange, IL - Maple Avenue Relief Sewer
Project Manager for the design of a 60-inch relief sewer through the Village to improve stormwater drainage. The Maple Avenue relief sewer is connected to MWRD's Deep Tunnel system and located along Maple Avenue, starting at Bluff Avenue and terminating at La Grange Road (5th Avenue).

BAXTER & WOODMAN Consulting Engineers

Lauren M. Schuld, PE
Infrastructure Engineer

Education

B.S., Civil Engineering
Bradley University 2012

Joined Firm in 2012

Years of Experience: 5

Certifications

Licensed Professional Engineer: Illinois

Lauren earned her Bachelor of Science degree in Civil Engineering from Bradley University of Illinois. Her coursework included sustainability and public policy, introduction to environmental engineering, sustainable transportation systems, groundwater hydrology, geotechnical engineering, design of steel structures and sustainability and environmental regulations. Since joining Baxter & Woodman, Lauren has demonstrated her proficiency by providing design and construction observation services on a variety of water and wastewater engineering projects.

Representative Projects

Wood Dale, IL - Mill Road STP Resurfacing & CDBG Water Main Replacement
Infrastructure Engineer for design of STP-funded road improvements including milling, patching and resurfacing the road, as well as ADA sidewalk ramp improvements and curb and gutter and drainage repairs. CDBG-funded water main improvements on Mill Rd. include replacement and upsizing because of numerous breaks, and to provide better pressure in the system on the west side of the City.

Glenview, IL - Dewes Henley Harlem Drainage Improvements
Assisted with design of a 15.5 acre-foot detention basin and 4,650 feet of storm sewer ranging from 12-inches to 48-inches in diameter.

LaGrange, IL - Sanitary Sewer Televising Program
Project Engineer assisting team on annual sewer televising program.

Plainfield, IL -Route 30 Water Main & Sewer Improvements
Assisted with engineering design, plan updates, permit applications, and cost estimating for the relocation and replacement of Village-owned infrastructure in conflict with IDOT's planned roadway and storm sewer improvements along Route 30 from I-55 to Route 59. The $1.27 million of improvements included design of a sanitary pumping station, force main, and water main.

Country Club Hills, IL - Parking Lot Improvements/Drainage Improvements
Project Engineer for the completion of parking lot improvements at Heritage Plaza. Improvements consisted of pavement patching, crack sealing, seal coating, pavement marking and drainage improvements on an existing parking lot area. Permits were obtained from the Illinois Environmental Protection Agency (IEPA) and Metropolitan Water Reclamation District (MWRD).

Westmont, IL - Water Main Replacement
Project Engineer for the design engineering services for water main replacement on North Grant Street and North Adams Street. Approximately 4,100 lineal feet of existing 6-inch water main was replaced with new 8-inch water main which included new valves, hydrants, fittings, water services, and complete surface restoration.

Carpentersville, IL -LW Besinger Drive Roadway & Water Main Replacement
Infrastructure Engineer for design of improvements including roadway reconstruction; placement of curb and gutter; sidewalk; storm sewer; water main; street lighting; and other miscellaneous items.



EDUCATION

B.S., Electrical Engineering, University of IL (Champaign/Urbana), 1992

IL Benedictine College, 1988

24 yrs experience
(Concentric since 1999)

REGISTRATIONS

Licensed Professional Engineer: IL

ASSOCIATIONS

Instrumentation, Systems, and Automation Society

PAPERS/PRESENTATIONS

High Tech Operator Program AWWA (2013/2014) Working (Smartly) with Device Networks

IL Section AWWA – Information Management and Technology Conference (October 2007)

Energy Cost Management IL Section AWWA (August/October 2006)

CONCENTRIC INTEGRATION

MICHAEL KLEIN, PE

PROJECT MANAGER

Mike oversees a staff of electrical engineers and technicians that focus on providing planning, design, and implementation of a variety of technology related projects, including instrumentation, controls, SCADA systems, telemetry systems, and information technology projects and support. Mike provides services for all phases of these projects from initial design through final completion, and currently focuses on project management and overall operations management for the department.

Prior to becoming the Concentric Integration Automation Manager, Mike was Baxter & Woodman's Electrical Department Manager and managed a group of electrical engineers focused on providing planning, design, and management of electric power and SCADA system projects for transportation, water, and wastewater supply and treatment.

SPECIFIC HARDWARE/SOFTWARE SKILL LEVEL

Hardware

- Allen-Bradley SLC Series and Micrologix PLC platforms (highly proficient)
- Allen-Bradley CompactLogix and ControlLogix PLC platforms (highly proficient)
- Allen-Bradley PLC-5 PLC platform (proficient)
- Allen-Bradley PanelView Plus and Standard Panelview (highly proficient)
- Red Lion Operator Interface Terminals (highly proficient)
- GE 90-30 Series PLCs (proficient)

Software

- RSLogix 500 (highly proficient)
- RSLogix 5000 (proficient)
- RSLogix 5 (proficient)
- FactoryTalk View Studio ME (highly proficient)
- Crimson 2 & 3 for Red Lion OITs (highly proficient)
- GE Proficy Machine Edition (proficient)
- GE Proficy iFix (proficient)
- AutoCAD (highly proficient)
- Microsoft Visio (highly proficient)
- Microsoft Access (highly proficient

REPRESENTATIVE PROJECTS

Chicago Department of Water Management, IL
SCADA System Maintenance

Project Manager for a 5-year contract for the City's Department of Water Management, which includes support of approximately 500 PLCs, 100 OITs (operator interface terminals), over 100 servers and SCADA computers, and dozens of related network equipment. The City's Rockwell/Allen Bradley PLC5 infrastructure works with GE Proficy iFix SCADA to provide operations staff with a state-of-the art-SCADA infrastructure. The scope of work began with a full inventory and assessment of DWM's SCADA assets, moved to creating a SCADA System Master plan, developed a multi-year SCADA Capital Improvement Plan, and is now in a multi-year implementation of recommended improvements.

Mundelein, IL
SCADA System Replacement

Involvement included system design, panel installation and overall project management. The Village's existing SCADA system was becoming increasingly difficult to repair due to its age and used proprietary equipment which forced the Village to use one supplier for all modifications and maintenance. The existing system used leased phone lines for communication to remote sites which were unreliable, and response from the phone company to fix any phone line issues was poor. The project consisted of replacing all of their existing SCADA equipment with non-proprietary equipment and use of an unlicensed spread spectrum radio system for communications. Our services consisted of complete design, procurement, installation, testing, and training for the replacement SCADA system. The project consisted of a master site and seven remote sites which included pump stations, reservoirs and elevated tanks.

Fox River Water Reclamation District, IL
SCADA System Implementation Evaluation

Provided services required to develop a SCADA master plan with a focus on a detailed implementation plan and preliminary design. Tasks included the following: Develop an inventory of existing control hardware, software, and communication networks; evaluate the PLC hardware and make recommendations for upgrades; evaluate the various intra-plant and inter-plant communication networks and recommend improvements, including intra-plant fiber optic networks; meet with client to review report.

Lake County Public Water District, IL
SCADA System Assessment/Replacement

Involvement included providing all services required to complete the SCADA system assessment, as well as the system replacement project management. Tasks included attending client meetings, visiting the site and collecting field information, writing the assessment report, and managing the replacement project, including developing the transition plan. The project consisted of assessing the District's SCADA system, which encompasses the main Water Treatment Plant, remote pumping stations, elevated tanks and flow meter vaults, providing a preliminary design concept, and implementing the SCADA system replacement. The District had obsolete control hardware/software and was looking to replace the system with current technology. The replacement consisted of the installation of redundant PLCs, remote I/O panels, redundant SCADA servers and SCADA client nodes.

Fort Atkinson, WI
SCADA System Replacement

Involvement included system design, panel installation and overall project management. The project consisted of replacing obsolete, proprietary SCADA system RTUs with an industry standard PLC-based system for the City's water facilities.

BAXTER & WOODMAN Consulting Engineers

Michael W. Hudspeth

Electrical Engineer

Education

B.S., Electrical Systems Technology
Southern Illinois University, 2002

Associates Degree in Architectural Drafting & Construction Technique
Lincoln Land Community College, 1980

Joined Firm in 2005

Years of Experience: 27

Training

(4/5/06–4/6/06) Cummins – Quest Fly In training; generators, ATSs, grounding, switchgear, NEC, EPA, indoor/outdoor installations, Chicago Code (15 PDH)

(4/21/06) ACEC-Illinois and IDOT; highway lighting issues, standards, design, calculations and permits (7.5 PDH)

(10/27/06) Sternberg Lighting – "Photometry – Its use for an effective outdoor lighting plan" (1 PDH)

(07/24/07) Watt Stopper/Legrand Education Series; Best Practice for Code Compliant Lighting Controls-ASHRAE and IECC (1.5 AIA/CES LU (HSW)

(04/08/08) Building Green Chicago Conference Certificate

Mike's responsibilities include design specifications for electrical power instrumentation and controls, as well as power distribution and lighting projects. His experience focuses on electrical design and administration and he communicates well with clients and contractors. Mike was an Engineering Department Training Officer for the United States Navy for 10 years.

Representative Projects

Bensenville, IL
Design Engineer for the development of preliminary lighting layouts utilizing High Pressure Sodium, Metal Halide, and LED lighting systems to replace existing lighting systems on major IDOT and Village roadways. Provided Village with comparative analysis and cut sheets of the components of the various layouts. Met with Village to determine layout and light source based on photometric performance, construction cost, and projected operating/maintenance cost. Coordinated with IDOT to finalize plans and specifications for incorporation into IDOT construction project.

Glenview, IL - Waukegan and Chestnut Intersection Improvements
Lighting Design Engineer for Phase II design plans for the $2.8M Waukegan Road and Chestnut Avenue intersection improvements - intersection channelization, utility improvements, ROW acquisition, and traffic signal improvements. Improvements consisted of widening and resurfacing Waukegan Road and Chestnut Avenue to provide intersection channelization. Improved driveways, curb and gutter, and landscaping were included along the length of the project. Storm sewer, sanitary, and water system improvements were made. Existing lighting was salvaged and relocated as necessary.

Niles, IL - Streetlight Replacement Program
Lighting Engineer for this project includes six miles of $6.5M of lighting improvements along Milwaukee Avenue (IL 21) from Albion Avenue to Greenwood Avenue (excluding the portion between Harlem Avenue and Howard Street in the City of Chicago). The design includes removal of existing lighting and design of a new street lighting system with over 300 LED fixtures. The improvements include use of a compatible wireless adaptive control and management system for the lighting system which also required extensive utility coordination with existing and forecast utilities along the street edge and in the border areas.

LaGrange, IL - Locust at Ogden Intersection Improvements
Lighting Engineer for Phase I/II improvements to this heavily traveled intersection. The project included roadway lighting, traffic signal installation, roadway widening and resurfacing, pedestrian improvements, channelization, and accommodations for an ongoing development adjacent to the intersection. More than 30 LED lighting units were designed, including photometric analysis and full street lighting design with cabling, lighting units, and related work.

Lombard, IL - Hammerschmidt Parking Expansion
Lighting/Electrical Engineer for the design of a permeable paver commuter parking lot in Lombard's central business district.

BAXTER & WOODMAN Consulting Engineers

Matthew J. Moffitt, PE, CFM, CPESC

Stormwater Engineer

Education

Water Resources Graduate Certificate
University of Illinois at Urbana-Champaign, 2012

B.S., Civil and Environmental Engineering
University of Illinois at Urbana-Champaign, 2006

B.S. Physics
Western Illinois University, 2006

Joined Firm in 2013

Years of Experience: 11

Registrations

Licensed Professional Engineer: Illinois

Certified Floodplain Manager

Certified Professional in Erosion and Sediment Control

Associations

Palatine Rural Fire Protection District Trustee (2017-2020)

ASCE EWRI: Chicago Chapter (Chair 2017-2018)

APWA: Suburban Branch (Membership Chair and Young Professionals Liaison 2016-2019)

ASCE: Central Section - East Branch, (Past-President 2014-2016)

ISPE: Champaign County, Young Engineer of the Year 2011

Matt is the Manager of our Water Resources Department. He brings with him well rounded project experience in planning, analysis, modeling, design, bidding, and construction of open and closed drainage systems, detention/retention systems, roadways, utilities, and other civil sites. Matt values the importance of project communication and works with clients, residents, agencies, and other stakeholders from initiation through final presentation and delivery.

Representative Projects

Northbrook, IL - Wescott Park Stormwater Storage Facility
Project Engineer for design and bidding services for a 23.7-ac-ft underground stormwater storage facility in Wescott Park. The project includes three blocks of proposed 42-inch storm sewer and additional inlet capacity to convey flow to the storage vault, roadway reconstruction, restoration of the park, and installation of an irrigation system. Additionally, a rainwater harvesting system was added to the project which filters, treats, and supplies water to the irrigation system

Glenview, IL - Dewes Henley Harlem Drainage Improvements
Project Engineer assisting with the detailed design of a 15.5 acre-foot detention basin and 4,650 feet of storm sewer ranging from 12-inches to 48-inches in diameter. Modeling analysis was completed using XP-SWMM. Drainage improvements were part of a larger project including water main replacement, roadway reconstruction, and roadway resurfacing.

Glenview, IL - Harms Road Stormwater Relief Sewer & Pump Station
Stormwater Engineer for this project involving two, new storm water pump stations designed for flood control within the Village of Glenview. Station 1 has a capacity of 50 MGD with two influent relief sewers, one 84" diameter and another 54" diameter. The new relief sewers are located in a busy residential/commercial area, requiring significant sewer alignment effort as well as utility and permitting coordination (MWRD, Cook County, IDOT). The second pump station has a capacity of 32 MGD, with a 48" diameter influent relief sewer and is located within a Village Park, adjacent to a Village Park District facility, requiring substantial coordination with the Park District.

Lombard, IL - Hammerschmidt Pond Improvements
Project Engineer assisting with analysis of several flood mitigation detention and conveyance alternatives; including reconstruction and rerouting inlets, increasing detention basin volume, installation of a pump station, and use of check valves. The study included a cost benefit analysis of several options and a final report with an engineer's recommendation.

LaGrange, IL - 50th Street Relief Storm Sewer
Project Engineer assisting efforts of a regional stormwater detention and conveyance system. This system provides a new separate storm sewer system to a combined sewer region. Analysis of the stormwater was performed using XP-SWMM; furthermore, XP-SWMM 2D was used to better understand the complex surface flow by creating real-time dynamic surface flows.

Glenview, IL - Engineering Plan Reviews
Provided supplemental plan review services during periods of high review volume.

BAXTER & WOODMAN Consulting Engineers

Paul D. Siegfried, PE, CFM, CPESC

Stormwater Engineer

Education

B.S., Civil Engineering
University of Illinois, 2006

Joined Firm in 2014

Years of Experience: 11

Certifications

Licensed Professional Engineer: Illinois, Florida

Certified Floodplain Manager

Certified Professional in Erosion and Sediment Control

Associations

Illinois Association for Floodplain and Stormwater Management

Central States Water Environment Association, Illinois Branch Stormwater Committee Chair

Modeling Software Expertise

- XPSWMM
- EPA-SWMM
- HEC-RAS
- HEC-HMS
- HEC-1
- HEC-2
- TR-20
- HY-8
- PondPack

Paul has over 11 years of experience in the field of water resources engineering, focused on stormwater design and floodplain management. He works closely with municipalities to identify, plan, and implement stormwater improvement projects which will best serve their communities. Paul's experience includes flood mitigation projects, public and private developments, floodplain and floodway analyses and remapping, green infrastructure design, permitting, engineering review, and construction observation.

Representative Projects

La Grange, IL - 50th Street Relief Storm Sewer
Project Manager for design and bidding services for an approximately 4,400-foot relief storm sewer along 50th Street, extending from Spring Avenue to an outfall at the Hanson Quarry. Additionally, the project includes a lateral sewer extension that extends north to the 9th Avenue and 48th Street intersection. The purpose of the project is to reduce flooding through the South Basin region of La Grange, focused on the 50th Street and Spring Avenue and 9th Avenue and 48th Street intersections. A 2D XP-SWMM model was created to facilitate detailed design of proposed storm sewer and inlet configurations.

La Grange, IL - South Basin Modeling
Oversaw and assisted with an XP-SWMM analysis of existing conditions drainage in the South Basin region of the Village of La Grange. Evaluated five proposed drainage alternatives, including a multiple configurations of a relief storm sewer and construction of a floodwall along the east side of the La Grange Country Club. Provided recommendations in a technical memorandum.

Northbrook, IL - Wescott Park Stormwater Storage Facility
Project Manager for design and bidding services for a 23.7-ac-ft underground stormwater storage facility in Wescott Park. The project includes three blocks of proposed 42-inch storm sewer and additional inlet capacity to convey flow to the storage vault, roadway reconstruction, restoration of the park, and installation of an irrigation system. Additionally, a rainwater harvesting system was added to the project which filters, treats, and supplies water to the irrigation system.

Waukegan, IL - Sewer System Model Review
Assisted with preparation of an XP-SWMM hydrologic and hydraulic model to evaluate impacts of proposed upstream storm sewer improvements on the Glen Flora Country Club and downstream areas. A memorandum was prepared which summarized results of the analysis.

Skokie, IL - Sewer System Model Review
Oversaw and assisted with peer review of three XP-SWMM models encompassing the Village's five combined sewer districts, prepared by another consultant. Summarized findings and provided recommendations in a technical memorandum.

McHenry County, IL - Engineering Review Services
Provided review permit applications for compliance with the McHenry County Stormwater Ordinance and other applicable Federal, State, and local regulations.

BAXTER & WOODMAN Consulting Engineers

Stephen R. Amann, PE, CFM

Stormwater Engineer

Education

BS, Civil Engineering, University of Illinois Urbana-Champaign, 1985

Joined Firm in 1997

Years of Experience: 32

Registrations

Licensed Professional Engineer: Illinois

Certified Floodplain Manager: Illinois

Associations

American Society of Civil Engineers
Illinois Association for Floodplain and Stormwater Management
Lower DuPage River Watershed Coalition

Papers/Presentations

Groundwater Flooding in Residential Subdivision, IAFSM Annual Conference, 2010, Research, analysis and alternative solutions to address elevated groundwater to reduce sump pump run times

The Highlands Ravine Stabilization, IAFSM Annual Conference, 2012, Field investigations, alternative analysis, design and construction of hybrid slope stabilization measures

Steve leads our company in the review and permitting of development projects in urban, suburban and rural environments, with a focus on stormwater management facilities. He has earned the designation of Certified Floodplain Manager, and promotes effective and innovative designs of floodplain and stormwater management systems for municipalities and developers. His experience includes the development and maintenance of multiple MS4 NPDES II permit programs, and the design and review of all aspects of stormwater management. He is active in the development and subsequent updates of development, stormwater management and floodplain ordinances. Steve promotes the implementation of stormwater Best Management Practices in development ordinances and through the review of private site improvements on behalf of governmental entities. As part of the development review process, Steve coordinates with multiple government departments, outside agencies, contractors and adjacent property owners.

Representative Projects

Beecher, Berkeley, Country Club Hills, Glenview, Hazel Crest, LaGrange, Olympia Fields, Plainfield, County of Will
Prepared Notices Of Intent to comply with 2016 NPDES II General Permit ILR40 for Municipal Separate Storm Sewer Systems; coordinated NPDES Phase II program creation, implementation, updates and reporting; assisted in mock and actual permit program audits; presented training to individual municipalities' staff and to general audiences including March 2016 workshop on ILR40 permit updates.

Beecher, IL
Coordinate and review drainage improvements to existing subdivision to mitigate downstream impacts. Review single-family homes for grading plan compliance.

Glenview, IL
Coordinate review of multi-family, institutional and commercial projects, from initial due diligence meetings with developers, through Plan Commission and Village Board reviews, to detailed plans, calculations and specifications and final permits; coordinate work by multiple reviewers, with multiple Village Departments, and with outside agencies.

Olympia Fields, IL
Review of development plans for residential, institutional and commercial sites, including coordination with adjacent municipality.

Park Forest, IL
Review of development plans, including mixed-use redevelopment of existing golf course, and proposed drainage modifications by adjacent community.

Lockport, IL
Project Manager for area-wide stormwater conveyance plan, including XP-SWMM modeling, GIS mapping, and development of preliminary plans and estimates.
Project manager for a study analyzing the causes of persistent sogginess and standing water in the dry detention basin in the Victoria Crossings East subdivision. The study inventoried the existing problems, detailed the probable causes of the drainage issues, and provided recommendations for remediation measures.
Project manager for design, permitting and bidding of relief storm sewer to alleviate downstream flooding, based on preliminary XP-SWMM analysis.

BAXTER & WOODMAN Consulting Engineers

Emily F. Grimm, PE, CFM
Stormwater Engineer

Education

M.S., Civil Engineering
Purdue University, 2013

B.S., Civil Engineering
Purdue University, 2011

Joined Firm in 2013

Years of Experience: 4

Certifications

Licensed Professional Engineer: IL

Certified Floodplain Manager

Emily earned both her Bachelor of Science and Master of Science degrees in Civil Engineering from Purdue University. Her coursework focused on environmental fluid mechanics and open channel hydraulics. Her master's thesis work centered on the hydrodynamics of river plumes in Lake Michigan. She is a member of the firm's Water Resources Group and assists senior engineers on a variety of stormwater related projects.

Representative Projects

Glenview, IL - Village Plan Reviewer
Reviews engineering plans for new single family homes, additions, residential flood control structures and drainage improvements, utility permits. Assists the review of commercial engineering plan reviews.

Kenilworth, IL - Stormwater Planning and Drainage Improvements
Project Engineer assisting in the separation of the combined sewer in Kenilworth to a separate storm sewer. The project includes modeling the existing combined sewer and the proposed storm sewer for the Village of Kenilworth. The modeling also includes an analysis of Skokie Ditch and exploring the possibility of restoring Skokie Ditch's connection to Lake Michigan. The project is using both XP-SWMM and EPA SWMM software to incorporate BMPs such as permeable pavers and rain gardens into the proposed storm sewer model to determine both their hydraulic and water quality impacts.

Village of Shorewood, WI - Combined Sewer Service Area Environmental Assessment
Project Engineer for a study to address the street flooding and basement backups in areas of the Village since the major rain events of 2010. The study area is the combined sewer service area south of Capitol Drive. The Combined Service Area Environmental Assessment study will provide the basis for addressing street flooding and providing basement backup protection in the study area. The previous technical study of the combined sewer service area will be refined and include a review of the regulatory requirements for proposed improvements, an assessment of the environmental impacts, proposed methods to alleviate the impacts, alternatives, cost estimates of improvements, and an implementation plan.

Elgin, IL - NPDES Phase II Assistance
Project Engineer working with the City to provide comprehensive services to meet the requirements of the IEPA's General NPDES Permit No. ILR40 for Municipal Separate Storm Sewer Systems. Services provided included preparation of permit renewals and Annual Facility Inspection Reports, as well as outfall inspections and water quality monitoring.

Lake Forest, IL - Stormwater Drainage Study
Assisted in a new comprehensive Stormwater Drainage Study, which includes a Citywide storm sewer system analysis using XP-SWMM and concept plans complete with cost estimates for alternative improvements in priority problem areas. The scope of services also includes a roadside ditch analysis with recommendations for drainage improvements in areas not served by storm sewers.

BAXTER & WOODMAN Consulting Engineers

Derek J. Wold, PE, BCEE

Senior Wastewater Engineer

Education

B.S. Civil Engineering, University of IL at Champaign-Urbana, 1996

M.S. Environmental Engineering, IL Institute of Technology, 2002

Joined Firm in 1996

Years of Experience: 21

Registrations

Licensed Professional Engineer: IL

Board Certified Environmental Engineer, American Academy of Environmental Engineers

Honors & Awards

2017 Central States Water Environment Association: Collection Systems Award

Associations

American Water Works Association

Water Environment Federation, CSWEA

- Chair, IL Section 2013-2014
- Chair, IL Section Collections Systems Committee, 2011-12
- Technical Paper Committee, 2012-17

Seven S Member
Golden Manhole

Derek leads Baxter & Woodman's Wastewater Group and serves as Vice President on the firm's Board of Directors. He works closely with many growing and established municipalities and Sanitary Districts on planning infrastructure to serve growth and redevelopment areas, and is the recognized water/wastewater expert for the many local municipalities the firm serves such as Plainfield, Downers Grove (Sanitary District), Elmhurst, Carol Stream, Thorn Creek Basin Sanitary District, Crystal Lake, Crest Hill, and more.

Representative Projects

Kishwaukee Water Reclamation District, IL - Phase 1B Biological Improvements

Project Manager for the proposed Phase 1B Biological Improvements including upgrades to the raw sewage pumping process, construction of new primary clarifiers, new fermenter, a new A20/5-stage Bardenpho biological process to meet anticipated ammonia limits and future nutrient removal requirements, construction of final clarifiers and new UV disinfection facilities, grease receiving station, biogas treatment, combine heat and power biogas generator, sidestream equalization, improvements to the excess flow treatment capability and a Lab-Administration Building.

Lombard, IL
IL Route 53 Stormwater Pumping Station

Project Advisor for preparation of a preliminary report and design of a 25,000 gallon per minute stormwater pumping station located west of IL Route 53 (and I-355) on the east side of the East Branch DuPage River. The existing facility constructed in 1975 had reached its design capacity and was located in a floodplain/wetland area. Two alternatives were considered: renovation of the existing pump station, and construction of a new pump station. The Village determined that a new pumping station would be substantially easier to construct, permit and operate. The new facility was designed for a pumping capacity of 170 cubic feet per second, more convenient grit removal, and smaller dubmersible pumps. The computer model of the East Barch of the DuPage River was updated and hydraulic analysis performed to determine allowable pumping capacities. The pump station's mechanical, structural and electrical needs were evaluated. The existing pump station layout and hydraulics were reviewed and conceptual pump arrangements and costs were developed.

Beecher, IL - Trim Creek Sanitary Relief Sewer Improvements

This project involved relief sewer improvements to help the Village accommodate future growth to the north without affecting homeowners downstream. The project included 2,100 feet of 21-inch sanitary sewer installed by open cut and jacking in steel casings.

New Lenox, IL - Sanitary Sewer Master Plan

Project Engineer for a sanitary sewer master planning study. This study was to establish a proposed trunk sewer network for the comprehensive planning area. The existing sewer system was evaluated using flow monitoring data from a five year period. The proposed trunk sewer network was evaluated based on population projections for future growth areas and flow monitoring data for existing sewered areas.

BAXTER & WOODMAN Consulting Engineers

Christopher F. Buckley, PE, BCEE

Senior Wastewater Engineer

Education

MBA, DePaul University, 2008

B.S., Civil and Environmental Engineering, Marquette University, 1994

Joined Firm in 2009

Years of Experience: 22

Registrations

Licensed Professional Engineer: Illinois

Board Certified Environmental Engineer, American Academy of Environmental Engineers

Computer Skills

AutoCAD
AutoCAD Civil 3D
XP-SWMM
ARCInfo
WaterCAD

Papers/Presentations

Newer Blower Technologies Offer Substantial Energy Savings Now
CSWEA, 2011

Improving the Big 'Ole Ditch
Watercon, 2013

Chris specializes in water and wastewater project studies, preliminary and final design, construction phase services, and collection system and wastewater operations. He previously served as District Engineer for the Flagg Creek Water Reclamation District overseeing administration and operation of the sewer collection system and wastewater treatment plant.

Representative Projects

Lombard, IL - IL Route 53 Stormwater Pumping Station
Project Manager for preparation of a preliminary report and design of a 25,000 gallon per minute stormwater pumping station located west of Illinois Route 53 (and I-355) on the east side of the East Branch DuPage River. The existing facility constructed in 1975 had reached its design capacity and was located in a floodplain/wetland area. Two alternatives were considered: renovation of the existing pump station, and construction of a new pump station. The Village determined that a new pumping station would be substantially easier to construct, permit and operate. The new facility was designed for a pumping capacity of 170 cubic feet per second, more convenient grit removal, and smaller submersible pumps. The computer model of the East Branch of the DuPage River was updated and hydraulic analysis performed to determine allowable pumping capacities. The pump station's mechanical, structural and electrical needs were evaluated. The existing pump station layout and hydraulics were reviewed and conceptual pump arrangements and costs were developed.

Lombard, IL - Fairview Lift Station Improvements
Lift Station Design Advisor for rehabilitation of the Village's Fairview Lift Station. Construction included installation of an additional wet well structure, rehabilitation of the existing wet well structure, replacement of existing submersible sewage pumps, a new pump control panel, new natural gas standby generator, replacement of the existing flow meter; replacing the air release valve off site, and various site improvements (such as paving and lighting).

Hanover Park, IL
Project Manager for raw sewage pumping station rehabilitation. The project includes new submersible pumps and guide rods for the Village's WWTF Raw Sewage Lift Station and other miscellaneous improvements.

Frankfort, Illinois
Project Engineer for West and North Wastewater Treatment Plant Raw Sewage Pumping Stations

Glenbard Wastewater Authority, IL - Asset Analysis and Alternative Funding Study
Project Engineer for the preparation of an Equipment Asset Analysis and Funding Alternative Study to provide an equitable funding strategy that reflects the Authority's true cost of service to its affected customers. This analysis summarizes the condition and replacement cost of existing assets and development of a preliminary strategy to fund the maintenance and replacement of these assets.

BAXTER & WOODMAN Consulting Engineers

Amanda L. Sheposh, PE

Wastewater Engineer

Education

M.S., Environmental Engineering, University of IL at Urbana - Champaign, 2009

B.S., Civil Engineering, University of IL at Urbana - Champaign, 2008

Joined Firm in 2009

Years of Experience: 8

Registrations

Licensed Professional Engineer: IL

Associations

Water Environment Federation

Central State Water Environment Association

- Annual Conference Local Arrangements Committee Vice Chair, 2012
- IL Section Operations Co-Chair, 2010 - 2012
- Ad Hoc Anaerobic Digester Foaming Committee Member, 2010 - 2011

APWA IL Section Sustainability Committee Member, 2011

Papers/Presentations

WEFTEC: October 2012, New Orleans, LA.
"Comparison of Ammonia and DO Aeration Control Strategies to Optimize Energy and Process at Low Capital Cost: Case Study at Wheaton Sanitary District."
Podium Presentation.

Mandy specializes in wastewater treatment plant design and process engineering. She has served as project engineer/manager on wastewater facility planning, preliminary and final design of major improvement projects, controls improvements, and the evaluation and design of FOG receiving and CHP facilities. She has been involved in energy audits and energy reduction projects at over a dozen facilities in the Midwest. She was recognized as the 2012 Outstanding Young Professional by both the Water Environment Federation (WEF) and also the Central States Water Environment Association (CSWEA).

Representative Projects

Kishwaukee River Reclamation District, IL - Phase 1B Biological Improvements
Project Engineer for the proposed Phase 1B Biological Improvements including upgrades to the raw sewage pumping process, construction of new primary clarifiers, a new A20 biological process to meet anticipated ammonia limits and future nutrient removal requirements, construction of tertiary clarifiers and new UV disinfection facilities, and expansion of the excess flow treatment capacity. It is intended that, at the completion of Phase lB, the treatment facility will continue to maintain a capacity of 8.63 MGD, but will meet current and future regulatory requirements and have a simplified hydraulic profile.

Village of Mundelein, IL - Energy Performance Contract
Project Engineer for cooperative project with Johnson Controls to reduce costs at the Village's water and wastewater facilities via reduced energy consumption and streamlined operations. Recommended improvements included: Plant & Lift Station SCADA Automation; Comprehensive Aeration System Improvements; Sludge Pumping; Digestion Improvements; and Water System Improvements. Grant funding was pursued to offset a portion of the improvements cost.

City of Elmhurst, IL - Energy Study and Biogas Utilization
Project Engineer for evaluating a CHP system with gas conditioning for using treated digester gas as the fuel source. The project recommended CHP to generate electrical and thermal energy from biogas, reducing facility dependence on electrical and natural gas consumption. Improvements were recommended to accept hauled wastes for substantial increases in digester gas production. Elmhurst's Wastewater Treatment Plant has an average electrical demand of 12,600 kWh per day and treats an average of 8 million gallons of wastewater daily. Baxter & Woodman also assisted the City with grant applications.

Downers Grove Sanitary District, Downers Grove, IL - Various Projects
Project Engineer for various projects at the District, including preliminary and detailed design, compilation of bidding documents including plans and specifications, and cost estimates of excess flow clarifier sludge pump equipment, biogas collection system analysis and study, and preliminary designs for hydraulic improvements for the secondary clarifiers.

Glenbard Wastewater Authority, IL - Combined Heat and Power System Evaluation and Design/Build Project
Project Advisor/Sr. Engineer for the evaluation and design/build of a CHP system that operates using digester gas and natural gas as the fuel source. The CHP will offset electrical energy and use heat produced for heating the anaerobic digesters.

BAXTER & WOODMAN Consulting Engineers

Amanda R. Heller, EIT, ENV SP

Wastewater Engineer

Education

M.S., Environmental Engineering, Milwaukee School of Engineering, 2013

B.S., Architectural Engineering-Mechanical Systems, Milwaukee School of Engineering, 2013

Joined Firm in 2014

Years of Experience: 5

Certifications

Engineer-in-Training, Wisconsin

Envision Sustainability Professional, Institute for Sustainable Infrastructure

Honors & Awards

2017 Central States Water Environment Association: Global Water Stewardship Award

2013 Central States Water Environment Association: Academic Excellence Award

2013 Central States Water Environment Association: Student Paper Competition: Graduate Winner

Previous Work History

Assistant Project Manager, J.F. Ahern Co. Fond du Lac, WI (2012 – 2014)

Amanda earned a Master of Science degree in Environmental Engineering and a Bachelor of Science degree in Architectural Engineering - Mechanical Systems from the Milwaukee School of Engineering. She completed her Master's thesis on Wastewater Treatment Technologies. Amanda recently joined Baxter & Woodman as an Environmental Project Engineer in our Wastewater department.

Representative Projects

Kishwaukee Water Reclamation District, IL - Phase 1B Biological Improvements

Project Engineer (Raw Sewage Pumps, Primary Clarifiers, Fermenter, UV and Sludge Pumps) for the design, permitting and construction of Phase 1B Biological Improvements including upgrades to the raw sewage pumping process, construction of new primary clarifiers, new fermenter, a new A20/5-stage Bardenpho biological process to meet anticipated ammonia limits and future nutrient removal requirements, construction of final clarifiers and new UV disinfection facilities, grease receiving station, biogas treatment, combine heat and power biogas generator, sidestream equalization, improvements to the excess flow treatment capability and a Lab-Administration Building.

Madison Metropolitan Sewerage District, WI - Pump Station 15 Sustainable Improvements

Project Engineer for a set of sustainable improvements to upgrade the condition, capacity, and reliability of the station. The improvements included: increased the station's design capacity for average daily flows and firm pumping capacity; Installed new pumping equipment, pipes, valves and appurtenances; new electrical and control systems; new flow monitoring equipment; back-up power options including dual electrical feeds and/or generator; new HVAC and odor control systems; building addition to include a superstructure to house new equipment (options for the superstructure included rest rooms, a fish-cleaning station, and a boat wash to remove invasive aquatic plants); inspect, repair and protect corroded concrete in wet well; rehabilitate and automate wet well sluice gates; rehabilitate or replace diversion manhole to PS 5; surge analysis for the force mains to both PS 8 and PS 16; other improvements as needed including screens, cranes, landscaping, driveway/ pavement, plumbing, water service, gas service; and incorporation of regional sustainable living initiatives including solar panels, pervious pavements, picnic/bench/kiosk areas, spurs to nearby recreational trails/parks and other initiatives identified during the ISI envision design process.

Town of Somers, WI - Sheridan Road Lift Station Replacement

Project Engineer for replacement of the existing 600 gpm dry pit submersible sewage lift station with a larger wet pit submersible station with the discharge piping, standby generator, and sampling facilities within a building on the site. Each pump in the Sheridan Road Station will have a capacity of approximately 1000 gpm. The new lift station will include submersible pumps in with on-site equipment to facilitate removal of pumps for maintenance and cleaning of the wet well with a Town owned vactor truck. Other features included are a hinged entry hatch for the wet well, a shut-off valve on the station inlet, and an emergency connection port to facilitate emergency pumping. The lift station will also be equipped with standby power and a building for housing controls and generator equipment. Site approvals are necessary from the Wisconsin Department of Natural Resources (Waterway).

BAXTER & WOODMAN Consulting Engineers

Daniel G. Bounds, PE

Wastewater Engineer

Education

M.B.A. - Business Administration, Eastern Illinois University, 2001

B.S. - Civil Engineering, University of Illinois, 1993

Joined Firm in 2016

Years of Experience: 24

Honors/Awards

Diplomat, Water Resources Engineer (D.WRE), American Academy of Water Resources Engineers, 2009

Registrations

Licensed Professional Engineer:
Illinois
California

Dan specializes in environmental engineering and regulatory management, with emphasis on watershed planning; stormwater program management; surface water quality; and wastewater treatment, including NPDES permitting, program management and compliance assistance. He has comprehensive experience with federal and state regulatory agencies regarding point and non-point source NPDES; TMDLs; combined sewer overflow/sanitary sewer overflow (CSO/SSO); industrial pretreatment; and other water resources management issues.

Dan has taken the lead in the development and implementation of numerous aspects of regional and municipal NPDES programs, including the development of model programs; funding; data collection requirements; program prioritization efforts; model maintenance procedures; inspection and enforcement procedures; and environmental performance reporting; often requiring coordination and negotiation with regulatory agencies.

Representative Projects

While working for Baxter & Woodman and others:

Various Communities - MS4 Program Development and Implementation

Dan is a locally and nationally recognized expert in MS4 program development and implementation. He leads a team MS4 permit implementation staff focused on determining the best use of available resources for compliance with the permit. Dan leads a quarterly MS4 program implementation meeting with IEPA staff that helps clear up permit requirements and implementation options and expectations. Staying on the forefront of Illinois requirements and gaining experience in other states' programs allows Dan to develop innovative solutions for implementation and compliance.

Woodstock, IL - Capacity Management Operations and Maintenance Plan Development

Project Manager for preparation of the NPDES permit-required sewer system CMOM assessment and documentation, which includes collecting and reviewing system performance data, system operational measures and activities, system evaluation and response plans, reporting and monitoring requirements, and resident notice plans. An asset management plan evaluation is also being performed as part of the assessment.

Fontana, CA - CMOM Program Development

Project Manager for the development of the City's original CMOM program elements and program documentation. The program resulted from coordination of several different public works departments and staff into numerous program responsibility and coordination components. Recommendations for program elements were developed and implemented, along with program effectiveness ratios specific to the City for ongoing CMOM effectiveness assessments.

IDOT District 1, IL - Stormwater Hydraulic Analysis

Project Manager for various hydraulic modeling and analysis tasks for IDOT District 1, including drainage investigations; stormwater pump station analysis; erosion studies; and improvement recommendations.

BAXTER & WOODMAN Consulting Engineers

Eric J. Murauskas, PE

SSES Engineer

Education

B.S. Civil Engineering, Iowa State University, 1989

Joined Firm in 1989

Years of Experience: 28

Continuing Education

Annual courses conducted by Marsh-McBirney that include instruction ranging from site selection and flow meter installation to analysis of flow data

Training courses in the use of Visual-Modflow, a software package for modeling groundwater movement

Training courses for well design and rehabilitation

Training courses for the use of WaterCAD, a software package for modeling water distribution systems

Registrations

Licensed Professional Engineer: Illinois

Certifications

Manhole Assessment Certification Program, NASSCO, Inc.

Lateral Assessment Certification Program, NASSCO, Inc.

Pipeline Assessment Certification Program NASSCO, Inc.

Eric has developed strong expertise in water supply well design, test well drilling programs, and water treatment plant design. He also is well versed in many areas including sanitary sewer evaluation studies, sanitary sewer flow monitoring, sanitary sewer rehabilitation, stormwater drainage studies, sewer system design, and municipal services.

Eric is knowledgeable in the application of various computer programs used for design and evaluation purposes. Some of these include: XP-SWMM, which is used to determine the capabilities of an existing storm water drainage system to handle current and future needs, and to evaluate alternative improvements to correct deficiencies; MODFLOW, which is used to model groundwater flow for Wellhead Protection Programs; and FLO-WARE, which is used for modeling water distribution systems.

Eric recently completed the CIPP Inspector Training and Certification Program from NASSCO, Inc. NASSCO's Inspector Training and Certification Program (ITCP) is a new standard national training and certification program that provides field construction professionals with comprehensive learning and tools to understand and inspect trenchless pipeline renewal technology.

Representative Projects

Carol Stream, IL - Sanitary Sewer Evaluation Study – Basin 13

Project Manager for the Sanitary Sewer Evaluation Study (SSES) for the Village of Carol Stream. The purpose of the SSES was to determine remediation strategies for reducing excess infiltration and inflow (I/I). The investigation included inspection of 240 manholes, smoke testing of approximately 60,000 feet of sanitary sewer, dyed-water testing of the storm sewer system, and review of closed circuit television (CCTV) sewer inspections. A technical report was prepared summarizing the findings, identified I/I sources and their estimated I/I contribution, presented our recommendations for rehabilitation, and provided a cost estimate for the rehabilitation work.

Cary, IL - Sanitary Sewer System Rehabilitation

Project Manager for internal sewer television inspection of approximately 16,000 feet of the Village's sanitary sewers. A condition assessment of the sewer pipes was made from review of the television inspection videos and a sanitary sewer rehabilitation program was developed. The rehabilitation program consisted of the design and construction engineering for the rehabilitation of the sanitary sewer system using cured-in-place pipe (CIPP). The construction included placement of approximately 11,000 feet of 8-inch diameter manhole-to-manhole sanitary sewer lining.

Country Club Hills, IL - Wastewater Flow Monitoring

Project Manager for the development and implementation of a flow monitoring program to measure flows in the Village's sanitary sewer system. The program included installation of 12 flow meters. The flow meter data was analyzed to calculate the dry weather and wet weather flow from each flow basin. This analysis identified areas of the areas of the sanitary sewer system that contributed the most infiltration and inflow (I/I), prioritized flow basins for further study to identify I/I sources, and recommended additional sanitary sewer evaluation study (SSES) procedures to complete in each flow basin.

BAXTER & WOODMAN Consulting Engineers

Craig D. Mitchell, PE

Construction Project Manager

Education

B.S., Civil Engineering Iowa State University, 1989

Joined Firm in 2004

Years of Experience: 28

Registrations

Licensed Professional Engineer: Illinois

Licensed Professional Engineer: Wisconsin

Licensed Professional Engineer: Florida

IDOT Certifications

Small Drainage Structures Documentation (Cert No. 16-12231)
ICORS
Bridge Superstructures
Concrete Structures Other Than Bridge Decks
Continuously Reinforced PCC Pavement
Earth Excavation and Embankment
Erosion Control
HMA Binder & Surface Course
HMA Pavement (full depth)
HMA Shoulders
Pavement Patching
Piling
Pipe Culverts
PCC Pavement
Stabilized Subbase
Storm Sewers
Structural Steel Bolting

IDOT Specific Task Trainer

Former instructor for IDOT Piling and Concrete (Bridge) Structures Training Programs

Craig joined the Baxter & Woodman team after a 15-year career with the Illinois Department of Transportation (IDOT). His primary focus at IDOT was with the Bureau of Construction, most recently holding the position Construction Supervisor. In that role, he oversaw the construction of 40 to 60 State highway and bridge projects per year and supervised 25 resident engineers and 50 construction inspectors in northern Cook, Kane and DuPage counties. With our firm, Craig serves as construction manager on numerous large, complex transportation and infrastructure improvement projects and now heads our Construction Services Group.

Representative Projects

Illinois Department of Transportation, Phase III Engineering Services
Local agency area engineer to support IDOT staff in managing local agency federally funded projects. This work involves working directly with the local agency and their consulting firms, as well as other Bureaus in IDOT. The Project Managers perform work similar to an IDOT Resident Engineer/Supervisor, typically on-site in the District offices. This work includes engineering, technical support, engineering management, project control, administrative services and field assignments necessary in bringing expeditious completion to projects.

Below is a sampling of the projects for which Craig has served as Construction Manager while at Baxter & Woodman, Inc:
City of Crystal Lake: Lake Avenue/Country Club Road/Lakeshore Drive
City of DeKalb: Macom Drive Park 88 Roadway Installation (MFT/Grant-funded)
City of Marengo: 2005 Maintenance Program
City of Marengo: 2006 MFT Improvements
DuPage County DOT: Hobson Rd/59th St Bike Trail
Township of Algonquin: Pedestrian Improvements Project
Village of Cary: 2005-2009 MFT Road Program
Village of Cary: Maplewood School Area Infrastructure Improvements
Village of Cary: Crystal Lake Avenue LAPP Improvements
Village of Cary: US Rte 14/East Main St ARRA Intersection Improvements
Village of Cary: Three Oaks Rd/Silver Lake Rd ARRA Intersection Improvements
Village of Huntley: 2005 Street and Infrastructure Program
Village of Huntley: Haligus Road (Reed Road to Village Limit)
Village of Huntley: Haligus Road Extension (Main Street to Dundee Road)
Village of Huntley: Manhattan Drive Extension
Village of Huntley: Ruth Road (Main Street to Dundee)
Village of Island Lake: 2006-2011 MFT Improvements
Village of Kirkland: 2006 MFT Improvements
Village of Lakemoor: IDOT LAPP Roadway Improvements
Village of Lakewood: 2008 Haligus Road LAPP Improvements
Village of Lakewood: 2009 Haligus Road/Huntley Road LAPP Improvements
Village of Maple Park: 2006 MFT Improvements
Village of Ringwood: Barnard Mill Road LAPP Improvements
Village of Ringwood: IDOT LAPP Roadway Improvements
Village of Skokie: East Oakton Street Improvements
Village of South Elgin: Spring Street LAPP Improvements
Wynstone Property Owners Association: Roadway Rehabilitation Project

BAXTER & WOODMAN Consulting Engineers

Jacob G. Holmbeck, PE

Resident Engineer

Education

B.S., Civil Engineering
Bradley University, 2007

Joined Firm in 2007

Years of Experience: 10

Registrations

Licensed Professional Engineer: Illinois

Licensed Professional Engineer: Florida

Certifications

IDOT Courses
ICORS

Documentation (Cert #16-11284)

Soils Field Testing and Inspection

Inspection of Erosion & Sediment Control Best Management Practices

Mixture Aggregate Technician

Hot Mix Asphalt Level I

Nuclear Density Tester

PCC Level 1

National Stormwater Center
NPDES Certified Stormwater Inspector

Kane-DuPage Soil & Water Conservation District
"Soil Erosion Sediment Control Planning from the Trailer" seminar, February 2015

Doug Cartland, Inc.
"Problem/Communication Resolution" training, 2017

Jake assists with the preparation of transportation and drainage improvement design plans and contract documents. He also has performed quantity and design calculations, cost estimating, surveying, traffic counts and construction observation. He spent two summers as a Construction Inspector for the Illinois Department of Transportation in District 3 where he reported to the project Resident Engineer and was responsible for inspection of the contractors' work, documenting contract quantities, layout, and field testing of materials.

Representative Projects

DuPage County Division of Transportation, IL - 75th Street/Plainfield-Naperville Road Improvements
Resident Engineer for intersection widening and the addition of new turn lanes at the intersection of 75th street and Plainfield/Naperville Road. The improvements include two through lanes, two left turn lanes, and one right turn lane on 75th Street, in each direction. Once the widening was constructed, the entire roadway was resurfaced. The project also included traffic signal modernization.

Bensenville, IL - 2010 Street and Water Main Replacement
Project Engineer for installation of 3,000 feet of 8 inch water main, valves, fire hydrants and water services, curb and gutter removal and replacement, sidewalks, driveways, and roadway resurfacing (milling, patching, and paving), and parkway restoration.

Illinois Department of Transportation
PTB 133/006, District 2, Work Order #4
Assist the Resident Engineer with 3.64 miles of pavement patching and resurfacing on US Route 52 between Hinkle Road to Mendota. Responsibilities are to assist with all documentation which includes, but is not limited to, job diary, weekly reports, daily quantities, field books, calculations, and layout. Also performs inspection and documentation of pay quantities, construction staking and layout as required. Responsible for ICORS documentation. Estimated project construction cost is $1,300,000.

Plainfield, IL - 127th and Van Dyke
Provided construction and inspection services for the reconstruction of 127th Street to 5 lanes and the signalization of the 127th Street and Van Dyke Road intersection. The project included roadway reconstruction; storm sewer installation, roadway lighting, a landscaped median; a new bicycle path, sidewalks, and traffic signal installation at the intersection of 127th Street and Van Dyke Road.

Plainfield, IL - 127th and Stewart Road Water Main
Provided construction and inspection services for the installation of approximately 4,680 feet of 20-inch water main on 127th Street from the northeast corner of Grande Park Neighborhood 8 to Stewart Road. The project required coordination with the construction of the proposed bike path on the south side of 127th Street.

BAXTER & WOODMAN Consulting Engineers

James L. Scribner, DECI

Resident Engineer

Education

Basic Surveying
Residential Blueprint
Commercial Blueprint
Safety

Joined Firm in 2003

Years of Experience: 32

IDOT Certifications

Documentation (#15-0383)

Small Drainage Structures

ICORS

Fundamentals of Storm Water Pollution and Erosion & Sediment Control

Inspection of Erosion & Sediment Control Best Management Practices

Certifications

Certified Designated Erosion Control Inspector, Lake County Stormwater Management Commission

Doug Cartland, Inc.
"Creating Excellence in Communication and Customer Relations" training, 2016

Jim joined Baxter & Woodman, Inc. with 18 years of experience in construction, from initial excavation through pavement surfacing and landscaping. He is familiar with IDOT policies and procedures and is IDOT-certified for documentation. Jim has been trained in the use of IDOT's ICORS software.

Jim serves as Resident Engineer and provides general construction assistance to many of our municipal clients. He continually strives to keep our clients informed by promoting open communication and working closely with the clients and contractors for successful project completion.

Representative Projects

Annual MFT Street Maintenance Programs
Buffalo Grove – 2003, 2013
Fox River Grove – 2013
Glenview – 2011–2014
Grayslake – 2010-2012, 2014
Delavan – 2009
Mount Prospect – 2013-2014
Prospect Heights – 2011-2013
Winthrop Harbor – 2003-2008, 2010, 2012-2014
Zion – 2002-2008

Grayslake, IL – Sanitary Interceptor Sewer Installation
Provided construction services for the installation of approximately 14,021 lineal feet of 30-inch sanitary sewer which included manholes; pavement, parkway and wetlands restoration; and a connection to the Lake County Public Works Northeast Central Pumping Station. This work was performed on Atkinson Road, Brae Loch Road and the College of Lake County property.

Franklin Park, IL - Franklin Avenue Rehabilitation
Assisted with Phase III Construction Engineering for the rehabilitation of 1.6 miles of Franklin Avenue from the western Village limit near the Canadian Pacific Railroad (CPRR) overpass to Williams Drive. We assisted the Village with obtaining/implementing various funding sources for this project including STP, MFT, local, and IDOT monies for this $2.9 million project.

Round Lake, IL - Long Lake Drive STP Improvements
Construction observation for full-depth hot mix asphalt resurfacing of Long Lake Drive with minor curb and gutter repairs and the installation of additional storm sewer laterals. ADA-compliant sidewalks were installed, as well as a carriage walk that required a design variance. New storm sewer structures and storm sewer pipe to correct existing drainage issues were installed. The project was federally funded by STP through LCCOM.

Glenview, IL - Glen of North Glenview Commuter Parking Lots
Resident Engineer for the construction of three commuter parking lots, adding 449 parking spaces at The Glen of North Glenview Metra Station. Two lots east of Lehigh Avenue were constructed of conventional asphalt and the 332-space Compass Road lot was constructed with pervious concrete pavement. This project also included over 90 tree plantings and installation of LED lighting and a bio-swale system.

BAXTER & WOODMAN Consulting Engineers

Christopher M. Baumann, DECI

Resident Engineer

Education

B.S., Civil Engineering
Marquette University, 2014

Joined Firm in 2014

Years of Experience: 5

IDOT Certifications

ICORS

Documentation of Contract Quantities (Cert. 15-0356)

Fundamentals of Storm Water Pollution and Erosion and Sediment Control

Inspection of Erosion & Sediment Control Best Management Practices

IDOT Mixture Aggregate Technician

IDOT Hot Mix Asphalt Level I Technician

IDOT Nuclear Density Tester

PCC I/IDOT/ACI Concrete Field Testing Technician – Grade 1

Certifications

Certified Designated Erosion Control Inspector, Lake County Stormwater Management Commission

Continuing Education

Stabilization Workshop, March 2015 (LaFarge North America and Midland Standard Engineering & Testing, Inc.)

Chris assists with construction services for local, state and federally funded projects providing construction observation of various roadway and infrastructure improvements. He has also provided design assistance to senior engineers on various transportation and infrastructure related projects. Chris interned with Baxter & Woodman before joining the firm full-time in 2014.

Representative Projects

Glenview, IL - Waukegan/Chestnut Intersection Improvements
Construction observation for improvements to 0.5 miles of Waukegan Road (IL Route 43). Improvements consisted of roadway widening and resurfacing, construction of storm sewers and water main, Portland cement concrete base course widening, hot-mix asphalt binder and surface courses, combination concrete curb and gutter, driveway replacement, concrete sidewalks replacement, traffic signal modernization, thermoplastic pavement markings, sodding, and all incidental and collateral work necessary to complete this project.

McHenry County Division of Transportation - IL Route 176/Walkup Road Improvements – Phase 2
Construction Engineering Services for CMAQ/STP-funded improvements in two locations along the Walkup Road corridor: the Walkup Road and IL 176 intersection and the northern leg of the Walkup Road corridor from IL 176 to Bull Valley Road. Includes the reconstruction of Walkup Road from south of Gates Street to Burning Bush; the reconstruction of IL 176 from 1st Street to the railroad underpass; installation of right turn lanes; upgrades to traffic signals at IL 176; improvements to side street access and better sightlines with the profile corrections; addition of a center left turn lane; right turn lanes at select intersections; new installation of traffic signals at Mason Hill Road; and bicycle path.

Fox River Grove, IL - Doyle/Plum Tree/Algonquin Improvements
Resident Engineer for the improvements which included full removal of the hot-mix asphalt (HMA) on Doyle Road, aggregate base patching, and HMA binder and surface course installations. Additional work on Doyle included the connection of sidewalk that existed at the north and south limits of the project, concrete curb and gutter spot replacements, updated ADA ramp installations and restorations. Plum Tree and Algonquin Road work consisted of HMA surface removal, pavement patching, aggregate base repairs, spot PCC sidewalk and curb repairs, ADA ramp upgrades, HMA binder and surface courses, butt joints, driveway removals and replacements, drainage improvements, aggregate shoulder installations, pavement markings and restoration.

Kenilworth, IL - Kenilworth Avenue Resurfacing
Resident Engineer for STP-funded construction of improvements to .345 miles of Kenilworth Avenue (FAU 1669) from Green Bay Rd, to Ridge Rd. Project consisted of PCC pavement patching, pavement removal, HMA overlay, curb and gutter repairs, sidewalk removal & replacement, structure adjustments, parkway restoration and other miscellaneous items.

BAXTER & WOODMAN Consulting Engineers

Michael J. DeBennette, DECI

Resident Engineer

Education

Thermal/Environmental Engineering
Southern Illinois University, Carbondale, Illinois, 1982

Business, College of Lake County, Grayslake, Illinois

Joined Firm in 1997

Years of Experience: 34

Registrations

PCC Proportioning and Testing, Illinois Department of Transportation

Certifications

IEPA Class C Public Water Supply Operator

Certified Designated Erosion Control Inspector, Lake County Stormwater Management Commission

IDOT Documentation Certificate (15-0359)

Training

Doug Cartland, Inc.
"Problem/Communication Resolution" training, 2017

With more than 30 years of experience in construction engineering and field design, Mike concentrates his efforts on subdivision inspection, highways, bridges, reservoirs, pump stations, and underground utility projects. Mike also provides water operations assistance to the firm's municipal clients.

Representative Projects

Mike has overseen many projects as project manager, project engineer, or resident project representative. He prepares subdivision plan reviews, inspection services, and processing of subdivision acceptance recommendations. He also assists in the design of infrastructure improvement projects; provides bidding assistance; construction layout; and has provided construction engineering services for several transportation projects.

Bensenville, IL
Water System Operations
Provides oversight of the operation of the Village's water system. Verifies that the potable water quality continues to meet the federal, state, and local standards through regular sampling and analysis. Oversees preventative maintenance inspections and related services to sustain the proper operation of the system and minimize downtime.

Grayslake, IL - Street Resurfacing Program
Construction Manager for the resurfacing of various roadways and parking lots. The improvements included asphalt resurfacing with the addition of curb and gutter on Harvey Avenue from Alleghany Road to Lake Street, School Street from Behm Drive to Lake Street and Burton Street from Harvey Avenue to School Street. The remaining streets were part of the Village-wide general maintenance resurfacing program and included asphalt surface removal and resurfacing along with spot curb and gutter removal and replacement.

Round Lake, Il - Forest Ave. and MacGillis Ave. Rehabilitation
Construction Manager for rehabilitation of two Village streets. The project consisted of hot-mix asphalt resurfacing and pavement recycling, with base preparation, excavation, aggregate base repairs, curb and gutter, minor storm sewer, HMA driveway surface removal and replacement, and other miscellaneous work necessary to complete the improvements.

Waukegan Port District, IL - Waukegan Harbor & Regional Airport Wetland Assistance
Provided construction observation services for the soil erosion and sediment control activities necessary to dredge sediments from Waukegan South Harbor and properly reuse the sediments at Waukegan Regional Airport.

East Skokie Drainage District, IL -ComEd Substation Drainage Improvements
Construction Manager for drainage improvements to the Com Ed substation east of Skokie Highway and along the north side of Martin Luther King Jr. Drive in the City of North Chicago. This project involved the installation of 48" and 60" diameter storm sewer pipe by open-cut construction practices, storm sewer drainage structures; earth excavation; channel construction; landscape and street restoration; and other appurtenant work.

BAXTER & WOODMAN Consulting Engineers

Melissa A. Miller, EIT

Resident Engineer

Education

B.S., Civil Engineering, University of Illinois – Chicago, 2016

A.A., Harper College, Palatine, IL 2012

Joined Firm in 2015

Years of Experience: 3

Registrations

Engineer-in-Training: Illinois (Cert #061-039322)

IDOT Certifications

IDOT Documentation of Contract Quantities #17-12551

IDOT S-33 Soils

IDOT QC/QA HMA Level 1 Technician

IDOT QC/QA PCC Level 1 Technician

IDOT QC/QA Mixture Aggregate Technician

ACI Concrete Field Testing Technician – Grade I

Erosion and Sediment Control Workshop, Module I: Fundamental Module

Erosion and Sediment Control Workshop, Module III: Inspection Module

Work History

Village of Lombard, Illinois
Civil Engineering Intern (2014)

Training

Doug Cartland, Inc.
"Problem/Communication Resolution" training, 2017

Melissa joined Baxter & Woodman's Transportation Construction Department as an intern in 2015 while pursuing her degree in civil engineering. She has been active with completing inspector daily reports, recording quantities, preparing pay estimates, and monitoring the contractor's work for compliance with project standards.

Prior to joining the firm, Melissa completed a civil engineering internship with the Village of Lombard. Her duties included distributing resident newsletters, tracking job progress, verifying quantities, completing pavement assessments, and monitoring construction activities for compliance with Village standards.

Representative Projects

DuPage County Division of Transportation, IL - 75th Street/Plainfield-Naperville Road Improvements
Assistant Resident Engineer for intersection widening and the addition of new turn lanes at the intersection of 75th street and Plainfield/Naperville Road. The improvements include two through lanes, two left turn lanes, and one right turn lane on 75th Street, in each direction. Once the widening was constructed, the entire roadway was resurfaced. The project also included traffic signal modernization.

Village of Hazel Crest, IL - 183rd Street STP Improvements
Assisted with construction observation of 1.3 miles of roadway resurfacing of 183rd Street from Crawford Avenue to Sacramento Avenue. The improvements consisted of hot-mix asphalt resurfacing with pavement patching, curb and gutter repairs, sidewalk repairs, utility structure adjustments, pavement markings, parkway restoration.

Village of Glenview, IL - Glen Street Resurfacing, IDOT Contract 61C25
Resident Project Representative for Local Agency Functional Overlay (LAFO)-funded roadway improvements. The 3.7-mile project consisted of HMA resurfacing, curb & gutter removal and replacement, sidewalk removal and replacement, adjustment and installation of drainage and utility structures, detector loop replacement, parkway restoration, pavement markings, and other miscellaneous items of work.

Village of South Barrington, IL - Road Improvement Program
Assisted with construction observation of hot-mix asphalt resurfacing, isolated curb and gutter repairs, minor drainage improvements, restoration, and sign replacement on various streets within the Village. Project length was 5,246 feet.

Village of Fox River Grove, Il - Road Program
Assisted with construction observation of 2.54 miles of roadways within the Village, consisting of hot mix asphalt surface removal, hot mix asphalt resurfacing, curb and gutter removal and replacement, sidewalk removal and replacement, drainage structure adjustments, and parkway restoration.

Village of Niles, IL - Streetlight Replacement Program
Assisted with preparation of Environmental Survey Request as part of lighting improvements along Milwaukee Avenue (Illinois Route 21) from Albion Avenue to Greenwood Avenue.

Statement of Qualifications

Civil Engineering Short-Lists

Resident Engineering,
Design Engineering,
Stormwater Engineering

BENSENVILLE
GATEWAY TO OPPORTUNITY

Village of Bensenville

October 19, 2017

CONSULTING
ENGINEERS

Bollinger, Lach & Associates, Inc.

CONSULTING ENGINEERS

Bollinger, Lach & Associates, Inc.
333 Pierce Road, Suite 200 ▪ Itasca, IL 60143
630 438 6400 ▪ FAX 630 438 6444 ▪ www.bollingerlach.com

▪ ILLINOIS
▪ INDIANA
▪ WISCONSIN

October 19, 2017

Joseph M. Caracci, P.E.
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, Illinois 60106

Re: Statement of Qualifications for Short-Lists for Civil Engineering Services
Resident Engineering, Design Engineering, Stormwater Engineering

Mr. Caracci:

Bollinger, Lach & Associates, Inc. (BLA) appreciates the opportunity to submit our qualifications to provide engineering services for the Village of Bensenville. BLA has the experience and expertise necessary to service the Village and we have the local staff available. BLA has demonstrated the ability to work in Bensenville the past few years by delivering projects on schedule and within budget.

You have seen firsthand that we are providing you our most qualified employees because we know how important these projects are to Bensenville. We would love nothing more than to continue to work with Bensenville on resident engineering, design engineering and stormwater engineering projects.

Our firm would perform all work out of our Itasca office. Our mailing address and contact information is presented below:

Corporate Office
333 Pierce Road, Suite 200
Itasca, Illinois 60143
Phone: 630-438-6400

Craig A. Lukowicz, P.E.
President & Chief Executive Officer
clukowicz@bollingerlach.com
630-438-6400

We sincerely appreciate the opportunity to submit our Statement of Qualifications to Bensenville and look forward to answering any questions you may have to further clarify our submittal.

Sincerely,
Bollinger, Lach & Associates, Inc.

Craig A. Lukowicz, P.E.
President & Chief Executive Officer

Table of Contents

Section	Description
1	Required Documents
	Consultant Evaluation Form, BLA Insurance Certificates
	Statement of Qualifications Form
	IDOT SEFC
2	BLA Statement of Qualifications
3	Experience
4	Staff

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

☑ The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

☐ The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

☐ Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.
Not Applicable

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/3/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
Risk Strategies Company 650 Dundee Road Suite 170 Northbrook IL 60062	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	

INSURED	INSURER(S) AFFORDING COVERAGE	NAIC #
Bollinger, Lach & Associates, 333 Pierce Road, #200 Itasca IL 60143	INSURER A : Continental Casualty Company	
	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** CL1771338820 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ CLAIMS-MADE ☐ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	☐ POLICY ☐ PRO-JECT ☐ LOC						PRODUCTS - COMP/OP AGG	$
	OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ☐ NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	☐ UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	☐ EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						☐ PER STATUTE ☐ OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ N / A (Mandatory in NH)						E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	Professional Liability			AEH004313026	7/16/2017	7/16/2018	Per Claim	3,000,000
							Aggregate	3,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: all projects of the named insured, subject to policy terms and conditions.

CERTIFICATE HOLDER

Village of Bensenville
ATTN: Joseph Caracci, P.E.
717 E. Jefferson Street
Bensenville, IL 60106

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Michael Christian/CID

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 04/04/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
Marsh Sponsored Programs a division of Marsh USA Inc. PO Box 14404 Des Moines IA 50306	PHONE (A/C, No, Ext): 800-338-1391	FAX (A/C, No): 888-621-3173
	E-MAIL ADDRESS: acecclientrequest@marsh.com	

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: Hartford Accident & Indemnity Co	22357
INSURER B: Hartford Fire Insurance Co	19682
INSURER C: Hartford Underwriters Insurance Co	30104
INSURER D:	
INSURER E:	
INSURER F:	

INSURED
BLA, Inc. DBA: Bollinger, Lach & Assoc.,

333 W Pierce Road, Ste. 200
Itasca, IL 60143

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			84SBWBV0316 Prof. Liab. Excl.	05/01/2017	05/01/2018	EACH OCCURRENCE	$1,000,000
	X COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$1,000,000
	CLAIMS-MADE X OCCUR						MED EXP (Any one person)	$10,000
							PERSONAL & ADV INJURY	$1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$2,000,000
	POLICY X PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$2,000,000
								$
C	AUTOMOBILE LIABILITY			84UEGRY9514	05/01/2017	05/01/2018	COMBINED SINGLE LIMIT (Ea accident)	$1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS / NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
A	X UMBRELLA LIAB X OCCUR			84SBWBV0316	05/01/2017	05/01/2018	EACH OCCURRENCE	$9,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$9,000,000
	DED X RETENTION $ 10,000							$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N	N/A		84WBGBJ8884	05/01/2017	05/01/2018	X WC STATU-TORY LIMITS / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)						E.L. EACH ACCIDENT	$1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$1,000,000
							E.L. DISEASE - POLICY LIMIT	$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

Village of Bensenville
Attn: Joseph Caracci, P.E.
717 E. Jefferson St.
Bensenville, IL 60106

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Bianca Vincent

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STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [2] Design Engineering
- [ ] Wastewater Improvements
- [3] Stormwater Engineering
- [1] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

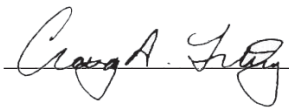
Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: 

Print Name .....: Craig Lukowicz, P.E.

Position/Title.....: President and Chief Executive Officer

Company Name ...: Bollinger, Lach & Associates, Inc.

Address line 1 .....: 333 Pierce Road, Suite 200

Address line 2 .....: Itasca, Illinois 60143

Telephone.....: 630-438-6400

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

October 3, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Craig Lukowicz
B.L.A., INC. DBA BOLLINGER, LACH
333 Pierce Road, Suite 200
Itasca , IL 60143

Dear Craig Lukowicz,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $15,200,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 114.33% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR B.L.A., INC. DBA BOLLINGER, LACH

CATEGORY	STATUS
Special Studies - Pump Stations	X
Structures - Highway: Simple	X
Special Studies - Traffic Signals	X
Special Studies - Traffic Studies	X
Special Studies - Safety	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Location Design Studies - Rehabilitation	X
Special Services - Surveying	X
Special Services - Construction Inspection	X
Special Studies - Location Drainage	X
Structures - Highway: Typical	X
Hydraulic Reports - Waterways: Typical	X
Special Studies - Feasibility	X
Special Services - Sanitary	X
Highways - Freeways	X
Transportation Studies - Railway Engineering	X
Hydraulic Reports - Waterways: Complex	X
Highways - Roads and Streets	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

Statement of Qualifications

Bollinger, Lach & Associates, Inc. (BLA) is an Illinois corporation established in 1978 as a professional civil engineering consulting firm. Our corporate office is located in Itasca and we are only 10 minutes away from the Village of Bensenville.

BLA has the knowledge, expertise, experience, staff and ability to complete successful projects for the Village of Bensenville

BLA is prequalified by IDOT in 18 different categories, including: Roads and Streets, Traffic Signals, Pump Stations, Location Drainage Studies, Traffic Studies, Safety Studies, Feasibility Studies, Complex Hydraulic Reports, Location and Design Studies, Surveying, Sanitary Engineering, Highway Structures and Construction Inspection. BLA is also prequalified with the U.S. Army Corps of Engineers, METRA, Illinois State Toll Highway Authority and numerous other local government agencies.

BLA has a full time staff of more than 50 professional, technical and support personnel offering extensive expertise in the fields of civil engineering, structural engineering, construction engineering and environmental services. That expertise is utilized on municipal engineering, roadway/transportation projects, environmental studies, construction, feasibility studies and design reports for federal, state and local government agencies. You will be getting the same staff that has worked on similar projects, bringing the diverse experience they have gained since each municipality they have worked for has different needs.



We have worked on projects for the Village of Bensenville over the last few years and really enjoy the relationship with the Village staff. We have had some of our top staff work for the Village because we want to make sure you see our commitment to you. We would plan on serving the Village and its staff the same way if we were selected on future projects.

BLA has the engineering experience and knowledge to be able to work with Bensenville and their unique requirements. We have worked on municipal projects for intersections, resurfacing, reconstruction, storm sewer, watermain, sanitary sewer, streetscape and bridges in municipalities such as Lisle, Bloomingdale, Oak Brook, Downers Grove, Naperville, Zion, Crystal Lake, Willow Springs as well as Bensenville.

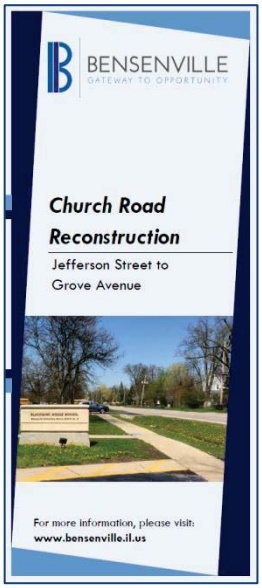


BLA has conducted reviews to address the O'Hare Modernization Program (OMP) Southwest Acquisition Area Demolition Plan (SAADP). The SAADP describes existing conditions in the SAA and provides information describing the City of Chicago's plans for removing structures and infrastructure from the area.

We understand that while the Village does not have a DBE/MBE requirement for the locally funded projects, there may be projects that utilize state or federal funds for the construction costs. For these projects, we have good relationships with DBE firms that provide services for surveying, lighting, materials testing and geotechnical testing.

Public Information

BLA prides itself on being a leader in public relations on design *and* construction projects. Of all the following parts of our program, each project's level of public communication is customized according to the needs of the community and client. Local businesses, residents, motorists and local officials will have questions about the project and want to ensure economically feasible improvements are being considered/designed.



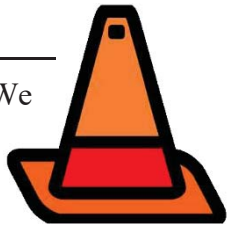
BLA's public information program can be customized for any Bensenville project. A few specific options to choose from depending on the level of public outreach desired include:

- *Creating specific project informational brochures*
- *Designing and maintaining a custom website*
- *Conducting open house meetings and public hearings*
- *Designing specialized maps/handouts during a project*
- *Addressing the public's questions and concerns via website/phone/email/in person*
- *E-blasting those subscribed to notification lists*
- *Posting updates on Facebook/Twitter*
- *Making presentations to local police/fire/emergency responders*
- *Monthly summaries describing the happenings of the project and public relations that can be provided to elected officials*

Below are projects on which BLA has performed a public relations program:

- *Algonquin Road, MCDOT*
- *Barrington Road at Schaumburg Road, Schaumburg*
- *Build Schaumburg Program, Schaumburg*
- *Cherry Lane, Northbrook*
- *Crystal Lake Avenue, Crystal Lake*
- *East State Street, Geneva*
- *Erick Street, Crystal Lake*
- *Gary Avenue, DuPage DOT*
- *Golf Road, IDOT*
- *Green Street, Bensenville*
- *I-90 in Schaumburg, Schaumburg*
- *Irving Park Road path, Schaumburg*
- *Miller Road, MCDOT*
- *Palatine Road, Palatine*
- *Rakow Road, MCDOT*
- *Randall Road, MCDOT*
- *River Road and Dowell Road, MCDOT*
- *River Road and Roberts Road, Lake DOT*
- *Washington Street, Lake DOT*
- *Western Avenue, Highland Park*
- *Wise Road, Schaumburg*
- *Wright Boulevard, Schaumburg*
- *Zion MFT Program, Zion*

Constructability



One of the things we do at BLA is review the plan documents for constructability. We constantly ask ourselves - *is there a better way to build it?* Constructability, safety and eliminating potential delays are our basic philosophy while reviewing plans.

Utilities

Overhead electrical lines have become a common issue on projects where a crane or large backhoes are used. The proximity of the boom to the power line may violate OSHA requirements if the equipment is within 10 feet of a power line. Some high voltage lines require a 20 foot bubble that cannot be encroached upon. Since many retaining walls are located at the right-of-way line where power poles are normally

located, this becomes a serious delay issue. This can also effect the installation of large box culverts which normally utilize a crane to install the precast sections. One solution when the poles cannot be relocated is to have ComEd de-energize the power lines while the work is going on.



Many times, drainage facilities are designed independently from the utility plan. In one case, the main storm sewer trunk line was designed down the centerline of the roadway with large junction chambers every 200-300 feet. This design was not coordinated with the highway lighting design which depicted light poles down the centerline incorporated into the median. The design was adjusted in time to revise the junction chambers to have offset holes for the storm sewer allowing the lighting to be installed down the centerline of the roadway as designed.

Watermain

Besides checking the plans for conflicts with parallel utilities and potential storm sewer conflicts, we also focus on ensuring the proper items are included in the project to account for adjustments of the watermain. Sometimes field conditions dictate that we need to adjust the watermain horizontally or vertically; this often times requires extra fittings that may not be included in the contract quantities. Another item we look to address are new fire hydrant installations; the plans should detail the bury depth of the hydrant based on the location and cross sections. Typically depths vary from 5.5 feet to 6.5 feet; either way, there should be a detail showing the desired depth and addressing any pay items that may be required if they need to be extended. Plans should also provide a design based on the existing conditions. If two watermains are next to each other and the proposed main has to cross the existing main, there should be a detail in the plans that shows which pipe should go over or under the other pipe using these types of fittings.

Profile Changes

Grade differentials on reconstruction projects can be an issue when the proposed roadway profile is redesigned. When there is a change to the new profile in excess of one foot up or down from the existing profile, it can have a major impact on maintaining traffic through an intersection during stage construction. Too often, the plans on projects with new profile grades do not address driveway access and intersection construction. Driveways aprons need to be designed so that their slope does not exceed 8%. This may require a temporary easement to go beyond the right-of-way in order to achieve the proper slope. In cases where there is alternate access available to a neighborhood, it is easier to close a side street for a short duration in order to complete the construction of the intersection without traffic. We find that this improves quality by eliminating stage construction of the intersection. It makes for a much safer work zone eliminating claims from the public that otherwise would be trying to negotiate an intersection with a severe grade differential possibly damaging the bottom of their vehicles.



Drainage

Proposed drainage installations need to be reviewed as it relates to stage construction. Maintaining drainage during the project is an important aspect that we look for. Besides putting a note in the plans, we look for how the existing system can be maintained while the new system is being constructed. Pipe runs that carry water transversely across the stage line need to be addressed. We find that providing details for temporary

connections help to solve some of the issues. Sometimes it is necessary to reverse the staging in order to utilize the existing outfalls making it easier to maintain drainage. Finally, we look at where the new facilities are being installed as they relate to existing utilities. Most often, this requires a field review to verify where the existing utilities are located. The ultimate goal is to reduce the possibility of utility delays during the project.

Traffic Control and Staging

BLA will review the Traffic Control Standards to make sure they are relevant to the work. Grind and overlay projects include several traffic control standards to be utilized during the project. Many times, standards are included that do not relate to the work; conversely, sometimes standards are missing that should be included. For example, quite often we see standards that address a two lane road when a portion of the project includes a four lane section. On the Green Street project, watermain needed to be installed under the UPRR tracks through a new casing pipe that needed to be jacked under the railroad. This required stage construction; however, the plans only included standards for daily closures. Some of the additional costs associated with the staging could have been eliminated by including the staging in the plans.

Work Zone Safety

In reviewing the staging on a project, we look for safety issues such as drop-offs in the work zone and the need for temporary barrier wall. The latest IDOT policy on drop-offs in construction zones can be very confusing when applying all the different criteria. We are experienced with this policy and will utilize it to help determine the type of protection necessary to build the project, but not expose the owner to liability issues related to the protection of the motoring public.



Funding Assistance and Familiarity

BLA has extensive experience and success assisting our clients in the preparation of funding applications and obtaining funding to complete their projects. We feel this program is an extremely effective and efficient means for the Village of Bensenville to secure future funding and ease the burden on their budget. The DuPage Mayors and Managers Conference meetings, as well as other conferences and council, is regularly attended by BLA representatives as a means of discovering insight on customizing each grant specifically to the project in order to maximize the scoring.



Last year alone, BLA completed and submitted six project applications which secured more than $***3.5 million*** in STP funds from the DMMC for communities such as Lisle and Elmhurst - *BLA even secured more than $1 million for Village of Bensenville*. In addition, we obtained another ***$3 million*** in funding for the Village of Palatine from the Northwest Municipal Conference (NWMC) and ***$2 million*** for the Village of River Forest from the North Central Council - that is a total in excess of ***$8.5 million***. We firmly believe that no project is too small or too big to apply for funding, *especially when the dollars are available*!

In addition to STP funding, Congestion Mitigation Air Quality (CMAQ) funding is a source of grant money which we believe can be obtained for various potential future projects for the Village of Bensenville, *especially on projects implementing bike paths*. CMAQ funding is nothing new to BLA. We have successfully worked with multiple municipalities, IDOT and Local Roads to obtain funding for projects including the Higgins Road Bicycle Path and the Irving Park Bicycle Path in the Village of Schaumburg. BLA has prepared and successfully received CMAQ applications and funding for the East State Street

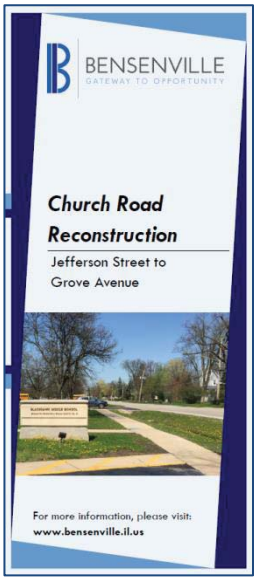
project in the City of Geneva. This project consisted of roadway reconstruction which included a proposed bike path making it eligible for the funding. More than $4.5 million in CMAQ funding alone was secured towards construction of the improvements.

Our relationships with those involved in the funding process, with the mayors and managers liaisons and with IDOT are strong and intangible assets of BLA. These assets, in conjunction with our knowledge and success of retrieving funding for our clients, are demonstrated in the partial list of projects below.

PROJECT	CLIENT	COST	FUNDING TYPE
York Road	Bensenville	$1,700,000	STP
75th Street	DuPage Co. DOT	$13,000,000	STP
Spring Road	Elmhurst	$500,000	STP
York Street	Elmhurst	$600,000	STP
Benedictine Parkway	Lisle	$800,000	STP
Green Trails Drive	Lisle	$600,000	STP
Aurora Station Parking	Metra	$1,000,000	Greenlight
West Avenue	Elmhurst	$500,000	STP
Brockway Street Streetscape	Palatine	$1,500,000	TIF, Bonding
Colfax Street	Palatine	$900,000	STP
Crystal Lake Welfare Facility	Metra	$2,000,000	FTA
Division Street	River Forest	$1,200,000	STP
Chicago Avenue	River Forest	$1,800,000	STP
East Crystal Lake Avenue	Crystal Lake	$1,800,000	STP, CMAQ
East State Street	Geneva	$15,000,000	STP, ITEP, CMAQ
Four Lakes Avenue Bridge	Lisle	$2,000,000	STP Bridge
Irving Park Road Bike Path	Schaumburg	$1,100,000	CMAQ
Janes Avenue	Bolingbrook	$1,500,000	MFT
Jefferson Avenue Bridge	Naperville	$1,000,000	STP Bridge
Jefferson Street (LAFO)	Bensenville	$700,000	MFT
Longmeadow Parkway	Kane County DOT	$34,000,000	STP, CMAQ
Palatine Road	Palatine	$6,000,000	STP, CMAQ, ARRA
Pingree Road	Crystal Lake	$2,000,000	STP
Plum Grove Road	Palatine	$2,200,000	STP
River Road at Roberts Road	Lake County DOT	$8,000,000	CMAQ
Shermer Road/Cherry Lane Overflow Sewers	Northbrook	$3,100,000	MWRDGC
Short Street Bridge	Lisle	$1,600,000	STP Bridge
Silver Glen Road Bridge	Kane County DOT	$700,000	STP Bridge
Stearns Road	Kane County DOT	$22,000,000	STP
US 20 Signals (Elgin)	IDOT	$150,000	Illinois First
Weber Road	Bolingbrook	$750,000	MFT
Wise Road	Schaumburg	$6,500,000	STP
Wright Boulevard	Schaumburg	$6,000,000	STP

Experience

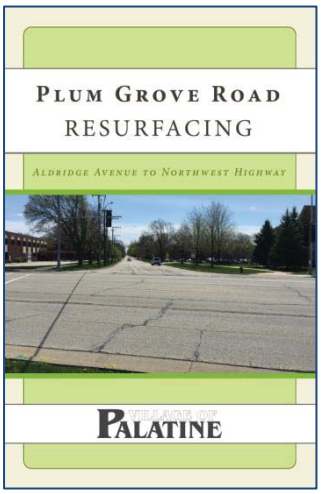
Project / Client	**Green Street Roadway and York Road/Green Street Watermain (RE)** **Village of Bensenville**
Scope of Work / (Contractor) / Client POC	BLA provided Phase III construction engineering services for the Green Street and York Road improvements. Scope of construction included watermain replacement, driveway and sidewalk work, patching, milling and resurfacing of Green Street and York Road in the Village of Bensenville.  This project is located near the Village's downtown commercial area and residential neighborhoods. BLA provided door-to-door personal contact with local businesses and residents to provide a project briefing and brochure with project information. A website was established to ensure that residents and business managers were kept informed of the project's schedule and that their concerns could be quickly addressed. Regular website updates were provided as needed to keep the public informed. Work included removal/replacement of 450 feet of watermain. BLA developed and inspected traffic staging for the watermain construction. The resident engineer worked with the Village to shut down the existing watermain using existing valves and line stops. BLA provided public information to the surrounding community. Businesses and residents were personally notified before a water shutdown or driveway closure. The project required coordination with the railroad to install the watermain below the tracks by augering and jacking. BLA oversaw all pressure testing, disinfection and water service connections. BLA provided record drawings of the entire watermain construction. Curb and gutter, sidewalk and driveway removal and replacement was completed according to current PROWAG/ADA standards. Approximately 7,500 feet of Green Street was milled and overlaid with hot mix asphalt. Green Street is a two lane each direction urban street with curb and gutter and no median. BLA worked with the contractor to ensure the roadway was overlaid to the correct cross slope. BLA oversaw all quality control and quality assurance of materials. O'Hare Airport was notified of all traffic staging changes and closures. Mehul Patel – 630-594-1196
Project Team	Craig Lukowicz, P.E. – Project Principal Bob Rollings, P.E. – Project Manager Darren Frawley, P.E. – Resident Engineer Ashley Newton – Public Information
Construction Cost / Fee / Year	$3.5 million / $245,000 / 2013

Project / Client	**Church Road (RE)** **Village of Bensenville**
Scope of Work / (Contractor) / Client POC	BLA provided Phase III resident engineering services for the reconstruction of Church Road from Jefferson Street to Grove Avenue and the construction of a multi-use path. The road was staged into an east half and west half; one-way traffic was maintained using a detour route. The staging allowed the watermain and storm sewer to be constructed while still maintaining traffic. Experienced field inspectors helped protect the multiple existing utilities in the road including the 36 inch watermain running down the east half of the road. Earth excavation and furnish excavation were successfully completed despite the poor soils found on the project site.   Concrete curb and gutter was constructed using a slipform machine which minimized honeycombing and produced a consistent section of curb throughout the road. Sidewalk was constructed to the current ADA standards.  Throughout the project, BLA maintained public communications with numerous residents, the school and library. BLA's public information representative printed and hand delivered brochures that contained project information and contact information of the project team. Door-to-door visits were made at the beginning of the project for introductions and during the project to share key information. Mehul Patel – 630-594-1196
Project Team	Craig Lukowicz, P.E. – Project Principal Bob Rollings, P.E. – Project Director Kerry Field, P.E. – Project Manager Darren Frawley, P.E. – Resident Engineer Ashley Newton – Public Information
Construction Cost / Fee / Year	$4.5 million / $350,000 / 2017

Project / Client	**Church Road (RE)** **Village of Bensenville**
Scope of Work / (Contractor) / Client POC	BLA provided Phase III resident engineering services for the construction of a pedestrian path as well as patching and resurfacing of Church Road from Grand Avenue to Jefferson Street. The project was constructed utilizing STP funds for pavement patching, milling, resurfacing and striping; also included was removal and replacement of sidewalk ramps to meet current ADA standards. BLA provided extensive public outreach and coordination with local residents and the nearby Bensenville Park District Golf Course located along and near the project. Mehul Patel – 630-594-1196
Project Team	Craig Lukowicz, P.E. – Project Principal Bob Rollings, P.E. – Project Manager Clay Keller – Resident Engineer
Construction Cost / Fee / Year	$1.6 million / $150,000 / 2016

BENSENVILLE
GATEWAY TO OPPORTUNITY

Project / Client	**Pembroke Drive (Design and RE)** **Village of Lincolnshire**
Scope of Work / (Contractor) / Client POC	The Village of Lincolnshire selected BLA to prepare Phase II engineering design plans and specifications for one half mile of watermain replacement, roadway reconstruction and drainage improvements along Pembroke Drive and several other side streets adjoining Pembroke Drive; additionally, BLA provided Phase III construction inspection services. Multiple watermain breaks over the last several years have placed this project high on the list of watermain projects for the Village. "Hot" soils in the project area have deteriorated the main considerably resulting in ongoing breaks and other problems. The Village of Lincolnshire hired BLA because of their experience in watermain design and construction work and because of existing field conditions that must be dealt with during design/construction. BLA has valuable past experience in dealing with watermains in problematic soils and constructing new watermain in very crowded corridors because of heavy landscaping and utility presence. This roadway corridor has many trees, high end homes, private improvements extending into the right-of-way and some less than standard right-of-way widths.  To avoid disruptions to private improvements and to keep the existing watermain in service during construction, it was chosen to put the new main in the pavement near curb. Special consideration was given to materials because of the soil, so zinc coated ductile iron was used in combination with V-Bio wrap. BLA worked closely with the Village on the locations of the breaks and recent replacements to best define the limits/tie in points of the new work. Ironically, there was another break in the existing main near the end of the design plan preparation that required a last minute change to the design that BLA was able to turnaround very quickly. Additionally, there are four detention facilities located within the vicinity of the project which were studied as part of the Stormwater Management Volume Verification projects that the Village has ongoing. BLA designed improvements to these ponds as part of the project as well. Wally Dittrich – 847-913-2387
Project Team	Craig Lukowicz, P.E. – Project Principal Dan Bruckelmeyer, P.E. – Project Manager Erik Olson, P.E.– Project Manager, Resident Engineer Greg Ellwanger, P.E. – Project Engineer Ashley Newton – Public Information
Construction Cost / Fee / Year	$1.5 million / $190,000 (Phases II & III) / 2017

Project / Client	**Plum Grove Road (Design and RE)** **Village of Palatine**
Scope of Work / (Contractor) / Client POC	 *Design Engineering:* BLA provided Phase I and II engineering services for 1.9 miles of resurfacing Plum Grove Road for the Village of Palatine. Improvements from Northwest Highway to Aldridge Avenue included resurfacing, pavement patching, curb and gutter repairs, sidewalk repairs, reconstruction of sidewalk corner ramps for ADA/PROWAG compliance and replacement of 2,400 feet of overlaid curb and gutter. The Village secured STP funding through the Northwest Council of Mayors and Managers (NWCMM) to fund construction of the project. Project scope of work included the PPI Form, IDOT kick-off meeting, Phase I CE-1 application form with supporting documents, contract plans, specifications and cost estimate. Phase I also included traffic counts at the AM and PM peak hours in order to verify a Level of Service of D or above at the signalized intersections of Quentin Road and Smith Street.  *Construction Engineering:* BLA also provided Phase III construction engineering services for this project which included pavement patching, ADA sidewalk, curb repair, sidewalk repair, patching, milling and resurfacing along with final striping. The project is located in a residential area full of single family homes. Personal contact with residents along the route was established and maintained during construction. It was an important aspect of the project to keep local residents informed of project activities well in advance of the work impacting their daily lives. Matt Barry – 847-202-6960
Project Team	Craig Lukowicz, P.E. – Project Principal Dan Bruckelmeyer, P.E. – Project Manager Jacob Thede, P.E. – Project Engineer Kerry Field, P.E. – Construction Manager Greg Ellwanger, P.E. – Resident Engineer
Construction Cost / Fee / Year	$1.5 million / $200,000 (Phases I thru III) / 2017

Project / Client	**Western Avenue (Design and RE)** **City of Highland Park, City of Highwood**
Scope of Work / (Contractor) / Client POC	BLA completed design plans and construction for the reconstruction of Western Avenue between Half Day Road/Prairie Avenue and Old Trail/Washington Avenue, approximately 2,600 feet, for the Cities of Highland Park and Highwood. The reconstruction converted the road from a rural road section with no ditches or curb and gutter to an urban section with curb and gutter. The project included the complete replacement of the existing watermain, the construction of new pavement, new curb and gutter and an entirely new storm sewer system. All sidewalks and street returns were analyzed during construction to ensure compliance with new ADA standards.  A key challenge facing the project was the presence of I&I within the existing sanitary sewer system. BLA evaluated storm events during peak flow rainfall events and compared it against sanitary sewer flows serving residences. It was determined late in the project that the existing 15 inch sanitary sewer could not handle the flows and a new 21 inch sewer was required. This major change was redesigned with all proposed storm and proposed water reconfigured to accommodate the new sewer and submitted for an IEPA permit within a matter of days. Restricted right-of-way conditions presented both design and construction challenges incorporating new watermain, sanitary and storm sewer within the narrow area. Incorporation of curb and gutter along the roadway significantly improved drainage in the area. Changing from a shoulder section to a curb and gutter section required extensive study of the area behind the curb to ensure positive drainage was achieved. Each driveway was carefully analyzed in design and construction to ensure smooth driveway slopes and positive drainage. The construction schedule for this project was challenging. The work needed to be scheduled around little league games and provide parking for the ball fields located on Western Avenue; parking was already restrictive even without the construction. BLA developed a website and prepared flyers to keep the residents and the little league aware of all of the construction activities occurring. The sanitary sewer construction involved bypassing pumps, multiple sanitary sewers and the challenge of identifying services to transfer from two existing sanitary mains to one proposed main. During watermain construction, BLA worked hand-in-hand with the Cities to isolate and shutdown watermains using existing valves and line stops and oversaw all disinfection and pressure testing. John Welch (former Highland Park City Engineer) 630-434-5494
Project Team	Craig Lukowicz, P.E. – Project Principal Dan Bruckelmeyer, P.E. – Project Manager Matt Cesario, P.E. – Project Engineer Darren Frawley, P.E. – Resident Engineer Ashley Newton – Public Information
Construction Cost / Fee / Year	$3.5 million / $332,000 (Phase II & III) / 2013

Project / Client	**East State Street (Design)** **City of Geneva**
Scope of Work / (Contractor) / Client POC	 Work included preparation of the contract plans, specifications and cost estimates for the reconstruction of East State Street (IL 38) and Bennett Street (IL 25) for a total length of approximately 1.35 miles. The project added a fifth lane between Bennett Street and Sandholm Street, resulting in improved efficiency, operations and safety along the road and lower prevailing speeds by removing super elevation from an existing curve. Streetscape improvements were added that improved quality of life, enhanced pedestrian accommodations, upgraded facilities for bus stops and improved conditions for adjacent redevelopment opportunities, as well as decorative brick edging throughout the corridor and at landings. ITEP funding was used for the streetscape enhancements. The latest PROWAG/ADA guidelines were implemented to provide linear connectivity throughout the East State Street corridor wherever feasible. A 10 foot HMA bike path was designed on the south side of East State Street for roughly half of the corridor before transitioning into a concrete sidewalk where right-of-way was more constrictive. A portion of two separate parking lots were redesigned for reconstruction restriping as a result of grade changes as well as adequate driveway entrance radii to improve the sightlines for vehicles accessing East State Street. Three traffic signals within the project limits were modernized with the addition of a dedicated right turn lane on the west leg of East State Street for the southbound movement onto IL 25. The traffic signals were under two different interconnect systems and were modernized and updated as part of the overall scope of the project. Aging infrastructure was also improved as part of the project. New 12 inch watermain was designed, starting from the Fox River to just west of IL 25 and extending to the east for an approximate length of 4,100 feet, replacing existing six inch cast iron watermain. New sanitary sewer manholes and services were provided in entirety along the entire length of the corridor. The existing storm sewer system was replaced as part of the improvements to the project as well. Permits were necessary from the IEPA for watermain and sanitary sewer, US Army Corps of Engineers for wetland impacts and mitigation (Regional Section 404 Permit) along with the Kane-DuPage Soil & Water Conservation District Permit. The project required an update to all environmental clearances and the scope of work included an update to the ESR and PESA. Brian Schiber – 630-232-1501
Project Team	Craig Lukowicz, P.E. – Project Principal Dan Bruckelmeyer, P.E. – Project Manager Greg Ellwanger, P.E. – Project Engineer Ashley Newton – Public Information
Construction Cost / Fee / Year	$15 million / $907,000 / 2016

Project / Client	**Walnut Lane (Design)** **Village of Schaumburg**
Scope of Work / (Contractor) / Client POC	 BLA provided Phase I engineering design services to the Village of Schaumburg for the reconstruction and reconfiguration of Walnut Lane between Schaumburg Road and Weathersfield Way (0.5 miles). The existing roadway was 40 feet wide including two travel lanes in each direction along with striped bike lanes and on-street parking. As this project was funded through the Northwest Council of Mayors and Managers STP program, federal funding requirements were utilized as design parameters which prohibited the presence of shared on-street parking with bike lanes. Seven different typical section alternatives were prepared to achieve the goal of still allowing both on-street parking with bike use and the goal of forcing drivers to slow down. The 40 feet of pavement typically results in drivers speeding down a residential collector road at significantly higher speeds than the 30 mph posted speed. Alternatives considered "bump-out' parking bays, single street-side allowable parking and widening the existing sidewalk from five to eight feet and eliminating the on-street bike lanes. Each option required driveway cross sections to verify drive slopes remained underneath 10% as temporary easements for driveway tiebacks were not desirable given the wide right-of-way (100 feet). The preferred alternative combined elements from each of the studied alternatives: two 11 foot lanes, eight foot parking bump-outs between side street intersections and an off-street eight foot concrete bike path. BLA also performed traffic counts, intersection capacity and an Intersection Design Study (IDS) for the intersection of Walnut Lane and Schaumburg Road for the geometric realignment of the Walnut Lane leg of the intersection eliminating the bike lanes. Full environmental survey was conducted by BLA staff and submitted to IDOT-BLRS as part of the Environmental Survey Request (ESR) process. Public involvement included an open-house style public meeting and coordination with both IDOT and the FHWA. Tasks also included an abbreviated Location Drainage Study in order to verify the existing storm sewer capacity was adequate and upsizing of trunk line sewers in spot locations were recommended where the hydraulic grade line would surcharge during the 10-year storm event. Kristin Mehl – 847-923-6618
Project Team	Craig Lukowicz, P.E. – Project Principal Dan Bruckelmeyer, P.E. – Project Manager Jacob Thede, P.E. – Project Engineer
Construction Cost / Fee / Year	$2.5 million / $144,000 / 2017

Project / Client	**On-Call Environmental Services (Stormwater)** **Village of Libertyville**
Scope of Work / (Contractor) / Client POC	BLA is performing professional engineering and wetland review services for the Village of Libertyville on an on-call basis. The BLA team takes pride in having quick turnarounds on review services – typically within three days including site visits. Responsibilities include site meetings with and/or for the Village staff and property owners to assist with the pre-application information. This allows the applicant and Village staff to understand the standard requirements of the Lake County Watershed Development Ordinance and other agencies' requirements before the submittal of their permit application. BLA's scope of services also includes permit application review, review engineering site plans of existing and proposed conditions, floodplain/floodway modeling, compensatory storage calculations and compliance with state and federal standard requirements governing floodplain/floodway alteration and permitting, construction drawings and specifications, hydraulic and hydrologic calculations, stormwater management facilities and stormwater quality evaluations, storm sewer and culvert design, erosion control design and implementation and isolated wetland regulations. Responsibilities include assessment of submittal documents, recommendations to Village staff and meetings with Village representatives and property owners. BLA also coordinates with local government agencies such as the USACE, IDOT, LCDOT, IEPA, IDNR/OWR, MLCSWCD, USFWS and LCSMC. BLA looks at the entire development and offers suggestions regarding items such as watermain or site or sewer issues in order to help the development reviews go smoothly at no additional charge. Paul Kendzior – 847-918-2016
Project Team	Ed Lebbos, CFM, CWS – Environmental Engineer Kevin Kenniff, P.E., CFM – Hydraulic/Stormwater Engineer
Construction Cost / Fee / Year	Work Order-Based Per Review / 2015-present

Project / Client	**On-Call Engineering Services (Stormwater)** **DuPage County**
Scope of Work / (Contractor) / Client POC	BLA has served as the on-call engineer for DuPage County to aid in addressing localized flooding and drainage issues throughout the county. The scope of services included meeting with county representatives and residents to determine the source and severity of flooding problems; preparation of design alternatives; selection of preferred alternative; preparation of construction documents, quantities and cost estimates; coordination with contractors and oversight of construction. The nature of the projects encountered typically consisted of flooding in older residential areas where conveyance systems were undersized or had fallen into disrepair. Many of the projects involved rear yard sewer replacement or installation of new sewer on private property. Existing trees, sheds, decks, fences, landscaping, brick paver patios and driveways were common site elements that had to be considered and incorporated into the ultimate drainage design. Nick Kottmeyer – 630-407-6818
Project Team	Kevin Kenniff, P.E., CFM – Hydraulic/Stormwater Engineer
Construction Cost / Fee / Year	Work Order-Based Per Review / 2012-present



Staff

Name/Registration/ Title	Years of Exp./ @Firm	IDOT/Municipal Project Experience
Craig Lukowicz, P.E. Project Principal	38/34	Craig brings 35+ years of experience as a Project Principal who has overseen every major project at BLA since 1983. Craig has experience with every state and federal funding type having overseen projects in 50+ municipalities as well as IDOT, ISTHA and all collar county DOTs.
Bob Rollings, P.E. Construction Project Manager	42/14	Bob served as Senior Project Manager for the Village of Bensenville's Green Street watermain improvements and resurfacing along with both Church Road reconstruction and resurfacing projects. Bob has served as Project Manager for STP funded projects with the Villages of Schaumburg, Palatine, River Forest and Lisle and the Cities of Elgin, Crystal Lake, Highland Park and Highwood. Bob is very familiar with STP and IDOT construction requirements.
Kerry Field, P.E. Senior Construction Project Manager	36/1	Kerry served as Project Manager for the Village of Bensenville's Church Road reconstruction; he also served as Contractor Project Manager for the Village of Bensenville's STP funded Green Street watermain upgrades and resurfacing. Kerry's construction/contractor background allows him to anticipate contractor issues and head off most of them before they become problems. Kerry served as Project Manager for the MFT and privately funded Village of Schaumburg's Bethel Lane relocation project and the 2017 Street Program.
Darren Frawley, P.E. Resident Engineer	15/7	Darren served as Resident Engineer for the Village of Bensenville's STP funded Church Road reconstruction project and the Green Street watermain improvements and resurfacing project. He was also the Resident Engineer for the Western Avenue project which included watermain and sanitary replacement, widening and reconstruction; Western Avenue was STP and jointly funded by the Cities of Highland Park and Highwood.
Dave Bottcher, P.E. Resident Engineer	11/10	Dave served as Resident Engineer for the Village of Palatine's STP funded resurfacing of Colfax Street and Gurnee's annual reconstruction program. He has also served as Resident Engineer for City of Crystal Lake's STP funded widening and reconstruction of Erik Street.
Darren Franzen Resident Engineer	28/11	Darren has served as Resident Engineer for the Village of Schaumburg's MFT and privately funded Bethel Lane relocation project and the 2017 Street Program; he has also been Resident Engineer for Schaumburg's STP funded widening and reconstruction of Barrington Road at Schaumburg Road.

Clay Keller Asst. Resident Engineer	5/4	Clay served as Resident Engineer for the Village of Bensenville's STP funded Church Road resurfacing project. He was also the construction engineer for Bensenville's STP funded Green Street watermain improvements and resurfacing project. Clay served as Resident Engineer for the Village of Lisle's STP funded Four Lakes Avenue bridge replacement project and the Village of Gurnee's street reconstruction program.
Dan Bruckelmeyer, P.E. Project Manager, Roadway	14/9	Project Manager for Phase I and II projects for designs of roadway, intersection, roundabout, watermain and sanitary sewer projects for Lincolnshire, Deerfield, Lombard, Lisle, Highland Park, Highwood, Palatine, Schaumburg, Northbrook, Geneva, Lake/McHenry/DuPage/Kane County DOTs. Experience with CMAQ, STP, MFT, STP-Bridge and CDBG funded projects through IDOT-BLRS as well as grant writing for all associated funding types.
Jaymin Patel, P.E. Roadway	30/21	Senior Project Manager experienced in traffic signal design and operations as well as roadway rehabilitation and reconstruction. Has completed projects for several municipalities including Palatine, Schaumburg, Bolingbrook, Crystal Lake, Downers Grove, DuPage DOT, IDOT and ISTHA.
Matt Cesario, P.E. Roadway	10/10	Project Manager for Phase I and II engineering roadway and bridge projects. Has served as both Project Manager and Project Engineer for projects in River Forest, Lisle, Lombard, McHenry, Bolingbrook and Hanover Park.
Greg Ellwanger, P.E. Roadway	8/7	Project Engineer responsible for plan and specification preparation as well as permitting for various municipal projects including Geneva, Lincolnshire, Palatine, Schaumburg, Crystal Lake, Highland Park and Deerfield among others.
Kevin Kenniff, P.E., CFM Drainage, Water	22/22	Kevin is one of the most experienced and talented stormwater engineers in the entire Chicagoland area. He currently serves as DuPage County's on-call stormwater engineer for complex projects where staff does not possess the necessary modeling expertise as well as assisting stormwater plan reviews in Libertyville.
Erik Olson, P.E. Utilities	21/20	Project Manager with considerable experience in utility design including watermain, sanitary sewer, forcemains, lift stations, stormwater management and utility conflict negotiations. Also provides design services on behalf of AT&T for facility relocations.
Jacob Thede, P.E. Utilities	5/4	Design Engineer responsible for plan preparation and roadway geometrics for various municipal projects for Geneva, Northbrook, Palatine, Schaumburg and Hanover Park, both locally-funded and federally funded.
Ed Lebbos, CFM, CWS Environmental	29/8	Environmental and Stormwater Engineer currently serving as the Watershed Development Officer for Libertyville as well as serving as BLA's Director of Environmental Services.

CRAIG A. LUKOWICZ, P.E.

Project Principal

Education

University of Illinois – B.S. Civil Engineering, 1979

Professional Registration

Professional Engineer:

State of Illinois: #062-041788, 1983

Professional Societies

Member-American Public Works Association (APWA); American Council of Consulting Engineers (ACEC); Illinois Society of Professional Engineers (ISPE); Illinois Road & Transportation Builders Association (IRTBA)

Industry Activities

Chapter American Public Works Association Golf Committee

American Consulting Engineers Council Committees

Illinois Department of Transportation Liaison

Illinois Department of Transportation Local Roads Committee

Illinois Road Builders Liaison Committee for Lake, Cook, DuPage, McHenry and Will Counties

American Public Works Association Fox Valley Branch Awards Committee

Experience Summary

Experience since 1979 in project management, design, feasibility studies and construction coordination of numerous site development, municipal, IDOT and ISTHA projects. Over 30 years as partner/owner in the firm.

Representative Projects

Project Principal for Pembroke Drive; Village of Lincolnshire – BLA prepared Phase II engineering design plans for 0.5 miles of watermain replacement, roadway reconstruction and drainage improvements along Pembroke Drive and several side streets. The project also included resurfacing adjacent side streets in order to complete rehabilitation in the Lincolnshire Woods subdivision.

Project Principal for Western Avenue; City of Highland Park and City of Highwood – Work included new sanitary sewer, watermain, storm sewer and reconstruction of the existing road. Public information meetings were conducted to brief the residents on the proposed construction activities affecting their homes. A special feature was converting the roadway from a rural section with shoulders to a curb and gutter section.

Project Principal for East State Street; City of Geneva – Work included PS&E for East State Street and Bennett Street for 1.35 miles. Adding a fifth lane, removing super elevation from an existing curve and adding three new traffic signals lowered prevailing speeds and improved efficiency, operations and safety. Streetscape improvements enhanced pedestrian accommodations, upgraded facilities for bus stops and improved conditions for adjacent redevelopment opportunities. Decorative brick edging was placed throughout the corridor and the latest PROWAG/ADA guidelines were implemented. Work included 4,100 feet of new 12 inch watermain to upgrade the existing system and new sanitary sewer manholes and services were provided.

Project Principal for Palatine Road and Plum Grove Road; Village of Palatine – STP and CMAQ helped fund the widening and reconstruction of the existing roadways and intersection. Work also included reconstruction of two railroad crossing widening and replacements with the UPRR

Project Principal for Palatine Road; Village of Palatine – Phase I included widening a two lane section through Palatine to a three lane section. Provided public relations with residents, hydraulics study for bridge crossing, drainage report, bike path analysis, IDS for two signalized intersections and maintenance of traffic study. Key elements included a closed drainage system to minimize right-of-way acquisition and an MOT study to allow residents access to the downtown during construction.

ROBERT R. ROLLINGS, P.E.

Director of Construction Engineering

Education

University of Missouri-Rolla – B.S. Civil Engineering, 1975

Professional Registration

Professional Engineer

State of Illinois: #062-041841, 1984

Certifications

IDOT Documentation of Contract Quantities #07-0075

Value Engineering NHI 82-19, 12/9/83

Professional Societies

President – American Public Works Association (APWA) Fox Valley Branch; Illinois Association of Highway Engineers (IAHE); Illinois Road & Transportation Builders Association (IRTBA); American Council of Engineering Companies (ACEC-IL)

Specialized Training

ALPS (Accelerated Leadership Proficiency Series)

ELDS (Executive Leadership Development Training)

Industry Activities

Past President of APWA Fox Valley Branch

Past Chairman of the APWA Fox Valley Branch Education Committee

Member of APWA Fox Valley Branch Education Committee

Experience Summary

Experience since 1975. Director of Construction Engineering managing a variety of construction projects for IDOT, ISTHA and various counties and municipalities. Over 10 years of service as Vice President/Director of Construction. Serving as Project Manager on a wide variety of municipal, county, state and Tollway projects as well as private clients for projects ranging from residential streets to expressways.

Over 27 years in IDOT District 1 Bureau of Construction, ranging from construction layout, inspection and documentation to Area Construction Supervisor and Bureau Chief of Construction. Extensive experience with MFT, STP and CMAQ funding.

Representative Projects

Sr. Project Manager for Church Road; Village of Bensenville – Provided resident engineering services for a 0.7 mile residential reconstruction with new storm sewer and watermain. Multiple conflicts with ComEd, Nicor, Comcast, AT&T, XO Fiber Optic, Light Tower and the DuPage Water Commission were challenging. Because of these challenges, time management and communication were necessary to ensure the project was completed on time. Work included curb/gutter, a multi-use path, ADA sidewalk, a hot mix asphalt road, striping, signs and landscaping. Public communication was vital. The road has homes, Blackhawk Middle School, Bensenville Library and United Methodist Church. The team held a public information meeting prior to work beginning and went door to door communicating driveway closures, water shutdowns and sidewalk closures. The project was completed on time and under budget.

Project Manager for Church Road; Village of Bensenville – Provided resident engineering for the construction of a pedestrian path as well as patching and resurfacing of Church Road from Grand Avenue to Jefferson Street. Project was constructed utilizing STP funds for patching, milling, resurfacing and striping. Also included was replacement of sidewalk ramps to meet current ADA standards. The project included public outreach and coordination with residents as well as the Bensenville Park District Golf Course located along the project.

Project Manager for Green Street and York Road; Village of Bensenville – The $2.9 million project included watermain, patches, curb/gutter, sidewalk, driveways and resurfacing. BLA performed inspection activities, oversaw utility relocations, developed traffic staging and managed the schedule and change orders. Public information meetings were conducted to brief the residents on the construction activities affecting their homes/businesses. A website was designed and maintained to keep everyone informed. Personal contact with each residence and business was made.

KERRY FIELD, P.E.

Assistant Director of Construction

Education

University of Illinois Urbana-Champaign – B.S. Civil Engineering, 1981

Professional Registration

Professional Engineer

State of Illinois: #062-043291, 1984

Professional Societies

Member – IRTBA

Industry Activities

10 years on IRTBA & IDOT District 1 Forum, Co-Chair for four years

Experience Summary

Highway construction experience since 1982. Senior Project Manager overseeing (11 years) of $20-70 million/year of road construction projects. Vice President of $80-100 million/year heavy highway contractor (six years). 17 years at IDOT Bureau of Construction. Resident Engineer on multi-million dollar projects ending as Area Construction Supervisor for all expressway projects in District 1.

Representative Projects

Senior Project Manager for Green Street and York Road; Village of Bensenville – The $2.9 million project included directional boring of watermain under a railroad, patches, curb, sidewalk, driveways and resurfacing. BLA performed inspection activities, oversaw utility relocations, developed traffic staging and managed the schedule and change orders. Public information meetings were conducted to brief the residents on the construction activities affecting their homes/businesses. A website was designed/maintained to keep everyone informed.

Senior Project Manager for Resurfacing Program; Village of Schaumburg – This $5 million project included the resurfacing/reconstruction of 20+ streets. Project included curb, sidewalk and driveway replacement. The most challenging aspect was keeping the amount of time residents were kept from their driveway access to a minimum. Worked with the Village to assess existing aggregate and soil conditions in order to provide the most durable roadway while saving time and money.

Senior Project Manager for Division Street; Village of River Forest – Provided construction services for the resurfacing of Division Street. Project was constructed utilizing STP funds for patching, milling, resurfacing and striping. Also included was replacement of sidewalk ramps to meet current ADA standards. The project included public outreach and coordination with residents as well as Dominican Priority School and University, Trinity High School, Concordia University and Grace Lutheran Church and School. BLA made door-to-door contact with residents and held briefing meetings with school administrators.

Project Manager for Wise Road; Village of Schaumburg – Scheduled construction activities and coordinated for this asphalt reconstruction project between Plum Grove Road and Roselle Road. CMAQ and STP money helped fund the $6 million residential widening, reconstruction, grading, new traffic signals, street lighting system and new bike path. A project website ensured solid communication and locals were personally visited to introduce the project, receive a brochure and be invited to a kick-off meeting. Acted as liaison with Village and consultant representatives. Ensured construction quality complied with standards, details and customer satisfaction.

DARREN C. FRAWLEY, P.E.

Resident Engineer

Education

Marquette University – B.S. Civil Engineering, 2002

Professional Registration

Professional Engineer:

State of Illinois: #062-064515, 2012

State of Wisconsin: #43244-6, 2013

Certifications

IDOT Documentation #14-0439

IDOT ICORS (Illinois Construction Records System)

IDOT Soils Field Testing & Inspection

APWA Certified Public Infrastructure Inspector

Specialized Training

Experienced with the use of total stations, data collectors, laser levels, performing level loops and GPS surveying software/equipment

Specialized Software

Microsoft Office, Microsoft Project, AutoCAD, Primavera, Heavy Construction Systems Specialists (HCSS) Software, Timberline, Agtek and Internet proficient

Experience Summary

Experience since 1998 in survey, estimating, project management, field inspection and resident engineering. Project experience includes erosion control, watermain, sanitary sewer, storm sewer, bridges, box culverts, retaining walls, reconstruction, traffic signals, lighting, high voltage underground cables and monitoring utility relocation. Experience as a construction manager with responsibilities of project manager/estimator on site work projects. Project experience includes planning, estimating, scheduling, GPS system management, invoicing, cost control and fleet management. Managed projects implemented by IDOT, ISTHA, Glenview, Aurora, Chicago, Highwood, Highland Park, Bensenville, Chicago Zoological Society, Tinley Park and Rolling Meadows.

Representative Projects

Resident Engineer for Church Road; Village of Bensenville – Provided resident engineering for a 0.7 mile residential reconstruction with new storm sewer and watermain. Multiple conflicts with ComEd, Nicor, Comcast, AT&T, XO Fiber Optic, Light Tower and the DuPage Water Commission were challenging. Because of these challenges, time management and communication were necessary to ensure the project was completed on time. Work included curb/gutter, a multi-use path, ADA sidewalk, a hot mix asphalt road, striping, signs and landscaping. Public communication was vital. The road has homes, Blackhawk Middle School, Bensenville Library and United Methodist Church.

Resident Engineer for Green Street and York Road; Village of Bensenville – The $2.9 million project included layout and inspection of watermain, pavement patches, curb/gutter, sidewalk, driveways and resurfacing. BLA performed inspection, oversaw utility relocations, developed traffic staging and managed contract schedule and change orders. A majority of the watermain was redesigned in the field because of utility conflicts and inaccurate plans. BLA coordinated water service interruptions in advance; door-to-door contact was made with local residents/businesses; public information meetings were conducted to brief the public on construction activities; a website was established to keep everyone informed and to address concerns.

Resident Engineer for Church Road; Village of Bensenville – Provided resident engineering services for the construction of a pedestrian path as well as patching and resurfacing of Church Road from Grand Avenue to Jefferson Street. Project utilized STP funds for pavement patching, milling, resurfacing and striping. Also included was removal/replacement of sidewalk ramps to meet current ADA standards. The project included extensive public outreach and coordination with residents as well as the Bensenville Park District Golf Course located along the project.

DAVID H. BOTTCHER, P.E.

Resident Engineer

Education

Southern Illinois University, Carbondale – B.S. Civil Engineering, 2006

Professional Registration

Professional Engineer

State of Illinois: #062-065447, 2013

Certifications

ICORS

IDOT Documentation of Contract Quantities #15-0115

IDOT STTP-S33 Soils Field Testing and Inspection

Material Management of Jobsites

Electronic RE Visual

Lake County DECI (Designated Erosion Control Inspector)

PCC TEC – 1

AGG TEC – 1

TMS

Professional Societies

Member – American Public Works Association (APWA)

Specialized Training

The Cardiac Arrest of HMA Pavements - Tim Murphy

Specialized Software

Microstation/Geopak

AutoCAD

EXCEL

Experience Summary

Experience since 2000 in transportation engineering, field inspection, project management, documentation, design and construction for IDOT, WisDOT, ISTHA, county, municipal and private transportation projects.

Representative Projects

Resident Engineer for Colfax Street; Village of Palatine – BLA provided resident engineering for a $0.6 million one mile resurfacing of an urban section of Colfax Street connecting Plum Grove to Quentin. The project was a revitalization of the area and scope included milling, concrete base patching, ADA sidewalk and curb improvements, resurfacing and pavement marking. The work zone was adjacent to the downtown Metra station and required extensive public outreach prior to and during construction to ensure the residents/businesses were informed and any special needs were fulfilled. Brochures were created and hand delivered to residents and 100+ local businesses including the Post Office and some 24-hour businesses. Establishing communication lines aided Colfax Street to be a success. The project was completed under budget, on schedule and met all IDOT closeout requirements.

Assistant Resident Engineer for Palatine Road; Village of Palatine – Palatine Road is a major traffic artery located in the Village's downtown. BLA supervised multiple crews simultaneously and provided administrative and technical direction for the $7 million project. Work included widening and reconstruction from two lanes to four with left turn lanes at three signalized intersections. Staging was a major component; BLA ensured the contractor maintained a safe work environment for pedestrians and drivers to access downtown businesses. Work included coordination and staging of two Metra/Union Pacific railroad crossings replaced as a part of the project including coordination of temporary railroad traffic signals during construction stages. BLA performed public relations which required project status updates to keep the project website current and the public up-to-date. BLA completed IDOT field inspections and documentation. BLA redesigned storm sewer and watermain to avoid conflicts and created a detailed as-built record to be reused for the Village atlas. Work included multiple traffic stages, detours, traffic signals, storm sewer, watermain, asphalt pavement, decorative street lighting and sidewalk replacement.

Resident Engineer for Erick Street; City of Crystal Lake – $3 million widening and reconstruction of Erick Street from two lanes to three with a designated center turn lane. Performed IDOT inspections and documentation. Responsibilities included overseeing all pay items including installation of an extensive storm sewer system, MSE retaining wall, concrete walks and curbs, HMA, landscaping, stripping and public relations with residents directly impacted.

DARREN T. FRANZEN

Resident Engineer

Education

Western Illinois University – Bachelor of Business-Economics, 1989

Certifications

IDOT Documentation of Contract Quantities #14-0372

Lake County Designated Erosion Control Inspector

IDOT QC/QA Certifications: Aggregate for Mixtures, Level 1 & II Hot Mix Asphalt, Level I & II Portland Cement Concrete

IDOT Certifications: Erosion Control, Bridge Repair, ICORS, Pavement Construction Inspection, Project Finalization Procedures

ISTHA Certifications: Proliance for the Construction Phase Processes, Erosion Control

Specialized Software

Meridian – Proliance

Primavera – Project Planner 3.0, Contractor, Expedition, Contract Manager

Experience Summary

More than 20 years of experience in construction management and observation, QC/QA materials testing and document control. Primary focus is maintaining schedules and cost controls. Public relations include visits to residents/businesses, timely responses to complaints and reports to assist staff in communicating with the public. Manages construction operations and quality management plans for agency and local government infrastructure projects. Extensive experience in all phases of construction including roadway, railway, multi-use path and bridge. Project specific experience includes precast, masonry and steel frame buildings; intelligent traffic systems; water transmission and distribution systems and a variety of erosion control practices.

Representative Projects

Resident Engineer for Street Improvement Program; Village of Schaumburg – BLA provided construction engineering for the $3.99 million Street Improvement Program including the Weathersfield Lakes residential subdivision, the Hammond/Palmer industrial area and the new Bethel Lane alignment and parking lot improvement. Work included concrete curb, driveway and sidewalk replacement in residential and industrial areas along with resurfacing of asphalt roadways. Work at Bethel Lane included the vacation and realignment of the roadway along with the relocation of existing parking lots. New traffic signals at the Bethel/Roselle provide additional safety. Roadway work included storm sewer, watermain improvements, sanitary sewer and installation of a StormTrap system within the parking lot pavement. BLA coordinated several months of utility work to remove conflicts and roadblocks to the contractor's progress. Public outreach services included regular updates to the Village's construction website, transmitting information and addressing concerns from the public via email, social media, printed material and direct contact.

Resident Engineer for Barrington Road at Schaumburg Road; Village of Schaumburg – A $6.5 million project to widen and resurface the intersection. The highly commercial area is a gateway for shoppers and residential commuters. The project included new watermain, underground storm sewer, curb, sidewalk, widening, resurfacing, lighting, signals and landscaping. Watermain work included installing new fire hydrants, relocating hydrants and coordination with regional authorities for work adjacent to transmission mains. Curb ramps for the sidewalk required detailed attention to conform to ADA standards. BLA coordinated traffic control staging within the project, as well as with the adjacent Cook County project on Schaumburg Road, to minimize impact on motorists. In addition, extensive efforts were used to inform and assist local businesses and residents; tools included a website, flyers, public meetings and door-to-door canvassing.

PHILLIP CLAY KELLER

Construction Engineer

Education

Bradley University – B.S. Civil Engineering, 2009

University of Missouri – M.S. Civil Engineering with Transportation Focus, 2012

Professional Registration

Engineer-in-Training

Certifications

IDOT Documentation of Contract Quantities #14-0472

IDOT STTP-S33 Soils Field Testing and Inspection

Fundamentals of Engineering (FE) 2009

Professional Societies

Institute of Transportation Engineers

Specialized Training

Interpretation of contract documents and IDOT/ISTHA specifications

Experience with Laser Levels and Level Loops

Specialized Software

Microsoft Office, Highway Capacity Software, AutoCAD, VISSIM, SPSS and Stata (Statistical Analysis Software), ArcGIS

Industry Activities

ASCE Publication – Evaluation of Dynamic Message Signs on Rural Freeways: Case Study of a Full Freeway Closure, 2013

Experience Summary

Construction Engineer experience since 2012 with responsibilities of interpreting and implementing design plans and specifications, ensuring ADA compliancy, contract documentation, daily activity diaries, safety inspections and facilitating time and material work. Project experience includes storm sewer, watermain, PCC sidewalk with curb/gutter, detector loops, asphalt resurfacing and patching and frame adjustments. Project locations include the Village of Bensenville next to O'Hare International Airport and the I-90 Tollway near Rockford.

Representative Projects

Resident Engineer for Church Road; Village of Bensenville – Provided resident engineering for the construction of a pedestrian path as well as patching and resurfacing of Church Road from Grand Avenue to Jefferson Street. Project utilized STP funds for pavement patching, milling, resurfacing and striping. Also included was replacement of sidewalk ramps to meet current ADA standards. The project included extensive public outreach and coordination with residents as well as the Bensenville Park District Golf Course located along the project.

Construction Engineer for Green Street and York Road; Village of Bensenville – A $3.2 million improvement including 1.5 miles of asphalt overlay and 2,000 feet of 12 inch watermain. Sidewalks were installed in regulation with ADA requirements. Responsibilities included overseeing watermain, asphalt paving, concrete sidewalk, curb/gutter and detectable warning installation along with daily documentation of activities. Assisted with designing watermain system in the field because of heavy utilities outside O'Hare International Airport. Additional responsibilities included assisting with closeout using ICORS and MISTIC for IDOT materials authorization.

Construction Engineer for Belle Plaine and Magnolia Avenues; Village of Gurnee – Provided Phase III resident engineering for the $2 million roadway rehabilitation program. Work consisted of three village streets; reconstruction; storm sewer; watermain; HMA pavement; sidewalk; curb; landscaping; and pavement marking. Project included two heavily traveled parallel roads connecting from Grand Avenue to the local elementary. Work utilized sequenced closures/detours to limit disruption to the public which required daily coordination with Gurnee School District 56, emergency responders and residents. BLA held a public information meeting, distributed notification letters door-to-door, wrote weekly updates with photos for the Village mailer and website and communicated daily with residents. Activities included working alongside the Village Engineering Department to ensure the project was completed as the Village had envisioned and met the residents' needs; work was completed under budget and ahead of schedule.

DANIEL B. BRUCKELMEYER, P.E.

Senior Project Manager

Education

Purdue University – B.S. Civil Engineering, 2004

Professional Registration

Professional Engineer

State of Illinois: #062-063352, 2010

Professional Societies

APWA Lake Branch Executive Committee, 2015-present

APWA Lake Branch Education Committee, 2011-14 (Chair, 2013-14)

ASCE

Specialized Software

AutoCAD Civil 3D

AutoCAD Land Desktop

AutoDesk Storm & Sanitary Analysis

Autoturn v.4.0-7.0+

Microstation V8 and V8i

Geopak

Paydirt Sitework

StormCAD/StormNET

Bentley FlowMaster/CulvertMaster/

PondPack

HEC-RAS

Highway Capacity Analysis (HCS)

SYNCHRO 7.0+

Experience Summary

Experience since 2004. Dan has experience in complete design and management for municipal and county transportation projects including roadway corridors, intersections and bridge improvements as well as utility replacements and extensions. Experience with locally-funded and federally-funded design projects let locally or though IDOT. Responsible for management of staff, contract preparation, design completion, obtaining permits and presentations.

Representative Projects

Project Manager for Pembroke Drive; Village of Lincolnshire – BLA prepared Phase II design plans for 0.5 miles of watermain replacement, roadway reconstruction and drainage improvements along Pembroke Drive and several side streets. "Hot" soils have deteriorated the main considerably resulting in ongoing breaks and other problems. Lincolnshire hired BLA because of existing field conditions that must be dealt with during design/construction. This roadway corridor has many trees, high end homes, private improvements extending into the right-of-way and some less than standard right-of-way widths.

Project Manager for Western Avenue; Cities of Highland Park and Highwood – The Phase II reconstruction was a half mile, joint municipality project as Western was the dividing line between the two communities. Considerable drainage issues were present within and immediately adjacent to the roadway and were corrected with the design. The project included 50+ new parking stalls for an adjacent little league field. Work included complete roadway reconstruction with curb/gutter; 2,700 feet of watermain replacement; sanitary sewer; relief sewer and sidewalk reconstruction. One lane for northbound traffic remained open during construction with a detour for southbound traffic.

Project Manager for East State Street; City of Geneva – Work included PS&E for East State and Bennett Street for 1.35 miles. Adding a fifth lane, removing super elevation from a curve and adding three new traffic signals lowered prevailing speeds and improved efficiency, operations and safety. Streetscape improvements enhanced pedestrian accommodations, upgraded facilities for bus stops and improved conditions for adjacent redevelopment opportunities. Decorative brick edging was placed and the latest PROWAG/ADA guidelines were implemented. Work included 4,100 feet of new 12 inch watermain and new sanitary sewer manholes and services were provided.

Project Manager for Walnut Lane; Village of Schaumburg – Phase I study for the reconstruction of Walnut Lane for 0.50 miles. The project included reconfiguration of the roadway typical section for allowance of both on-street parking and dedicated bike lanes as the existing condition was not in compliance with federal funding guidelines.

JAYMIN I. PATEL, P.E.

Senior Project Manager

Education

S.P. University (India), B.V.M. Engineering College – B.S. Civil Engineering, 1987

Professional Registration

Professional Engineer

State of Illinois: #062-051494, 1997

Professional Societies

Member – Illinois Association of Highway Engineers (IAHE)

Member – American Public Works Associates (APWA)

Member – American Society of Civil Engineers (ASCE)

Industry Activities

ACEC – Illinois Seminars

IDOT Seminars

ISTHA Seminars

Specialized Training

CECI/IDOT District One seminars on Drainage, Traffic Signals, Program Development, Phase I

Specialized Software

MicroStation

Geopak

AutoCAD

Highway Capacity

Hydrain

Experience Summary

Over 20 years in project management of plans, feasibility studies, project development reports and plan/constructability review. Duties include planning, designing, drawing, cost estimation and bidding of construction projects for IDOT, ISTHA, municipalities and counties.

Representative Projects

Project Manager for Hicks Road at First Bank Drive; Village of Palatine – BLA performed intersection modification tasks which included traffic counts; traffic impact study with 2030 traffic projections (based on ITE Trip Generation for Police Station and Mariano's); highway capacity software and capacity analysis; intersection design study with the auto turn movements; meetings with IDOT and Village; traffic study; IDOT IDS approval; Police Station driveway coordination; traffic signal modernization; and temporary/permanent interconnect.

Project Manager for Bothwell Street at Railroad Avenue; Village of Palatine – Prepared final engineering PS&E including prefinal and final submittals for the Bothwell Street at Railroad Avenue improvement. Work included topographic survey, milling, resurfacing, curb/gutter removal/replacement, sidewalk removal/replacement, pavement patching, lighting, bid documents and special provisions. Performed the Phase II conceptual alternative plan layouts of the on-street parking configurations and streetscapes. Each alternative incorporated potential streetscape improvements, parking stall configurations (90, 60, 45 degrees), space counts and cost comparison.

Project Manager for Gladiola Avenue; Village of Hanover Park – Provided Phase II PS&E for the reconstruction of Gladiola Avenue from Hollywood Avenue to Briarwood Avenue. BLA performed the roadway reconstruction design, profile modifications to correct residential driveway slopes, detour plans, permits, storm sewer calculations and quantities, erosion control plans, cross sections, earthwork calculations, special details, utility coordination and calculations of associated roadway quantities. BLA prepared bid documents for the Village; BLA performed the field checks, identified substandard geometry locations and revised the plans accordingly. The existing PCC pavement with HMA overlay was removed and reconstructed with HMA pavement.

Project Manager for the Railwalk; Village of Palatine – BLA prepared the PS&E including submittals for the Railwalk at the Palatine Road and Plum Grove Road intersection. BLA prepared the spot grade elevation plan with a closer view of the entrances and railwalk for constructability and proper drainage. BLA attended project meetings with the Village staff and local residents with respect to the maintenance of pedestrian traffic, utilities and streetscape items. Streetscape items included decorative walks, lighting and planters.

MATTHEW T. CESARIO, P.E.

Project Manager

Education

University of Iowa – B.S. Civil Engineering, 2007

Professional Registration

Professional Engineer

State of Illinois: #062-066160, 2014

Certifications

IDOT Documentation of Contract Quantities

Professional Societies

American Public Works Association (APWA) Fox Valley Branch

APWA Fox Valley Branch Membership Committee

American Council of Engineering Companies (ACEC) – Tollway

ACEC – Regional Informational Meeting Committee

Specialized Training

GEOPAK, Civil 3D, Soil and Erosion Control, Permitting, IDOT Documentation, Field Manager/Fit Course, IL Tollway Barrier Guidelines

Specialized Software

AutoCAD Civil 3D 2010-2012, StormCAD, Microstation V8 & V8i, GEOPAK, Auto-Turn, Hy-8 Culvert Design, Field Manager, Synchro 7.0, HCS+ Traffic Software, HCS+ Signal Warrants, Estimator 2.8, Trans.prt, Haestad Methods: Pondpack, TR-20, Stormnet, Axiom

Experience Summary

Consulting engineer since 2007; experience with design and coordination of site and transportation projects including reconstruction, expansion, traffic modeling, stormwater management and roundabouts. Design experience involves stormwater modeling and management reports; stormwater pollution prevention plans; roadway geometry; storm and sanitary sewer; hydraulic and hydrology analysis of streams, creeks and rivers for bridges/culverts; roadside barrier warrants; horizontal and vertical alignment; roundabout; traffic signals and contract plans. Tasks include permitting process; plan preparation; cost estimating; utility design/coordination; public meetings and inspections.

Representative Projects

Project Manager for Chicago Avenue; Village of River Forest – Phase I & II for the rehabilitation and reconfiguration of 1.0 miles of Chicago Avenue funded through STP. Responsibilities included Phase I approval through IDOT as a CE-I of which an ESR for cultural clearance was required because of the historic homes on Chicago Avenue. The recommendation to prevent the improper lane usage was the implementation of curb bump-outs at several intersections. These locations provided an opportunity to construct best management practice facilities such as rain gardens and drainage swales. Project included detailed grading of 60+ ADA ramps to meet current standards.

Project Manager for Division Street; Village of River Forest – Phase I & II for the rehabilitation of 1.0 miles of Division Street funded through STP. Besides providing plans indicating the proposed mill/resurface locations, it was necessary to detail 60+ ADA ramps to meet current standards. An important aspect was the extensive coordination between the Village, Concordia University, Dominican University and Trinity High School. The plans and special provisions were designed in a way as to coordinate the construction activities with the university/school events ensuring the least disturbance possible.

Project Manager for Benedictine Parkway; Village of Lisle - Phase I & II for 1.0 miles of a mill & resurfacing project with the addition of a signalized right turn lane at Maple Avenue funded through STP. Besides providing plans indicating the proposed mill/resurface locations, it was necessary to detail the ADA ramps to meet current standards.

Project Manager for Four Lakes Avenue over East Branch DuPage River; Village of Lisle –STP-Bridge funded Phase I & II PS&E for removal/replacement of bridge and approach roadway. Work modeled the river using HEC-RAS to determine the profile elevation to meet freeboard clearances. Because the profile was raised, reconstruction of the adjacent two lane road and intersection with East Lake Drive was mandatory. Coordination with ComEd and AT&T was essential.

GREGORY J. ELLWANGER, P.E.

Project Engineer

Education

Bradley University – B.S. Civil Engineering, 2009

Professional Registration

Professional Engineer

State of Illinois: #062-067088, 2015

Certifications

IDOT Documentation of Contract Quantities: #17-12693

Professional Societies

Member-American Society of Civil Engineers (ASCE)

Specialized Software

Microstation

Geopak

Autoturn

AutoCAD – Civil 3D

MathCAD

Highway Capacity Software (HCS)

StormCAD

Experience Summary

Experience since 2010 in design, construction and surveying. Experience as a design engineer with responsibilities of contract plan preparation, planning, design, drawing, cost estimation and bidding documents for various projects for IDOT, municipalities and counties. Design of private projects includes watermain installations, storm sewer design, site grading and detention design. Experience as a construction engineer with responsibilities to report field inspections to the resident engineer on transportation projects. Project experience consists of storm sewers, watermains, material testing, pavement reconstruction, patching, box culvert, survey, electrical work and monitoring utility work.

Representative Projects

Project Engineer for East State Street; City of Geneva – Prepared Phase II PS&E for 1.38 miles of East State Street from the Fox River to Kirk Road. The project required new storm sewers, watermain, replacing sanitary manholes, full pavement reconstruction and widening (with changes to the profile to improve site distance), replacing signals, pedestrian improvements and streetscape. In addition, coordination with the City and public utilities was required for the roadway widening and new storm sewers and watermain. Land acquisition from both public and private parcels. Permits and significant coordination with IDOT, Kane County and Geneva was required.

Project Engineer for Hicks Road and Rand Road; Village of Palatine – Phase II PS&E for pedestrian improvement to the signalized intersection at Hicks Road and Rand Road. Project required installation of crosswalks, sidewalks and sidewalk ramps to improve pedestrian movement thru the intersection. ADA standards and specifications were followed and implemented during design. Special attention was taken to avoid land acquisition or easements.

Project Engineer for Crystal Lake Avenue; City of Crystal Lake – PS&E for widening and resurfacing of the existing two lane pavement to three lanes, one in each direction and a shared median turn lane. The project included extensive utility coordination, storm sewer and watermain design to avoid potential conflicts. This project also involved coordination with the City to help accommodate resident's needs.

Project Engineer for Hicks Road at First Bank Drive; Village of Palatine – Work consisted of new intersection design for a proposed police station and grocery store site development. This project included design of an access driveway from full access to three-quarter access. Both the intersection and the access geometry were designed to allow for specified design vehicles using Autoturn software. A highway capacity analysis was completed to aid in the Intersection Design Study for the signals.

KEVIN E. KENNIFF, P.E., CFM

Project Manager/Hydraulic Engineer

Education

University of Iowa – B.S. Civil Engineering, 1995

Professional Registration

Professional Engineer

State of Illinois: #062-054009, 2000

State of Indiana: 11200159, 2011

State of Wisconsin: 44249-6, 2015

Professional Societies

American Society of Civil Engineers (ASCE)

Illinois Association for Floodplain and Stormwater Management (IAFSM)

Wisconsin Association for Floodplain, Stormwater and Coastal Management (WAFSCM)

Specialized Software

HEC-RAS, Agtek, AutoCAD Land Desktop, AutoTURN, FEQ, StormCAD, WaterCAD, XPSWMM

Certifications

Certified Floodplain Manager: IL-09-00474

Experience Summary

Experience since 1995 in project management, design and construction. Experience includes residential, commercial and recreational site development; flood relief and floodplain/floodway remapping as well as municipal, IDOT and ISTHA.

Representative Projects

Stormwater Management Permit Review Engineer; DuPage County – BLA performs technical reviews of stormwater management permit applications to assure compliance with DuPage County County-wide Stormwater and Floodplain Ordinance. Permit reviews include review of construction drawings and specs, supporting hydraulic and hydrologic calcs, stormwater management facilities, storm sewer and culvert design and erosion control; also include review of floodplain/floodway modifications and associated modeling (HEC-2, HEC-RAS, FEQ), compensatory storage and compliance with state and federal requirements governing floodplain/floodway alteration and permitting.

Stormwater Management Permit Review Engineer for Permit Review/Code Compliance Review; Village of Libertyville – Performed reviews of site development submittals for compliance with Libertyville codes and Lake County Watershed Development Ordinance. Reviews included special management areas, development in floodplains, wetlands, wetland buffers, storm sewer, sanitary sewer, watermain, roadway, ADA compliance and coordination with other permitting agencies. Coordination with Village staff and permit applicants was an important aspect of the permit review process.

Drainage Reviewer for Washington Street; Lake County DOT – Provided drainage and code compliance review. Reviewed drainage, detention, floodplain and wetland impacts for compliance with local, state and federal regulations for widening two miles of arterial roadway from two lanes to five through a residential area and design of a railroad underpass near Highland Lake. Work included review of hydraulic reports, detention calculations, proposed hydraulic models, underlying assumptions, flood studies, constructability, compensatory storage and final improvement plans. Review comments were organized citing ordinance sections and presented to design team and client.

Drainage Engineer for Short Street; Village of Lisle – Project reconstructed Short Street over the East Branch of the DuPage River. Work included development of HEC-RAS floodplain/floodway models, modification of existing FEQ floodplain models, Bridge Hydraulic Report, compensatory storage calculations, wetland impact assessment report and securing the required development permits. Permitting agencies included DuPage County, IDNR, IEPA, USACOE, IDOT and Lisle.

ERIK R. OLSON, P.E., DECI

Project Manager

Education

Iowa State University – B.S. Civil Engineering, 1996

Professional Registration

Professional Engineer

State of Illinois: #062-054976, 2002

State of Indiana: #11500017, 2015

State of Iowa: #17351, 2006

State of Wisconsin: #38621-6, 2006

Certifications

Certified Erosion and Sediment Control Designer and Inspector

Professional Societies

Member - American Society of Civil Engineers (ASCE)

APWA – Southwest Branch

Specialized Software

AutoCAD Civil 3D

Microstation

Haestad Methods: Pondpack, TR-20, HEC-RAS, Agtek Earthwork, FEQ

Autodesk Storm and Sanitary Analysis

Industry Activities

Currently active in the Illinois Section of the American Society of Civil Engineers-Urban Planning Development Group. Sat on Executive Board and completed term as Chair.

Experience Summary

Experience since 1996 as a consulting engineer with responsibilities of complete design and management of site development, roadway and municipal projects. Engineering design experience involves roadways, stormwater management, floodplain studies, sanitary sewer and water distribution systems and site development. Tasks include construction plans, utility design, site grading, earthwork, field survey work, construction inspection, specifications, client meetings, public hearings and permitting.

Representative Projects

Project Engineer for South River Lane; City of Geneva – Phase II for the $1.8 million reconstruction of 0.5 miles of the residential and commercial roadway with watermain and sanitary sewer. The project is partially within downtown Geneva's Historic District and careful consideration needed to occur to avoid impacting historic stone entryways and wrought iron fences. In addition to reconstruction plans, BLA designed a new eight inch watermain to replace the existing four inch watermain including an area between Fulton Street and South Street where the watermain actually ran in rear yards instead of the parkway. This section was designed with cartridge method directional drilling.

Project Manager/Engineer for Palatine Forcemain; Palatine – This project replaced one mile of eight inch forcemain along Cunningham Drive in Palatine. A very important design consideration was that existing service to a large part of the Village could not be disrupted. Several alternatives were researched for their cost and or service advantages and it was decided to parallel the existing forcemain with a new forcemain constructed of HDPE and directionally drilled to minimize impacts and reduce costs. Permitting was completed and coordinated with the MWRD. When project was completed, there was no disruption to existing service.

Project Manager for Bennett Street; Palatine – Responsible for the replacement of 2,000 feet of watermain on Bennett Street and 1,100 feet of watermain on Stuart Lane. This residential subdivision is older and has many mature trees. As is the same with most watermain replacements, keeping the residents water service active during construction was critical. Also of importance was maintaining the mature trees for the residents and keeping costs down for the Village. It was decided to run the watermain in the roadway to protect the trees, but this created an issue with 10 foot IEPA spacing requirements with sewer in the centerline of the road. The project was successful with minimal disruptions to residents' water or access.

JACOB THEDE, P.E.

Design/Project Engineer

Education

University of Illinois, Urbana-Champaign – B.S. Civil Engineering, 2012

Professional Registration

Professional Engineer:

State of Illinois: #062-069335, 2017

Professional Societies

American Society of Civil Engineers (ASCE)

American Society of Civil Engineers Younger Member Group (ASCE YMG) – Vice Chair, past Treasurer and past Director of Conferences

Specialized Software

Autodesk Revit

Autodesk AutoCAD

MicroStation V8i

GEOPAK

StormCAD

Storm and Sanitary Analysis 2012

ProjectWiseTR-20

HCS 2010

Experience Summary

A design and project engineer since 2013 working on plan preparation, roadway design, municipal design, drainage design, quantity take-off, bid documents and specifications. Performs work for IDOT, counties, villages and municipalities within the Chicagoland area. Municipal design includes drainage, storm sewer and watermain design. Performed as the main engineer contact for several projects and serves as a team member for Value Engineering studies.

Representative Projects

Project Engineer for Walnut Lane; Village of Schaumburg – Phase I study of 0.5 miles of residential roadway reconstruction estimated at $2.5 million. A typical section analysis was conducted to develop a new typical section the Village will look to implement in similar future projects. The design selected was single 12 foot lanes in both directions with eight foot parking bump-outs. The existing on-street bike lane is to be relocated to the parkway as an eight foot wide, PCC multi-use path. A complete Project Development Report was developed which included an intersection design study of Schaumburg Road/Walnut Lane, intersection traffic studies of Walnut Lane at Weathersfield Way and Warwick Lane and an environmental impact study. Materials were prepared for a public meeting with local residents to discuss the project.

Project Engineer for Plum Grove Road; Village of Palatine – Phase I and II for resurfacing two miles of Plum Grove Road. The project was funded by the Northwest Council of Mayors and Mangers STP program and processed under State CE for Phase I approval. Phase II consisted of removal and proposed design plans along with detailed ADA compliant ramp plans of 67 individual corners along Plum Grove Road. The project also included three separate stretches of curb that needed to be replaced along with parkway restoration.

Project Engineer for Colfax Street; Village of Palatine – Work included 1.06 miles of patching/resurfacing and reconstruction of all sidewalk ramps to comply with ADA requirements. The project was funded by the Northwest Council of Mayors and Managers STP program and administered by IDOT-BLRS. Phase I and II documents were prepared/submitted for approval.

Design Engineer for South River Lane; City of Geneva – Phase II engineering for 0.5 miles of residential and commercial roadway reconstruction estimated at $1.8 million. The project is located partially within downtown Geneva's Historic District and careful consideration was needed to avoid impacting historic stone entryways and wrought iron fences. Plans for a new eight inch watermain were developed along with drainage and utility plans.

EDMOND LEBBOS, CFM, CWS, DECI

Lead Plan Review/Environmental & Drainage Engineer

Education

University of Illinois – B.S. Civil Engineering, 1988

Certifications

Certified Floodplain Manager: IL-05-00180

Certified Wetland Specialist

IDOT Certified Erosion and Sediment Control Planning Designer and Inspector

Army Corps of Engineers – Wetland Delineation and Management Training Program

Professional Affiliation

Member – American Public Works Association (APWA); American Society of Civil Engineers (ASCE); Structural Engineering Institute (SEI); Illinois Association for Floodplain and Stormwater Management (IAFSM); Society of Wetland Scientist (SWS); Lake County Technical Advisory Committee (TAC); Lake County Municipal Advisory Committee (MAC)

Awards

2000 – Outstanding Government Employee given by Lake Zurich Chamber of Commerce Nomination

2006 – Outstanding Village Employee given by Lake Zurich Chamber of Commerce Nomination

Experience Summary

More than 25 years of municipal engineering, public and private improvement plans reviewing permitting process, watershed engineering analysis, floodplain manager, Soil Erosion and Sediment Control Designer and Inspector, construction inspection management, Community Rating System, wetland investigation, watermain, sanitary, public works, general engineering and contract management experience.

Representative Projects

Assistant Village Engineer for the Village of Lake Zurich – Responsible for a dept of five with an annual budget of $1 million. Provided engineering assistance and expertise regarding compliance with floodplain, stormwater management, zoning, subdivision ordinances; reviewed plans, specifications and engineering estimates. Provided engineering expertise on construction; oversaw construction and ensured the contract was implemented according to specs.

Watershed Enforcement Officer; Village of Libertyville – Reviewed plats, provided recommendations regarding agreements for subdivision, commercial and industrial projects. Ensured Lake County WDO compliance, municipal code and state regulations. Reviewed plans, floodplain/floodway, hydraulic/hydrologic calcs, comp storage calcs, flood building protections, as-builts, Building Elevation Certificate, floodplain certificate, sesc plans, best management practices and the wetland impact in according to the WDO and the Village standard provisions. Provided site inspections, contractor coordination, quantities and cost estimate reviews for Letter of Credit reduction, inspected soil erosion and sediment control practices. Coordinated with USACOE, IEPA, LCSMC and attended meetings with the residents.

Lake Zurich Shoreline Stabilization; Village of Lake Zurich – Prepared plans for 900 feet of shoreline stabilization, prepared a grant application through the IEPA (Clean Water Act 319) and administered the construction activities. Reviewed conservancy soil and wetland impact according to the WDO and Village provisions. Inspected the construction improvements and soil erosion and sediment control practices. Coordinated with the USACOE, IEPA, LCSWCD and NIPC.

Certified Wetland Specialist; Villages of Lake Zurich & Libertyville – Provides assistance and expertise regarding compliance with wetland standard provisions of the watershed ordinance, zoning, subdivision ordinances; reviews plans. Responsibilities include daily development coordination with developers, wetland/natural area assessments, delineations, designs, permitting, maintenance/monitoring and compliance of variety of public and private sectors as well as resolution of USACOE/U.S. Environmental Agency/Lake County SMC enforcement actions.

CONSULTING
ENGINEERS

Bollinger, Lach & Associates, Inc.

Office Locations

Corporate Office
333 Pierce Road
Suite 200
Itasca, IL 60143
(630) 438-6400
Fax (630) 438-6444

Lake Geneva Office
N 1977 Schaitel Road
Unit 300
Lake Geneva, WI 53147
(262) 249-0900
Fax (262) 249-5670

Indianapolis Office
8720 Castle Creek Parkway
Suite 329
Indianapolis, IN 46250
(317) 842-4500
Fax (317) 842-4506

Statement of Qualifications

Bensenville, Illinois

Civil Engineering Services

TRANSPORTATION ENGINEERS+PLANNERS

EXPERT • TRUSTED ADVISOR • FRIEND

Prepared for:
Joseph M. Caracci, P.E.
Director of Public Works

Village of Bensenville
717 E. Jefferson Street
Bensenville, Illinois 60106

Prepared by:
CBB
12400 Olive Boulevard, Suite 430
St. Louis, MO 63141
sleight@cbbtraffic.com

October 19, 2017

TRANSPORTATION
ENGINEERS+PLANNERS

October 19, 2017

Joseph M. Caracci, P.E.
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, Illinois 60106

RE: CBB Engineering Services Agreement

Dear Mr. Caracci,

CBB is pleased to submit our qualifications to provide transportation and traffic consulting services for the Village of Bensenville. We are enthusiastic for the opportunity to assist you in improving your local transportation network. Specifically, CBB is prepared to address any of Bensenville's needs regarding transportation-related design engineering, including the analysis, design and preparation of construction documents for traffic signals, pedestrian crossing signals and street lighting. CBB is well known for our ability to develop **innovative transportation solutions** to solve our clients' unique problems in **cost effective and efficient ways**.

CBB is a specialized firm **wholly focused on traffic engineering and transportation planning**. In fact, you will note that all of our licensed Professional Engineers are also certified Professional Traffic Operations Engineers. CBB staff includes traffic engineers, transportation planners, and transportation designers, all of whom have extensive experience. The staff's qualifications include:

- Twelve individuals that are registered as Professional Engineers,
- Twelve individuals that are registered as Professional Traffic Operations Engineers (PTOE) certified by the Institute of Transportation Engineers,
- Two individuals that are registered as Professional Transportation Planners,
- Several emerging young professional staff in the fields of engineering and planning, and
- Several engineers with post graduate degrees in transportation engineering and planning.

The professional staff is supported by several highly trained technical personnel. Our team of twenty-seven employees allows us to perform projects of all sizes.

We greatly value this opportunity to further our relationship with the Village of Bensenville. **We are recognized as an expert and leader in the fields of traffic engineering and transportation planning, working for safer, more sustainable and economically vibrant communities.** The following information is provided so that you may see why CBB is the right fit for Bensenville. Take a moment to realize how CBB can continue to be your **expert, trusted friend, and advisor**. If you would like additional information, we would appreciate the opportunity to meet with you and further discuss our qualifications.

Please note that George L. Crawford and Associates, Inc, established in 1973, is doing business as CBB effective December 26th, 2013. Our corporate name remains George L. Crawford and Associates, Inc

Sincerely,

Shawn J. Leight, PE, PTOE, PTP
Vice President

12400 Olive Blvd., Suite 430
Saint Louis, MO 63141
T 314.878.6644
F 314.878.5876

450 Cottonwood Road., Suite B
Glen Carbon, IL 62034
T. 618.656.2612
F. 314.878.5876

119 South Main Street
Saint Charles, MO 63301

www.cbbtraffic.com

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EXPERT. TRUSTED ADVISOR. FRIEND.

COMPANY OVERVIEW

MISSION STATEMENT

CBB is a Midwest firm where free-thinking, innovation, and collaboration merge with international best practices to provide traffic engineering and transportation planning solutions for safer, more sustainable, and economically vibrant communities.

ABOUT CBB

Established in 1973, CBB is a leader in transportation engineering and planning. Several of our staff members have advanced professional accomplishments including post-graduate degrees in transportation engineering and planning, licensure as Professional Engineers (PE), and certifications as Professional Traffic Operations Engineers (PTOE) and Professional Transportation Planners (PTP). Our active engagement in technical societies such as the Institute of Transportation Engineers (ITE), American Public Works Association (APWA), International Municipal Signals Association (IMSA), American Planning Association (APA), and Transportation Research Board (TRB) keep us abreast of new trends, advancements, and technologies.

SERVICE AREAS

ENGINEERING STUDIES AND PLANNING

CBB blends transportation engineering and planning to develop visionary, practical solutions that meet the needs of our clients. Through the use of the latest analytical tools, we work to promote safe and efficient access, mobility, and circulation. CBB has participated in every stage of project development such as access management, safety studies, traffic impact studies, comprehensive transportation plans, public engagement, and the writing of grant applications.

DESIGN SERVICES

The CBB team provides design services for public and private clients for projects ranging in size from interchanges to turn lanes and driveways. Each project is a unique assignment and we strive to develop alternatives that minimize impacts and construction costs. CBB has a wide-range of design experience including highways, complex intersections and interchanges, roundabouts, traffic calming, sidewalks, trails, ADA compliance, traffic signals, intelligent transportation services (ITS), and lighting.

ARTERIAL OPERATIONS

CBB specializes in the analysis, optimization and synchronization of signalized intersections along corridors and within urban networks. Our signature approach incorporates core traffic engineering practices combined with extensive in-field implementation strategies. CBB also specializes in real-time management of traffic for construction and other projects, including signal turn-on assistance and detour mitigation.

FREEWAY OPERATIONS

CBB's extensive freeway operations experience provides us with a deep understanding of the issues and challenges related to complex urban freeways. We use advanced traffic simulation modeling techniques to thoroughly test alternatives. We understand advanced operational strategies and how to apply them to on-the-ground systems. Our team regularly performs Access Justification Reports, bottleneck removal plans, corridor evaluations, and interchange studies.

SUSTAINABLE TRANSPORTATION

CBB believes that multimodal transportation solutions and balanced transportation systems are vital to connecting communities. Our team has experience with bicycle and pedestrian planning, Great Streets, Complete Streets, Safe Routes to Schools, trail planning, and walkability audits. CBB also understands that new technologies can often enhance the efficiency and effectiveness of transportation infrastructure through "Smart City" concepts. CBB's practical approach to sustainable transportation solutions helps to ensure that our recommendations are implementable in the communities that we serve.

DATA COLLECTION

CBB understands the importance of starting projects with accurate data, since the data is the foundation for transportation decision making. Our staff performs traffic counts, parking inventories, speed studies, gap and delay studies, origin and destination studies, sidewalk inventories and sign inventories. Our dedicated technical staff allows us to provide our clients with quality transportation data at a minimal cost. Our inventory of data collection equipment allows us to respond quickly to project needs.

KEY PROJECT STAFF

Principal Owners

Resumes Attached

Shawn Leight, PE, PTOE, PTP
Vice President and COO

Chris Brammeier, PE, PTOE
Principal – Roadway Engineering

Lee Cannon, PE, PTOE
Principal – Traffic Engineering

Associates

Resumes Attached

Mike Dolde, PE, PTOE
Senior Traffic Engineer

Erika Fuesting
Project Manager – Signals, Lighting and ITS

Brian Courtwright, PE, PTOE
Transportation Engineer

Professional Staff

Resumes Attached

Jim Kane, EIT
Transportation Studies Specialist

BUSINESS LICENSE AND CORPORATE PROFESSIONAL ENGINEERING REGISTRATION

STATE OF MISSOURI

Jason Kander
Secretary of State

CORPORATION DIVISION
CERTIFICATE OF GOOD STANDING

I, JASON KANDER, Secretary of State of the State of Missouri, do hereby certify that the records in my office and in my care and custody reveal that

GEORGE L. CRAWFORD AND ASSOCIATES, INC.
00163508

was created under the laws of this State on the 7th day of August, 1973, and is in good standing, having fully complied with all requirements of this office.

IN TESTIMONY WHEREOF, I hereunto set my hand and cause to be affixed the GREAT SEAL of the State of Missouri. Done at the City of Jefferson, this 10th day of December, 2014.

Secretary of State

Certification Number: CERT-12102014-0070



State of Missouri

Department of Insurance, Financial Institutions and Professional Registration
Division of Professional Registration
Board for Architects, Engineers, Land Surveyors & Landscape Architects
Professional Engineering Corporation

VALID THROUGH DECEMBER 31, 2018
ORIGINAL CERTIFICATE/LICENSE NO. 000381

GEORGE L CRAWFORD & ASSOCIATES INC
12400 OLIVE BOULEVARD, SUITE 430
SAINT LOUIS MO 63141
USA

Judy Kempker
EXECUTIVE DIRECTOR

DIVISION DIRECTOR

WORK WITH GOVERNMENT AGENCIES, LAST 2 YEARS

STATE GOVERNMENT

Illinois Department of Transportation (IDOT)
Missouri Department of Transportation (MoDOT)
Arkansas Highway and Transportation Department (AHTD)

CITY GOVERNMENT

Ballwin, MO
Brentwood, MO
Columbia, MO
Clayton, MO
Des Peres, MO
Ellisville, MO
Farmington, MO
Ferguson, MO
Festus, MO
Herculaneum, MO
Manchester, MO
Maryland Heights, MO
O'Fallon, IL
O'Fallon, MO
St. Charles, MO
St. Louis, MO
University City, MO
Webster Groves, MO
Wentzville, MO

COUNTY GOVERNMENT

Boone County, MO
Jefferson County, MO
Madison County, IL
St. Charles County, MO
St. Louis County, MO

METROPOLITAN PLANNING ORGANIZATIONS

East-West Gateway Council of Governments
Joplin Area Transportation Study Organization

SERVICES

Access Management
ADA Compliance
Bicycle/Pedestrian Plans & Facilities
Community & Stakeholder Engagement
Complete Streets
Construction Detour Mitigation
Construction Review & Inspection
Data Collection
Expert Witness Services
Freeway & Arterial Operations
Funding & Grant Applications
Geographic Information Systems (GIS)
Great Streets
Micro-simulation Modeling
Parking Studies
Roadway & Intersection Design
Roundabout Studies & Design
Safety Studies & Analysis
Signal Optimization & Synchronization
"Smart City" Planning
Sustainable Transportation Solutions
Traffic Calming
Traffic Impact Studies
Traffic Signal, Lighting & ITS Design
Traffic Signal Turn-Ons & Programming
Training & Professional Development
Transportation Planning
Travel Forecasting & Modeling

LETTER FROM ILLINOIS DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

September 13, 2016

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Srinivasa R Yanamanamanda
CBB
12400 Olive Blvd Suite 430
Suite 430
St. Louis, MO 63141

Dear Srinivasa R Yanamanamanda,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $10,400,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 159.08% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

PROJECT EXPERIENCE

Project/Client	Missouri Route 364 Page Design Build Project St. Charles County, MO
Scope of Work / Contractor / Client POC	Construction of nine miles of four-lane freeway. CBB responsible for modeling/operational analyses, Access Justification Report, design of traffic signals and ITS, signal timing plans. CBB was also on team for roundabout design/build at on/off ramp. Phase 3. David J. Simmons P.E. – MO 364 Design-Build Project Director (314) 453-1878
Project Team	Shawn Leight – Project Manager, Jonathan Deves – Traffic Engineer, Brian Rensing – Traffic Engineer, Mike Dolde – Traffic Engineer, Erika Fuesting – Signals and Lighting, Brian Courtwright – Design Engineer
Construction Cost / Fee / Year	$118.2M / $675,000 / 2014

Project/Client	Kiener Plaza Intersection Improvements CMAQ – 9900 (676) City of St. Louis, MO
Scope of Work / Contractor / Client POC	Downtown plaza redesign. CBB was responsible for traffic signal improvements, ADA upgrades, curb 'bulb outs,' new bicycle facilities with bike signal and wireless detection. John Kohler – Board of Public Service (314) 589-6623
Project Team	Christopher Brammeier – Project Manager, Erika Fuesting – Signals and Lighting, Brian Courtwright – Design Engineer
Construction Cost / Fee / Year	$1,242,142.51 / $175,583.92 / 2016

Project/Client	Skinker Boulevard/McCausland Avenue, Clayton Road, Oakland Avenue Intersection Improvements CMAQ – 5401 (707) City of St. Louis, MO
Scope of Work / Contractor / Client POC	CBB provided a concept plan to secure CMAQ funding, design plans including new traffic signals, pedestrian crossings, extension of dual-use trail, new bicycle lanes. Eric R. Bothe, P.E. – Design Division Project Manager (314) 641-8379
Project Team	Christopher Brammeier – Project Manager, Erika Fuesting – Signals and Lighting, Brian Courtwright – Design Engineer
Construction Cost / Fee / Year	$1,456,070.60/ $241,704 / 2014

Project/Client	North Green Mount Road and Central Park Drive O'Fallon, IL
Scope of Work / Contractor / Client POC	CBB completed a traffic study recommending capacity improvements and secured CMAQ funding for the City of O'Fallon. CBB completed improvements, including widening or roadway, crosswalks, ADA curb ramps, signal replacement, relocation of highway lighting, and IDS. Jeff Taylor, P.E. – Director of Public Works (618) 624-4500 x3
Project Team	Christopher Brammeier – Project Manager, Erika Fuesting – Signals and Lighting, Brian Courtwright – Design Engineer, Paige Martz – Professional Staff
Construction Cost / Fee / Year	N/A / $114,000 / 2017

PROJECT EXPERIENCE

Missouri Route 364 Page Design Build Project

St. Charles County, MO

START/FINISH: October 2012 - November 2014
REFERENCE: David J. Simmons P.E.
MO 364 Design-Build Project Director
Missouri Department of Transportation
1590 Woodlake Drive
Chesterfield, MO 63017
314-453-1878
David.J.Simmons@modot.mo.gov

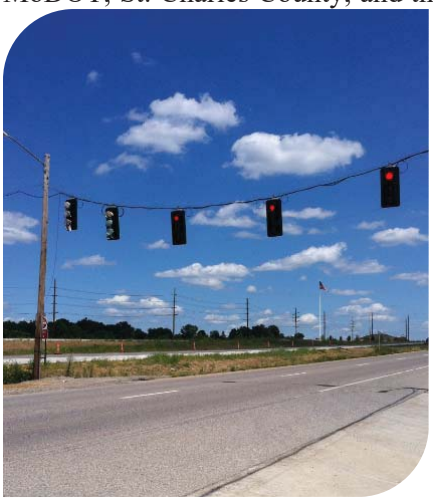




CBB was a member of the Page Constructors Design-Build team and contributed to many parts of the Award Winning Missouri Route 364 Phase 3 Design-Build Project in St. Charles County. The $72 Million project included the construction of 9 miles of new 4-lane freeway from Mid Rivers Mall Drive in Saint Peters to I-64 in Lake Saint Louis; thus completing a freeway connection from I-270 in Saint Louis County to I-64 in Saint Charles County. The project opened to traffic in November 2014. In August 2015, the project was awarded the Mid America Association of State Highway and Transportation Officials (MAASHTO) Project of the Year for 'Quality of Life/Community Development Category.

CBB participated in the development of conceptual interchange layouts and developed traffic models that were used to evaluate the project's operational performance. All interchanges were evaluated with HCM methodologies and the system was evaluated with VISSIM software. SYNCHRO was used to evaluate traffic signal operations. The models assisted the contractor team and MoDOT in selecting interchange concepts for each location and optimizing design details for each interchange. CBB was responsible for the project's Access Justification Report (AJR) at the interchange of Route 364 with I-64.

One of CBB's primary roles was to serve as the chief designer for all traffic signals and Intelligent Transportation Systems (ITS) on the project. In this role CBB developed design plans and coordinated design efforts between the contractor team, MoDOT, St. Charles County, and the various cities along the corridor. This work included four new and four modified traffic signals, six Dynamic Message Sign (DMS) boards, five Closed-Circuit Television (CCTV) surveillance camera stations, eight Remote Traffic Microwave Sensor (RTMS) detector units, and approximately 100,000 feet of fiber optic cable to connect these field devices to MoDOT's Transportation Management Center (TMC). CBB was also responsible for all traffic signal operations on the project. Traffic signal timing plans were developed and implemented for both maintenance of traffic (MOT) and permanent operations.



CBB also assisted the design/build team in the design of a roundabout at the termination of the westbound on/off ramps at Bryan Road. Duties included geometric review, elevation warping, grading, signing and marking. As well as the design of the roundabout, CBB assisted the design/build team for various mainline tasks such as cul-de-sac/turn around details, gore warping details, overhead truss design and sign post height/quantities calculations.

PROJECT EXPERIENCE

Kiener Plaza Intersection Improvements

CMAQ – 9900 (676)

City of St. Louis, MO

START/FINISH: 2015 - 2016

REFERENCE: Eric R. Bothe
Board of Public Service
City of St. Louis
(314) 641-8379
bothee@stlouis-mo.gov

Construction started in February on the $19 million Kiener Plaza renovations. The redesign of Kiener Plaza comes in conjunction with the $380 million Gateway Arch Grounds renovation, coordinated by CityArchRiver. The goal of this project is to 'better connect downtown's urban fabric, be flexible for events year-round, and offer new urban park amenities,' according to CityArchRiver. As a hub for visitors to the downtown amenities, this park serves as an important public space for the City of St. Louis and the downtown community.

The updated Kiener Plaza includes wide shaded sidewalks, a large central lawn, interactive fountains, including a new fountain for the 'Runner' statue, bicycle parking, a woodland garden, and café seating. In addition to a comfortable park environment, it is imperative transportation moves efficiently and safely around the area as renovations are complete. CBB was responsible for designing the transportation enhancements around the park, including upgrades for pedestrians, bicycles and motorist, totaling $1.25 million in CMAQ funded construction costs.

CBB designed traffic signal improvements at five signals surrounding the park including new signal controllers, ADA upgrades - curb ramps and sidewalks, and updated signal infrastructure to replace the current system. The signal arms along Chestnut and a portion of Broadway were designed with the ability to swivel away from the road to accommodate parades and other special events. As a part of the sidewalk improvements, CBB designed curb 'bulb outs', where appropriate to enhance pedestrian visibility and shorten crossing distance. CBB's plans include updated medians and midblock crossings, in addition to new bicycle facilities - a parking protected bicycle lane on Chestnut and the City's first bike signal at 6th and Chestnut, as well as wireless sensor detection for bicycles. Several roadways will be milled and resurfaced including Market Street, which will be striped for back-in, angled parking adjacent to the plaza.

The transportation improvements are an important part of this park upgrade, as they will help visitors travel to, from and through the park in a safe, efficient, and inviting manner. Project partners include Great Rivers Greenway, CityArchRiver Foundation, and the City of St. Louis. Construction is scheduled to be complete in Spring 2017.

PROJECT EXPERIENCE

Skinker Boulevard/McCausland Avenue, Clayton Road, Oakland Avenue Intersection Improvements

CMAQ – 5401 (707)

City of St. Louis, MO

START/FINISH: July 2013 - November 2015

REFERENCE: John Kohler
Board of Public Service
City of St. Louis
(314) 589-6623
kohlerj@stlouis-mo.gov



CBB recently partnered with the City of St. Louis to complete enhancements at the "Front Door to Forest Park" (Skinker Boulevard/McCausland Avenue and Clayton Road, Oakland Avenue, Clayton Avenue). As part of a traffic study process, CBB provided a concept plan that was used by the City to successfully secure 1.6 million dollars in federal funding through the Congestion Mitigation Air Quality program (CMAQ). The CMAQ program has a multi-modal focus on transportation, and strives to develop improvement projects with an environmental benefit.

CBB completed design plans in 2014 and construction was completed 2015. The project provides new traffic signals, marked crosswalks, and signalized pedestrian crossings. The project also includes the extension of a dual use trail that connects Forest Park to a mile of new sidewalk and buffered bicycle lanes on Oakland Avenue, extending to Hampton Avenue. New bicycle lanes were established via a "road diet" by converting the underutilized four lane section of Oakland Avenue to two lanes of traffic.



PROJECT EXPERIENCE

North Green Mount Road and Central Park Drive

O'Fallon, IL

START/FINISH: 2016-present

REFERENCE: Jeff Taylor, P.E.
Director of Public Works
City of O'Fallon
618-624-4500 x 3
jtaylor@ofallon.org

The project began with CBB completing a traffic study at the heavily congested intersection of North Green Mount Road and Central Park Drive for the City of O'Fallon, Illinois, recommending capacity improvements. Based on the information outlined in the traffic study, Congestion Mitigation and Air Quality (CMAQ) funding for the improvements was secured.

CBB was selected to complete the improvements, consisting of widening for a southbound right-turn lane, eastbound right-turn lane and eastbound through lane as well as conversion of a northbound painted median for dual left-turning lanes and conversion of an existing eastbound through lane to a shared left-turn/through lane. The intersection was also enhanced with crosswalks, ADA curb ramps and additional connections to the existing sidewalk system to complete a functional pedestrian-way. The project also consisted of complete signal replacement and relocation of the existing highway lighting.

In order to complete this project, CBB prepared a Project Development Report, including an Intersection Design Study. Currently, CBB is completing the design of the construction documents, which include Roadway Plans, Traffic Signal Plans, Lighting Plans, Right-of-Way Plan, Traffic Control and Staging Plans, Storm Sewer Design, Intersection Details, Cost Estimate, Estimate of Time and Job Special Provisions. As part of this project, CBB performed extensive coordination between the City of O'Fallon, St. Clair County Highway Department and the Illinois Department of Transportation.

FIRM ORGANIZATIONAL CHART

Srinivasa R. Yanamanamanda – President & CEO
Shawn J. Leight – Vice President
Robert L. Cannon – Principal, Traffic Studies
Christopher M. Brammeier – Principal, Roadway Design

Michael J. Dolde – Associate, Traffic Operations and ITS
Erika L. Fuesting – Associate, Traffic Signals
Shawn L. White – Associate, Traffic Studies
Jonathan S. Deves – Associate, Traffic Operations
Brian J. Rensing – Associate, Traffic Studies
Robert M. Twillman – Associate, Traffic Signals
Brian Courtwright – Associate, Roadway Design

PROFESSIONAL RESUMES

CBB professional staff resumes follow.

STAFFING

Name/Registration/ Title	Years of Experience/ At Firm	IDOT/Municipal Project Experience
Shawn Leight, PE, PTOE, PTP/ Vice President & COO	24/15	Boone County, MO, Northeast Transportation Plan, Demand Modeling, Planning, Funding Strategy. Served as Project Manager.
Christopher Brammeier, PE, PTOE/ Principal	20/16	City of St. Louis, MO, Broadway and Park – 7th Street, STP, Intersection Improvements, Traffic Signals, Geometric Modifications, ADA Curb Ramps. Served as Project Manager. Led in-house staff and coordinated with developers of adjacent properties.
Lee Cannon, PE, PTOE/ Principal	23/23	O'Fallon, IL, Major Thoroughfare Plan Updates, Demand Modeling and Design Criteria Recommendation. Accounted for new interchange and coordinated with IDOT regarding Gateway Connector Corridor. Served as project manager.
Mike Dolde, PE, PTOE/ Senior Traffic Engineer	14/14	IDOT Districts 2-9, Signal Coordination and Timing (SCAT) Program, yearly for past eight years, Signal Optimization, Field Engineering Studies, Timing Plan Development, Field Implementations.
Erika Fuesting/ Project Manager	22/14	O'Fallon, IL, N. Green Mount Road & Central Park Drive, Traffic Signal/Lighting Modifications, Vehicle Detection.
Brian Courtwright, PE, PTOE/ Transportation Engineer	18/12	Fairview Heights, IL, Lincoln Highway & Lexington/Aubuchon, Roadway Design. Coordinated with signal design engineers, site engineers, and IDOT District 8 permit section.
Jim Kane, EIT/ Transportation Studies Specialist	3/3	State of Missouri, Traffic Engineering Assistance Program, Traffic Studies, Intersection Safety and Operations, Road Curve Inventory. Performed field observations and traffic and safety analyses.

Shawn Leight, PE, PTOE, PTP

Vice President/COO



Education
M.S., Transportation Engineering, University of Wisconsin at Madison, 1997

B.S., Environmental Engineering, United States Military Academy at West Point, 1993

Academic Appointments
Adjunct Professor, Washington University &University of Missouri St. Louis Joint Civil Engineering Program (2003 to Present)

Registration
Professional Engineer (PE) in Colorado, Illinois, Kentucky, Minnesota, Missouri, North Carolina and Wisconsin

Professional Traffic Operations Engineer (PTOE)

Professional Transportation Planner (PTP)

Professional Activities
Institute of Transportation Engineers (ITE)
President

Missouri Valley Section of ITE
President (2009)

Transportation Engineering Association of Metropolitan St. Louis (TEAM StL)
President (2005)
Administrator (2007-Present)

Transportation Research Board
Military Transportation Committee

American Society of Civil Engineers

Mr. Leight works to improve communities by forging relationships and advancing forward thinking solutions. Shawn engages with transportation professionals internationally to develop a vision for better transportation systems. Shawn is Vice President at CBB, leading the firm's day-to-day project delivery and business development efforts. He has worked in virtually every stage of project development and has been a part of several innovative projects, such as the New I-64 Project in St. Louis; which won the 2010 American Association of State Highway and Transportation Officials (AASHTO) Best Transportation Project award. As an adjunct professor at Washington University in St. Louis since 2003, Mr. Leight has instructed over 250 students in traffic engineering and transportation planning. Shawn serves on several boards and committees for professional organizations that support the transportation industry. He is currently the International President of the Institute of Transportation Engineers (ITE). Shawn's work in the St. Louis region has been featured on KMOX and St. Louis Public Radio as well as in St. Louis Magazine and the River Front Times. The following projects represent Mr. Leight's experience in Central Missouri.

Boone County Northeast Transportation Plan
Boone County, MO

Mr. Leight led the effort to develop a master transportation plan for the northeast portion of Boone County. The northeast subarea has come under increased development pressure and partnering agencies (the City of Columbia, CATSO, and MODOT) have recognized the need for collaborative planning to better facilitate the development of a coordinated and cohesive roadway network. CBB's work consisted of several tasks including: 1) forecasting future traffic volumes and patterns using the CATSO regional travel demand model, 2) identification and development of costs for needed roadway improvements and 3) developing a funding strategy. The result was the development of a $70,000,000 master transportation plan which will guide the future development of the area's roadway network.

USDOT Smart Cities Challenge
City of St. Louis, MO

Mr. Leight served as the Project Manager that assisted the City of St. Louis with their 2016 USDOT Smart City Challenge application: "Connecting People and Opportunity". The purpose of this challenge was to get cities thinking about how future transportation systems can improve people's lives, and how to start moving toward a "Smarter" future now. CBB helped the City of St. Louis coordinate with multiple agencies and various stakeholders for the application submission. Mr. Leight coordinated stakeholder engagement (including a project workshop involving more than fifteen agencies), application development, and final submission. Mr. Leight led the study group that developed projects that would use forward-thinking smart technology to better connect the St. Louis Region. The application, officially submitted by the City of St. Louis, was co-sponsored by MoDOT, East West Gateway Council of Governments, Bi-State Development Agency, St. Louis County Department of Transportation, and Great Rivers Greenway.

Camden County Lake Area Master Plan
Camden County, MO

Mr. Leight led the development of a Multimodal Transportation Plan in support of an update to Camden County's comprehensive Lake Area land-use plan. The Lake Area has continued to gain popularity as a tourist destination and local leaders desired a clear vision to assist in decision making related to future growth and infrastructure development. A thorough review and analysis of the existing transportation network was completed taking into consideration the unique transportation characteristics of a rural area with urban demands. The study process involved a hands-on approach to allow the community to show the plan team where the issues were and where future connections, sidewalks, and bike paths were needed.

Christopher Brammeier, PE, PTOE

Principal – Roadway Design



Mr. Brammeier has over twenty years of experience in the civil engineering field. He oversees all civil engineering design and construction engineering projects at CBB and serves as project manager on a variety of CBB efforts in multiple municipalities and counties. His areas of expertise include roadway design, hydraulics and hydrology, and floodplain management. Prior to CBB, Mr. Brammeier was employed by the St. Louis County Department of Highways and Traffic and by St. Louis County as the Airport Engineer at Spirit of St. Louis Airport. The following projects are typical of Mr. Brammeier's experience.

Education

M.S., Civil Engineering, University of Missouri – Rolla, 1995

B.S., Civil Engineering, Southern Illinois University - Edwardsville, 1991

Registration

Professional Engineer (PE) in Arkansas, Illinois, Iowa, Kansas, Missouri, Oklahoma, and South Dakota

Professional Traffic Operations Engineer (PTOE)

Professional Activities

Transportation Engineering Association of Metropolitan St. Louis (TEAM StL)

American Public Works Association (APWA)

Specialized Training

FAA Standards

AutoTurn

GuideSign

Roundabout Design

AutoCad

Stormwater and Floodplain Analysis (HEC2)

Broadway and Park – 7th Street, STP 5422(612)

City of St. Louis, MO

Mr. Brammeier served as project manager for intersection improvements for the City of St. Louis, Board of Public Service on this STP project. The improvements to the intersection included two new traffic signals, geometric modifications, decorative medians, sidewalk, ADA curb ramp design as well as street lighting, mill and repaving of the project limits with Enviropave material and a decorative, low maintenance tree lawn. Improvements required coordination with the adjacent expansion of the Clean Company building as well as construction of M and L Foods.

Kiener Plaza Roadway Design

City of St. Louis, MO

Mr. Brammeier served as the project manager, overseeing the design of $1.25 million CMAQ funded roadway improvements associated with the $19 million Kiener Plaza redesign (as part of the $380 million Gateway Arch Grounds renovation). CBB designed traffic signal improvements at five signals surrounding the park, ADA upgrades - curb ramps and sidewalks, and updated signal infrastructure to replace the current system. As a part of the sidewalk improvements, CBB designed curb 'bulb outs', where appropriate to enhance pedestrian visibility and shorten crossing distance. CBB's plans include updated medians and midblock crossings, in addition to new bicycle facilities - a parking protected bicycle lane on Chestnut and the City's first bike signal at 6th and Chestnut, as well as wireless sensor detection for bicycles.

Rock Hill and Brownbert Lane, STP 5577(630)

Rock Hill, MO

Mr. Brammeier served as project manager for the design and construction engineering of a traffic signal at the Steger School in the Webster Groves School District. The project consisted of the installation of new sidewalk, curb ramps, raised median that are stamped and colored as well as raised medians with similar treatments. Additional parking was designed for the school as well as improvements to the circulation and student "drop-off" plan.

Skinker Boulevard/McCauland Avenue, Clayton Road, Oakland Avenue Intersection Improvements, CMAQ 5401 (707)

City of St. Louis, MO

As the project manager, Mr. Brammeier oversaw the design of three new traffic signals, including bicycle and pedestrian accessibility improvements, which enhanced the overall operation and safety at the 'front door to Forest Park'. Upon completion, the project will provide new traffic signals to replace the gaining system that currently controls the multi-legged complex intersection. In addition to signals, the pedestrian enhancements include the addition of marked continental crosswalks, as well as signalized pedestrian crossings, bump outs at Tamm, lane removals and the extension of a dual use trail that connects Forest Park to a mile of new sidewalk and buffered bicycle lanes, extending to Hampton Avenue.

R. Lee Cannon, PE, PTOE

Principal – Traffic Engineering



Education

M.S., Civil Engineering, University of Tennessee, 1994

B.S., Civil Engineering, Christian Brothers University, 1992

Registration

Professional Engineer (PE) in Illinois, Idaho, Kentucky, Missouri, Nevada and North Dakota

Professional Traffic Operations Engineer (PTOE)

Professional Activities

Institute of Transportation Engineers (ITE)

Missouri Valley ITE (MOVITE)

Transportation Engineering Association of Metropolitan St. Louis (TEAM StL), TEAM Fair Planning Committee, 2003 - 2014, Past President

American Public Works Association (APWA), Missouri Board, Director

Chi Epsilon

Mr. Cannon has been involved in many facets of traffic engineering and transportation planning since joining CBB in 1994. He has completed hundreds of traffic impact studies, operational improvement studies, safety studies, comprehensive master plans and parking studies both large and small in scale. Mr. Cannon is the firm's expert on projects that address the special needs of large trucks on industrial sites and truck terminals. He has addressed residential, commercial, industrial, healthcare and other institutional land use proposals, expansions and re-developments. He has also been involved in corridor studies (roadway realignment, relocation and bypass studies) and roadway, intersection and interchange geometric improvement projects.

Mr. Cannon is well versed in the specialized requirements of federally funded projects and has completed multiple successful funding applications, prepared service contracts and supplemental agreements and overseen compliance with funding goals and requirements. Mr. Cannon acts as a third-party traffic engineer for a variety of municipalities and often works closely with review agency officials to find reasonable and financially feasible solutions to complex access issues on public agency and private projects. He routinely provides public hearing testimony in cases involving development projects and expert witness testimony for high profile developments, condemnation cases and vehicular crashes.

Danforth Plant Science Center and Wexford

Creve Coeur, MO

Mr. Cannon led the initial traffic and parking studies for development of a consortium research facility for Danforth Foundation, Monsanto, Washington University, University of Missouri and others. The study addressed access to the facility which was to be built in multiple phases. Access for the first phase was accommodated from Warson Road, but additional access to state Route 340 (Olive Boulevard) was recommended for future build-out. Later expansion of the project created a separate parcel for private business incubator space. Shared access with the Danforth site was recommended for phase one, and a second access from Warson Road was recommended for the second and third building phases. City, County and State approvals were required for the access serving these sites.

Major Thoroughfare Plan Updates

O'Fallon, Illinois

Mr. Cannon led projects to plan the road system in the northwest (2004) and northeast (2009) future expansion areas of the City. The studies built upon the regional travel demand models using the City's current land use plans to identify key travel corridors necessary to accommodate maximum future build-out. The studies addressed a new interchange on I-64 being pursued by the County and accounted for IDOT's Gateway Connector Corridor. Design criteria were recommended for the new and improved routes based on their projected functionality and anticipated volume thresholds.

Monsanto World Headquarters, Various Projects

Creve Coeur, MO

Mr. Cannon has been involved in several projects completed for Monsanto's main campus, including a Master Planning Study and multiple individual building additions. In the planning study, he addressed external traffic impacts and recommended off-site improvements to accommodate large increases in campus population. He also forecasted on-site parking needs and recommended appropriate numbers and locations for new parking, and considered on-site traffic flow and safety of pedestrians to recommend changes for on-site roadway alignments.

Mike Dolde, PE, PTOE

Senior Traffic Engineer



Mr. Dolde has over 15 years of experience in the traffic engineering field and manages the only full time staff in the region dedicated purely to signal operations projects. His main areas of expertise include the design and implementation of new traffic signals and ITS devices, the optimization and implementation of new signal timing plans (utilizing Synchro, and Time-Space Platoon-Progression Diagram, TSPPD), the development of construction mitigation timing plans, the development of grant applications and contract documents. He has implemented new timing plans at over 1000 intersections and performed new signal cabinet turn-on's (including signal controller and ITS devices) at hundreds of intersections. He manages the CBB operations staff, which includes oversight of their day-to-day workload on projects related to the optimization of signal timings, field implementations of proposed timing, mitigation of construction traffic and traffic signal turn-ons. Mr. Dolde is proficient with several traffic software packages including Synchro, Time-Space Platoon-Progression Diagram (TSPPD. The following projects represent Mr. Dolde's experience as a signal operations and design engineer.

Education

B.S., Civil Engineering, University of Missouri – Rolla, 2002

Registration

Professional Engineer (PE) in Missouri and Illinois

Professional Traffic Operations Engineer (PTOE)

International Municipal Signal Association (IMSA) Signal Electrician Levels I/II/III

Professional Activities

International Municipal Signal Association (IMSA)

Traffic Engineering Association of Metropolitan St. Louis

Specialized Training

Synchro and SimTraffic Training Class, 2005

ACTRA – Advanced Traffic Management Systems Training, 2003-2009

Traffic Control Corporation, Video Detection Seminar, 2007

Iteris – Vantage Video Detection Training, 2014

Sensys – Wireless Detection Training, 2013

Traffic Control Corporation, Econolite Training, 2013

TransSuite ATMS Training 2013

Signal Coordination and Timing (SCAT) Program

Illinois Department of Transportation

Mr. Dolde has worked on projects for the Illinois SCAT Program for 8 years. Each yearly SCAT program involves the optimization of signal systems (typically 8–10 intersections). This project also consists of extensive before and after studies to measure reductions in fuel consumption and pollutant emissions. His involvement has included field engineering studies, timing plan development, and field implementations of proposed timing along with IDOT signal engineers. These projects have occurred in Districts Two-Nine. A sampling of the projects that Mr. Dolde has worked on include: Illinois Route 16 SCAT in Mattoon, Illinois, Illinois Route 13 in Marion, Illinois and Illinois Route 40 in Rock Falls, Illinois.

Missouri Route 364 Phase 3 Project

St. Chares County, MO

CBB was a member of the Page Constructors Team for this $72 Million design-build project that includes the construction of 9 miles of new 4-lane freeway from Mid Rivers Mall Drive in St. Peters to I-64 in Lake Saint Louis. With the culmination of this project, an interstate to interstate connection from I-270 in St. Louis County to I-64 in St. Charles county is complete. For this project CBB was the chief designer for all traffic signals and Intelligent Transportation Systems (ITS) on the project. Mr. Dolde was an instrumental member of this team, and oversaw the retiming and programming of traffic signals on all crossing arterials during construction as well as the final project configuration.

MoDOT Timing Improvement Projects

Missouri Department of Transportation – St. Louis

These projects consist of the development and implementation of new timing plans for heavily traveled corridors in MoDOT District 6. Following extensive data collection including manual intersection counts and mainline mechanical counts, new signal timing plans are developed using the Synchro 7 software package. The timing plans are summarized and submitted as a preliminary report for review by MoDOT personnel. The timing plans are implemented fine-tuned to provide improved progression and reduced delays on each corridor. Post travel delay studies are performed and compared to the before travel delay studies and are summarized in a final report.

St. Charles County Gateway Green Light (GGL)

St. Charles County, MO

This project, led by St. Charles County, incorporating MoDOT and seven local municipalities, involved CBB collecting a massive amount of traffic volume data (intersection turning movement counts and machine hose counts), performing an inventory of existing traffic signals, and optimization of 10 "priority" corridors in the region. CBB assisted in the feasibility study for identifying the needs for the regional management system to include field device upgrades (controllers, communications, ITS devices) and a central Advanced Traffic Management System. Mr. Dolde oversaw the optimization and implementation of new signal timing plans, and construction inspection.

Erika Fuesting

Project Manager – Signals, Lighting & ITS



Education

B.S., Electrical Engineering, Southern Illinois University - Edwardsville, 1995

Minors: Mathematics & Physics

Certification

ISO 9000

Professional Activities

International Municipal Signal Association (IMSA)

Transportation Engineering Association of Metropolitan St. Louis (TEAM StL)

Specialized Training

Traffic Control Corporation, Video Detection Seminar, 2007

Iteris – Vantage Video Detection Training, 2014

Sensys – Wireless Detection Training, 2013

IMSA - Workzone Temporary Traffic Control , 2016

IMSA – Roadway Lighting Level I , 2016

Mrs. Fuesting has over 22 years of experience in the electrical engineering field. Her primary focus is traffic signal design and the development of plans, specifications, and cost estimates for a wide range of traffic signal, ITS and lighting projects. She also serves as a liaison between developers, clients, and public agencies. In this role, she engages in project budgeting, project management, and project bidding services. Mrs. Fuesting has been involved in the development of signal/ITS/lighting plans and specifications for many midwest locations via permit, public agency funded, and locally sponsored/federally funded projects. Ms. Fuesting has been involved in the design of signal/lighting plans for many locations within the southwestern Illinois and the St. Louis metro area as well as other locations throughout Missouri and Illinois. A sample of Ms. Fuesting's experience follows.

CO Hwy 29/Hunt Club Road & Westbrook Lane

Gurnee, IL

CBB prepared a traffic impact study for expansion of services on the existing Sam's Club site. Per study recommendations and intersection geometric changes (by others), Mrs. Fuesting led efforts for the preparation of traffic signal plans, special provisions, and cost estimates under Lake County's jurisdiction. This included new signal equipment and pedestrian facilities, new vehicle detection and relocated emergency preemption equipment, as well as repositioned signal heads to align with the new lane configuration. As a result of widening to the north for development of a right turn lane, communication plans were necessary to depict the installation of new 24sm fiber along CO Hwy 29 and termination in the cabinet at Westbrook Lane. Modifications to the existing roadway lighting were also necessary to accommodate the improvements, which were reviewed and approved by the Village of Gurnee. Design standards followed included Lake County, IDOT Local Roads, and the Village of Gurnee.

Missouri Route 364 Phase 3 Design Build Project

St. Charles, MO

CBB was a member of the Page Constructors Team for this $72 Million design-build project that includes the construction of 9 miles of new 4-lane freeway. For this project CBB was the chief designer for all traffic signals and Intelligent Transportation Systems (ITS) on the project. Ms. Fuesting was the lead designer on the main design build project, which included four new and four modified traffic signals, as well as new and modified fiber interconnect throughout the project limits. Through CMAQ funds, MoDOT added ITS devices to the project via change order. Ms. Fuesting served as the lead designer for this ITS project, which included the installation of six Dynamic Message Sign (DMS) boards, five Closed-Circuit Television (CCTV) surveillance camera stations, and eight Remote Traffic Microwave Sensor (RTMS) detector units, as well as approximately 100,000 feet of fiber optic cable to connect these field devices to MoDOT's Transportation Management Center (TMC).

N. Greenmount Road & Central Park Drive

O'Fallon, IL

The City of O'Fallon secured federal funding (CMAQ) to improve traffic flow and operations at this high volume, congested intersection. CBB served as the prime consultant, responsible for the intersection design study (IDS) roadway signal, and lighting modification/design plans, special provisions and cost estimates. Our firm also assisted the City with reports, required federal project documentation, and other project related materials. Mrs. Fuesting's responsibilities included the traffic signal and lighting modifications to accommodate dual left turns on all approaches; reconfiguration of the signal heads to match new lane configuration; replacement of power supply and signal cabinet; new stop bar and advanced vehicle detection; and lighting modifications. Plans were based upon IDOT Local Roads design standards.

Brian Courtwright, PE, PTOE

Transportation Engineer



Mr. Courtwright has over 18 years of experience in the civil engineering field. He has served as design engineer on several roadway projects. His areas of expertise include roadway design, intersection layouts, construction cost estimate, working day studies, and plan preparation. Mr. Courtwright designs horizontal geometrics, profile grades, storm sewers and prepares construction plans and specifications for roadway projects ranging from local roads to interstate highways. In addition, he coordinates the client's needs, municipality specifications, utility relocation, survey requirements and design continuity with the proposed site plan, as well as provides engineering support during construction and finalizes as-built plans. Prior to CBB, Mr. Courtwright was employed by the Illinois Department of Transportation as a Design Engineer and Squad Leader. The following projects represent some of Mr. Courtwright's experience.

Education

M.S., Civil Engineering, Southern Illinois University, Edwardsville, 2002

B.S., Civil Engineering, Southern Illinois University - Edwardsville, 1999

Registration

Professional Engineer (PE) in Missouri and Illinois

Professional Traffic Operations Engineer (PTOE)

Professional Activities

Transportation Engineering Association of Metropolitan St. Louis (TEAM StL)

Institute of Transportation Engineers (ITE)

Specialized Training

Illinois Department of Transportation Standards

Missouri Department of Transportation Standards

Autodesk Civil 3D

Intersection Design and Channelization

Roundabout Design

Professional Advancement for Career Engineers, Illinois Department of Transportation, Bureau of Employee Services

Microstation and Geopak

AutoCAD/Civil 3D

North Green Mount Road over I-64

Shiloh, IL

Mr. Courtwright served as design engineer for the preliminary engineering and preparation of the roadway plans for the widening of North Green Mount Road to four lanes from North Green Mount Crossing Drive to Pierce Boulevard / Regency Park Drive. North Green Mount Road will be widened and the structure over I-64 restriped, as well as the existing right turn lane taper north of Regency extended to accommodate the proposed through lanes. The improvements also included widening, shoulder construction, grading, traffic island modifications, storm sewer design and sidewalk replacement. In addition to the roadway plans, Mr. Courtwright prepared the required IDS, Abbreviated Bridge Condition Report, Project Development Report and all required coordination.

Illinois Route 3 & Missouri Avenue

Granite City, IL

Mr. Courtwright served as design engineer for access improvements on State Route 3 for a new commercial development. The improvements included the construction of a left and right turn lane on State Route 3 into a proposed commercial development, as well as the reconstruction of the Missouri Avenue intersection. This project was coordinated with signal design engineers, the Illinois Department of Transportation District 8 permit section, Granite City engineers and site engineers.

Skinker Boulevard/McCausland Avenue, Clayton Road, Oakland Avenue Intersection Improvements, CMAQ 5401 (707)

City of St. Louis, MO

Mr. Courtwright was a project engineer on this project where CBB completed the design of three new traffic signals, including bicycle and pedestrian accessibility improvements, which enhanced the overall operation and safety at the 'front door to Forest Park'. The project has provided new traffic signals to replace the ageing system which previously controlled the multi-legged complex intersection. In addition to signals, the pedestrian enhancements include the addition of marked continental crosswalks, as well as signalized pedestrian crossings, bump outs at Tamm, lane removals and the extension of a dual use trail that connects Forest Park to a mile of new sidewalk and buffered bicycle lanes, extending to Hampton Avenue.

Lincoln Highway & Lexington/Aubuchon

Fairview Heights, IL

Mr. Courtwright served as design engineer for the realignment of Aubuchon Drive and reconstruction of the apron to Lexington Drive. This project was coordinated with signal design engineers, the Illinois Department of Transportation District 8 permit section and site engineers.

Jim Kane, EIT

Transportation Studies Specialist



Mr. Kane joined CBB in June 2014 after receiving his Bachelor of Science in Civil Engineering from Saint Louis University in May 2014. Jim is primarily involved in CBB's study efforts and has been involved with many projects since his arrival. Jim has helped to complete several traffic impact studies and parking studies for a variety of uses, including schools, hospitals, residences and commercial developments. In completing these projects, Jim has gained considerable experience with software such as Synchro, Sidra and Highway Capacity Software and has grown familiar with industry standards and guidelines produced by ITE, AASHTO, the Transportation Research Board and similar organizations.

Education

B.S., Civil Engineering, St. Louis University, 2014

Registration

Engineering Intern Certification (EIT)

Professional Activities

Transportation Engineering Association of Metropolitan St. Louis (TEAM StL)

Institute of Transportation Engineers (ITE)

Panda Express Traffic Impact Study

Green Park, MO

CBB completed a traffic impact study for the proposed development of a Panda Express restaurant in the northeast quadrant of Missouri State Route 67 (Lindbergh Boulevard) at East Concord Road. The study was requested by the Missouri Department of Transportation (MoDOT) to include analyses during the weekday midday peak hour and weekday p.m. peak hour at the signalized intersection of Lindbergh Boulevard with East Concord Road. Mr. Kane was involved with various task work for the traffic impact study, as well as responsible for reporting on the existing traffic conditions, trip generation, trip distribution and forecasted conditions. To successfully complete this project Mr. Kane used SYNCHRO 8 for traffic modeling.

Traffic Engineering Assistance Program (TEAP), Missouri Department of Transportation

State of Missouri

CBB has assisted numerous Cities and Counties with their traffic engineering needs as a qualified on-call consultant with the Missouri Department of Transportation (MoDOT) since the inception of the Traffic Engineering Assistance Program (TEAP). TEAP gives financial assistance to local public agencies (LPAs) for studying traffic safety or operational problems on local facilities. Project examples include intersection or corridor safety and/or operational analysis, speed limit review, inventories, pedestrian/bike route analysis, and other traffic studies. Mr. Kane has been involved with a variety of these projects, including a curve inventory for Jefferson County, MO.

St. Joseph Hospital West Parking Study, Phase 1

St. Louis, MO

CBB completed Phase 1, an Existing Parking Sufficiency Study for the master plan update at the St. Joseph Hospital West campus in Lake St. Louis, Missouri. The study identified the current parking supply and demand for the campus, as well as noted planning level parking issues for the development team so that parking needs can be appropriately addressed in the future. Specifically, the study calculated the number of parking spaced required by Ordinance from the City, verified the existing number of spaces currently marked on the campus, identified hourly and peak parking demands associated with current usage, and identified planning level parking issues and concerns. Mr. Kane was involved with identifying and reporting on the existing supply and demand of parking.

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

CRAWBUN-01 JRUEMKER

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 10/05/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
Charles L. Crane Agency Co. 100 N Broadway, Ste 900 Saint Louis, MO 63102	PHONE (A/C, No, Ext): (314) 241-8700	FAX (A/C, No): (314) 444-4970
	E-MAIL ADDRESS:	

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Travelers Indemnity Co of CT	25682
INSURER B : Charter Oak Fire Insurance Co.	25615
INSURER C : Travelers Indemnity Co.	25658
INSURER D : Phoenix Insurance	25623
INSURER E : XL Specialty Insurance Company	37885
INSURER F :	

INSURED

George L. Crawford & Associates, Inc. dba CBB
12400 Olive Blvd., Suite 430
Saint Louis, MO 63141

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE X OCCUR			6801H2920031647	12/31/2016	12/31/2017	DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 1,000,000
							MED EXP (Any one person)	$ 10,000
							PERSONAL & ADV INJURY	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 2,000,000
	POLICY X PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	OTHER:							$
B	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS			BA7D68724A16GRP	12/31/2016	12/31/2017	BODILY INJURY (Per accident)	$
	X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
C	X UMBRELLA LIAB X OCCUR						EACH OCCURRENCE	$ 3,000,000
	EXCESS LIAB CLAIMS-MADE			CUP6892Y5861647	12/31/2016	12/31/2017	AGGREGATE	$ 3,000,000
	DED X RETENTION $ 10,000							$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						X PER STATUTE / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N	N / A		XNUB7898Y40A17	12/31/2016	12/31/2017	E.L. EACH ACCIDENT	$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000
E	Professional			DPR9806261	06/15/2016	12/31/2017	Each Claim	5,000,000
E	Liability			DPR9806261	06/15/2016	12/31/2017	Annual Aggregate	5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

Village of Bensenville
12 S. Center Street
Bensenville, IL 60106

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Litigation

There are no lawsuits filed against CBB concerning services rendered from January 1, 2012, to the present.

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [X] Design Engineering
- [ ] Wastewater Improvements
- [ ] Stormwater Engineering
- [ ] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

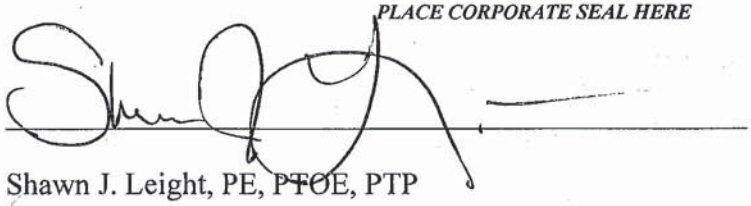
Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: 

Print Name .....: Shawn J. Leight, PE, PTOE, PTP

Position/Title.....: Vice President

Company Name ...: CBB

Address line 1 .....: 12400 Olive Boulevard, Suite 430

Address line 2 .....: St. Louis, Missouri 63141

Telephone.....: (314)878-6644

MoDOT

St. Louis District
Gregory J. Horn, District Engineer

Missouri Department of Transportation

1590 Woodlake Drive
Chesterfield, Missouri 63017-5712
314.275.1500
Fax: 573.522.6475
1.888.ASK MODOT (275.6636)

August 5, 2015

To Whom It May Concern,

The Route 364/Page Phase 3 project is a true example of partnering and transportation success. The project embodied the true spirit teamwork, with everyone working together for the greater good of the community.

The Route 364 journey started more than four decades ago with a vision of a new Missouri River crossing connecting St. Charles County and St. Louis County. The first two phases were built using the traditional design-bid-build process and took years to complete. The exponential increase in population and development in St. Charles County from 2000 to 2010 meant the third phase had to be completed in a shorter time frame.

MoDOT and St. Charles County officials saw the need for relief and worked together to secure the funding for an almost 50/50 cost share for the project. Officials quickly recognized that due to the need for accelerated construction and innovation, the best chance of success was to deliver the project using the design-build delivery model.

MoDOT, Page Constructors, St. Charles County and the five impacted municipalities continued to work together through procurement and construction. By fostering innovation and communication, the project team was able to overcome countless challenges to deliver a facility that will benefit the area for decades to come. Many challenges arose during the project, but all parties worked together to resolve issues effectively.

MoDOT and Page Constructors also partnered with the public to keep them informed about what was happening. Public outreach started before construction and continued throughout the project with a stakeholder list that at its most had more than 800 people. Stakeholders were updated with monthly newsletters, as well as emails about closures and traffic impacts. Bi-monthly meetings were held with various stakeholders and regular updates were sent out through social media.

Since the opening of Route 364/Page Phase 3, the number of land development permits within the five cities that the freeway connects has increased significantly. Everything from residential building to commercial and industrial development have expressed interest and started building along the corridor. With pockets of undeveloped land along the new roadway, future development projections indicate growth will be constant for years to come. By improving and building five interchanges along the project access throughout St. Charles County has greatly improved. Residents and businesses are able to easily access the new highway.

Sincerely,



David J. Simmons
Project Director – Design Build Coordinator

Missouri's Local Program
for community development

COMPANY REFERENCE FORM

Firm's Name: CBB Transportation Engineers & Planners
Local Agency Name: City of St. Louis, Board of Public Service
Local Agency Phone Number: 314-589-6623
Signature & Title of Rater: _____ Planning & Programming Manager
General Project Description: *Kiener Plaza Roadway Improvements*

In conjunction with the reconstruction of Kiener Plaza, CBB designed five (5) new traffic signals around the perimeter roadway system on Market, Broadway, Chestnut and 7th Street. As part of this work, curb relocation 'bump outs' were provided as well as pedestrian enhancements, back-in parking, a separated bicycle facility and bicycle signal on Chestnut, and repaving and marking of the perimeter roadway system. Extensive coordination with the Kiener Project was required.

Work Category:
X Roadway Design
X Trails & Sidewalks
_____ Construction Inspection
_____ Traffic Engineering & TEAP
_____ Structures

Timeliness:
_____ Below Average
_____ Average
_____ Above Average
X Excellent

Work Quality:
_____ Below Average
_____ Average
_____ Above Average
X Excellent

Overall Rating:
_____ Below Average
_____ Average
_____ Above Average
X Excellent

General Remarks/Comments:

CBB did an excellent job developing plans and specifications for the City of St. Louis and our project partner, Great Rivers Greenway District. The CBB team worked very closely with project stakeholders including City Arch River, Great Rivers Greenway, Downtown STL, and various City Departments to develop high quality road improvement plans that compliment the reconstruction of Kiener Plaza. This project provides substantial safety, functional, and aesthetic improvements for pedestrians, bicyclists, and motorists in our Downtown core.

Missouri's Local Program
for community development

COMPANY REFERENCE FORM

Firm's Name: CBB Transportation Engineers & Planners
Local Agency Name: City of St. Louis, Board of Public Service
Local Agency Phone Number: (314) 641-8379
Signature & Title of Rater: Eric R. Bothe, P.E., Design Division Project Manager

General Project Description: *Skinker Boulevard/McCausland Avenue, Clayton Road, Oakland Avenue Intersection Improvements*

Installation of three new traffic signals with pedestrian accommodations at the intersection of Skinker Blvd, McCausland, Oakland, Clayton Ave and Clayton Road as well as the construction of a trail connection to Forest Park, one mile of new sidewalk and remarking of Oakland Avenue to provide one mile of separated, buffered bicycle lanes and pedestrian enhancements as part of a CMAQ project.

Work Category:
X Roadway Design
X Trails & Sidewalks
_____ Construction Inspection
_____ Traffic Engineering & TEAP
_____ Structures

Timeliness:
_____ Below Average
_____ Average
X Above Average
_____ Excellent

Work Quality:
_____ Below Average
X Average
_____ Above Average
_____ Excellent

Overall Rating:
_____ Below Average
_____ Average
X Above Average
_____ Excellent

General Remarks/Comments:

CBB served as the prime design consultant for the City of St. Louis for the Skinker Blvd & Oakland Ave Street Improvement project. CBB produced a quality set of plans and specifications that was on time and on budget. In addition, CBB represented the City and project well during presentations to neighborhood groups and the adjacent Forest Park Advisory Board. Talented engineers, their quality design helped to make this project a success. I look forward to working with the team at CBB again.

COMPANY REFERENCE FORM

Firm's Name: CBB Transportation Engineers & Planners
Local Agency Name: City of O'Fallon, Illinois
Local Agency Phone Number: (618) 624-4500 Ext.3
Signature & Title of Rater: Jeff M. Taylor, PE, Director of Public Works

General Project Description: *North Green Mount Road and Central Park Drive Intersection Improvements*

CBB completed a traffic study at North Green Mount Road and Central Park Drive recommending capacity improvements, including widening for a southbound right-turn lane, eastbound right-turn lane and eastbound through lane as well as conversion of a northbound painted median for dual left-turning lanes and conversion of an existing eastbound through lane to a shared left-turn/through lane. The intersection was also enhanced with crosswalks, ADA curb ramps and additional connections to the existing sidewalk system as well as a complete signal replacement and relocation of the existing highway lighting. CBB prepared a Project Development Report, including an Intersection Design Study. Currently, CBB is completing the design of the construction documents, which include Roadway Plans, Traffic Signal Plans, Lighting Plans, Right-of-Way Plan, Traffic Control and Staging Plans, Storm Sewer Design, Intersection Details, Cost Estimate, Estimate of Time and Job Special Provisions.

Work Category:
X Roadway Design
_____ Trails & Sidewalks
_____ Construction Inspection
X Traffic Engineering & TEAP
_____ Structures

Timeliness:
_____ Below Average
_____ Average
_____ Above Average
X Excellent

Work Quality:
_____ Below Average
_____ Average
_____ Above Average
X Excellent

Overall Rating:
_____ Below Average
_____ Average
_____ Above Average
X Excellent

General Remarks/Comments:

Statement of Qualifications for

Civil Engineering Services

Submitted to:

BENSENVILLE
GATEWAY TO OPPORTUNITY

Village of Bensenville

717 E. Jefferson Street
Bensenville, Illinois 60106



This proposal was produced with paper having 40% recycled content.

2017 HOT FIRM ZWEIG GROUP

Chastain & Associates LLC
120 W. Center Court | Schaumburg, IL 60195
P: 773.714.0050 | F: 773.714.0055 | www.chastainengineers.com
Dated: October 19, 2017

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
SERVICE | SOLUTIONS | COMMITMENT ™

CHASTAIN
& ASSOCIATES LLC
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October 19, 2017

Mr. Joseph M. Caracci, P.E.
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, IL 60106

RE: Request for Qualifications – Establishment of Short-Lists for Civil Engineering Services

Dear Mr. Caracci,

Chastain & Associates LLC appreciates the opportunity to submit our Qualifications to provide Design, Stormwater and Resident Engineering Services for consideration in developing the Village's Short-List of Engineers for the next three years. For over 60-years, Chastain has been providing professional engineering services to municipalities, counties, various state agencies, and private clients throughout Illinois.

Chastain's service approach is to develop detail oriented, collaborative and cost effective long-lasting solutions to address the needs of our clients. Under these principles, we have built long-lasting relationships with several clients throughout the northeastern Illinois region. Chastain is able to offer our clients the full range of professional engineering services in all facets of infrastructure management for a municipality. Chastain has the professional staff, IDOT prequalification and experience to provide the Village of Bensenville all of the services referenced in the "Request Prequalification Categories" with the one exception of Wastewater Improvements. To better support our municipal clients, Chastain has recently hired Scott Kasper and Joe Evers. They both were Village Engineers at the Village of Schaumburg and the City of Elgin, respectively, and have more than 30-years of experience separately.

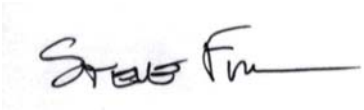
A unique approach we take to our work is to have a core team work on all aspects of project assignments from survey, planning, design thru construction administration for project continuity and knowledge. In addition to the traditional engineering efforts, the core team also participates in outside funding identification and application. Chastain has had success in securing HSIP funds for transportation safety projects, completing ITEP grant applications for roadway and pedestrian improvements, administering MFT funding allocations for clients, securing Safe Routes to School funding, and completing projects utilizing EDP, CDBG and IEPA funding sources.

Included please find a brief Statement of Qualifications narrative, IDOT SEFC prequalification, summary of municipal services, representative work history with contacts and proposed key staff, for consideration.

120 W. Center Court | Schaumburg, IL 60195
P: 773.714.0050 | F: 773.714.0055 | www.chastainengineers.com

Chastain looks forward to the opportunity to meet with yourself and staff from the Village to introduce our proposed team members and discuss our qualifications in providing responsive, professional and collaborative services to assist the Village in providing the engineering services needed. If additional information is needed or you would like to schedule a follow-up meeting please contact me at sfrerichs@chastainengineers.com or call me at (773) 714-0051 ext. 2225. Thank you for your time and consideration. We look forward to meeting with you to discuss this opportunity in greater detail.

Sincerely,



Steve Frerichs
Senior Project Manager

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
SERVICE | SOLUTIONS | COMMITMENT ™

WHAT'S INSIDE

Statement of Qualifications for Civil Engineering Services

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Project Experience Table 17

Staffing Table 23

SOQ Form 27

Chastain & Associates LLC (Chastain) is a multi-disciplined civil engineering firm offering municipal engineering services in northeastern Illinois. Chastain is requesting short-list consideration in the categories ranked in the attached Statement of Qualifications Form which reflect the rankings best fitting our project experience. The following information summarizes that project experience and our staffing proposed in support of our request. We understand the Village is looking to establish a team of consultants in several service areas to supplement staff capacity, expertise and responsiveness to a wide range of services as the Village identifies needs.

Our Schaumburg office currently provides survey, planning, design, and construction administration services for several communities in the northeastern Illinois region. Project assignments have included construction observation for projects ranging from $500,000 storm sewer improvements to a $5,200,000 multi-jurisdictional roadway improvement project. Design projects that have included intersection channelization for safety improvements, LAFO pavement preservation projects, and planning and design of 5,000-foot watermain improvements with trenchless installation methods. Stormwater projects that have included culvert and bridge replacements, design of 54" trunk line storm sewer replacements to alleviate frequent flooding and small watershed hydrologic and hydraulic analysis for flood mitigation projects.

Chastain is committed to providing the engineering services with experienced staff, a nearby office and a responsive approach to requests for services by the Village. Chastain currently has two former City/Village Engineers on staff, each with over 30-years of experience that will provide the Village of Bensenville the relevant leadership and understanding of community issues to proactively lead and communicate project planning, design and construction efforts. Our proposed Project Managers understand the unique demands and approach to projects for a municipality and are familiar with the many challenges faced by staff as they deal with internal and external CIP and maintenance requests that require engineering leadership.

In addition to staff and project experience, Chastain and our Project Managers maintain working and professional relationships with several of the regional regulatory and jurisdictional agencies. These relationships provide Chastain access to decision makers and resources that help us with timely delivery and effective project coordination for the benefit of our clients. We currently are working for or have professional relationships with IDOT, ISTHA, DuPage and Cook Counties, CMAP, IDNR, and IEPA. Through these relationships, we have been successful in securing and implementing projects using STP, CMAQ, ITEP, CDBG, Safe Routes to School, HSIP, EDP, and MFT funds. In addition to several of the traditional transportation and municipal infrastructure projects, Chastain has provided pavement management services including



condition assessment and annual pavement maintenance programing, GIS mapping and data analysis, and FEMA Floodplain and Floodway map amendments.

Chastain's approach to performing / providing our services is to provide a core team of engineers that work thorough the full scope of any service. Our core team of professionals for planning, design and construction observation services include team members that follow through all stages of a project to insure project and communication continuity from project start to completion. Our focus is to clearly understand the expected outcomes on each request for service. Some requests need immediate attention and information, while other requests may require regular coordination and scheduled deliverables over several months. Also, the consultant team needs to determine their relationships with key village staff on each request for services. Some requests may require the consultant to interact with several village staff independently, while other requests for services involve interaction with a single village staff person. These relationships are often critical to the success of a project due to the ability of the consultant team to interact with key village staff while not burdening other village staff who may not have time to respond to the needs of the project.

A generalized project approach / outline likely to be implemented by Chastain would be as follows:

- Determine project drivers and desired outcomes including initial scoping, budgets and schedules. This effort begins at project initiation. Details are tailored to the specific project type, and efforts are adjusted throughout the project phases as project unknowns at the start become known through project progress. Key aspects in this effort are communication of project status, progress and changing conditions.
- Project data collection is the initiation of project efforts. Collection of data from archive resources, operations staff, field survey, adjacent and jurisdictional agency coordination, prior project phases, and community planning resources. Outreach to private and other public utility agencies are initiated and documented as part of the data collection efforts.
- Early identification of project constraints, resource limitations and regulatory impacts allows for greatest success with least risk. Early identification and management of project challenges allow for proper planning, budgeting and scheduling.
- Establish engaged project members, stakeholders, regulatory agencies, and develop project communications plan to effectively coordinate project information. Efforts are anticipated to generally include regular communications with engineering staff, possible presentation and interaction with elected officials and public outreach based on project



sensitivity to the community. Current communications methods implemented by Chastain on various projects include schedule progress and milestone meetings, weekly e-mail updates, project and village website updates, door hangers, and public outreach meetings.

- Jurisdictional and regulatory agency coordination is anticipated with agencies that Chastain has long established working relationships:

IDOT	METRA	DuPage County	MWRDGC
ISTHA	Cook County	IDNR	USACE

- Preparation of planning documents, PS&E documents or providing construction administration services is the culmination of early data collection, project coordination and risk management efforts. Approach taken for each project is a function of funding source and jurisdictional agency.

  - Projects funded with local dollars within Bensenville jurisdiction will be prepared following the preferences of the Village. Planning and design efforts typically will follow a more cost-effective preparation and construction administration of locally funded projects will follow the Village preferences for documentation and observation procedures.
  - Projects funded with IDOT or County oversight will be completed under the requirements of the Bureau of Local Roads or IDOT BDE Manual, and projects with County oversight will be prepared with County coordination.
  - For construction administration projects Chastain has developed a project documentation and quantity documentation process for locally funded projects and has completed several projects following IDOT's documentation procedures.

- Early and proactive coordination with jurisdictional agencies, regulatory agencies and private utility companies will facilitate improved project outcomes. Chastain has developed a project coordination matrix were current contacts, contact status and project resolution is tracked and reported.

With each project, our approach is customized to achieve the greatest success. With the municipal experience of our Project Managers, working relationships of Chastain and the broad services that can be provided. Chastain provides the Village an experienced partner.



CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.



ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 04/11/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER 1-800-527-9049 Holmes Murphy and Associates - Peoria 311 S.W. Water Street Suite 211 Peoria, IL 61602-4108	CONTACT NAME: Linda Bomarito PHONE (A/C, No, Ext): 309-282-3903 FAX (A/C, No): 866-501-3945 E-MAIL ADDRESS: lbomarito@holmesmurphy.com
INSURED Chastain & Associates LLC 5 N. Country Club Rd. Decatur, IL 62521	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A : XL SPECIALTY INS CO — 37885 INSURER B : INSURER C : INSURER D : INSURER E : INSURER F :

COVERAGES **CERTIFICATE NUMBER:** 49587291 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ CLAIMS-MADE ☐ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	☐ POLICY ☐ PRO-JECT ☐ LOC						PRODUCTS - COMP/OP AGG	$
	OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ☐ NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	DED ☐ RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						☐ PER STATUTE ☐ OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ N / A (Mandatory in NH)						E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	Professional Liability			DPR9913082	04/13/17	04/13/18	Each claim	2,000,000
	(Claims Made)						Aggregate	2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER	CANCELLATION
For Proposal Purposes	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE

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ACORD 25 (2014/01)
lbomaritoil
49587291

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CHAS&AS-01 HSCHOREY

ACORD

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 12/27/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER J.L. Hubbard Insurance and Bonds 1090 South Route 51 Forsyth, IL 62535	CONTACT NAME: Holli Schorey PHONE (A/C, No, Ext): (217) 877-3344 3244 FAX (A/C, No): (217) 877-0795 E-MAIL ADDRESS: hschorey@jlhubbard.com
	INSURER(S) AFFORDING COVERAGE — NAIC #
INSURED Chastain & Associates LLC 5 N Country Club Rd Decatur, IL 62521	INSURER A : The Cincinnati Insurance Company INSURER B : Accident Fund Insurance Co. — 10166 INSURER C : INSURER D : INSURER E : INSURER F :

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC OTHER:			EPP0291693	01/01/2017	01/01/2018	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 100,000 $ 10,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
A	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY — SCHEDULED AUTOS X HIRED AUTOS ONLY — X NON-OWNED AUTOS ONLY			EBA0291693	01/01/2017	01/01/2018	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
A	X UMBRELLA LIAB — X OCCUR EXCESS LIAB — CLAIMS-MADE DED X RETENTION $ 0			EPP0291693	01/01/2017	01/01/2018	EACH OCCURRENCE AGGREGATE	$ 6,000,000 $ 6,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N N — N/A If yes, describe under DESCRIPTION OF OPERATIONS below			WCV6107018	01/01/2017	01/01/2018	X PER STATUTE — OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000
A	Rented Equipment			EPP0291693	01/01/2017	01/01/2018	Limit	25,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER	CANCELLATION
Proposal Purposes	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE

ACORD 25 (2016/03)

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Litigation

1.	Case Name	**Dr. David Fletcher vs. Cochran Engineering, n/k/a Chastain & Associates LLC**
	Case #	Not available at this time.
	Court	Not available at this time.
	Basis	Alleging breach of oral contract for producing a materially inaccurate and defective plat of survey; negligence in developing the plat and survey; breach of fiduciary duty for failing to disclose negotiations of Chastain Engineer's purchase of Cochran Engineering; fraud also related to the Chastain purchase of Cochran Engineering; civil conspiracy between Chastain and Cochran Engineering at the expense of Dr. Fletcher; and spoliation for failure to preserve and disclose documents.
	Outcome	The matter is ongoing.



SEFC PREQUALIFICATIONS FOR Chastain & Associates LLC

CATEGORY	STATUS
Location Design Studies - Rehabilitation	X
Structures - Highway: Simple	X
Special Services - Construction Inspection	X
Hydraulic Reports - Waterways: Typical	X
Highways - Freeways	X
Structures - Highway: Typical	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Location Design Studies - New Construction/Major Reconstruction	X
Special Services - Surveying	X
Special Studies - Traffic Signals	X
Special Studies - Location Drainage	X
Special Studies - Traffic Studies	X
Highways - Roads and Streets	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST



Transportation Engineering

- Expressways, Interstates, Tollways & Highways
- Safety and Feasibility Studies
- Location Design Studies
- Traffic Studies
- Intersection Design Studies
- Location Drainage Studies

Municipal Engineering

- Arterials, Local Roads, Streets, Alleys, & Multi-Use Paths
- Storm Water Management
- Pavement Management & Design Services
- Floodplain / Drainage Analysis & Design
- Detention / Retention
- GIS Databases & Mapping Services
- Traffic Signals
- Pedestrian Traffic Flow
- Parking Lots, Sidewalks, Ramps, & ADA Accessibility
- Regulatory & Permit Compliance
- Grant Writing
- Master Planning
- Water Resources: Drinking Water, Distribution Systems & Treatment Plants
- Wastewater: Treatment Plants, Collection Systems & Pump Stations

Structural Engineering

- Bridges and Culverts
- Structural Analysis, Evaluation & Design
- Structural Rehabilitation
- Footings & Foundations Design
- Falsework and Shoring
- Retaining Walls / Landscape Walls

Railroad Engineering

- Rail Sidings
- Industrial Rail Yards
- Crossing Safety

Construction Engineering

- Construction Management / Owner Representation
- Observation / Inspection
- Documentation of Materials and Quantities
- Record Keeping / Specification Compliance
- Construction Layout & Staking
- Construction Issue Resolution
- Review of Contractor Pay Requests
- Constructability Reviews

Surveys

- Boundary
- 3D Laser Scanning
- Hydrographic Surveys
- ALTA/ACSM Land Title Surveys
- Right-of-Way
- Record Drawings
- Topographic Mapping
- Horizontal & Vertical Controls
- Legal Descriptions
- Deed Interpretation and Boundary Dispute Resolution
- Forensic Surveys
- Commercial Subdivisions
- Municipal Annexations
- Aerial Survey Control / Ground Control for Aerial Mapping

Land Development

- Site Analysis & Planning
- Zoning Petitions and Submittals
- Public Outreach
- Residential Subdivisions
- Commercial Subdivisions
- Grant Writing
- Site Level Drainage Design
- Preliminary Plats
- Final Plats



Project / Client	Internationale Parkway / Village of Woodridge
Scope of Work / Client POC	Resurfacing improvements milling approx. 34,300 sq. yds. of the existing asphalt surface and replacing it with .75" of polymerized leveling binder and 2" of HMA surface course. Replacement of curb & sidewalk, storm sewer structure adjustments, patching, pavement markings, traffic signal detector loop installation, and traffic control. Phases II and III Funding: STP, HPP, MFT Christopher Bethel, Director of Public Works 630-719-4753
Project Team	Steve Frerichs – Project Manager, Michael Hartwig, P.E. – Project Engineer
Construction Cost / Fee / Year	Estimated $1,047,000 / $62,931 / 2018

Project / Client	Berkley Lane Storm Sewer / Village of Hoffman Estates
Scope of Work / Client POC	Replacement of approx. 900' of 54-inch storm sewer with a new 54" storm sewer in the same location as the existing. Phases II and III Funding: Local Stormwater Utility Alan Wenderski, Village Engineer 847-252-5800
Project Team	Steve Frerichs – Project Manager, Michael Hartwig, P.E. – Project/Resident Engineer, David Romero – Surveyor/Inspector
Construction Cost / Fee / Year	Estimated $624,899 / $53,258 / 2017

Project / Client	Wise Road Reconstruction / Village of Schaumburg
Scope of Work / Client POC	Rehabilitation of 2.5 miles of roadway consisting of patching and overlay of the existing 4-lane pavement and milling and overlay of the existing mountable median, as well as, ADA improvements, patching, pavement markings, new curb and gutter. Phase II and III Funding: Cook County and Village Funds Margo Killian, Civil Engineer 847-923-6612
Project Team	Steve Frerichs – Project Manager, Michael Hartwig, P.E. – Project Engineer, Resident Engineer – James O'Connor
Construction Cost / Fee / Year	Estimated $7,508,224 / $980,000 / 2017



Project / Client	2017 Street and Utility Improvement / City of Des Plaines
Scope of Work / Client POC	Street reconstruction and utility improvements to four streets within the city consisting of new storm sewers, sanitary repairs, water mains, PCC curb and gutter, sidewalk replacement, and bituminous pavement construction. Phase III Funding: Local funds Tim Oakley, Director of Public Works 847-391-5390
Project Team	Daniel Jedrzejak – Project Manager, Usman Bhatti – Inspector
Construction Cost / Fee / Year	Estimated $3,658,889 / $78,972 / 2017

Project / Client	Park Site Storm Sewer Inspection / Village of Schaumburg
Scope of Work / Client POC	Replacing the existing storm sewers with new 18” and 24” plastic pipe through residential areas adjacent to the village parks. Phase III Funding: Local funds Michael Litwin, Sr. Civil Engineer 847-923-6600
Project Team	Steve Frerichs – Project Manager, Michael Hartwig, P.E. – Resident Engineer
Construction Cost / Fee / Year	Construction $96,015 / $9,980 / 2016

Project / Client	Midlothian Road Multi-Use Path / Village of Mundelein
Scope of Work / Client POC	Planning and design of a new one mile paved multi-use path along the roadway including stormwater drainage improvements Phase II Funding: CMAP TAP Adam Boeche, Director of Public Works 847-949-3270
Project Team	Steve Frerichs – Project Manager, Michael Hartwig, P.E. – Project Engineer, Dale Wozniarski – CAD Tech.
Construction Cost / Fee / Year	Estimated $700,000 / $26,7158 / 2016



Project / Client	Boyer and County Line Rehabilitation / Village of Algonquin
Scope of Work / Client POC	Rehabilitation of roadway consisting of full-depth recycling of the existing pavement structure along with minor geometric and channelization improvements, as well as, spot removal and replacement of sidewalks and the multi-use path along with installation of new crosswalks where necessary. Phase II Funding: Local funds Christopher Shawn Hurtig, Project Manager 847-658-2754
Project Team	Steve Frerichs – Project Manager, Janice Pang, P.E. – Project Engineer, David Romero – Surveyor/Engineer
Construction Cost / Fee / Year	Estimated $250,000 / $55,805 / 2016

Project / Client	Pavement Management and Long-Range Planning / Village of Schaumburg
Scope of Work / Client POC	Planning services to determine the current condition of the village's entire roadway system through a comprehensive pavement evaluation study. We will develop a specific rehabilitation strategy to address approximately 34 miles of roadway constructed with a pozzolanic base course, evaluate current rehabilitation strategies including an analysis of the performance of the current strategies implemented over the past ten years, research additional rehabilitation and pavement preservation strategies, develop a plan for the implementation of the recommended strategies, and develop a comprehensive five-year roadway improvement plan. Phase I Funding: Local funds Brad Hurban, Sr. Engineering Inspector 847-923-6650
Project Team	Steve Frerichs – Project Manager, Megan Kane - Engineer
Construction Cost / Fee / Year	Construction Cost N/A / $236,480 / 2016



Project / Client	I-390 Frontage Road Improvement / Village of Schaumburg
Scope of Work / Client POC	Resurfacing the existing pavements. Milling 5-inches of traditional HMA surface and binder mix and resurfacing the existing pavement with a 5-inch overlay of leveling binder and SMA mix to improve structural pavement values. Work also included modifying six existing traffic signals to accommodate LED fixtures and new controller components, and design of existing street lighting conversions to LED fixtures on separated systems for Village ownership. Phase II and III Funding: Local funds Brad Hurban, Sr. Engineering Inspector 847-923-6650
Project Team	Steve Frerichs – Project Manager, Megan Kane – Engineer/Inspector, Ray Rasner – Resident Engineer
Construction Cost / Fee / Year	Estimated $2,297,977 / $248,385 / 2016

Project / Client	Grand Canyon Culvert / Village of Hoffman Estates
Scope of Work / Client POC	Replacement of an existing 54" storm sewer/culvert with a new 54" crossroad culvert approximately 250’ in length. For the planning and design phases work included topographic survey, capacity assessment of the 54" storm sewer/culvert, development of replacement alternatives, preparation of design plans and construction documents, and permitting coordination with MWRD, USACE and other regulatory agencies. Construction phase services included construction observation, layout verification, construction documentation and project closeout for the proposed culvert. Phase II and III Funding: Local funds Alan Wenderski, Village Engineer 847-252-5800
Project Team	Steve Frerichs – Project Manager, Dale Wozniarski – CAD Tech/Inspector
Construction Cost / Fee / Year	$259,470 / $40,217 / 2016



Project / Client	Water Main Improvements / Village of Schaumburg
Scope of Work / Client POC	Replacement of 4,400' of 6" water main with new 8" ductile iron pipe. Planning efforts included construction sequencing of 8 connections to the existing water system consisting of both pressure and cut-in connections. Evaluation and recommendation of the applicability of using trenchless technology. Phase II and III Funding: Local funds David Lawry, Director of Public Works 847-923-6612
Project Team	Steve Frerichs – Project Manager, Megan Kane – Engineer, Michael Hartwig, P.E. – Project Engineer
Construction Cost / Fee / Year	Estimated $600,000 / $115,090 / 2015

Project / Client	Easy Street Reconstruction / City of Elgin
Scope of Work / Client POC	Infrastructure and pavement rehabilitation/reconstruction of the Easy Street neighborhood including new curb and gutters and approx. 3 miles of new sidewalks including ADA ramp assessment at 11 intersections. Four miles of sewer rehabilitation ranging in size from 8" to 48" and designed replacement of approx. 1.5 miles of 8", 10" and 12" water mains using trenchless and traditional open-cut installation methods. Phase II and III Funding: Local funds Jay Beverly, Engineering Inspector 847-931-5958
Project Team	Steve Frerichs – Project Manager, Michael Hartwig, P.E. – Project/Resident Engineer, Megan Kane – Engineer, Matt Pocius - Inspector
Construction Cost / Fee / Year	Estimated $4,193,812 / $274,373 / 2016



Project / Client	Palatine Road Reconstruction / Village of Hoffman Estates
Scope of Work / Client POC	Reconstruction project to widen, provide channelization, and traffic signal improvements to the roadway. Phase III Funding: STP Funds Alan Wenderski, Village Engineer 847-252-5800
Project Team	Daniel Jedrzejak – Project Manager, Michael Hartwig, P.E. – Inspector
Construction Cost / Fee / Year	Estimated $4,193,812 / $274,373 / 2016

Project / Client	2014 Pavement Maintenance South / DuPage County DOT
Scope of Work / Client POC	Bituminous resurfacing, sidewalk and ADA ramp improvements, curb and gutter, drainage structure adjustments, and partial depth patching for 10 locations of county routes. Phase III Funding: Local funds Chris Snyder, Director of Transportation 630-407-6900
Project Team	Daniel Jedrzejak – Project Manager, James O'Connor – Resident Engineer, Michael Hartwig, P.E. – Inspector
Construction Cost / Fee / Year	Construction $2,334,809 / $170,651 / 2015



Name, Registration / Title	Years of Exp. / @ Firm	IDOT / Municipal Project Experience
Steve Frerichs / Client Liaison	35 / 9	Villages of Schaumburg, Hoffman Estates, Elgin, Woodridge, Mundelein, Algonquin, preliminary engineering, street improvements, pavement management, patching, storm sewer/drainage design, water mains, ADA design, IDOT-BLR and agency coordination, permitting, multi-use paths, hydraulic engineering, geometric and channelization design, construction management. Project Manager overseeing in-house staff and subconsultant coordination. STP, HPP, MFT, EDP, ITEP, CMAP TAP grant experience.
Scott Kasper, P.E. / Project Manager – Design	33 / 3 mos.	33 years with the Village of Schaumburg as Engineering Division Manager responsible for the design and construction coordination of the village's CIP with an average value of $30M. Skilled in infrastructure management, capital planning, storm water management, site development, and securing federal funding for capital projects. He has an detailed background in infrastructure design, Asset Management, budgeting, scheduling, contract implementation, construction, and quality control.
Joe Evers, P.E. / Project Manager - Construction	32 / 1 mo.	32 years of extensive experience in all aspects of municipal engineering with 24 years as City Engineer for the City of Elgin. His career also includes service with the Village of Carol Stream and IDOT, District 1. Skilled in infrastructure management, capital planning, storm water management, site development, and securing outside funding for capital projects. He has a detailed background in infrastructure design, asset management, budgeting, scheduling, contract implementation, construction, and quality control.
Janice Pang, P.E. / Project Engineer	14 / 1.5	Village of Schaumburg and Algonquin, street design improvements, preliminary engineering, traffic analysis, drainage assessment, bid documents. Several IDOT D1 Phase II widening and resurfacing projects, as well as, Phase I projects for intersections and roadways.



Name, Registration / Title	Years of Exp. / @ Firm	IDOT / Municipal Project Experience
Michael Hartwig, P.E. / Project/Resident Engineer	7 / 6	Registered Construction Manager in Training, IDOT ICORS trained and holds a current IDOT Doc. of Contract Quantities Certificate. Experience with heavy highway construction projects with IDOT and the Illinois Tollway. Project Engineer for the Village of Schaumburg water main improvement project, MWRDGC Palos Heights stormwater management project assisting in the design of mitigation alternatives, creation of exhibits and prep of cost estimates. Resident Engineer for the City of Elgin on two neighborhood street rehabilitation projects, City of Rockford for the resurfacing of Spring Brook Rd., and Village of Hoffman Estates Palatine Road Widening providing final documentation and IDOT coordination for project close-out.
James O'Connor, E.I. / Resident Engineer	17 / 3	Extensive experience with small to large scale transportation projects, predominantly in the areas of roadways, highways, bridges and railway construction. Was instrumental in the success of CDOT's Oak Park Avenue Improvement project as Resident Engineer; providing extensive research to avoid archaeological discoveries and gather information necessary to re-design the relocate the proposed roadway items that were in conflict to a forgotten cemetery. Served as Resident Engineer for the Cook County Highway Department for six years.
Megan Kane / Engineer	2 / 2	Village of Schaumburg and Algonquin, City of Elgin, IDOT D1 providing design engineering and construction observation services. Tasked with CAD plan and profile sheets for sanitary and water main, stormwater, and roadway and sidewalk design, and responsible for construction inspection on various roadway improvement projects.



Name, Registration / Title	Years of Exp. / @ Firm	IDOT / Municipal Project Experience
Randy Trei, P.L.S. / Chief of Survey	44 / 1	Oversees daily surveying activities for both public and private sectors ranging from meeting with clients to product delivery. Responsible for quality and product accuracy of boundary and topographic surveys, plats, stakeout maps, record drawing surveys, and quantitative documentation.
David Romero, E.I. / Surveyor	2 / 2	Village of Hoffman Estates, set benchmarks and ran level loops for 16 residential streets, surveyed topography of streets within right-of-way limits, inspected and documented conditions of all utility structures within project scope, and uploaded, processed and prepared topographic and structure inspection data for delivery to client. Illinois Tollway, surveyed the final construction of the M-1 facility for the preparation of the as-built plans, and made final corrections to the as-built plans including adding surveyed as-built data, RFI's and AI's.



STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [3] Design Engineering
- [ ] Wastewater Improvements
- [2] Stormwater Engineering
- [1] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

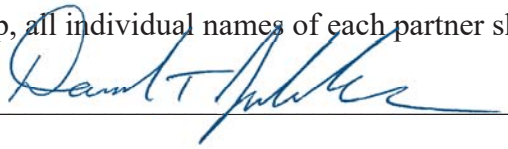
For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: 

Print Name .....: Daniel Jedrzejak

Position/Title.....: Principal

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: Chastain & Associates LLC

Address line 1 .....: 120 W. Center Court

Address line 2 .....: Schaumburg, IL 60195

Telephone.....: 773-714-0050

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

Chastain & Associates LLC
Principal Resolution Authorizing Signatories to Contracts
April 7, 2017

WHEREAS, the firm of Chastain & Associates LLC is an Illinois Registered Limited Liability Corporation, and

WHEREAS, the firm is owned and operated by three general principals, who are the following, along with their percent of equity ownership:

1. Kevin E. Myers, Managing Principal, Clinton, Illinois, 40.00% share of equity
2. Daniel T. Jedrzejak, Principal, Hoffman Estates, Illinois, 40.00% share of equity
3. Curtis D. Cook, Principal, Oregon, Illinois, 20.00% share of equity

WHEREAS, the firm desires to authorize the Principal who works in the Chicago Division Office to execute contracts on behalf of Chastain & Associates LLC, which contracts are binding on the firm, it's successors, and assigns

BE IT THEREFOR RESOVLED, that the following principal is hereby authorized by all the principals to sign contracts on behalf of the Managing Principal and all other principals in Chastain & Associates LLC:

1) _____
Daniel T. Jedrzejak, P.E., Principal, and Chicago Division Office Manager

Signed and authorized by all principals this 1st day of May, 2016

_____
Kevin E. Myers, Managing Principal

_____
Daniel T. Jedrzejak, Principal

_____
Curtis D. Cook, Principal

OCTOBER 19, 2017

BENSENVILLE
GATEWAY TO OPPORTUNITY



DESIGN ENGINEERING

SUBMITTED TO:
JOSEPH M. CARACCI, PE
DIRECTOR OF PUBLIC WORKS
VILLAGE OF BENSENVILLE
717 E. JEFFERSON STREET
BENSENVILLE, IL 60106

SUBMITTED BY:
MICHAEL KERR, PE
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 WEST HIGGINS ROAD | SUITE 600
ROSEMONT, IL 60018
mkerr@cbbel.com



CHRISTOPHER B. BURKE ENGINEERING, LTD.

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX (847) 823-0520

October 19, 2017

Village of Bensenville
717 E. Jefferson Street
Bensenville, IL 60106

Attention: Mr. Joseph M. Caracci, PE, Director of Public Works

Subject: Statement of Qualifications for Civil Engineering Services
Design Engineering

Dear Mr. Caracci:

Christopher B. Burke Engineering, Ltd. (CBBEL) is pleased to submit one original, four copies and one electronic copy of our statement of qualifications. The material presented is in compliance with the guidelines indicated in your request. The Statement of Qualifications and Consultant Evaluation forms are also included in our submittal.

The contact person for this proposal is Mr. Michael Kerr, PE, Executive Vice President in our Rosemont office. Mike can be reached at (847) 823-0500 to answer any of your questions.

We trust the information presented demonstrates our ability to provide the necessary engineering services for this category. CBBEL appreciates the opportunity to be considered for this work and we look forward to continuing our working relationship with the Village of Bensenville.

Sincerely,

Christopher B. Burke, PhD, PE, D.WRE, Dist.M.ASCE
President

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IDOT SEFC

TAB 2 PROJECT EXPERIENCE

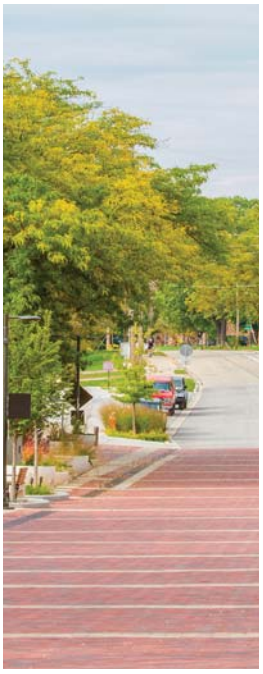
TAB 3 STAFFING
ORGANIZATIONAL CHART

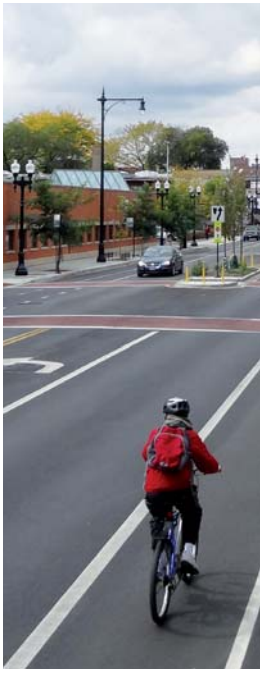
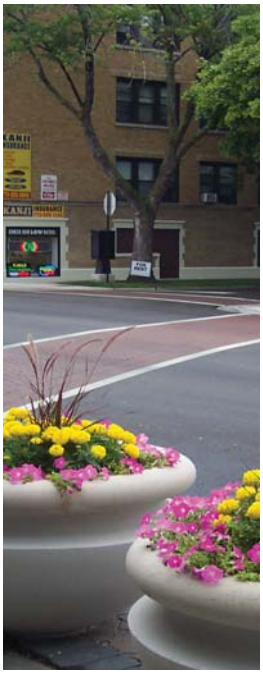
TAB 4 VILLAGE REQUIRED FORMS
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TAB 1
INTRODUCTION

FIRM EXPERIENCE

FIRM HEADQUARTERS

Christopher B. Burke Engineering, Ltd. (CBBEL)
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
T: 847.823.0500 | F: 847.823.0520
cbbel.com

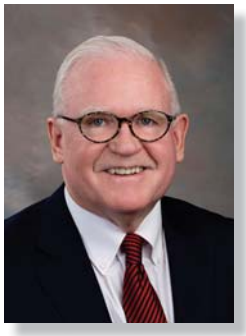
Christopher B. Burke Engineering, Ltd. (CBBEL) is unique among consulting engineering and surveying firms in that we are a full-service company that can comprehensively meet the needs of both private and public sector clients. Guided by founder and President Christopher B. Burke, our "family business" corporate philosophy allows for a level of personal service that ensures peace of mind. Our Illinois based staff of 207 and expansive list of specializations—civil, municipal, transportation, water resource, mechanical, structural, construction, traffic, and environmental engineering and environmental resource services—provide professionalism and a depth of expertise that promote project success.

86 LICENSED PROFESSIONALS

TOTAL STAFF **207**

31 YEARS IN BUSINESS

13 DIVERSE DEPARTMENTS (LOCAL STAFF):	
REVIEW AND INSPECTIONS	6
CIVIL ENGINEERING DESIGN	29
SURVEYING (4 CREWS)	12
ENVIRONMENTAL RESOURCES	17
CONSTRUCTION ENGINEERING	36
DESIGN/BUILD	9
WATER RESOURCES ENGINEERING	23
TRAFFIC OPERATIONS	9
MECHANICAL/ELECTRICAL ENGINEERING	10
PHASE I ENGINEERING	8
DRAINAGE	8
STRUCTURAL ENGINEERING	7
LANDSCAPE ARCHITECT	1

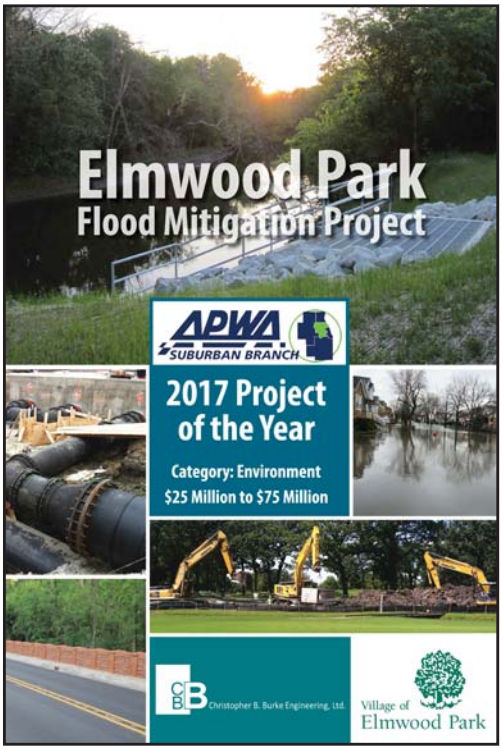


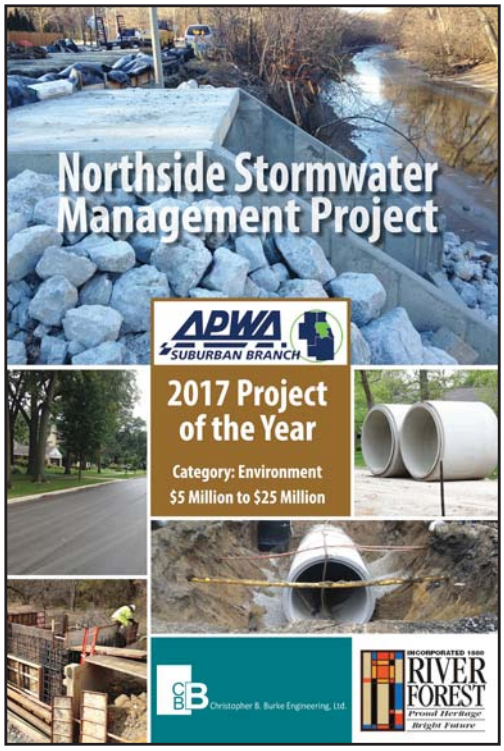
Christopher B. Burke, PhD, PE

RESOURCES

Through leadership positions and active membership in a variety of professional associations CBBEL is able to deliver cutting-edge technology and techniques as they emerge. The outcome is a context-sensitive approach that rejects out-dated cookie-cutter remedies and instead provides the best solution for your needs. Staff take part in national and local organizations including the American Society of Civil Engineers, the American Council of Engineering Companies, the American Public Works Association, the Illinois Association of Environmental Professionals, the Illinois Association for Floodplain and Stormwater Management, the Society of American Military Engineers, the American Academy of Water Resource Engineers, Chicago Wilderness Corporate Council, the Society of Ecological Restoration, Western Society of Engineers, the Society of Wetland Scientists, the Irish Engineers and Contractors, and the Illinois Road and Transportation Builders Association to name a few.

Given CBBEL's commitment to hiring exceptional personnel, prioritizing client relationships and valuing education, it's not surprising that we have received numerous prestigious awards from the American Council of Engineering Companies of Illinois, the American Public Works Association, the Illinois Section of the American Society of Civil Engineers, the Illinois Chapter of the American Planning Association, the Illinois Department of Transportation, and the Illinois Tollway. In addition, five employees have been the recipient of an APWA Top Ten Leader of the Year award; two of them went on to win at the national level. In 2017, CBBEL clients and projects received APWA Suburban Branch awards for the Walnut | Myrtle | Evergreen Stormwater Improvement Project (City of Elmhurst), Northside Stormwater Management Project (Village of River Forest) and Elmwood Park Flood Mitigation Project. APWA Lake Branch awards were received for the Libertyville Multi Year Utility and Road Program and Peterson Road Corridor Improvement (Lake County Division of Transportation). ACEC-IL awarded CBBEL an Engineering Excellence Merit Award for the Northside Stormwater Management Project (Village of River Forest).





SERVICES

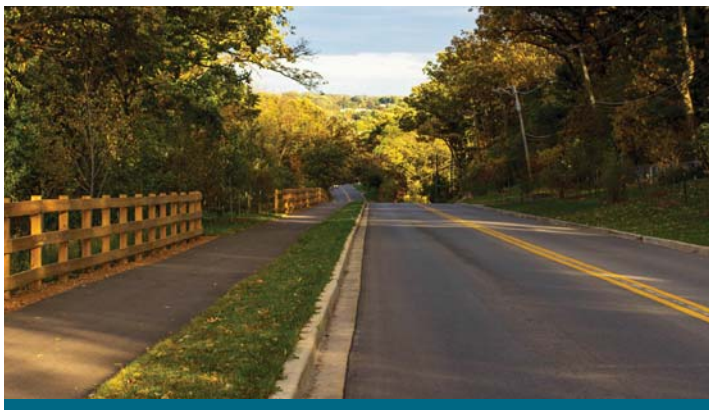
Many firms may possess the required qualifications; however, it is our staff's pride in their work and their responsiveness to their clients that sets us apart. We truly value the Village of Bensenville as a client and hope to build on our working relationship which began over 20 years ago.

As demonstrated on IDOT's Statement of Experience and Financial Condition included in this section, CBBEL is prequalified in all of the major categories listed in the RFQ. Our staff also has experience in utilizing different funding types including MFT, Village and Special Assessments, CMAQ, CDBG, IDNR, HBRRP, STP and LAPP funds.

All of the staff listed in this SOQ and used in our IDOT prequalification are located in our Rosemont office, which is 8 miles away from Bensenville.

ROADWAY DESIGN & MAINTENANCE

Licensed engineers within the Civil Engineering, Civil Design, and Construction Engineering Departments have an average of 22 years of experience and maintain an active role throughout the entire project for a wide variety of public sector traffic and transportation assignments. We have specialized knowledge and experience with various funding programs available to our municipal clients from the grant writing stage to the design procedures required, as well as record keeping and funding reporting, giving our clients an added service not easily found in the engineering industry. Team members are well versed with various funding types and the documentation required to close-out projects in a timely manner. CBBEL staff routinely interacts with Village engineering, planning, legal, and public works staff, fire protection districts, sanitary districts, County agencies, and plan commissions and elected officials.



Algonquin - Edgewood Drive

We are familiar with DuPage County Stormwater Ordinance as it pertains to roadway improvements and have designed and permitted several major and local roadway projects within the County in the past 5 years.

We have an excellent reputation with IDOT Bureau of Local Roads staff and a thorough understanding of IDOT Policies and Procedures which allows us to more effectively track our projects that required IDOT review and approval.

Our transportation experience includes:

- Phase I Engineering & Environmental Studies
  - Environmental Assessments
  - Roadway Drainage Studies
  - Intersection Design Studies
- Phase II Plans, Specifications and Estimates
  - Roadway Design and Rehabilitation
  - Bicycle and Multi-Use Path Design
  - Streetscape Design & Landscape Architecture
  - Roadway Design
  - Traffic Signal Design
  - Parking Lot Design
  - Electrical Engineering and Lighting Design
- Feasibility Studies
- Plan Review
- Infrastructure Management
- Flood Control
- Drainage Investigation & Improvements
- Water & Sewer Design
- Pump Stations
- Utility Coordination
- Permitting
- Construction Administration
- Construction Observation

CBBEL has provided annual street program services and Village wide pavement evaluations and pavement condition index (PCI) ratings for several municipalities throughout the 6-county region. We generally prepare plans, specifications and estimates for the various Street Programs in the fall/winter prior to the proposed program year. Within the last five years, CBBEL has designed the reconstruction and

resurfacing of over 150 miles of roadway for over 50 municipal clients. Upon completion of the pavement ratings, CBBEL has developed a multi-year pavement management program to guide the municipality through their planning and annual budget process.

Our staff prides itself on maintaining a very positive working relationship with IDOT and working closely with them to meet our client's schedules.

TRAFFIC ENGINEERING REVIEW & DESIGN

CBBEL's Traffic Operation Engineers provide a wide array of services to our clients which include the following:

- Intersection Improvements
  - Intersection Design Studies (IDS)
  - Traffic Signal Installation and Roadway Improvement Plans
  - Traffic Signal Warrant Studies
  - Pedestrian Crossing Safety
  - Conceptual Geometry
- Railroad Quiet Zone
- Traffic Modeling and Evaluation
  - Traffic Modeling and Simulation
  - Traffic Operations Analysis
  - Traffic Impact Studies
- Traffic Signal Timing and Monitoring
- Signal Coordination and Timing (SCAT)
  - Signal Reoptimization
  - Permit Coordination
- Adaptive Signal Control
- Accessible Pedestrian Signals



New Lenox - Quiet Zone

We also have a strong rapport with State and County agencies as well as municipalities responsible for plan approval and permit issuance. Work includes preparation of permit applications, obtaining accelerated local agency reviews, preparation of final permits, and coordination with owners and contractors regarding project performance guarantees.

STORMWATER

CBBEL is known as a leader in all aspects of water resources including hydraulic and hydrologic modeling, environmental studies, permitting and floodplain/FEMA analysis.

CBBEL modeled, permitted and designed the separation of Elgin's combined sewer system in their Lord Street Basin, including a new 96" storm outlet into the Fox River. This project won the APWA 2013 Project of the Year award.



Elgin - Lord Street Combined Sewer Separation

CBBEL has been involved in preparing, obtaining, and reviewing DuPage County permits for partial-waiver, full waiver, and non-waiver communities in DuPage County continuously since 1987. During this time period, CBBEL has reviewed or submitted over 600 stormwater management permit applications for several partial-waiver DuPage County communities and reviewed or submitted over 500 stormwater management permit applications in full-waiver DuPage County communities.

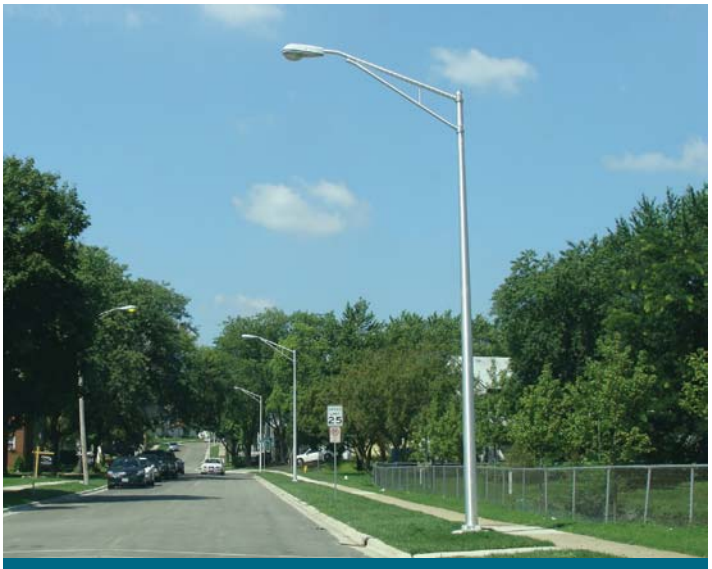
WATER, SEWER AND PUMP STATION DESIGN

Roadway improvement projects commonly include sanitary sewer or water main relocation components. CBBEL's Mechanical/Electrical Engineering Department is highly experienced in all aspects of

municipal potable water and wastewater engineering projects including excess flow storage, regional pump station rehabilitation, sanitary sewer design and lift station rehabilitation and replacement. CBBEL's Mechanical/Electrical Department staff is made up of mechanical, electrical and civil engineers that are knowledgeable and experienced in system evaluations, modeling, planning, design, permitting, and construction of potable water, sanitary sewer and storm water facilities. Specialized areas of expertise include facility planning, computer modeling for capacity analysis, capital improvement planning, pumping and lift station design, SCADA systems, preparation of plans and specifications, construction observation services, and system operation and maintenance.

We've completed several large storm sewer/flood relief projects within the past few years. Many of these projects began with CBBEL completing sewer system modeling and then extended through design, coordination and permitting and then bidding and construction. This experience, from study level through construction, combined with our GIS and permitting capabilities makes CBBEL a leader in storm sewer infrastructure projects. Our team combines civil, mechanical and construction engineers experienced in all types and sizes of utility projects.

We also complete countless watermain replacement projects for the various communities we work in. CBBEL has also recently completed water model development and analysis for the Village of Bensenville water distribution system to analyze the effects on the system from the O'Hare Modernization preparation of the water model. CBBEL has recently prepared water models for the City of Wheaton, Village of Shorewood and Village of New Lenox, and is presently developing a water master plan for the Village of Bartlett.



Glendale Heights - James Court Roadway Lighting

ROADWAY LIGHTING DESIGN

CBBEL's Mechanical/Electrical Department staff works on a wide variety of lighting projects. Diversity of project experience ranges from comprehensive lighting studies and IDOT roadway lighting to parking lot, pedestrian and sports field lighting. Their Department staff is committed to providing energy efficient solutions to meet the power requirements of today's public works projects and will incorporate the most current green technologies where appropriate or to supplement those energy needs. Staff members are LEED Accredited Professionals experienced in providing efficient, sustainable design and commissioning services.



FUNDING PROCUREMENT CAPABILITIES

CBBEL can also assist the Village in obtaining project funding by helping research funding sources, writing applications, and assisting the communities with the agencies through the funding process. CBBEL has been successful identifying additional funding sources for the 22 different municipalities for whom CBBEL is Village/City Engineer. Funding grants that we have worked on and have been successful in receiving for clients include STP, CDBG, ITEP (Illinois Transportation Enhancement Program), Operation GreenLight, Enhancement, DCCA, IEPA, IDNR park grants and bicycle grants, and CMAQ (Congestion Mitigation and Air Quality). We retain Metro Strategies to assist us in identifying grant opportunities for our clients and for reviewing our grant applications. Metro Strategies exclusively contracts with CBBEL clients define and articulate the vision and goals of new projects, engage strategic partners, and create a comprehensive plan with measurable outcomes. Our staff participates in and, if needed, facilitates planning meetings, researches best practices, assists with creating implementation timelines and budgets, and prepares all supporting materials.

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

April 28, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Christopher Burke
BURKE, CHRISTOPHER B. ENG., LTD.
9575 W. Higgins Road
Suite 600
Rosemont, IL 60018

Dear Christopher Burke,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $61,600,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 123.20% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR BURKE, CHRISTOPHER B. ENG., LTD.

CATEGORY	STATUS
Special Services - Electrical Engineering	X
Environmental Reports - Environmental Assessment	X
Special Services - Mechanical	X
Special Studies - Traffic Signals	X
Special Services - Sanitary	X
Hydraulic Reports - Waterways: Complex	X
Special Studies - Feasibility	X
Highways - Roads and Streets	X
Hydraulic Reports - Pump Stations	X
Special Services - Construction Inspection	X
Hydraulic Reports - Waterways: Typical	X
Special Studies - Location Drainage	X
Special Studies - Pump Stations	X
Environmental Reports - Environmental Impact Statement	X
Special Services - Surveying	X
Special Studies - Traffic Studies	X
Special Studies - Lighting: Typical	X
Special Studies - Safety	X
Highways - Freeways	X
Location Design Studies - New Construction/Major Reconstruction	X
Special Studies - Lighting: Complex	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Location Design Studies - Rehabilitation	X
Structures - Highway: Simple	X
Special Services - Landscape Architecture	X
Special Studies - Signal Coordination & Timing (SCAT)	X
Structures - Highway: Typical	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

TAB 2
PROJECT EXPERIENCE

PROJECT EXPERIENCE

We have included our most recent project experience relative to the expected short-list projects. All of the below listed projects are Roadway (Phase I/Phase II), Parking Lots, Utilities, Pump Stations, and Traffic Signal projects under contract from 2012 to present. Please note that some projects may be listed in more than one category. CBBEL understands the importance of our municipal clients and we strive to meet their special demands. We encourage you to contact the client contacts listed below.

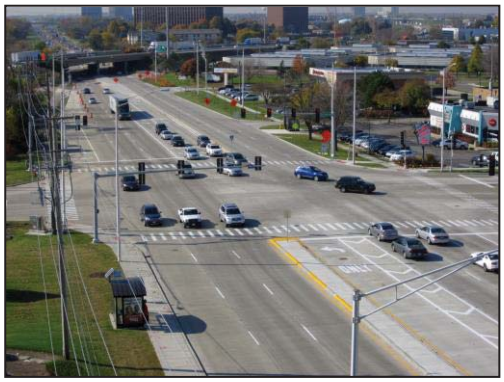
ROADWAY

Project / Client	151st Street Reconstruction / Village of Orland Park
Scope of Work /	CBBEL assisted the Village to obtain Federal STP funding for this project through coordination with the Southwest Conference of Mayors and IDOT. CBBEL obtained the required Phase I engineering design approval for 151st Street from West Ave to Ravinia Ave, and is currently completing Phase I for a new roundabout to be constructed at the West Avenue/151st Street intersection. We will complete Phase II engineering by integrating both improvements into one set of plans for letting by IDOT. This project will begin construction after IDOT's reconstruction of the adjoining LaGrange Road reconstruction has been completed. CBBEL provided the following Phase I/II services: *Phase I:* ▪ Funding coordination ▪ Intersection Design Studies ▪ Environmental Studies ▪ Two Project Development Reports with public involvement ▪ IDOT Coordination *Phase II:* ▪ Full topography survey ▪ Plat of Highways ▪ Construction Plans and Specifications ▪ Utility and Agency Coordination ▪ Right-of-Way acquisition services
Contractor / Client POC	Not Bid Yet / Kurt Corrigan, Village Consultant (708) 403-6123
Project Team	Michael Matkovic, PE - Project Manager-Phase I Jason Souden, PE - Project Manager-Phase II Val Racich, PE - Project Engineer G. Michael Ziegler, PE, PTOE - Traffic Engineer Travis Parry, PE, CFM, CMS4S - Drainage Engineer
Construction Cost / Fee/ Funding/Year	$5,800,000 / $150,000 (Phase I), $100,000 (Phase II) / STP-Local / 2016-2019

PROJECT EXPERIENCE

Project / Client	Deerfield Road Reconstruction / Village of Deerfield
Scope of Work /	CBBEL provided Phase II services for the reconstruction/resurfacing of Deerfield Road from the Metra Viaduct to Skokie Ditch (east of US 41). This project included roadway reconstruction, complete drainage improvements (including new curb and gutter), replacement of the water main, relining and repair of the sanitary sewer, modernization of eight traffic signals, resurfacing of Deerfield Road from Windsor Road to Skokie Ditch and repairs to the Deerfield Road bridges over the West and Middle Forks of the North Branch of the Chicago River. Services included: ▪ Capacity analysis comparing existing 5-lane section to a 3-lane (with bike lanes and wider sidewalks) ▪ Televising of the sanitary and storm sewer, replacement of the storm sewer (designed for the 10-year storm event) and repairing the sanitary sewer within the Village of Deerfield ▪ Profile adjustments to improve drainage ▪ Geometric improvements including increased turn lane storage and taper lengths,improved radii and improved lane alignment ▪ Project Development Report prepared in accordance with IDOT/FHWA guidelines, Phase I Design Approval was received October 2012 ▪ Median planter in Highland Park ▪ Plans prepared in accordance with IDOT guidelines, project was let November 2015 A Lamp Concrete, Inc./ Robert Phillips, Deputy Director of Public Works & Engineering (847) 317-2490
Contractor / Client POC	
Project Team	Stephen Sugg, PE, PTOE - Project Manager Val Racich, PE - Project Engineer
Construction Cost / Fee / Funding /Year	$19,500,000/ $1,199,000 (Phase II) / Local / 2014-2015

PROJECT EXPERIENCE

Project / Client	IL Route 58 at New Wilke Road Intersection Improvements / City of Rolling Meadows
Scope of Work /	CBBEL prepared a Plat of Highways and a Phase I Project Development Report for Group II Categorical Exclusion for this intersection improvement. The Project Development Report included: ▪ Topographic survey and determination of existing right-of-way ▪ The preparation of an Intersection Design Study (IDS) for the intersection of IL Route 58 and New Wilke Road. The IDS was closely coordinated with District One's Bureau of Programming and the FHWA ▪ An Accident Analysis ▪ Development of horizontal and vertical geometry based on IDOT/FHWA requirements ▪ Preparation of Environmental Survey Request Forms, Wetland Assessment and Wetland Impact Evaluation Forms, and PESA and PSI coordination ▪ Determination of right-of-way and easement requirements ▪ Coordination with IDOT, Bureau of Local Roads and Programming, FHWA and the Public CBBEL prepared Phase II Construction Documents in accordance with the approved PDR. Phase II services included: ▪ Construction Plans and Specifications ▪ Construction Cost Estimate ▪ Coordination with FHWA, property owners, adjacent construction projects ▪ Coordination with the 13 utility companies within the project corridor CBBEL provided the following Phase III Engineering Services: Preconstruction Services Construction Observation Material Testing Stakeholder Coordination 
Contractor / Client POC	Martam Construction Inc. / Fred Vogt, Director of Public Works (847) 963-0500
Project Team	Michael Kerr, PE - Phase I Project Manager Jason Souden, PE - Phase II Project Manager Bryan Luke, PE, CPESC - Project Engineer G. Michael Ziegler, PE, PTOE - Intersection Design Study & Traffic Signal Design
Construction Cost / Fee / Funding /Year	$5,500,000 / $270,000 (Phase I), $370,000 (Phase II) / STP-IDOT-ERP-City / 2013

PROJECT EXPERIENCE

Project / Client	IL Route 53 at Madison Street / Village of Lombard
Scope of Work /	CBBEL performed Phase II engineering which consisted of developing the contract documents (Plans, Specifications and Estimates) for advertisement and award by IDOT. Major tasks during this phase included: ▪ Land Acquisition tasks based on the approved Plat. ▪ Utility coordination including relocation/utility protection design. ▪ Obtaining the required permits for construction including a DuPage County Stormwater Permit. ▪ Completing and refining the preliminary geometric design, and preparing detailed and accurate plans. ▪ Support during the bidding phase.
Contractor / Client POC	Alliance Contracting, Inc. / Matthew Lew, Civil Engineer (630) 620-5700
Project Team	Jason Souden, PE - Project Manager Val Racich, PE - Project Engineer Mike Ziegler, PE, PTOE - Traffic Signals
Construction Cost / Fee/ Funding / Year	$3,620,000 / $277,000 / Local-Federal / 2016

Project / Client	Miner Street Streetscape/Roadway Improvements / City of Des Plaines
Scope of Work /	CBBEL provided the following engineering services. ▪ Preparation of Master Plan of streetscape improvements for entire downtown TIF District ▪ Preparation of Contract Documents for Phase I – Miner Street (US Rt. 14) from Graceland Avenue to Pearson Street ▪ Presentation and coordination of improvements to residents, business owners and City Officials ▪ Noise study and concept plans for the relocation of an existing bus stop ▪ IDOT permitting ▪ Bidding assistance ▪ Construction observation, shop drawing review and material testing 
Contractor / Client POC	The Lorusso Companies / Timothy Oakley, PE (847) 391-5300
Project Team	Jason Souden, PE - Project Manager Bryan Luke, PE, CPESC - Project Engineer Kevin Baldwin, PE - Irrigation/Electrical
Construction Cost / Fee / Funding /Year	$2,200,000 / $236,000 / Local-TIF / 2011-2013

PROJECT EXPERIENCE

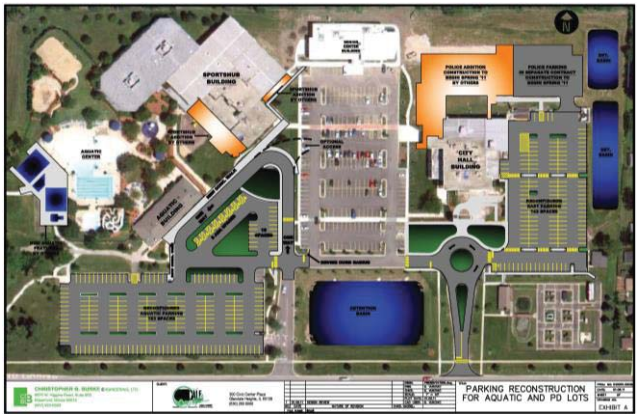
Project / Client	New Wilke Road / City of Rolling Meadows
Scope of Work /	New Wilke Road between Golf Road and Algonquin Road was widely known as the worst stretch of roadway in the City. Because of its poor condition the City even lowered its speed limit from 35 to 25 mph. As such, the reconstruction of the 40 year old pavement has been a much awaited and welcomed improvement by motorist and City Officials. Through the efforts of the City, State Representatives and CBBEL, Federal Emergency Repair Program funding was secured, paying for 100% of the engineering and construction costs. Improvements included new roadway (9" PCC pavement on 12" of aggregate subgrade), combination concrete curb and gutter, an improved storm sewer system with 4" pipe underdrains and ductile iron storm sewer pipe, driveway reconstruction, ADA sidewalk improvements at side road and driveway entrances, and parkway restoration. In order to minimize impacts to commuter/local traffic and the numerous businesses and residences, construction was completed in three stages over a 16 week period this summer. During construction, the corridor also had the lighting system replaced via a separate contract; CBBEL coordinated with the contractor to ensure that staging sequencing and safety were not jeopardized.
Contractor / Client POC	G&M Cement Construction Inc. / Fred Vogt, Director of Public Works (847) 963-0500
Project Team	Jason Souden, PE - Project Manager Bryan Luke, PE, CPESC - Project Engineer Ryan Lindeman, PE - Construction Engineer
Construction Cost / Fee/ Funding /Year	$1,200,000 / $40,000 (Phase I), $60,000 (Phase II), $69,000 (Phase III) / MFT-ERP / 2012



Phase I/II:	*Phase III*:
▪ Topographic Survey	▪ Preconstruction Services
▪ Generating and receiving approval of a Phase I Report and Environmental Permits	▪ Construction and Environmental Observation
▪ Plat of Highways	▪ Material Testing Coordination
▪ Plans/Special Provisions/Cost Estimate	▪ Documentation of Quantities, and processing Change Orders and Pay Estimates for approval by the City Council
▪ Utility and Agency coordination, Construction Contract Bidding and Award Assistance	

PROJECT EXPERIENCE

PARKING LOTS

Project / Client	Police Station and Aquatic Center Parking Lot Rehabilitation / Village of Glendale Heights
Scope of Work	The municipal campus for Glendale Heights which contains Village Hall, the Police Department, a Senior Center, Safety Town, the Sports Hub, and an Aquatic Park has recently experienced a dramatic face lift. Village Hall was renovated, the Police Department completed a building addition, the Senior Center was constructed, and the Sports Hub and Aquatic Park were gutted and renovated. Alterations were necessary to the various parking lots and drop-off lanes for Village Hall and the Sports Hub to accommodate the new buildings, entrances to the facilities and increased amount of pedestrian and vehicle traffic. Parking lots were expanded and reconfigured. The drop-off lane for the front entrance of Village Hall was constructed to accommodate traffic flow and the numerous ceremonies held within the plaza. The parking lots were reconstructed in accordance with the master development plan for over 360 parking stalls including new storm sewer and underdrains, relocation of utilities, all new site lighting, ground mounted receptacles for holiday lights, addition of site amenities (bollards, flag poles, etc.), and landscape plantings. CBBEL completed the design, permitting, preparation of construction documents, cost estimating, bidding services, contract administration and construction observation for this project. The project was successfully completed under budget in two phases. 
Contractor / Client POC	Geneva Construction Company / Rachel Becerra, Village Administrator (630) 909-5331
Project Team	Andrew Pufundt, PE - Project Manager Douglas Gotham, LLA - Landscape Architect Jason Souden, PE - QA/QC John Caruso, PE - Electrical Boris Vukovic - Construciton Engineer
Construction Cost / Fee/ Funding/Year	$1,300,000 / $41,000 (Design) $54,000 (Construction Observation) / Local / 2011-2012

PROJECT EXPERIENCE

Project / Client	Green Parking Lot / Village of Riverside
Scope of Work	With commuter and downtown shopping parking spots in high demand the Village of Riverside took advantage of the opportunity of acquiring land near the business district. The challenges of developing a parking lot at this location were to minimize stormwater runoff and use building materials and plants that enhanced the historic character of the community. CBBEL developed a design using permeable paving in a traditional pattern along with a Rain Garden feature. These elements dramatically reduced the stormwater runoff for the facility and complimented the historic downtown district. Services included: • Assisted the Village in preparing an Illinois Green Infrastructure Grant that provided the community with funds to use permeable paving • Prepared construction documents • Assisted the Village with the bidding process • Provided construction administration
Contractor / Client POC	Great Lakes Landscaping / Ed Bailey, Director of Public Works (708) 442-3590
Project Team	Orion Galey, PE - Project Manager Douglas Gotham, LLA - Landscape Architect
Construction Cost / Fee/ Funding /Year	$575,000 / $48,000 / Illinois Green Infrastructure Grant-Local / 2012



PROJECT EXPERIENCE

Project / Client	NIU Green Parking Lot / Northern Illinois University
Scope of Work /	CBBEL prepared a survey of the existing conditions and had soil borings taken at key locations. The borings indicated that certain areas had sub-soils have a percolation 1.8 inch/hour rate which is ideal for permeable paving. The project will also include native landscaping and vegetated swales to further reduce stormwater flow and improve water quality. CBBEL prepared a conceptual design that took advantage of the good sub-soils. The design that was developed is a hybrid of traditional asphalt paving and new permeable paving. This concept reduces the construction cost of a total permeable pavement parking lot by approximately 30% but still retains over 70% the stormwater from the high frequency events. The existing high pressure sodium lot lighting will be replaced with new high efficiency LED lights.
Contractor / Client POC	Abbey Paving / Jim Murphy, Project Manager (815) 753-1480
Project Team	Jason Souden, PE - Project Manager Douglas Gotham, LLA - Landscape Architect
Construction Cost / Fee/Funding /Year	$337,000 / $30,400 / Local / 2012



PROJECT EXPERIENCE

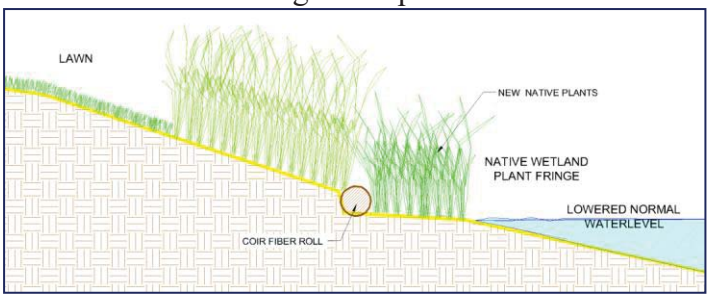
UTILITIES

Project / Client	Northside Stormwater Management Project / Village of River Forest
Scope of Work /	The Northside Stormwater Management Project was a sewer separation project designed to establish separate storm and sanitary sewer systems in the predominantly residential northern portion of the Village. Construction of the project included a new 9-foot by 6-foot outfall to the Des Plaines River with internal energy dissipation, as well as a 9-foot by 6-foot box culvert, over 20,000 feet of storm sewers ranging in size from 12 inches to 96 inches in diameter, large cast-in-place concrete conflict structures, extensive combined/sanitary sewer and water main relocations, sewer and water service replacements, and roadway reconstruction and resurfacing. Construction of an advance contract was initiated in Fall 2014 and the entire project was substantially completed in November 2015, on budget and ahead of schedule. CBBEL was retained by the Village to provide the following design, permitting and construction engineering services: • Topographic Survey • Geotechnical Investigation/CCDD Analysis • XP-SWMM Hydrologic and Hydraulic Model Analysis • Utility Coordination • IEPA WPCLP Loan Assistance • Preliminary Plans, Specifications and Estimates • Permitting (MWRD, FPDCC, USACE, IDNR, IDOT, IEPA) • Final Plans, Specifications and Estimates • Bid Documents • Bidding Assistance • Construction Observation 
Contractor / Client POC	Bolder Contractors / Jeff Loster, Village Engineer (708) 714-3551
Project Team	Bryan Welch, PE - Project Manager Mark Thomas, PE - Project Engineer Don Dressel, PE, CFM - Hydrologic/Hydraulic Modeling John Murphy, PE, PLS - Survey Orion Galey, PE - Resident Engineer
Construction Cost / Fee/ Funding /Year	$15,000,000 / $1,200,000 (all phases) / Local-IEPA WPCLP Loan / 2013-2015

PROJECT EXPERIENCE

Project / Client	Flood Mitigation Project / Village of Elmwood Park
Scope of Work /	Under the Village's Flood Mitigation Plan prepared by CBBEL, new storm sewers were installed at selected locations within the Village. The new storm sewers vary in size from 12" diameter to 3' by 12' box culverts with a total length of approx. 40,000'. The storm sewers collect storm water and convey it to a newly constructed 14 acre-foot detention reservoir in the Oak Park Country Club. A 30" storm sewer conveys low flows to an existing Des Plaines River tributary. Storm flows in excess of the 30" storm sewer capacity are pumped to a proposed outlet structure at the Des Plaines River. Flows are dissipated within the outlet structure and released to the river at a velocity of 3' per second. The project also involved the construction of a floodwall along the west side of Thatcher Avenue that will prevent Des Plaines River overbanking from reaching several residences in the Village, thereby removing them from the flood plain. Project involved coordination with Metra and IDOT to jack three 48" pipes under the Metra West Line and an 84" diameter sewer under Grand Avenue. Coordination and permitting from several agencies including the USACE, MWRD, Soil and Water Conservation District, and Forest Preserve District of Cook County was also required. CBBEL completed the drainage calculations and hydraulic modeling and prepared plans, specifications and estimates, coordinated with permitting agencies and provided construction inspection services.  Contract 1 (80th Avenue) – Neri Contract 2 (OPCC and South Elmwood Park Streets) - DiMeo Contract 3 (Pump Station) - Manusos / Paul Volpe, Village Manager (708) 452-7300
Contractor / Client POC	
Project Team	Stephen Sugg, PE, PTOE - Project Manager Don Dressel, PE, CFM - Water Resources Engineer John Caruso, PE - Pump Station Design John Murphy, PE, PLS - Project Surveyor Orion Galey, PE - Resident Engineer
Construction Cost / Fee/ Funding /Year	$35,000,000 / $710,000 / MWRD-IDOT-Local / 2012-2015

PROJECT EXPERIENCE

Project / Client	Terrace View Pond / Village of Lombard
Scope of Work /	CBBEL reviewed the flooding occurring in neighborhoods adjacent to Terrace View Pond. CBBEL analyzed the various components that contributed to the flooding and made recommendations that involved using Terrace View Pond for a stormwater storage location. To achieve this, the ponds previous normal water elevation needed to be lowered so that flood waters could be stored on its surface. The lowering of the water level and the slow release of the stored stormwater would be performed by a pump system that monitored the water elevation. The lowering of the pond elevation and the temporary storing of stormwater impacted the perimeter shoreline vegetation. To address this CBBEL developed a plan for the restoration of the shoreline.  CBBEL responsibilities included meeting with the Village, visit the site, performed a detailed survey of the ponds perimeter, identified wetland areas, reviewed the existing stormwater conveyance systems, modeled storm events, and prepared options for using the park site. A report with recommendations was presented to the Village and Park District. Upon approval to proceed, CBBEL prepared documents for permit, construction documents, submitted to the various review agencies for permit and prepared construction documents for bidding.
Contractor / Client POC	Martam Construction Inc. / Carl Goldsmith, Director of Public Works (630) 620-5740
Project Team	Jason Souden, PE - Project Manager Bryan Luke, PE, CPESC - Project Engineer Jeana Gowin, PE, CFM - Water Resources Engineer Jedd Anderson, PWS, CWS, CPESC - Environmental Resources Specialist John Caruso, PE - Mechanical Engineer
Construction Cost / Fee/ Funding /Year	$1,300,000 / $52,000 (Phase I), $141,000 (Phase II), $145,000 (Phase III) / Local / 2011-2014

PROJECT EXPERIENCE

Project / Client	Flood Reduction – Phase II / City of Park Ridge
Scope of Work /	CBBEL completed a flood study in 2009 of six key flooding areas for the City of Park Ridge, which was prompted by the major rains of September 2008. The recommended drainage improvements included flood-proofing, constructing new relief sewers, creating stormwater storage, and increasing pumping capacity.  The Park Ridge Flood Reduction Project – Phase 2 was the second phase of a multi-year effort to reduce flooding at key areas across the City. The project consisted of the construction of relief storm sewers ranging from 12" to 48" in diameter, relief sewer structures ranging from 4' to 10' in diameter, specialty cast-in-place junction chambers, sanitary sewer and water service adjustments, pavement patching, curb and gutter and sidewalk removal and replacement and parkway restoration.
Contractor / Client POC	Copenhaver Construction/ Sarah Mitchell, City Engineer (847) 318-5455
Project Team	Jason Souden, PE - Principal Bryan Welch, PE - Project Manager Pat Kielty, PE - Resident Engineer Jeff Julkowski, PE, CFM - Stormwater Modeling John Murphy, PE, PLS - Survey
Construction Cost / Fee / Funding /Year	$2,800,000 / $300,000 / Local / 2012-2013

PROJECT EXPERIENCE

Project / Client	DuPage River Water Main Crossing at DuPage Street / Village of Shorewood
Scope of Work /	CBBEL provided professional design, permitting and construction engineering services for the project, including: ▪ Topographic Survey ▪ Preparation of Design Plans, Specifications and Estimate ▪ Project Permitting (USACE, IDNR-OWR, IEPA, IDOT) ▪ Bidding Assistance ▪ Pre-Construction Administration Services ▪ Construction Observation ▪ Project Closeout 
Contractor / Client POC	Russ & Co. / Roger Barrowman (815) 725-2150
Project Team	Bryan Welch, PE - Village Engineer Ron Olson - Resident Engineer
Construction Cost / Fee/ Funding /Year	$250,000 / $40,000 / Local / 2012-2013

PROJECT EXPERIENCE

PUMP STATIONS AND WATER TOWERS

Project / Client	Flood Mitigation Pump Station / Village of Elmwood Park
Scope of Work /	 This project is part of an overall Village flood mitigation project that consists of separating 240 acres of combined sewer, installing 40,000' of storm sewer, a 150 cfs pump station, 14 acre-feet detention basin, 2,000' of flood wall, water main replacement and roadway reconstruction. The design of storm water pump station consisted of 40' x 30' x 30' deep cast-in-place concrete wet well with integrally cast valve vault, four 20", 235 Hp submersible type pumping units capable of a total station flow of 67,300 gpm (150 cfs), precast concrete 30' x 10' electrical controls building, 1600 amp motor control center, two variable frequency drives (VFDs) with reduced voltage autotransformer motor starter bypass, two solid state reduced voltage motor starters, SCADA and video surveillance. The pump station forcemain discharge piping was installed in two phases. During Phase 1, 1,000' of twin 36" fusion welded HDPE pipe was installed. During Phase 2, 1,500' of twin 36" HDPE forcemain connected the Phase 1 pump station and forcemain to the outlet structure at Des Plaines River. During interim condition, the pump station discharged into a 7' diameter precast structure that is connected to an existing 30" RCP gravity storm sewer. As discharge structure fills, it will surcharge the 30" RCP converting it into a low pressure forcemain to convey the storm water flow.
Contractor / Client POC	Manusos / Paul Volpe (708) 452-7300
Project Team	John Caruso, PE - Project Manager Anthony DeRicco, PE, LEED AP, LC - Electrical Engineer
Construction Cost / Fee/ Funding /Year	$3,600,000 / $125,000 / Local / 2012-2013

PROJECT EXPERIENCE

Project / Client	Lansing Pump Station Improvements / City of Chicago Heights
Scope of Work /	The project general consisted of the removal and replacement of the existing potable water pumps and accessories; piping and valves; water meter equipment; and all other related appurtenances and accessories. Bypass pumping was also provided during construction so that there was no interruption in service. 
Contractor / Client POC	Gaskill and Walton / Tena Marquie (708) 756-5346
Project Team	John Caruso, PE - Project Manager
Construction Cost / Fee/ Funding /Year	$298,000 / $30,000 / Federal-Local / 2014-2015

Project / Client	East Main Pump Station / Lake County Public Works
Scope of Work /	The project consisted of the design of rehabilitation for a 35-year old, 21.2 MGD regional sanitary sewage pump station owned and operated by the Lake County Public Works Department. Project improvements included: 450 kw trailed mounted diesel engine driven standby generator; 1,200 amp transfer switch for emergency power; replacement of cone valve hydraulic operating system with electric operators; 15 kVA uninterruptable power supply (UPS) for cone valve operator; replacement of two 4'-wide channel screens and mechanical collectors with new mechanical screening shredders; new SCADA; and launcher for pipe monitoring probe. 
Contractor / Client POC	IHC / Dave Humbert (847) 377-7145
Project Team	Mark Emory, PE - Project Manager Kevin Baldwin, PE - Project Engineer Gerald Hennelly - Sr. Engineering Technician
Construction Cost / Fee/ Funding /Year	$2,400,000 / $102,000 / Local / 2011-2016

PROJECT EXPERIENCE

Project / Client	Well No. 10 Pump Station Improvements / Village of New Lenox
Scope of Work /	Design engineering and preparation of Contract Documents and construction engineering services for a potable water booster pump station consisting of new piping, two booster pumps, building addition, roofing, below grade structures for PRVs, water meter, standby generator and SCADA. 
Contractor / Client POC	Joseph J. Henderson & Son / Brian Williams (815) 215-4800
Project Team	John Caruso, PE - Project Manager Katrina Ballado, PE, LEED AP - Project Engineer
Construction Cost / Fee/ Funding /Year	$1,200,000 / $90,000 / Local / 2015-2017

Project / Client	Storm Water Pump Station Rehabilitation / Village of Winnetka
Scope of Work /	The project consisted of the rehabilitation design of an existing storm water pump station. Improvements consisted of the removal of existing intake structures, removal of 4 existing 7,500 gpm pumps, installation of new 9' x 6' box culvert, intake structures with motor operated trash rake mechanism, 4 new 10,000 gpm submersible pumps, motor control center (MCC) modifications in below grade pump control vault, new 1,000 amp CT cabinet and electric service, and trash raker control panel. 
Contractor / Client POC	Boller Construction / Steve Saunders (847) 716-3534
Project Team	John Caruso, PE - Project Manager Thomas Burke, PhD, PE - QA/QC Water Resources David Buckley, PE, CFM - Water Resources
Construction Cost / Fee/ Funding /Year	$1,000,000 / $50,000 / Local / 2010-2014

PROJECT EXPERIENCE

TRAFFIC SIGNALS

Project / Client	Traffic Signal Deign Contract – Blanket Design / Cook County Highway Department
Scope of Work /	Project consists of the development and implementation of coordinated traffic signal system timings for traffic signal systems. Including Signal Coordination and Timing Studies; preparation of traffic signal design plans, including modernization and interconnect plans; prepare roadway lighting design plans; review traffic signal and roadway lighting plans; and assist with County's Electrical and Mechanical Item Maintenance (EMIM) contract and provide other professional services. ▪ Project Development ▪ Field Reconnaissance and Data Collection ▪ Signal Coordination and Timing Studies (SCAT) o Data Collection o Timing Analysis o Timing Implementation and System Set-up o Monitoring ▪ Topographic Survey ▪ Traffic Signal Design o Traffic Signal Warrant Study o Plans, Specifications and Estimate o Technical Specifications o Summary of Quantities o Estimate of Cost ▪ Roadway Lighting and Miscellaneous Electrical System Plans, Specifications and Estimates o Technical Specifications o Summary of Quantities o Estimate of Cost ▪ Review of Plans and Specifications ▪ Assistance with Electrical and Mechanical Item Maintenance Contract ▪ Local Agency Coordination
Contractor / Client POC	N/A Rich Jezierny (312) 603-1734
Project Team	G. Michael Ziegler, PE, PTOE - Project Manager Frank Nemes, PE, PTOE - Project Engineer
Construction Cost / Fee/ Funding /Year	N/A $200,000 each contract / County / 2000-present (consecutive contract awards)

PROJECT EXPERIENCE

Project / Client	IL Route 50 and Southwest Highway / Illinois Department of Transportation, District 1
Scope of Work	CBBEL prepared design plans to upgrade all the existing traffic signal equipment and to create a suitable pedestrian environment for the urbanized area at Cicero Avenue and Southwest Highway under the IDOT Various Traffic Signal Design Contract. The project included reducing the corner radii and eliminating the channelizing islands; which reduced the crossing distances for pedestrians and increased the space for sidewalk ramps. The project also included removing 7 individual roadway luminaires with poles and installing the lighting on combination mast arm with the new traffic signal equipment, which reduced the amount of appurtenances within the sidewalk. In addition, the project added pedestrian signals and pushbuttons at the intersection that did not previously exist, as well as additional vehicle signal heads for increased signal visibility on both of the seven lane roadways. Services included: ▪ Analyzed signal phase alternatives using HCM 2010 ▪ Created preliminary geometric alternatives to meet IDOT requirements and project goals ▪ Developed materials for the project's environmental processing ▪ Prepared Photometric Calculation Report for the temporary and permanent combination mast arm installations ▪ Developed plans for the removal of the existing roadway lighting and creation of bypass conduit to maintain the rest of the lighting system ▪ Finalized roadway geometry ▪ Developed plans for removal and replacement of all traffic signal equipment at the intersection ▪ Prepared the temporary and proposed Sequence of Operations for normal traffic signal operations, emergency vehicle preemption, and railroad preemption as well as plans for a temporary and permanent railroad interconnect and signal interconnect to operate during and after construction
Contractor / Client POC	N/A Sudud Mahmoud (847) 705-4145
Project Team	G. Michael Ziegler, PE, PTOE - Project Manager Anthony DeRicco, PE, LEED AP, LC - Electrical Engineer Elizabeth Jensen, PE - Traffic Engineer
Construction Cost / Fee/ Funding /Year	$700,000 / $40,000 / HSIP / 2014

PROJECT EXPERIENCE

Project / Client	Traffic Operations and Signal Design Services / City of Naperville
Scope of Work /	The services provided by CBBEL for these projects have included topographic survey, development of IDS's (intersection geometry and capacity analysis), base sheet preparation, preparation of plans, specifications and estimate, contract documents and review/coordination services with IDOT and DuDOT to facilitate the issuance of highway permits and overall project coordination with the City. Our services have focused on early coordination with the City to refine project design criteria, electrical service locations and project issues. Typical projects involve a detailed field reconnaissance to document existing conditions including traffic signal equipment capabilities and interconnect routing, collection of existing roadway/traffic signal plans and the preparation of traffic signal installation or traffic signal modification plans, cable plans and interconnect plans. Many projects have been designed on a parallel basis to satisfy project letting schedules.  CBBEL has worked with the City on the use of video and pedestrian detection systems, evaluation of TS2 standards and review meetings with equipment vendors to review traffic signal equipment capabilities.
Contractor / Client POC	N/A Andy Hynes (630) 548-2958
Project Team	G. Michael Ziegler, PE, PTOE - Project Manager Frank Nemes, PE, PTOE - Project Engineer
Construction Cost / Fee/ Funding /Year	$5,000,000 / $350,000 / CMAQ-Local / Ongoing

PROJECT EXPERIENCE

Project / Client	Emergency Vehicle Priority System Installation / Village of Crestwood
Scope of Work /	Project involved the preparation of contract plans and documents for installing emergency vehicle preemption at 17 signalized intersections within the Village of Crestwood. Work included the preparation of traffic signal modification plans and cable plans to incorporate the proposed emergency vehicle preemption system. The project scope included installing the EVP detector and confirmation beacon on the existing traffic signal equipment and wiring in the existing cabinet to ensure proper operation.
Contractor / Client POC	H&H Electric, Inc. / Bill Graffeo (708) 371-4800
Project Team	G. Michael Ziegler, PE, PTOE - Project Manager Thomas Szabo - Project Engineer
Construction Cost / Fee/ Funding /Year	$181,000 / $45,000 (Design) and $27,800 (Construction) / STU-Local / 2015-2016

Project / Client	Gilmer Road Interconnect & Adaptive Signal System / Lake County Division of Transportation
Scope of Work /	Project involved environmental processing for CE 1 project, including preparation of environmental survey request form, BLR 19100 and Preliminary Environmental Site Assessment (PESA). Phase 2 work included the preparation of contract plans and specifications for traffic signal modernization and modification plans for 6 signalized intersections and fiber optic interconnect. Work included topographic survey, detailed field inventories of the intersections to determine traffic signal equipment compatibility with respect to integrating the traffic signal installations into the Lake County Passage system and preparation of contract plans, specifications and estimate. Work also included design of traffic signal modernization plans for one intersection and traffic signal modifications plans for five intersections. Scope included installation of PTZ cameras, Ethernet signal system provisions and accommodations for a future adaptive traffics signal system.
Contractor / Client POC	Home Towne Electric, Inc. / Jon Nelson, Engineer of Traffic (847) 377-7400
Project Team	G. Michael Ziegler, PE, PTOE - Project Manager Elizabeth Jensen, PE - Project Engineer
Construction Cost / Fee/ Funding /Year	$1,200,000 / $92,900 / CMAQ / 2014

TAB 3
STAFFING

BENSENVILLE
GATEWAY TO OPPORTUNITY

MAIN POINT OF CONTACT
John Heinz

ROADWAY
Bryan Welch, PE
Martin Worman, PE
Val Racich, PE
Bryan Luke, PE
Andrew Pufundt, PE
Gary Rozwadowski, PE
Stephen Sugg, PE, PTOE
Mark Thomas, PE
Nick Morel, PE

TRAFFIC SIGNALS/ INTERSECTION DESIGN STUDIES
G. Michael Ziegler, PE, PTOE
Frank Nemes, PE, PTOE
Elizabeth Jensen, PE

MECHANICAL
John Caruso, PE
Mark Emory, PE
David Sulkowski, PE
Kevin Baldwin, PE

LIGHTING/ ELECTRICAL
John Caruso, PE
Katrina Ballado, PE, LEED
Anthony DeRicco, PE, LEED
Gerald Hennelly

STAFFING

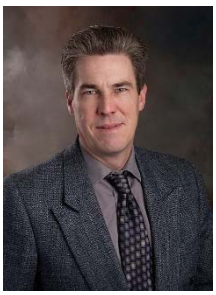
Our team of professionals has the skills and experience required for the proposed services. Our team includes experts in topographic survey, Phase II roadway improvements, sewer and utility design, bridges, traffic signals, pedestrian signals, intersection design studies and street lighting. On complex or multi-faceted projects, it may be essential for our Roadway Improvements Design Team to consult with one of CBBEL's other disciplines.

Name/Registration/ Title	Yrs Exp/ @Firm	IDOT/Municipal Project Experience
MAIN POINT OF CONTACT		
 John Heinz / PE / Senior Construction Manager	34/2	John Heinz, former Public Works Director from the Village of Libertyville, will be your Main Point of Contact for all project types. John has 34 years of municipal Public Works Operations and municipal engineering experience and fully understands the requirements and processes associated with a town as intricate as Bensenville. All Design Engineering Requests for Proposal will be sent to John Heinz and John will coordinate with the appropriate CBBEL specialist in order to create a comprehensive response. We intend to provide hands on, personal service to the Village at all times and for every project type, regardless of size or complexity.
DESIGN ENGINEERS		
 Bryan Welch / PE / Senior Project Manager	26/15	Bryan is experienced in roadway, streetscape and highway design, storm and sanitary sewer design, park and other recreational facilities design, water distribution modeling and design, hydrology and hydraulics, storm water management, the preparation of State and Municipal plans, specifications and estimates, construction practices and inspection, and providing general municipal engineering services. Projects include: Northside Sewer Separation Project in River Forest; US Route 30 and Cedar Road Water Main Replacement and IEPA Loan Application in New Lenox; Nelson Road Extension in New Lenox. Bryan is the Village Engineer in Shorewood where he administers the design of municipal programs and projects, coordinates development reviews and construction inspections and attends Village Board meetings and weekly staff meetings.
 Martin Worman / PE / Senior Project Manager	26/15	Marty is responsible for many design projects for numerous communities, counties, and IDOT. His civil engineering experience includes planning and design of highways and local roads for the City of Rolling Meadows, Village of Lombard, DuDOT, LCDOT, WCDOT, CDOT, IDOT and the Tollway. Recent projects include: Plum Grove Road reconstruction and roundabouts for Village of Schaumburg; Peterson Road Reconstruction for LCDOT; US Route 41 at IL Route 176 interchange reconstruction project for Village of Lake Bluff and IDOT; Edgewood Drive Reconstruction for Village of Algonquin; Pingree Road Reconstruction for City of Crystal Lake.

STAFFING

Name/Registration/ Title	Yrs Exp/ @Firm	IDOT/Municipal Project Experience
 Val Racich / PE / Senior Project Manager	31/11	Val has prepared roadway and streetscape design plans for a number of arterial street improvements including Madison Street/IL 53 and Finley Road/IL 38 in Lombard, Balmoral Avenue from River Road to O'Hare Airport in Rosemont and Chicago, Greenwood Road in Dolton, Wadsworth Road/IL 131 in Beach Grove, Harvard and Jackson Streetscaping in Forest Park, Palatine Road in Arlington Heights, 151st Street and 143rd Street projects in Orland Park, and Nelson Road in New Lenox. As Senior Project Manager, Mr. Racich has the primary responsibility for producing complete, accurate and cost-effective bid documents on all his projects. He has also delivered complex, multi-year transportation engineering design projects for IDOT, several counties, the Illinois Tollway, and the Chicago Skyway. His specialties include geometric design, storm and sanitary sewer design, and site design.
 Bryan Luke / PE, CPCESC / Project Manager	21/13	Bryan has been involved in a wide variety of civil engineering projects and is familiar with IDOT standards. His experience includes planning and design of highways, local roads, utility design, shared use paths, and streetscapes for the City of West Chicago, Village of Northbrook, Village of Lombard, LCDOT, CDOT, IDOT, MCDOT, KDOT, CCDOTH, Lake County Forest Preserves, and the Tollway. Recent projects include Lee St (US 12/45) Streetscape and Miner Street (US Rt. 14) Streetscape, Project for Des Plaines; Main St Bike Lane Project for Skokie; Big Timber Road, near Elgin; Deerfield Road Bike Path over Des Plaines River in Riverwoods; IL Rt 7/153rd St Bike Path for Orland Park; Hawthorne Lane Reconstruction for West Chicago; Devon Avenue Streetscapes for CDOT; 95th Street Streetscape, Chicago; Hastings Lake Public Access Improvement, IL Rte 58 (Golf Rd) and New Wilke Road Recon. for Rolling Meadows; IL.
 Andrew Pufundt / PE/ Project Manager	14/14	Andy is experienced in roadway, streetscape, utility, stormwater and site improvement projects, preparation of Federal and Municipal plans, specifications and cost estimating, and providing general municipal engineering services. He serves as the Village Engineer for Glendale Heights, Chicago Ridge and Tinley Park and has also designed and managed projects for Northlake, Rosemont, Downers Grove, Clarendon Hills, Bensenville, Darien, and Hawthorn Woods. Andy has been involved in a wide variety of projects that require familiarity with IDOT Highway Standards, IEPA permitting, and MWRD policies and procedures. Andy has completed applications and successfully secured funding from various sources which include STP, CMAQ, ITEP, CDBG, and IDNR. Recent projects include: Various Street Reconstruction and Resurfacing Projects in Glendale Heights and Chicago Ridge; Police Station, Aquatic Park and Sport Hub Facility in Glendale

STAFFING

Name/Registration/ Title	Yrs Exp/ @Firm	IDOT/Municipal Project Experience
		Heights; Bike Path Extensions in Northlake; Clyde Estates Subdivision Reconstruction in Downers Grove; Madison Street STP Resurfacing in Forest Park; Sidewalk Program & Water Main Imp., as well as Televising and Cured-In-Place Pipe Lining in Northlake.
 Gary Rozwadowski / PE / Senior Project Manager	30/7	Gary provides QC/QA services for CBBEL in addition to his duties as a Senior Project Manager preparing plans and special provisions for a variety of municipal clients. He has spent the last 3 years with CBBEL's consultant team at IDOT-District One Bureau of Local Roads and has reviewed over 100 sets of plans for compliance with IDOT (and other agency) design criteria. He is familiar with agency standards and understands what is required to successfully prepare a set of plans. Gary will work with design team and provide review services prior to all submittals to the Village. Project experience includes: Carriageway Bridge Phase I report and Phase II contract plans in Rolling Meadows, Marengo Road Bridge Phase I report and Phase II contract plans in Harvard, Local Road street projects in various communities, Metra station/parking lot projects, and various daily municipal coordination.
 Stephen Sugg / PE, PTOE / Senior Project Manager	34/6	Steve's expertise includes transportation studies and reports, highways, municipal streets, streetscapes, parking lots, lighting, and traffic signals. Steve recently served as Project Manager for preparation of plans for Village of Elmwood Park's $40 million storm sewer separation project. This project involved the construction of 40,000' of storm sewer ranging in size from 12" to 84", water main replacement, roadway reconstruction and rehabilitation, a pump station and new outfall to Des Plaines River. He also prepared plans for reconstruction of Deerfield Road in Deerfield and Highland Park which included complete replacement of the storm sewer system and a new outfall to the Middle Fork of North Branch of Chicago River.
 Mark Thomas / PE / Project Engineer	18/5	Mark is familiar with IDOT standards and has experience working with IDOT, the Tollway, and local municipalities. His experience includes preparation of plans, specifications and estimates for a variety of projects including ponds and storm sewer improvements, municipal streets, water main, bike paths, and highways. Recently completed municipal projects include water main replacement, intersection improvements and resurfacing of Plainfield Road in Darien, 108th Avenue Bike Path in Orland Park, Dundee Road Pedestrian Path in Wheeling, and two flood improvement projects in Elmhurst.

STAFFING

Name/Registration/ Title	Yrs Exp/ @Firm	IDOT/Municipal Project Experience
 Nick Morel / PE / Project Engineer	13/13	Nick is experienced in site civil, roadway, streetscape, utility, and stormwater improvement projects. His responsibilities include plan preparation, producing project specifications and cost estimating. Nick has designed projects for Elmhurst, Lombard, Rosemont, Lake County, Cary, Orland Park, and Huntley. Recent projects include: Huntley Downtown Streetscape and Huntley Retail Development; Madison Early Childhood Stormwater Improvements in Elmhurst; South Pearl Street Extension and Barry Street Synthetic Turf Soccer Field for Rosemont; Orchard Place Bridge Replacement for Des Plaines; and Peterson Road Reconstruction for LCDOT.
TRAFFIC		
 G. Michael Ziegler / PE, PTOE / Traffic Operations Department Head	32/22	Mike is responsible for projects involving traffic signal and system design, Intersection Design Studies, Signal Coordination and Timing Studies (SCAT), traffic operations analysis, signal system timing implementation and monitoring, and general traffic engineering studies. He has managed projects for IDOT, LCDOT, CCDOTH, and several local municipalities including Lombard, Bartlett, Naperville, Lake Forest, Evanston, Rolling Meadows, Orland Park, Oak Lawn, and Chicago Ridge. Mike has established a strong rapport with IDOT's Bureau of Local Roads and Streets, Bureau of Traffic Operations, and Bureau of Programming staff and has a thorough understanding of the requirements of CMAQ and STP funded projects.
 Frank Nemes / PE, PTOE / Traffic Operations Project Manager	22/21	Traffic Engineer involved in projects with traffic signals, signal coordination and timing (SCAT), and traffic operations analysis. Mr. Nemes' responsibilities include preparation of intersection design studies, traffic impact studies, traffic signal warrant analyses, railroad sequences, isolated intersection capacity analysis, and development of closed system signal timings. Projects include: IDOT Districts 2-5, PTB 162-035 SCAT studies, IDOT Districts 6-9, PTB 158-38 SCAT studies; IL Route 53 at Madison Street IDS for Lombard; Cook County Highway Department Multiple SCAT projects and SCAT Monitoring; traffic signal warrant analysis and intersection design study US Route 52 for D'Arcy Volkswagen; traffic signal warrant analysis IL Route 64 & Pearl/Western for Glendale Heights.

STAFFING

Name/Registration/ Title	Yrs Exp/ @Firm	IDOT/Municipal Project Experience
 Liz Jensen / PE / Traffic Operations Engineer	6/5	Traffic Engineer with experience in Phase II traffic signal design, intersection design studies, intersection capacity analysis, and traffic operations analysis. Ms. Jensen has experience designing signals according to Federal funding standards for IDOT District 1, Will County, Cook County, Lake County, Kane County, and various municipalities. More complex projects have included railroad interconnect, Ethernet traffic signal networks, adaptive signal control, queue detectors, contact closure communication as well as an overheight vehicle detection system. Recent projects include: Traffic Signal Modernization at IL 50 and Southwest Highway for IDOT Bureau of Traffic; Adaptive Signal Control Installation along Aptakisic Road Corridor for LCDOT; Traffic Signal Modernization and Interconnect along Deerfield Road for Village of Deerfield and City of Highland Park; IL 120 Traffic Signal Modernization and Interconnect for LCDOT; and Traffic Signal Modernization for Des Plaines River Road at I-190 WB Ramps/Rosemont CTA Entrance for Village of Rosemont.
LIGHTING/ELECTRICAL/MECHANICAL		
 John Caruso / PE / Mechanical/ Electrical Department Head	29/29	John's experience is concentrated in design and construction observation services related to roadway lighting/electrical systems, potable water supply facilities and wastewater and stormwater control pumping stations. He has performed as design and resident engineer for a variety of pump station projects. This field experience together with his design experience provides him with the ability to execute complete project designs. John has performed pump station projects for numerous municipalities including Lombard, Rosemont, Glendale Heights, Chicago Heights and numerous private sector clients. John performs water model analyses using WaterGems, Infowater, WaterCAD and EPANET.
 Katrina Ballado / PE, LEED AP / Project Manager	14/14	Katrina has experience in a wide array of design and construction projects focusing on roadway lighting applications. Her experience includes design of roadway/site lighting, lighting/electrical for recreational facilities, wastewater facilities, sanitary lift stations, potable water pump stations, generator applications, and irrigation designs. Recent Projects include: Fairview Lift Station – Lombard; IL Route 53 Storm Water Pump Station – Lombard; Well No. 10 Potable Water Pump Station Improvements – New Lenox; Plant No. 2 Potable Water Works Improvements – Darien; Well No. 9 – Sycamore; CDOT Lawrence Avenue and Devon Avenue Streetscape lighting projects.

STAFFING

Name/Registration/ Title	Yrs Exp/ @Firm	IDOT/Municipal Project Experience
 Anthony DeRicco / PE, LEED AP, LC / Electrical Section Head	26/17	Tony is responsible for projects involving electrical and exterior lighting applications. He has designed a variety of projects ranging from roadway, tunnel, walkway/bikeway, parking lot and site lighting; wastewater and storm/flood control pumping stations; emergency generators and recreational park lighting and irrigation. Tony is very familiar with IDOT roadway lighting design requirements including lighting design guides such as ANSI/IESNA RP-8-00 “Roadway Lighting”, RP-22-11 “Tunnel Lighting”, RP-33-99 “Lighting for Exterior Environments”, as well as performing a wide array of photometric calculations using several computer programs. He completed a lighting study and inventory for the City of Elgin. Recent projects include Balmoral Avenue Extension Stages 2 & 3 for Rosemont, Wilson Street for Batavia, I-294 Exit Ramp Toll Plaza at Balmoral Ave in Rosemont, Prospect Ave. Streetscape/LED Lighting for Mount Prospect, Riverside Park for Aurora, Spartan Drive LED Lighting and irrigation for Elgin, Lockport Streetscape for Plainfield, Uptown Redevelopment Lighting and Streetscape for Park Ridge, IL Route 47 Lighting for Huntley, IL Route 59 and US Route 52 Lighting for Shorewood, Lawrence Avenue Streetscape for Harwood Heights.
 Gerald Hennelly / Senior Project Manager	32/21	Gerry is experienced in design of electrical and mechanical projects, as well as performing construction observation and final review of completed projects. Gerry’s responsibilities include design and coordination of various types of mechanical and electrical projects, including potable water pumping stations, stormwater pumping stations, wastewater lift stations, SCADA design, street lighting installations, recreation and sports lighting installations, recreational park designs, and general public works building improvements.
 Mark Emory / PE / Pumping Applications Section Head	41/21	Mark has extensive experience in engineering projects in the fields of potable water systems, wastewater collection and treatment, storm water and pumping system applications. Experienced in civil, mechanical and electrical engineering disciplines. Projects include the Riverside 63 Pine Pump Station, the Gregg’s Landing Milwaukee Road Lift Station Control Building, and the Hillside-Berkeley Water Commission Generator Replacement project.

STAFFING

Name/Registration/ Title	Yrs Exp/ @Firm	IDOT/Municipal Project Experience
 David Sulkowski / PE / Senior Civil Engineer	42/22	Dave has extensive experience in a broad range of projects including the planning, review, analysis, and design for municipal projects primarily related to water supply and wastewater collection, from small rehabilitation/replacement projects to major extensions of water and sewer systems. Representative projects include the Hillside Berkeley Water Commission $5 million Water Transmission Main project; Hawthorn Woods Midlothian Road Corridor Sanitary Sewer project; the concept study to provide water and sanitary service to the unincorporated Medinah Area in DuPage County; and the Village wide water metering equipment feasibility study for Glendale Heights.
 Kevin Baldwin / PE / Mechanical Engineer	11/11	Kevin's experience is focused on pumping stations and water distribution system modeling along with knowledge of HVAC, electrical, roadway/site lighting, SCADA and irrigation design. Project responsibilities include initial design process, evaluating design and modeling scenarios, creating layout exhibits, preparation of construction plan drawings and specifications, developing cost estimates, construction observation, and shop drawing reviews. Projects include Excess Flow Improvements and East Main Pump Station Facility Improvements for Lake County Public Works Department; Well No. 10 Pump Station Improvements for the Village of New Lenox; Potable Water Pump Station Upgrades, Hillside-Berkeley; and the South Booster Station for the Village of Lombard. Recent Water modeling scenarios performed for the Village of New Lenox, Village of Shorewood, Village of Lincolnwood, Village of Bensenville, City of Wheaton, and Cornerstone Development in Grayslake.

TAB 4
VILLAGE REQUIRED FORMS

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 9/27/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Donne Insurance Group, Inc
7777 W. 159th Street
Suite B
Tinley Park IL 60477

CONTACT NAME: Gail Pope
PHONE (A/C, No, Ext): (708) 429-3100 FAX (A/C, No): (708) 429-3105
E-MAIL ADDRESS: Gail.Pope@DonneInsurance.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: The Phoenix Ins Co	25623
INSURER B: Travelers Ind Co Of Con	25682
INSURER C: The Travelers Ind Co	25658
INSURER D: Travelers Casualty & Surety	19038
INSURER E:	
INSURER F:	

INSURED
Christopher B. Burke Engineering Ltd.
9575 W. Higgins Road
Suite 600
Rosemont IL 60018

COVERAGES **CERTIFICATE NUMBER:** 2017-2018 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR X Blanket Contractual Liab GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT X LOC OTHER:			680-3H482979	10/15/2017	10/15/2018	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 300,000 $ 10,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
B	AUTOMOBILE LIABILITY X ANY AUTO X ALL OWNED AUTOS X SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS			BA-6760L521	10/15/2017	10/15/2018	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
C	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED X RETENTION $ 10,000			CUP-2C769665	10/15/2017	10/15/2018	EACH OCCURRENCE AGGREGATE	$ 10,000,000 $ 10,000,000
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		UB-7639Y370	10/15/2017	10/15/2018	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
General liability policy includes blanket additional insured status, primary and non-contributory coverage and waiver of subrogation per form CG D3 81 09 07. Workers compensation policy includes waiver of subrogation per form WC 00 03 13. Automobile liability policy includes blanket additional insured status per form CA 20 48 02 99 and waiver of subrogation per form CA T3 40 02 99.

CERTIFICATE HOLDER
Proof of Coverage

CANCELLATION
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
W Donne, CPCU, ARM/GA William A. Donne

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 5/18/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Shawna Zamora
Assurance Agency, Ltd. One Century Centre 1750 E. Golf Road Schaumburg, IL 60173	PHONE (A/C, No, Ext): (847) 463-7120 FAX (A/C, No): (847) 220-9234 E-MAIL ADDRESS: szamora@assuranceagency.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Starr Surplus Lines Insurance Compa	
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED	
Christopher B. Burke Engineering, LLC PNC Center 115 W. Washington Street Indianapolis IN 46204	CHRIBBU-01

COVERAGES **CERTIFICATE NUMBER:** 723869056 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
	☐ CLAIMS-MADE ☐ OCCUR						MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
							GENERAL AGGREGATE	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$
	☐ POLICY ☐ PRO-JECT ☐ LOC							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ☐ NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	☐ UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	☐ EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N						WC STATU-TORY LIMITS ☐ OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐	N/A					E.L. EACH ACCIDENT	$
	(Mandatory in NH)						E.L. DISEASE - EA EMPLOYEE	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	$
A	Professional Liability			SLSLPRO26220017	6/1/2017	6/1/2018	Each Occurrence General Aggregate	$1,000,000 $2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

The limits shown above are for the entire practice policy and are not dedicated to any single project. - Proof of Insurance Only

CERTIFICATE HOLDER

Proof of Coverage
-

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Daniel G. Kfarazo

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1.	Case Name	Derek Brettman v. Texana Pickle Producers, et al.
	Case #	15 LA 76
	Court	McHenry County Circuit Court, IL
	Basis	Car Accident
	Outcome	Pending

2.	Case Name	Maureen Burd v. Village of Elmwood Park, et al.
	Case #	2014 L 06014
	Court	Circuit Court of Cook County, IL
	Basis	Pedestrian Fall
	Outcome	Pending

3.	Case Name	Bettenhausen v. Plote
	Case #	2016 L 1956
	Court	In the Circuit Court of Cook County, Illinois
	Basis	Complaint filed 2/24/16 Construction worker accident
	Outcome	Pending

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [1] Design Engineering
- [ ] Wastewater Improvements
- [ ] Stormwater Engineering
- [ ] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: 

Print Name .....: Michael Kerr

Position/Title.....: Executive Vice President

Company Name ...: Christopher B. Burke Engineering, Ltd.

Address line 1 .....: 9575 W. Higgins Road, Suite 600

Address line 2 .....: Rosemont, IL 60018

Telephone.....: 847-823-0500

OCTOBER 19, 2017

BENSENVILLE
GATEWAY TO OPPORTUNITY

RESIDENT ENGINEERING

SUBMITTED TO:
JOSEPH M. CARACCI, PE
DIRECTOR OF PUBLIC WORKS
VILLAGE OF BENSENVILLE
717 E. JEFFERSON STREET
BENSENVILLE, IL 60106

SUBMITTED BY:
MICHAEL KERR, PE
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 WEST HIGGINS ROAD | SUITE 600
ROSEMONT, IL 60018
mkerr@cbbel.com



CHRISTOPHER B. BURKE ENGINEERING, LTD.

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX (847) 823-0520

October 19, 2017

Village of Bensenville
717 E. Jefferson Street
Bensenville, IL 60106

Attention: Mr. Joseph M. Caracci, PE, Director of Public Works

Subject: Statement of Qualifications for Civil Engineering Services
Resident Engineering

Dear Mr. Caracci:

Christopher B. Burke Engineering, Ltd. (CBBEL) is pleased to submit one original, four copies and one electronic copy of our statement of qualifications. The material presented is in compliance with the guidelines indicated in your request. The Statement of Qualifications and Consultant Evaluation forms are also included in our submittal.

The contact person for this proposal is Mr. Michael Kerr, PE, Executive Vice President in our Rosemont office. Mike can be reached at (847) 823-0500 to answer any of your questions.

We trust the information presented demonstrates our ability to provide the necessary engineering services for this category. CBBEL appreciates the opportunity to be considered for this work and we look forward to continuing our working relationship with the Village of Bensenville.

Sincerely,

Christopher B. Burke, PhD, PE, D.WRE, Dist.M.ASCE
President

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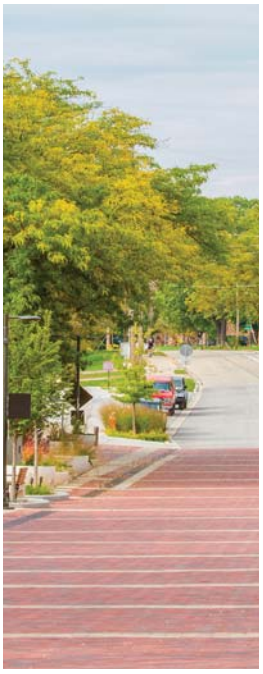
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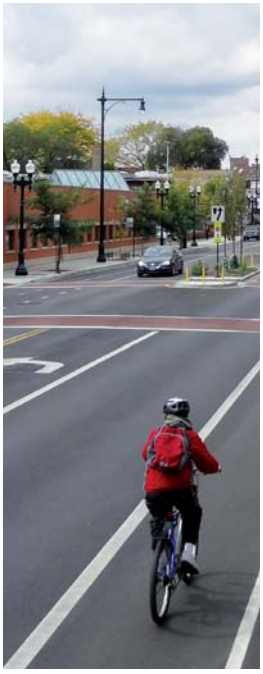
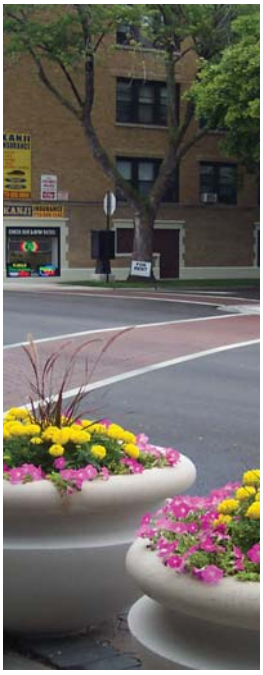
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TAB 1
INTRODUCTION

FIRM EXPERIENCE

FIRM HEADQUARTERS

Christopher B. Burke Engineering, Ltd. (CBBEL)
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
T: 847.823.0500 | F: 847.823.0520
cbbel.com

Christopher B. Burke Engineering, Ltd. (CBBEL) is unique among consulting engineering and surveying firms in that we are a full-service company that can comprehensively meet the needs of both private and public sector clients. Guided by founder and President Christopher B. Burke, our "family business" corporate philosophy allows for a level of personal service that ensures peace of mind. Our Illinois based staff of 207 and expansive list of specializations—civil, municipal, transportation, water resource, mechanical, structural, construction, traffic, and environmental engineering and environmental resource services—provide professionalism and a depth of expertise that promote project success.

(Please refer to the Design Engineering Submittal for comprehensive Firm Experience)

86 LICENSED PROFESSIONALS

TOTAL STAFF **207**

31 YEARS IN BUSINESS

13 DIVERSE DEPARTMENTS (LOCAL STAFF):	
REVIEW AND INSPECTIONS	6
CIVIL ENGINEERING DESIGN	29
SURVEYING (4 CREWS)	12
ENVIRONMENTAL RESOURCES	17
CONSTRUCTION ENGINEERING	36
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Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

April 28, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Christopher Burke
BURKE, CHRISTOPHER B. ENG., LTD.
9575 W. Higgins Road
Suite 600
Rosemont, IL 60018

Dear Christopher Burke,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $61,600,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 123.20% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR BURKE, CHRISTOPHER B. ENG., LTD.

CATEGORY	STATUS
Special Services - Electrical Engineering	X
Environmental Reports - Environmental Assessment	X
Special Services - Mechanical	X
Special Studies - Traffic Signals	X
Special Services - Sanitary	X
Hydraulic Reports - Waterways: Complex	X
Special Studies - Feasibility	X
Highways - Roads and Streets	X
Hydraulic Reports - Pump Stations	X
Special Services - Construction Inspection	X
Hydraulic Reports - Waterways: Typical	X
Special Studies - Location Drainage	X
Special Studies - Pump Stations	X
Environmental Reports - Environmental Impact Statement	X
Special Services - Surveying	X
Special Studies - Traffic Studies	X
Special Studies - Lighting: Typical	X
Special Studies - Safety	X
Highways - Freeways	X
Location Design Studies - New Construction/Major Reconstruction	X
Special Studies - Lighting: Complex	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Location Design Studies - Rehabilitation	X
Structures - Highway: Simple	X
Special Services - Landscape Architecture	X
Special Studies - Signal Coordination & Timing (SCAT)	X
Structures - Highway: Typical	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

TAB 2
PROJECT EXPERIENCE

PROJECT EXPERIENCE

Included in this Statement of Qualifications (SOQ) is our project experience related to Phase III – Resident Engineering services, construction staking, construction inspection / observation, documentation of quantities, material inspections, preparation of record drawings, and preparation of pay estimates, change orders, and other project related documentation. Our Resident Engineering experience includes the various types of construction projects that the Village of Bensenville awards, including, but not limited to, roadway rehabilitation, sewer/water main installation, storm water improvements, traffic signal modernizations, and electrical/mechanical improvements (lift stations, street lighting, etc.)

All of the below listed projects are IDOT, District One or Municipal projects under contract from January 1, 2012 to the present date. Christopher B. Burke Engineering, Ltd. (CBBEL) understands the importance of our municipal clients and we strive to meet their special demands. We encourage you to contact the client contacts listed below.

All of the projects included in this section have been completed by current CBBEL staff members.

Project / Client	Chicago Avenue / Sheridan Road Improvement Project / City of Evanston
Scope of Work /	The project included 0.46 miles of resurfacing Chicago Avenue in downtown Evanston and 0.76 miles of full pavement reconstruction and 0.65 miles of resurfacing on Sheridan Road to the Evanston City limit. The improvements consisted of resurfacing Chicago Avenue and reconstructing Sheridan Road in the City of Evanston. The net length of improvements was 1.87 miles constructed from Spring 2017 to Fall 2018. Chicago Avenue construction included HMA resurfacing with new traffic signals and a protected bike lane. Sheridan Road construction in 2017 included 3 to 4 lanes of PCC reconstruction with new protected bike lanes and traffic signal improvements. Sheridan Road construction in 2018 included 3,000 LF of water main replacement and roadway resurfacing. New items related to the protected bike lanes included bicycle traffic signals and radar detection. Additional work included new traffic signals at four intersections, ADA improvements, storm sewer replacement, and landscaping. The project was on an accelerated schedule in order to accommodate Northwestern University school calendar and was funded with Federal, ITEP, and Local funds. PHASE III SERVICES INCLUDED: • Review of Shop Drawings and Submittals • Construction Observation including verification of the Contractor is in conformance with the Contract Documents, inspection of traffic control, inspection of erosion control measures, witnessing water main testing, and measurement of quantities • Reviewing and make recommendation on changes to the Contract for City approval

PROJECT EXPERIENCE

	• Preparation of Weekly Updates for the City • Acting as City's Liaison with Northwestern University • Providing documentation monitoring the Contractor's progress • Preparation of Pay Estimates for City's Approval
Contractor / Client POC	Plote Construction, Inc. / Sat Nagar, PE (847) 980-3393
Project Team	Michael Kerr, PE – Project Manager Kevin Wilson, PE – Resident Engineer
Construction Cost / Fee / Funding / Year	$10.7 Million / $980,000 Federal / ITEP / Local / 2017

Project / Client	Madison Street Reconstruction & Streetscape and Madison Street Resurfacing / Village of Forest Park & Village of River Forest
Scope of Work /	Madison Street Reconstruction & Streetscape and Madison Street Resurfacing were designed constructed as two projects. The Madison Street Streetscape project in the Village of Forest Park and River Forest was reconstructed to address the pavement deterioration, drainage issues and implement a streetscape that would be pedestrian friendly. The third of a mile-long road between Des Plaines Ave and Park Ave, was completely reconstruction to include intersection bumpouts and landscaped medians. The pavement was reconstructed with HMA full depth pavement in four stages in order to keep one lane in either direction open at all times. As part of the streetscape brick pavers were installed along the new sidewalk, bumpouts and along the perimeter of the medians. New decorative light poles were installed to provide pedestrian lighting and add more aesthetic interest to the roadway. Other streetscape features included planter boxes, planted medians, pedestrian benches, and trash receptacles. The project also included an 880 LF watermain upgrade to the Forest Park system including new services. Updates to the storm (combined) sewer were also done on both municipalities systems. The Madison St. Resurfacing project extended from the limits of the Reconstruction project to Harlem Ave. The project also included updating intersections to be ADA compliant by removing and replacing the sidewalk and curb. Both projects included new decorative stop signs and pavement textured crosswalks to aesthetically tie these two projects together.
Contractor / Client POC	Alliance Contractors, Inc. / J.A. Johnson Paving / Tim Gillian, Village Administrator, (708) 615-6201 – Forest Park Jeff Loster, Development Engineer (708) 366-8500 – River Forest
Project Team	Mike Matkovic, PE – Project Manager Phase I James Amelio, PE – Project Manager Phase II

PROJECT EXPERIENCE

	W. Daniel Crosson, PE – Project Manager Phase III Tracy Wais, PE – Resident Engineer Gerald Hennelly – Lighting
Construction Cost / Fee / Funding / Year	$3,580,000 / $750,000 / Fee [Phase I $122,000] [Phase II $161,000] [Phase III $289,000 / $86,000] ITEP/STP/Local / 2015-2016

Project / Client	Walnut/Myrtle/Evergreen Stormwater Improvements / Village of Elmhurst
Scope of Work /	The Walnut/Myrtle/Evergreen Stormwater Improvement Project was designed to reduce frequent, severe residential flooding by constructing a relief sewer to handle overflows from the existing storm sewer system, and drain them into the Elmhurst Quarry Flood Control Facility. The project was constructed in 2016 and consists of the installation of approximately 4,000 LF of storm sewer ranging in size from 60 to 72" in diameter. Additionally, approximately 800 LF of new water main and 1,200 LF of new sanitary sewer were also constructed as part of this project. The proposed project provides a 100-year level of flood protection for 52 homes located in the northwest section of the City. These homes experienced overland flooding during the severe storm events of June 2010, July 2010 and April 2013. The pipe serves as a relief sewer that handles overflow from the existing storm sewer and conveys it to the Elmhurst Quarry, which is owned and operated by DuPage County as a flood control reservoir on Salt Creek. CBBEL provided a full range of engineering services for this project, including topographic survey, hydrologic and hydraulic modeling, preliminary engineering, final engineering, bid assistance, and construction observation. This project also involved extensive coordination with the DuPage County Department of Stormwater Management and also included permitting through that agency. Construction services included: ▪ Full time construction observation ▪ Daily Coordination with residents ▪ Project coordination with Nicor, AT&T, and DuPage County Stormwater Management ▪ Documentation as outlined in IDOT's Project Procedures Guide ▪ Processing of all permit related paperwork for DuPage County Stormwater Management
Contractor / Client POC	Bolder Contractors / Kent Johnson (630) 530-3000
Project Team	W. Daniel Crosson, PE – Project Manager

PROJECT EXPERIENCE

	Patrick Kielty, PE – Resident Engineer Luke Sherry, PE – Water Resources Engineer
Construction Cost / Fee / Funding / Year	 $4,700,000 / $300,000 Local / 2015-2016

Project / Client	Flood Mitigation Project / Village of Elmwood Park
Scope of Work /	The goals of the Elmwood Park Flood Mitigation Project were to reduce both overland and basement flooding by restoring the natural drainage condition that existed 100 years ago; significantly reduce combined sewage discharged by the MWRDGC into the Des Plaines River; greatly reduce the volume of storm water needed to be treated, create a reservoir for storm water on the Oak Park Country Club property to be pumped into the river; and strive to remove more than 50 homes from the flood plain map. The new storm sewers vary in size from 12" in diameter to 3'x 12' box culverts with a total length of approximately 40,000'. The storm sewers collect storm water and convey it to a newly constructed 14-acre-foot detention reservoir in the Oak Park Country Club. A 30" storm sewer conveys low flows to an existing Des Plaines River tributary. Storm flows in excess of the 30" storm sewer capacity are pumped to an outlet structure that was constructed at the Des Plaines River. The project also involves the construction of a floodwall along the west side of Thatcher Avenue that will prevent Des Plaines River overbanking from reaching several residences in the Village, thereby removing them from the flood plain. Due to the antiquated condition of many of the water mains throughout the Village, the replacement of approximately 20,000' of water main was undertaken as part of this project by taking advantage of the opened streets. The project involved coordination with Metra and IDOT to jack 3 – 48" diameter sewers under the Metra west line and an 84" diameter sewer beneath Grand Avenue. Coordination and permitting from several agencies including the USACE, IEPA, MWRD, Soil and Water Conservation District, and Forest Preserve District of Cook County was required. Construction of the improvements, which involved 6 separate projects, was completed in 2015. Services Included: CBBEL completed the drainage calculations and hydraulic modeling, prepared plans and specifications, coordinated with utility companies, permitting agencies, acquisition of easements, and provided construction engineering services.
Contractor / Client POC	Multiple / Paul Volpe, Village Manager / (708) 452-3913
Project Team	W. Daniel Crosson, PE – Project Manager Daniel Schroeder, EI – Project Engineer

PROJECT EXPERIENCE

	John Caruso, PE – Mechanical Project Manager
Construction Cost / Fee / Funding / Year	$34,000,000 / $3,900,000 – Prelim Eng. $1,000,000, Design $850,000, Const. Eng. $2,100,000 Local, MWRD & IEPA / 2012-2015

Project / Client	2014 - 2017 Water Main Replacement / Village of Clarendon Hills
Scope of Work /	The existing residential water main are old and developing numerous water main breaks in the recent cold winters. It had become unreliable and the residents were frustrated with their water being turned off frequently. The improvements consisted of replacing approximately a mile of 6-inch water main with new 8" water main in 2014; 7000 feet of 6-inch water main with new 10-inch water main in 2015; 5000 feet of 6-inch water main with new 10-inch water main in 2016 and replacing approximately 1600 feet of 10-inch, 8-inch and 6-inch water main in 2017. The improvements also consisted of providing new valves & vaults, and removing/installing new fire hydrants. An existing secondary water connection was replaced by directionally drilling a new larger pipe through two resident's side yards. In 2014, 97 homeowners; 166 homeowners in 2015; and 110 homeowners in 2016 and 12 homeowners in 2017 received new 1.5" copper water service pipe which will meet any future water demand they may need. The work was coordinated with the planned annual Street Program during the restoration of the project. The residents now have new streets, concrete shoulders and driveway aprons too. The projects started in the spring and were completed in the fall. Services included: ▪ Review of shop drawings and submittals ▪ Construction observation including verifying the contractor is in conformance with the Contract Documents, inspecting traffic control, inspecting erosion control measures, witnessing water main testing and chlorination, and measuring up quantities. Provide documentation monitoring the Contractor's progress. ▪ Prepared weekly updates for Village's website and prepared flyers for the residents ▪ Served as the Village's liaison with residents ▪ Prepared pay estimates and proposed contract modifications for the Village's approval ▪ Prepared field notes of improvements that were incorporated into a set of record drawings for the Village
Contractor / Client POC	J. Congdon Sewer Service, Inc. [2017], Gerardi Sewer & Water [2016], Gerardi Sewer & Water [2015], Acqua Corp. [2014] / Michael Millette, Director of Public Works (630) 286-4750

PROJECT EXPERIENCE

Project Team	Lee Fell, PE – Project Manager William Sprague, EI – Resident Engineer
Construction Cost / Fee / Funding / Year	$350,000 [2017], $1,398,000 [2016], $1,570,000 [2015], $930,000 [2014] / $46,000 [2017], $127,500 [2016], $107,500 [2015], $83,500 [2014] Local / 2017 - 2014

Project / Client	35th Street and St. Paschal Drive / Village of Oak Brook
Scope of Work /	The St. Paschal/35th Street Resurfacing and Shoulder Widening Project (St. Stephens Green to Oak Brook Road) within the Village of Oak Brook was a federally funded STP project. Work consisted of approximately 1.2 miles of HMA resurfacing including the construction of a 4.5' wide HMA bike shoulder on each side of the roadway to provide connectivity of existing bike routes between 35th Street and 31st Street. Project also included ditch regrading, storm sewer culvert replacement, guardrail installation, ADA improvements, full depth pavement patching, and thermoplastic pavement markings. CBBEL provided a full-time Resident Engineer. The Resident Engineer's duties included documentation as outlined in IDOT's Project Procedures Guide including the implementation of IDOT's computer based ICORS. CBBEL coordinated throughout the project with the Illinois Department of Transportation, DuPage County Division of Transportation, DuPage County Forest Preserve District, Contractor, residents, Village Engineering Staff and Public Works.
Contractor / Client POC	Central Blacktop / Doug Patchin, Public Works Director (630) 368-5272
Project Team	W. Daniel Crosson, PE – Project Manager Scott Soderstrom, PE – Resident Engineer
Construction Cost / Fee / Funding / Year	$1,200,000 / $115,000 STP, MFT, Local / 2015

Project / Client	IL Route 58 & New Wilke Road Reconstruction / City of Rolling Meadows
Scope of Work /	This project includes reconstruction of IL Route 58 (Golf Road) from the I-90 overpass to Meijer Drive and New Wilke Road from Golf Place to the south limit at I-90, which will add a thru lane and several left and right turn lanes at the intersections with New Wilke Road and Tower Drive to provide more capacity at these intersections. The improvements consist of 23,400 SY of 10" Jointed PCC Pavement, 4,400 SY of 9" Jointed PCC Pavement, HMA bike path, PCC sidewalks, and retaining walls. The project includes traffic signal modernization at both intersections, interconnect, and

PROJECT EXPERIENCE

Contractor / Client POC	installation of a new storm sewer system. Construction is staged across 3 phases in order to maintain access to the numerous office towers and the high volume of traffic in this heavily used section of Golf Road. Martam Construction / Fred Vogt, Public Works Director (847) 963-0500
Project Team	W. Daniel Crosson, PE – Project Manager Patrick Kielty, PE –Resident Engineer Ryan Lindeman, PE – Resident Engineer
Construction Cost / Fee / Funding / Year	$5,300,000 / $315,000 FAUS / 2013

Project / Client	Crescent Avenue / Cambridge Avenue Stormwater Improvements / Village of Elmhurst
Scope of Work /	The Crescent Cambridge Stormwater Improvement Project was designed to reduce frequent, severe residential flooding by constructing a relief sewer to handle overflows from the existing storm sewer system, and drain them into a new 10.8 acre feet stormwater basin in York Commons Park The project started constructed in 2016 and consists of the installation of approximately 2,000 LF of storm sewer ranging in size from 48 to 12" in diameter. Additionally, the new storm sewer had to be bored under the CN Railroad tracks. Twin 36" Steel Casing Pipes were installed separated by 3 feet. There pipes connected the new relief sewers on Crescent Street to the detention basin in the park. The proposed project provides a 100-year level of flood protection for 40 homes located in the south central section of the City. These homes experienced overland flooding during the severe storm events of June 2010, July 2010 and April 2013. The new storm sewers will serve as a relief sewer that handles overflow from the existing storm sewer and conveys it to the Detention Basin at York Commons Park which is owned by the Elmhurst Park District. CBBEL provided a full range of engineering services for this project, including topographic survey, hydrologic and hydraulic modeling, preliminary engineering, final engineering, bid assistance, and construction observation. This project also involved extensive coordination with the City of Elmhurst Park District, who owns the land that the proposed basin is on. Construction services included: ▪ Full time construction observation ▪ Daily Coordination with residents ▪ Project coordination with Nicor, AT&T, and DuPage County

PROJECT EXPERIENCE

	Stormwater Management ▪ Documentation as outlined in IDOT's Project Procedures Guide
Contractor / Client POC	Swallow Construction Corp. / Kent Johnson (630) 530-3000
Project Team	W. Daniel Crosson, PE – Project Manager Patrick Kielty, PE – Resident Engineer Tracy Wais, PE - Inspector Luke Sherry, Mark Thomas – Design Team
Construction Cost / Fee / Funding / Year	$2,108,000 / $195,000 Local / 2016-2017

Project / Client	North Main Street Flood Control / City of Wheaton
Scope of Work /	The project involved construction of a single span concrete bridge to replace deteriorated metal culverts that were undersized and not able to convey Winfield Creek under Main Street in the City of Wheaton. The area has experienced road overtopping a number of times in the past 30 years, which has contributed to various properties being inundated. In addition to bridge construction, 350 linear feet of concrete retaining walls with a height of 9 feet were also constructed on metal pipe pile foundations due to poor soil conditions. In stream channel modification work consisted of installing 500 square yards of concrete channel bottom to convey the creek flow under the new bridge. Roadway reconstruction of the pavement, curb, sidewalk, reinforced concrete bridge approaches, utility relocation of gas main, water main, underground fiber optic ducts, along with traffic signal and street lighting were completed as part of the project. Storm sewer and sanitary sewer improvements were also addressed during construction.
Contractor / Client POC	Copenhaver Construction / Sarang Lagvankar, PE, Senior Project Engineer (630) 260-2067
Project Team	W. Daniel Crosson, PE – Project Manager Ryan Lindeman, PE – Resident Engineer William Schultz, EI – Resident Engineer
Construction Cost / Fee / Funding / Year	$1,950,000 / $237,000 City Funding / 2013

PROJECT EXPERIENCE

Project / Client	Edgewood Drive (IL Route 31 to Hanson Road) / Village of Algonquin
Scope of Work /	This project included the demolition and replacement of the simple span steel beam and concrete deck bridge structure at Ratt Creek, removal of existing triple 84" diameter CMP culverts at the Ratt Creek Tributary and replacement with 12' x 8' Precast Concrete Box Culvert, approximately 500' of concrete retaining wall with decorative cast liner providing a natural stone relief, complete new storm sewer and sanitary sewer systems, 5100' of roadway reconstruction and widening with vertical profile realignment, fly ash soil subgrade modification, an 8' wide bike path, thermoplastic pavement striping, tree planting, and native vegetative landscape restoration.
Contractor / Client POC	Copenhaver Construction / Bob Mitchard, Public Works Director (847) 658-2754
Project Team	W. Daniel Crosson, PE – Project Manager Ryan Lindeman, PE – Resident Engineer
Construction Cost / Fee / Funding / Year	$3,100,000 / $400,000 Federal & Local / 2012

TAB 3
STAFFING

STAFFING

CBBEL has included resident engineers, inspectors, and technicians with varying years of experience so that we can provide the Village with the most qualified team for the specific project in the most cost-effective manner.

A team organizational chart, which includes our construction department and multi-disciplined staff, has been included in this section illustrating the general structure of a unified project team with the ability to give personal attention to the Village. We have included staff biographies of our resident engineers, inspectors as well as additional staff specializing in traffic signals, structural, survey, environmental and lighting systems.

RESIDENT ENGINEERING SHORT LIST QUALIFICATIONS

The key personnel designated in this SOQ possess the skills and expertise to successfully complete the anticipated project. Our Construction Engineering Department is prequalified by IDOT for construction inspection and survey and is comprised of civil engineers, construction managers, and technicians. Our department of 36, including 14 professional civil engineers and seven EI's is familiar with the many facets of engineering that are required for public improvement projects. Our additional staff is well versed in the construction of civil engineering projects and most of our staff is certified by IDOT in one or several of the following areas:

- IDOT Documentation
- ICORS Training
- Mistic Database Training for RE Visuals
- Materials Management of Job Sites
- PCC Level I and/or Level II
- Bituminous Concrete Level I and/or Level II

These courses allow our RE's to understand IDOT's guidelines, which the Village follows, for material inspection and documentation which allows us to finalize and complete projects in a timely manner.

In addition, our department is familiar with the various sources of funding including STP, LAPP, ARRA, MFT, CDBG and CMAQ, and what is required for each of these funding sources. If local funds are used, we follow the guidelines in IDOT's Construction Manual and specific requirements of the Local Agency.

BENSENVILLE
GATEWAY TO OPPORTUNITY

OVERALL PROJECT MANAGER

W. Daniel Crosson, PE

RESIDENT ENGINEERS

Kevin Wilson, PE
Patrick Kielty, PE
Vincent Wroblewski, EI
Tracy Wais, PE
Scott Soderstrom, PE

PROJECT ENGINEERS

Nicole Lehmann, PE
Eric Taraska
NicholasTremmel, PE
William Schultz, EI
Razvan Calin
William Sprague, EI
Rebekkah Carney
Daniel Schroeder, EI
Boris Vukovic
Kevin Lill, PE
Matthew Slawitschek
Susan Karch, EI

STRUCTURAL

Majid Mobasseri, PhD, PE, SE

ENVIRONMENTAL RESOURCE SPECIALIST

Kurt Hansen

SURVEY / LAYOUT

John Murphy, PE, PLS

TRAFFIC

G. Michael Ziegler, PE, PTOE

ELECTRICAL

John Caruso, PE

CBB

STAFFING

Name/Registration/ Title	Yrs Exp/ @ Firm	IDOT/Municipal Project Experience
OVERALL PROJECT MANAGER AND PHASE III MANAGER		
W. Daniel Crosson / PE / Vice President, Head of Construction Engineering 	32/25	Professional Engineer and Head of the Construction Engineering Department leading a staff of 36 engineers and technicians. Mr. Crosson is the CBBEL liaison for Algonquin, Elmwood Park and Glendale Heights overseeing all phases of engineering for these clients. He also administers all CBBEL's Phase III contracts for CDOT, ISTHA and IDOT. He has previously provided Resident Engineering services to numerous public and private sector clients, including IDOT, ISTHA and the Capital Development Board. Dan has been Project Manager on such projects as Madison Street in Forest Park, Stormwater Improvement projects in the Village of Elmhurst, and North Main Street Flood Control project in the City of Wheaton. Additional projects as Project Manager include Golf & New Wilke Road Reconstruction in Rolling Meadows, and Elmwood Park Flood Mitigation project. He is also the Project Manager for Task Order contracts involving Construction Management services for various Phase III projects for CDOT and all CBBEL Local Agency Projects.
RESIDENT ENGINEERS		
Kevin Wilson / PE / Assistant Department Head 	15/15	Professional Engineer with over 15 years experience in construction engineering. Mr. Wilson has worked on numerous rehabilitation projects including sewer and water main improvements. He is proficient in documentation for various types of funding including LAPP, ARA, MFT, ERP, IEPA loan funding, and CDBG grants. Notable recent projects include 2 miles of Twin Lakes Subdivision Sidewalk Improvements in Villa Park; HMA resurfacing and Brick Pavement reconstruction for the 2016 Road Program (MFT) in Wilmette; 3 miles of PCC pavement reconstruction, lane additions, storm sewer, traffic signals, and other work as the assistant Resident Engineer for IDOT on IL Route 47 in Yorkville; and City of Chicago ADA rehabilitation projects in the South and Far South areas to replace over 50 deficient ADA ramp intersections previously constructed. Kevin is currently the RE in the City of Evanston on the Chicago Avenue / Sheridan Road Improvement project which consists of resurfacing Chicago Avenue in downtown Evanston and 0.76 miles of full pavement reconstruction and 0.65 miles of resurfacing on Sheridan Road to the Evanston City limit.
Patrick Kielty / PE /	41/13	Professional Civil Engineer with 40 years experience in construction engineering. Mr. Kielty has worked on federally funded roadway rehabilitation projects: sewer and water main

STAFFING

Name/Registration/ Title	Yrs Exp/ @ Firm	IDOT/Municipal Project Experience
Senior Construction Engineer 		improvements, traffic signal modernization and interconnect installation, street lighting improvements, and bridge rehabilitations. He is proficient in documentation for various types of funding including STP, LAPP & CMAQ grants, ISTHA, IDOT and the City of Chicago. Most recently, Patrick has been working with the City of Elmhurst. The City of Elmhurst is in the midst of constructing several stormwater improvement projects throughout the City, to provide relief to residential properties in low lying areas. Mr. Kielty has finished the construction of the Myrtle Walnut Evergreen storm sewer system improvement project. Other contracts include the York Commons Detention Facility; and the Madison School Detention Facility. Previous to these contracts, Mr. Kielty worked on an IDOT Federally funded road reconstruction and widening contract in the City of Crystal Lake. This contract included the widening of South Crystal Lake Avenue from Route 14 to Rakow Road, thru the City of Crystal Lake. Prior to that Mr. Kielty worked on several CDOT contracts. The Reconstruction of Ashland at Pershing Road, (cost $12.5 million), ADA Sidewalk Program (cost $3.5 million), and implementing the necessary infrastructure for a Bus Rapid Transit (BRT) system on Jeffrey Blvd from 67th to 103rd Street; and the reconstruction of Ashland Avenue at Pershing Road. He also has worked on the Reconstruction of Golf and New Wilke Road in Rolling Meadows.
Vincent Wroblewski / EI / Senior Construction Engineer 	23/23	Civil engineer with 23 years of experience in Construction Engineering. Mr. Wroblewski has worked as Resident Engineer on numerous MFT, STP, ERP and locally funded projects including projects in Rolling Meadows, Park Ridge, Libertyville, Glendale Heights and Franklin Park. Most recently Vinny has been the RE in the Village of Franklin Park on the I-294 Industrial Park project. Other notable projects include the 2013-2016 MFT Street Improvements for the Village of Libertyville. The projects scope included over $13 Million of roadway improvements on over 120 streets, including reconstruction, rehabilitation and resurfacing. He also provided Phase III engineering services for 2013 and 2014 City of Park Ridge Flood Reduction projects Phase 1 & 2. This project included 10,000 LF of various diameters of storm sewer.
Tracy Wais / PE / Construction Engineer	15/10	Civil Engineer with 15 years of experience, 5 years of design experience and 10 years of construction experience. Ms. Wais has worked as the resident engineer or construction inspector several

STAFFING

Name/Registration/ Title	Yrs Exp/ @ Firm	IDOT/Municipal Project Experience
		resurfacing and reconstruction roadway projects. She has also worked on projects which include traffic signal modernization and interconnect installation, water main installation, flood mitigation projects and bridge reconstruction. Recent projects include Madison Avenue Streetscape and Reconstruction, Elmhurst Flood Mitigation projects, Crescent Cambridge Stormwater Improvement, and Madison Early Child Center Stormwater Improvement, Cumberland Avenue bridge over I-90, Church and Crawford intersection improvements, and Lake Cook Road Bike Path and also signal modernization and interconnect of eight intersections on Chicago Avenue in Evanston.
Scott Soderstrom / PE / Senior Civil Engineer 	36/3	Mr. Soderstrom is experienced in design, construction and maintenance of highways, streets and bridges and inspection of homes. He brings to CBBEL 33 years of experience at IDOT where he was Area Construction Local Agency Engineer for Will County and Southern DuPage County regions for 9 years; and earlier in his IDOT career was Area Traffic Signal Maintenance and Operations Engineer, Senior Construction Resident Engineer and Design and Materials Engineer. Mr. Soderstrom is an experienced Property Inspection Professional and Expert Witness and Case Preparation Consultant, as well as Lieutenant (Retired) of the Civil Engineer Corps of the US Naval Reserve. Mr. Soderstrom is responsible for various construction engineering projects and oversight of Construction Department junior staff. Most recently, Scott has been the Resident Engineer for CBBEL on projects in Oak Brook including St. Paschal/35th Street, the 2014, 2015 & 2016 Paving projects, and the Commerce Drive TCM Sidewalk project; and also in Riverside on the 2014 Street Rehabilitation project and East Burlington Streetscape and Resurfacing project. He leads CBBEL's efforts expediting work through the IDOT process.
PROJECT ENGINEERS		
Nicole Lehmann / PE / Construction Engineer	16/15	Professional Civil Engineer with 16 years experience in construction engineering. Ms. Lehmann has provided Resident Engineering services on numerous projects for various clients including IDOT, ISTHA and Chicago Department of Transportation (CDOT). Project work experience includes roadway rehabilitation projects, sewer and water main improvements, MFT road restoration projects, traffic signal modernization and interconnect installation, and street lighting improvements. She is proficient in the required documentation for various types of

STAFFING

Name/Registration/ Title	Yrs Exp/ @ Firm	IDOT/Municipal Project Experience
		funding including STP, ARA, MFT, LAPP, and CDBG grants. She is also familiar with the required documentation programs used by IDOT, CDOT and ISTHA. Her recent work includes doing internal documentation checks for the CBBEL Construction Department to ensure projects are ready for audit and are efficient in close out. Her recent field work experience includes documentation engineer work for CDOT on multiple ADA Ramp Reconstruction projects in various areas of the City and the Ashland/Pershing Reconstruction project, on the Cumberland Ave at I-90 project and multiple ISTHA I-90 corridor improvement projects.
Eric Taraska / Construction Engineer 	19/19	Construction Engineer with 19 years of experience in construction engineering. Performed resident engineering duties on numerous federally funded roadway rehabilitation projects, sewer and water main improvements, MFT road restoration projects, traffic signal modernization and interconnect installation, and street lighting improvements. Mr. Taraska is proficient in documentation for various types of funding including STP, LAPP, CMAQ, MFT, ARRA, SRTS, and CDBG grants. Notable projects include Leland Ave Box Culvert in Harwood Heights and Nottingham / 100th Street Water-main improvements in Chicago Ridge. Also various projects in the City of Northlake including Wolf Road and Fullerton Ave traffic signal modernization; various CDBG projects for King Arthur Water-Main Phases 7-11; 2016 Whitehall Ave Resurfacing (FAU); 2012-2016 Resurfacing; 2012-2016 Water-Main Replacement; 2015 North Ave Frontage Road Improvements (FAU); 2015 Addison Creek Trail Bike Path (FAU); 2011 Whitehall / Prater Bridge Rehabilitation (ARRA); Diversey, Derrough, and Rhodes Ave (SRTS); Armitage Ave Water Main (ARRA); and Armitage Ave Resurfacing FAU.
Nicholas Tremmel / PE / Construction Engineer 	7/3	Civil Engineer experienced in design and construction engineering for highway, tollway, and municipal roadways. Also experienced with preparation of SWPPP for municipal, residential, and county projects; inspection; and permit submittals. Responsibilities include: site inspection, site development design, and resident engineering, which consists of construction observation, documentation of contract quantities, coordination and verification of material testing and inspection, preparation of record drawings, and close-out documentation for a variety of agencies and projects. Some of his most recent roles include Resident Engineer for Pleasant Avenue and Darlene Lane Reconstruction in Glendale Heights (a CDBG funded Water Main Replacement and Road

STAFFING

Name/Registration/ Title	Yrs Exp/ @ Firm	IDOT/Municipal Project Experience
		Reconstruction project), Field Engineer for I-90 (Kennedy Expressway) at Cumberland Avenue – Contract 60J14 (specifically tasked with IDOT, CDOT Traffic Signals and Traffic Surveillance systems inspection and documentation), and Field Engineer for I-90 (Jane Adams) Widening – Contracts 4206 and 4233 (specifically tasked with Overhead Sign Foundations, Intelligent Transportation System, and Lighting inspections and documentation).
William Schultz / EI / Construction Engineer 	12/12	Civil Engineer experienced in performing construction observation services, structural design and preparation of contract plans, specifications and cost estimates. Involved in the design and construction of new bridges, retaining wall structures, and various storm water control structures, including floodwalls, weirs, box culverts and junction chambers. Responsibilities also include performing inspections of 60 bridges on a bi-annual basis for 12 local municipalities and inspection of buildings and parking garages. IDOT Approved Bridge Inspection Team Leader. Recent projects include Resident Engineering services for the Harper Drive Path in Algonquin which included a new 2200 ft long HMA path with elevated Timber Boardwalk, City of Zion resurfacing on Gabriel Ave 23rd-33rd Street; and the City of Chicago Upper Wacker Drive Bridge Extension project where Mr. Schultz was the Resident Engineer for the project which involved structural repairs to Wacker Drive and extension of the bridge for 2 spans to the east to accommodate the construction of the new 96 story Wanda Vista Tower. Mr. Schutz is coordinating with the City, Contractor and Developer to construct the Wacker Drive Extension.
Razvan Calin / Construction Engineer 	3/3	Civil Engineer trained in the fields of civil and construction engineering. Experience includes construction observation, estimation of quantities and project scheduling. Familiar with ICORS and MIRC documentation. Provided construction engineering expertise, technical and construction support for a resurfacing project in Elwood Park that spanned over 16 miles and had a total cost of 11 million dollars. Resident Engineer for Old Town- Streetscape and Roadway Improvement Project in the Village of Bloomingdale. Additionally, Resident Engineer for various resurfacing projects in the Villages of Riverside and Lincolnwood.
William Sprague / EI / Senior Civil Engineer	37/3	Mr. Sprague is a Civil Engineer with 37 years of experience in construction engineering and project management. He has worked on all facets of public works projects including roadway

STAFFING

Name/Registration/ Title	Yrs Exp/ @ Firm	IDOT/Municipal Project Experience
		rehabilitation projects, sewer and water main improvements, sewer rehabilitation, wastewater and water treatment plants, reservoirs, and pumping stations. Most notable recent projects he has worked on included the City of Evanston 2015 Sheridan Road Water Main Improvements - Water Main Lining during the winter of 2016. Other notable recent projects include serving as Resident Engineer on the 2014-2017 Water Main Replacement and Road Programs in the Village of Clarendon Hills. Responsibilities include preparation of plans, estimates, and specifications; as well as construction observation, inspection, and documentation.
Rebekkah Carney / Construction Engineer 	6/4	Ms. Carney is a Construction Engineer with 6 years of field experience. Projects where Ms. Carney provided inspection services include the Burlington Street Streetscape and resurfacing Project in Riverside. She also has worked on several storm water separation projects including the Northside Stormwater Management Project in River Forest and the Storm Sewer and Detention Reservoir project in Elmwood Park. She is trained in the fields of civil construction and municipal engineering. She also has internship experience in drainage design, environmental delineations, controlling invasive species in wetlands, and NPDES studies. Rebekkah most recently provided inspection services for the East Burlington (Longcommon & Harlem) project in the Village of Riverside.
Daniel Schroeder / EI / Construction Engineer 	4/4	Civil Engineer with 4 years of experience in Construction and Design Engineering. Mr. Schroeder has worked in the Village of Elmwood Park assisting the Resident Engineer with Phase 3 construction services for the Flood Mitigation Project in the portions along 80th Avenue, North Westwood, and South Westwood Neighborhood. The sections of the project included 23,000 linear feet of storm sewer ranging from 12" to 84", 17,000 linear feet of water main, sanitary sewer improvements, roadway reconstruction, combination concrete curb and gutter, sidewalk, and landscape restoration. He has also recently completed a federal resurfacing project in the Village of Willowbrook on Clarendon Hills Road and a street storage program in the Village of Lincolnwood. As a Phase 2 Engineer, Mr. Schroeder has assisted with the plans, specifications, and estimates for numerous projects in the Village of Elmwood Park including the North and South Westwood Storm Sewer projects, 2014 Street Rehabilitation project, and the 2015 Street Rehabilitation project. Recently, Mr. Schroeder has served as a design engineer on three federal

STAFFING

Name/Registration/ Title	Yrs Exp/ @ Firm	IDOT/Municipal Project Experience
		resurfacing projects in the Villages of Elmwood Park, Riverside, and Oakbrook. Currently Dan is working in the City of Lockport on the 2017 Roadway Reconstruction and Resurfacing projects.
Boris Vukovic / Construction Manager 	29/9	Boris Vukovic, Architect, brought 29 years of experience with him when he joined CBBEL. Responsibilities consist of creating and managing design and construction drawings for various building types as well as Project and Construction Management. Notable projects include serving as Resident Engineer for various Villages such as Glendale Heights, Forest Park, Westchester and Clarendon Hills. Project types include Detention Ponds, Train Stations, Water Mains, Storm and Sanitary Sewer, Roadways and Parking Lot Design and Construction. Responsibilities include preparation of plans, estimates, and specifications; as well as construction observation, inspection, and documentation.
Kevin Lill / PE / Construction Engineer 	4/4	Resident Engineer with 4 years of experience in Construction Engineering. Mr. Lill's experience includes working for IDOT District 3 IL-47 (IL-71 to Kennedy Drive) in Yorkville and the Illinois Tollway on the I-90 Jane Addams Memorial Tollway. These projects encompassed pavement reconstruction, lane additions, and installation of concrete structures, storm sewer, water main, sanitary sewer, guardrail, noise walls, retaining walls, erosion control measures, bioswales, striping, lighting, and traffic signals. Mr. Lill was responsible for inspection of all the previously mentioned items, and has extensive documentation knowledge for Tollway, IDOT, and municipal projects. Currently Kevin is working in Forest Park on Roosevelt Road Roadway and Streetscape project.
Matthew Slawitschek / Construction Engineer 	1/1	Recent Civil Engineering graduate with multiple years of internship experience in the construction field. Since working at CBBEL, including a Summer internship before starting full time, Mr. Slawitschek has worked on multiple federal roadway rehabilitation projects that include water main and sewer improvements. Most recently, he has worked on a resurfacing and ADA ramp rehabilitation project on Diversey Avenue and Fullerton Avenue in Elmwood Park. His previous internship was in the construction phase of the industry as an assistant project manager for 3 Summers/Winters. Projects include large developments for retail and residences and low-income housing. Construction costs ranged anywhere from $1,000,000 to $90,000,000. Tasks include

STAFFING

Name/Registration/ Title	Yrs Exp/ @ Firm	IDOT/Municipal Project Experience
		planning, estimating/bid preparation, project buyouts, subcontractor negotiations, cost analysis, and day to day scheduling.
Susan Karch / EI / Senior Construction Engineer	23/<1	Ms. Karch joins CBBEL with over 20 years of civil engineering experience in various disciplines with a strong emphasis in construction. This experience entails work for the following agencies: IDOT, CDOT, Tollway, Chicago Public School System, Village of Hazel Crest, General Contractors and the Private Sector. Responsibilities include construction observation, project reports, documentation of quantities, review of contractor pay estimates, coordination of materials testing and inspection, site surveys and interaction with the contractor and client. Observed activities include roadway and water main. Civil design experience consists of resurfacing and reconstruction projects. Currently Susan is working in the Village of Shorewood on the US Route 52 and Black Road project.
VARIOUS DEPARTMENTS SUPPORT STAFF		
Majid Mobasseri / PhD, PE, SE / Head, Structural Engineering Department 	33/11	Mr. Mobasseri is Head of our Structural Engineering Department and is responsible for the study, design, and generation of construction contract documents for structural systems employed in buildings, industrial facilities and bridges serving rail and highway traffic. His experience includes planning and concept design, bridge type/size/location studies, structural inspections, structural ratings, rehabilitation and renovation studies, final designs and the production of plans, specifications and estimates, and construction inspection. He has provided shop drawing and structural calculation review and technical assistance during Phase III for the 33rd Street Bridge over I90/94, Cumberland Ave Bridge over I90, Highland Park Bridges, White Hall Ave. Bridge over Addison Creek and Timber Edge Drive Bridge Replacement in Oakbrook Terrace, I-53 Frontage East & West Road Bridges, Balmoral Bridge over I-294, retaining walls of the I-294 exit ramp to Balmoral Avenue, and Elmwood Pump Station and Flood walls project.
G. Michael Ziegler / PE, PTOE / Vice President, Head, Traffic Operations Department	32/22	Mr. Ziegler is Vice President and Head of Traffic Operations Department and is responsible for projects involving traffic signal and system design, Intersection Design Studies, traffic operations analysis, signal system timing implementation and monitoring, and general traffic engineering studies. Expertise in Intersection Design Studies, traffic signal design, Signal Coordination and Timing Studies (SCAT) and traffic operations analysis. He has been Project

STAFFING

Name/Registration/ Title	Yrs Exp/ @ Firm	IDOT/Municipal Project Experience
		Manager for a wide variety of public sector traffic and transportation engineering projects and managed projects for IDOT, LCDOT, CCDOTH, and several local municipalities including Lombard, Bartlett, Naperville, Lake Forest, Evanston, Rolling Meadows, Orland Park, Oak Lawn, and Chicago Ridge. His expertise includes IDS preparation and design, traffic signal system evaluations, and computer software applications for the evaluation and analysis of traffic signal timings for isolated and coordinated signals. Mike has established a strong rapport with IDOT's Bureau of Local Roads and Streets, Bureau of Traffic Operations, and Bureau of Programming staff and has a thorough understanding of the requirements of CMAQ and STP funded projects. Mr. Ziegler is also certified as a Professional Traffic Operations Engineer and an IMSA level II signal technician.
Kurt Hansen / Environmental Resources Specialist 	3/3	Mr. Hansen is an Environmental Resources Specialist who conducts wetland delineations, writes wetland delineation reports, and creates wetland exhibits and digital photographs. Provides clients with wetland permitting services, including agency coordination between USACE, IDNR, IEPA, and US Fish and Wildlife. Performs maintenance and monitoring tasks in wetland mitigation areas, including herbicide application and prescribed burns. Performs site observations for compliance with NPDES. Provides clients with cost effective soil erosion control and sediment control recommendations, coordinate remedial actions, and act as liaison between clients, contractors, and regulators. Assists local municipalities in enforcing their MS4 Storm Water Management Plans by conducting audits of NPDES record keeping and construction site compliance with water quality standards.
John Caruso / PE / Vice President, 	29/29	Mr. Caruso's experience is concentrated in design and construction observation services related to roadway lighting/electrical systems, potable water supply facilities and wastewater and stormwater control pumping stations. His experience includes a range of engineering disciplines including civil, mechanical, electrical and telemetry controls. He has performed as design and resident engineer for a variety of pump station projects. This field experience together with his design experience provides him with the ability to execute complete project designs. John has performed pump station projects for numerous municipalities including Lombard, Rosemont, Glendale Heights, Chicago Heights and numerous private sector clients. Mr. Caruso performs water model analyses using Infowater, WaterCAD and EPANET. Mr. Caruso

STAFFING

Name/Registration/ Title	Yrs Exp/ @ Firm	IDOT/Municipal Project Experience
Head, Mechanical/ Electrical Department		has 29 years of experience with an extensive background in municipal stormwater related facilities as well as construction engineering of such facilities. He has designed numerous potable and stormwater pump stations. He has a comprehensive knowledge of pump station design providing innovative solutions to complex projects.
John Murphy / PE, PLS / Vice President, Head, Survey Department 	32/19	Mr. Murphy is the Survey Department Head within the Civil Engineering Department. He currently manages all office personnel & four field crews. The Survey Department is responsible for the collection of all pertinent field and record data suitable for the completion of Phase I and Phase II surveys and for Phase III construction layout. Some clients include IDOT, Chicago Water Partners, LCDOT and Will County. Under his management the CBBEL Survey Staff has provided state of the art survey procedures for highway, roadway and infrastructure for all levels of projects. His staff is fully trained and experienced in all facets of the survey profession. In addition, the department is well versed in GPS.

TAB 4
VILLAGE REQUIRED FORMS

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 9/27/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Donne Insurance Group, Inc
7777 W. 159th Street
Suite B
Tinley Park IL 60477

CONTACT NAME: Gail Pope
PHONE (A/C, No, Ext): (708) 429-3100 FAX (A/C, No): (708) 429-3105
E-MAIL ADDRESS: Gail.Pope@DonneInsurance.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: The Phoenix Ins Co	25623
INSURER B: Travelers Ind Co Of Con	25682
INSURER C: The Travelers Ind Co	25658
INSURER D: Travelers Casualty & Surety	19038
INSURER E:	
INSURER F:	

INSURED
Christopher B. Burke Engineering Ltd.
9575 W. Higgins Road
Suite 600
Rosemont IL 60018

COVERAGES **CERTIFICATE NUMBER:** 2017-2018 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR X Blanket Contractual Liab GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT X LOC OTHER:			680-3H482979	10/15/2017	10/15/2018	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 300,000 $ 10,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
B	AUTOMOBILE LIABILITY X ANY AUTO X ALL OWNED AUTOS X SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS			BA-6760L521	10/15/2017	10/15/2018	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
C	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED X RETENTION $ 10,000			CUP-2C769665	10/15/2017	10/15/2018	EACH OCCURRENCE AGGREGATE	$ 10,000,000 $ 10,000,000
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		UB-7639Y370	10/15/2017	10/15/2018	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
General liability policy includes blanket additional insured status, primary and non-contributory coverage and waiver of subrogation per form CG D3 81 09 07. Workers compensation policy includes waiver of subrogation per form WC 00 03 13. Automobile liability policy includes blanket additional insured status per form CA 20 48 02 99 and waiver of subrogation per form CA T3 40 02 99.

CERTIFICATE HOLDER
Proof of Coverage

CANCELLATION
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
W Donne, CPCU, ARM/GA William A. Donne

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 5/18/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Shawna Zamora
Assurance Agency, Ltd. One Century Centre 1750 E. Golf Road Schaumburg, IL 60173	PHONE (A/C, No, Ext): (847) 463-7120 FAX (A/C, No): (847) 220-9234 E-MAIL ADDRESS: szamora@assuranceagency.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Starr Surplus Lines Insurance Compa	
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED	
Christopher B. Burke Engineering, LLC PNC Center 115 W. Washington Street Indianapolis IN 46204	CHRIBBU-01

COVERAGES **CERTIFICATE NUMBER:** 723869056 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
	☐ CLAIMS-MADE ☐ OCCUR						MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
							GENERAL AGGREGATE	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$
	☐ POLICY ☐ PRO-JECT ☐ LOC							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ☐ NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	☐ UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	☐ EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N						WC STATU-TORY LIMITS ☐ OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐	N/A					E.L. EACH ACCIDENT	$
	(Mandatory in NH)						E.L. DISEASE - EA EMPLOYEE	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	$
A	Professional Liability			SLSLPRO26220017	6/1/2017	6/1/2018	Each Occurrence General Aggregate	$1,000,000 $2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

The limits shown above are for the entire practice policy and are not dedicated to any single project. - Proof of Insurance Only

CERTIFICATE HOLDER

Proof of Coverage
-

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Daniel G. Kfarazo

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1.	Case Name	Derek Brettman v. Texana Pickle Producers, et al.
	Case #	15 LA 76
	Court	McHenry County Circuit Court, IL
	Basis	Car Accident
	Outcome	Pending

2.	Case Name	Maureen Burd v. Village of Elmwood Park, et al.
	Case #	2014 L 06014
	Court	Circuit Court of Cook County, IL
	Basis	Pedestrian Fall
	Outcome	Pending

3.	Case Name	Bettenhausen v. Plote
	Case #	2016 L 1956
	Court	In the Circuit Court of Cook County, Illinois
	Basis	Complaint filed 2/24/16 Construction worker accident
	Outcome	Pending

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [ ] Design Engineering
- [ ] Wastewater Improvements
- [ ] Stormwater Engineering
- [3] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: 

Print Name .....: Michael Kerr

Position/Title.....: Executive Vice President

Company Name ...: Christopher B. Burke Engineering, Ltd.

Address line 1 .....: 9575 W. Higgins Road, Suite 600

Address line 2 .....: Rosemont, IL 60018

Telephone.....: 847-823-0500

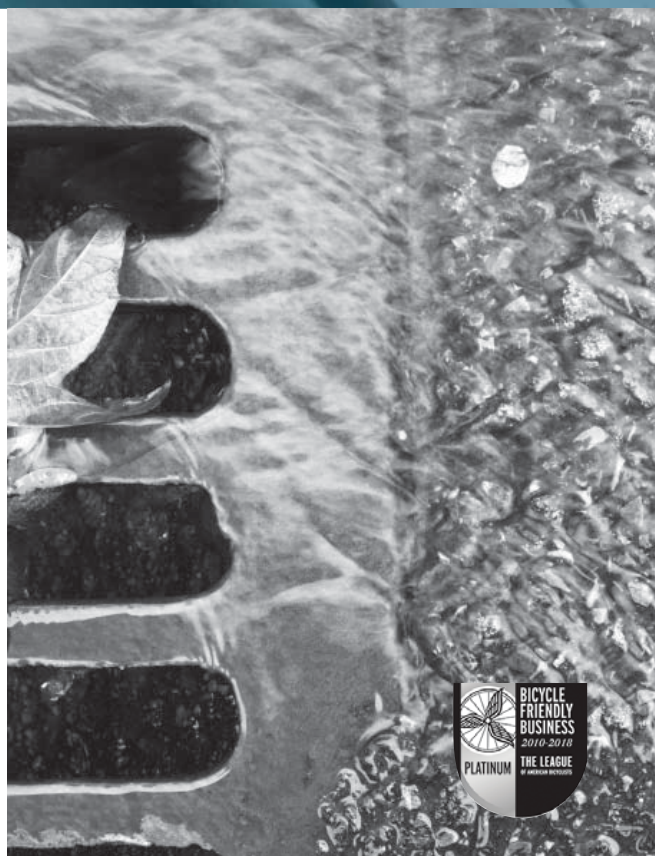
OCTOBER 19, 2017

BENSENVILLE
GATEWAY TO OPPORTUNITY

STORMWATER ENGINEERING

SUBMITTED TO:
JOSEPH M. CARACCI, PE
DIRECTOR OF PUBLIC WORKS
VILLAGE OF BENSENVILLE
717 E. JEFFERSON STREET
BENSENVILLE, IL 60106

SUBMITTED BY:
MICHAEL KERR, PE
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 WEST HIGGINS ROAD | SUITE 600
ROSEMONT, IL 60018
mkerr@cbbel.com



CHRISTOPHER B. BURKE ENGINEERING, LTD.

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX (847) 823-0520

October 19, 2017

Village of Bensenville
717 E. Jefferson Street
Bensenville, IL 60106

Attention: Mr. Joseph M. Caracci, PE, Director of Public Works

Subject: Statement of Qualifications for Civil Engineering Services
Stormwater Engineering

Dear Mr. Caracci:

Christopher B. Burke Engineering, Ltd. (CBBEL) is pleased to submit one original, four copies and one electronic copy of our statement of qualifications. The material presented is in compliance with the guidelines indicated in your request. The Statement of Qualifications and Consultant Evaluation forms are also included in our submittal.

The contact person for this proposal is Mr. Michael Kerr, PE, Executive Vice President in our Rosemont office. Mike can be reached at (847) 823-0500 to answer any of your questions.

We trust the information presented demonstrates our ability to provide the necessary engineering services for this category. CBBEL appreciates the opportunity to be considered for this work and we look forward to continuing our working relationship with the Village of Bensenville.

Sincerely,

Christopher B. Burke, PhD, PE, D.WRE, Dist.M.ASCE
President

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STORMWATER ENGINEERING SHORT LIST QUALIFICATIONS

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TAB 2 PROJECT EXPERIENCE

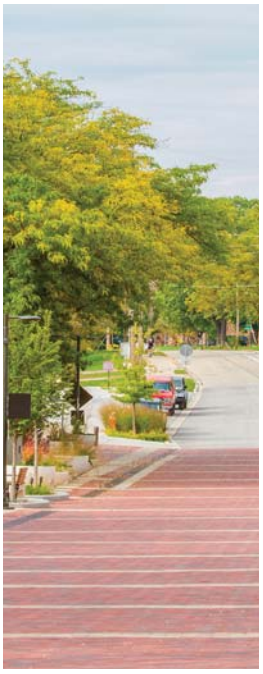
TAB 3 STAFFING
ORGANIZATIONAL CHART

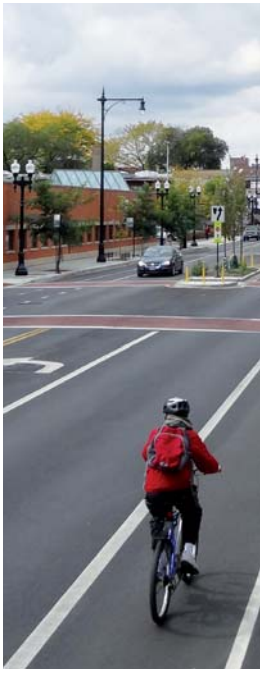
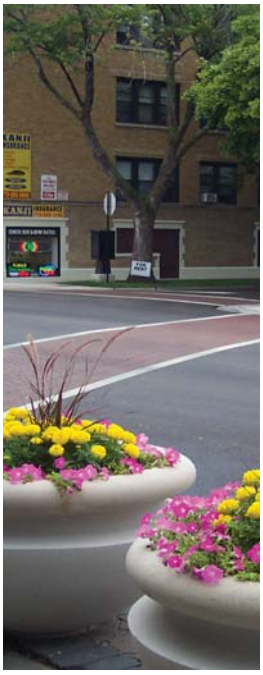
TAB 4 VILLAGE REQUIRED FORMS
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TAB 1
INTRODUCTION

FIRM EXPERIENCE

FIRM HEADQUARTERS

Christopher B. Burke Engineering, Ltd. (CBBEL)
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
T: 847.823.0500 | F: 847.823.0520
cbbel.com

Christopher B. Burke Engineering, Ltd. (CBBEL) is unique among consulting engineering and surveying firms in that we are a full-service company that can comprehensively meet the needs of both private and public sector clients. Guided by founder and President Christopher B. Burke, our "family business" corporate philosophy allows for a level of personal service that ensures peace of mind. Our Illinois based staff of 207 and expansive list of specializations—civil, municipal, transportation, water resource, mechanical, structural, construction, traffic, and environmental engineering and environmental resource services—provide professionalism and a depth of expertise that promote project success.

(Please refer to the Design Engineering Submittal for comprehensive Firm Experience)

86 LICENSED PROFESSIONALS

TOTAL STAFF **207**

31 YEARS IN BUSINESS

13 DIVERSE DEPARTMENTS (LOCAL STAFF):	
REVIEW AND INSPECTIONS	6
CIVIL ENGINEERING DESIGN	29
SURVEYING (4 CREWS)	12
ENVIRONMENTAL RESOURCES	17
CONSTRUCTION ENGINEERING	36
DESIGN/BUILD	9
WATER RESOURCES ENGINEERING	23
TRAFFIC OPERATIONS	9
MECHANICAL/ELECTRICAL ENGINEERING	10
PHASE I ENGINEERING	8
DRAINAGE	8
STRUCTURAL ENGINEERING	7
LANDSCAPE ARCHITECT	1

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

April 28, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Christopher Burke
BURKE, CHRISTOPHER B. ENG., LTD.
9575 W. Higgins Road
Suite 600
Rosemont, IL 60018

Dear Christopher Burke,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $61,600,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 123.20% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR BURKE, CHRISTOPHER B. ENG., LTD.

CATEGORY	STATUS
Special Services - Electrical Engineering	X
Environmental Reports - Environmental Assessment	X
Special Services - Mechanical	X
Special Studies - Traffic Signals	X
Special Services - Sanitary	X
Hydraulic Reports - Waterways: Complex	X
Special Studies - Feasibility	X
Highways - Roads and Streets	X
Hydraulic Reports - Pump Stations	X
Special Services - Construction Inspection	X
Hydraulic Reports - Waterways: Typical	X
Special Studies - Location Drainage	X
Special Studies - Pump Stations	X
Environmental Reports - Environmental Impact Statement	X
Special Services - Surveying	X
Special Studies - Traffic Studies	X
Special Studies - Lighting: Typical	X
Special Studies - Safety	X
Highways - Freeways	X
Location Design Studies - New Construction/Major Reconstruction	X
Special Studies - Lighting: Complex	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Location Design Studies - Rehabilitation	X
Structures - Highway: Simple	X
Special Services - Landscape Architecture	X
Special Studies - Signal Coordination & Timing (SCAT)	X
Structures - Highway: Typical	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

TAB 2
PROJECT EXPERIENCE

PROJECT EXPERIENCE

We have included our most recent project experience relative to the expected short-list projects. All of the listed projects are Stormwater projects/reviews under contract or completed within the last 5 years. Please note that Mechanical/Stormwater pump station projects are covered in our Design Engineering Submittal. CBBEL understands the importance of our municipal clients and we strive to meet their demands. We encourage you to contact the client contacts listed below.

Project / Client	Elmhurst Comprehensive Flood Plan/ City of Elmhurst
Scope of Work /	In response to the July 23-24, 2010 storm event, the City of Elmhurst (City) contracted CBBEL to perform a study for ten flood-prone areas of the City. CBBEL developed hydrologic and hydraulic modeling using XP-SWMM computer software for each of the ten flood study areas. Based on the results of the XP-SWMM modeling, the causes of flooding were identified and conceptual drainage improvements were developed. Cost estimates were prepared for the proposed drainage improvements and compared to the increased level of flood protection. CBBEL also performed a review of the stormwater practices currently required by the City to improve the performance of the stormwater drainage system. CBBEL presented the results to the City Council and Stormwater Task Force. The recommended drainage improvements included flood proofing, constructing new relief sewers, creating stormwater storage, and increasing pumping capacity. SERVICES INCLUDED: • Hydrologic and Hydraulic Modeling • Compensatory Storage Analysis • Opinions of Probable Cost for Each Alternative • Review of City Stormwater Regulations • Flood Study Presentations to Stormwater Task Force and City Council
Contractor / Client POC	N/A/ Howard Killian, Public Works Director (630) 530-3041
Project Team	Christopher Burke, PhD, PE – QA/QC Thomas Burke, Jr., PhD, PE – Project Manager Luke Sherry, PE – Project Engineer
Construction Cost / Fee / Funding / Year	N/A/ $392,000/Local/ 2011-2014

Project / Client	Walnut/Myrtle/Evergreen Stormwater Improvement Project/ City of Elmhurst
Scope of Work /	CBBEL was retained by the City of Elmhurst (City) to provide design and construction services for the installation of approximately 3,400 linear feet of 60- and 72-inch diameter storm sewer that drains to the Elmhurst Quarry. The proposed drainage improvements provide a 100-year level of flood protection for many flood-prone properties located throughout the study area. Construction

PROJECT EXPERIENCE

	began in early 2016 and was completed on November 15, 2016. This project was made possible through the successful partnership between the City and DuPage County. With the approval of the downstream Salt Creek communities, the City entered into an Intergovernmental Agreement (IGA) with DuPage County to allow 20 acre-feet of stormwater volume to be diverted from the flood-problem area to the Elmhurst Quarry. **SERVICES INCLUDED:** • Phase II (Design) & Phase III (Construction Observation) Services
Contractor / Client POC	Bolder Contractors, Inc./ Howard Killian, Public Works Director (630) 530-3041
Project Team	Christopher Burke, PhD, PE – QA/QC Thomas Burke, Jr., PhD, PE – Project Manager Luke Sherry, PE – Project Engineer
Construction Cost / Fee / Funding / Year	$4.99M/ $376,000/Local/ 2015-2016

Project / Client	Madison School Stormwater Improvement Project /City of Elmhurst
Scope of Work /	CBBEL was retained by the City of Elmhurst (City) to provide design and construction services for the installation of approximately 1,100 linear feet of 42- and 48-inch diameter storm sewer in conjunction with 6 acre-feet of flood storage created at the Madison School Property. The proposed drainage improvements provide valuable flood-reduction benefits for many properties located throughout Southwest Elmhurst. Construction began in Fall 2016 and will be completed by Spring 2017. The City partnered with the Elmhurst Community Unit School District 205 (District 205) and entered into an Intergovernmental Agreement (IGA) with District 205 to use the land for stormwater storage. **SERVICES INCLUDED:** • Phase II (Design) & Phase III (Construction Observation) Services
Contractor / Client POC	Martam Construction/ Howard Killian, Public Works Director (630) 530-3041
Project Team	Christopher Burke, PhD, PE – QA/QC Thomas Burke, Jr., PhD, PE – Project Manager Luke Sherry, PE – Project Engineer
Construction Cost / Fee / Funding / Year	$2.45M/ $315,000/Local/ 2016-2017

PROJECT EXPERIENCE

Project / Client	Crescent Ave/Cambridge Ave Stormwater Improvement Project City of Elmhurst
Scope of Work /	CBBEL was retained by the City of Elmhurst (City) to provide design and construction services for the installation of approximately 2,000 linear feet of 48-inch diameter storm sewer in conjunction with 11 acre-feet of flood storage created at York Commons Park. The proposed drainage improvements provide a 100-year level of flood protection for 38 properties located throughout the study area. Construction began in Fall 2016 and was completed by Spring 2017. The City partnered with the Elmhurst Park District (EPD) and entered into an Intergovernmental Agreement (IGA) with that agency to use the land for stormwater storage. **SERVICES INCLUDED:** • Phase II (Design) & Phase III (Construction Observation) Services
Contractor / Client POC	Swallow Construction Howard Killian, Public Works Director (630) 530-3041
Project Team	Christopher Burke, PhD, PE – QA/QC Thomas Burke, Jr., PhD, PE – Project Manager Luke Sherry, PE – Project Engineer
Construction Cost / Fee / Funding / Year	$2,000,000/ $350,000/Local/ 2016-2017

Project / Client	DU-COMM Facility/ DuPage County Facilities Management
Scope of Work /	The DuPage County Department of Facilities Management (DFM) is currently constructing several major improvements within the West Campus of the DuPage County Government Center related to the new DuPage Public Safety Communications (DU-COMM) facility. DU-COMM is an intergovernmental agency that serves as a public safety communications center in Illinois and currently serves forty-one member agencies in DuPage and neighboring counties. DFM retained CBBEL to design and permit the following improvements: Floodproofing Berm, Wetland Creation, Riparian Restoration, Woodland Restoration, Parking Lot Expansion and DuDOT Shared Use Path. ***Floodproofing Berm*** - DFM is seeking to provide flood protection to the proposed DU-COMM Facility by constructing an earthen berm just west of the building. Because this berm will be blocking the natural overland drainage between the building and Winfield Creek, pumping was identified as the only means of discharging this runoff to the wet side of the berm when Winfield Creek overtops its banks, and a pump station is to be located between the new parking lot and the berm. ***Wetland Creation*** - To include water quality as part of the project, wetland creation immediately west and adjacent to the floodproofing berm is proposed. ***Riparian Restoration*** - Riparian restoration along Winfield Creek will be

PROJECT EXPERIENCE

	between the DuDOT Salt Domes and Beecher Street (Beecher Street does not cross the creek) through minor grading, clearing the invasive species, and converting the turf areas to native vegetation. ***Woodland Restoration*** - A large woodland area north and west of proposed DU-COMM building will be cleared of invasive species. ***Parking Lot Expansion*** - The new DU-COMM facility will add two new areas of parking consisting of a visitor parking lot and a parking lot addition to the existing lot, with grind/overlay of the existing parking lot. The design includes hardscape improvements, new ADA sidewalk and new ADA stalls, and sidewalk abutting to new parking lot. ***DuDOT Shared Use Path*** - DuPage County Department of Transportation (DuDOT) will be connecting Beecher Street and County Farm Road with a bikeable/walkable hard surface shared use path for commuters that use the train and for improved public access to the DuPage County Government Complex, and includes a boardwalk to span one of the ditches.
Contractor / Client POC	V3 Companies Timothy Harbaugh, PE – 630-407-5700
Project Team	Erik Gil – Project Manager Bryan Luke – Design Engineer Jedd Anderson – Environmental Design
Construction Cost / Fee / Funding / Year	$2,500,000/ $377,000/County/ 2016-2018

Project / Client	Bartlett Rd. & Amherst Dr. Drainage Study & Relief Storm Sewer/ Village of Bartlett
Scope of Work /	The intersection of Bartlett Road and Amherst Drive experienced frequent flooding which resulted in road closures, yard flooding, and residential structure flooding. Based on a drainage study completed by CBBEL, an inter-governmental agreement was executed between the Village and DuPage County to cost-share the funding for this project. The CBBEL drainage study concluded that a 30” relief sewer from Bartlett Road to Country Creek would provide a 100-year level of protection for the adjacent roadways and residential structures. The proposed relief sewer is located in a ComEd transmission right-of-way. In addition to the ComEd utility coordination, the relief sewer also required lowering of gas and telephone lines and a Village watermain. **SERVICES INCLUDED:** • Hydrologic and hydraulic modeling • Development of drainage improvements • Preparation of ComEd Easement Documents

PROJECT EXPERIENCE

	• Utility coordination • Preparation of design plans, specifications and bid documents • Permitting - U.S. Army Corps of Engineers - DuPage County Stormwater - DuPage County DOT • Bidding services • Resident engineer services
Contractor / Client POC	American Underground of Illinois/ Bob Allen, Village Engineer (630) 837-0800
Project Team	Darren Olson, PE – Water Resources Project Manager Dave Vogel, PE – Water Resources Engineer John Murphy, PE, PLS - Surveying
Construction Cost / Fee / Funding / Year	$350,000/ $62,000/Local/County 2012-2014

Project / Client	Northside Park Parking Lot (Green Design)/ City of Wheaton
Scope of Work /	The components of the rehabilitation project were coordinated with the City of Wheaton to develop an overall watershed plan that will provide flood reduction to the commercial area of North Main Street, which frequently floods on a yearly basis. Prior work included shoreline stabilization and native plantings, and the parking lot design was designed to incorporate Best Management Practices (BMPs) into the reconstruction of 4 parking lots and the roadway. The existing parking lots are located in the Winfield Creek floodplain, and stormwater runoff from the parking lot drains to on-line lagoon that is part of Winfield Creek. • **Permeable Pavers:** The 4 parking lot surfaces are composed of Eco-Optiloc® pavers (by Unilock), that allows water to drain through the pavement to the underdrains and storm sewer system and then into the lagoon. • **Subsurface Stormwater Storage:** The base material for the permeable paver section contains up to 33% voids that provides additional stormwater storage. The BMPs were implemented and utilized while providing parking to over 300 cars. The parking lots are used year round and serve as a demonstration project on how stormwater and pollutants can be best handled in an urban environment. • **Lighting:** CBBEL designed energy efficient LED lighting units for the parking lots, roadways, and walking paths within the park. Lighting controls were designed to provide automatic on and off operation of the lights to further save energy. • **Permitting:** CBBEL prepared the stormwater management permit application and design drawings which was permitted through the

PROJECT EXPERIENCE

	DuPage County Department of Development and Environmental Concerns (DEC) and the City of Wheaton. CBBEL also performed the construction observation services for the project.
Contractor / Client POC	E.P. Doyle & Son, LLC/Benchmark Construction Rob Sperl, Director of Park and Planning (630) 510-4970
Project Team	Erik Gil, PE – Project Manager Lee Fell, PE – Project Manager John Caruso, PE – Electrical Martin Bojovic, PE – Resident Engineer
Construction Cost / Fee / Funding / Year	$2,900,000/ $183,100/Wheaton Park District, City of Wheaton, IDNR-OSLAD Grant, DuPage County Clean Water Grant, DCEO Grant 2011-2013

Project / Client	Stormwater Review Services/ Village of Carol Stream
Scope of Work /	Engineering services vary depending on the client's need and range from stormwater review to full review and from Preliminary Plat through Final Engineering and Construction phases. Projects range in size from single family home grading plans to large (40+ acres) industrial complexes to 70 lot residential developments. CBBEL is fully qualified to review all engineering aspects of the development projects. Representative projects include: • Gary Avenue Reconstruction • O'Reilly Auto Parts • Nicor Gas Pipeline • Caputo's • CVS Pharmacy • Crème del la Crème
Contractor / Client POC	N/A/ Jim Knudsen, PE, Village Engineer (630) 665-7050
Project Team	Erik Gil, PE – Project Manager Jedd Anderson – Environmental Reviewer
Construction Cost / Fee / Funding / Year	$50,000 - $10,000,000/ As Necessary/Local/ 1992-Present

PROJECT EXPERIENCE

Project / Client	Stormwater Review Services/ Village of Addison
Scope of Work /	Engineering services vary depending on the client's need and range from stormwater review to full review and from Preliminary Plat through Final Engineering and Construction phases. Projects range in size from single family home grading plans to large (40+ acres) industrial complexes to 70 lot residential developments. CBBEL is fully qualified to review all engineering aspects of the development projects. Representative projects include: • Bucky's Express • Heritage Woods Subdivision • Community Park • Shreeji Vaishnav Dwar Haveli Temple Expansion • Elmhurst Memorial Hospital Health Center
Contractor / Client POC	N/A/ William Stock, Plan Examiner (630) 693-7533 Rudy Espedido, Village Engineer (630) 693-7533
Project Team	Erik Gil, PE – Project Manager Jedd Anderson - Environmental Reviewer
Construction Cost / Fee / Funding / Year	$50,000 - $10,000,000/ As Necessary/Local/ 1992-Present

TAB 3
STAFFING

BENSENVILLE
GATEWAY TO OPPORTUNITY

OVERALL PROJECT MANAGER
Thomas Burke, Jr., PhD, PE

WATER RESOURCES
Erik Gil, PE
Jeana Gowin, PE
Luke Sherry, PE
David Vogel, PE

SURVEY
John Murphy, PE, PLS

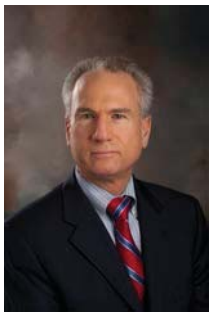
MECHANICAL
John Caruso, PE
Katrina Ballado, PE, LEED
Anthony DeRicco, PE, LEED

STAFFING

Our short-list team of professionals has the skills and experience required for the proposed services. Our team includes experts from our Water Resources, Survey and Mechanical Engineering Departments that specialize in stormwater and sanitary sewer modeling and analysis, water distribution system network analysis, storm water retention/detention facilities analysis and design, surveying and pump station analysis and design related projects. Details regarding the Survey and Mechanical Department staff listed on our organizational chart can be found under the Design Engineering Staffing Section.

Name/Registration/ Title	Yrs Exp/ @Firm	IDOT/Municipal Project Experience
WATER RESOURCES DEPARTMENT		
OVERALL PROJECT MANAGER		
 Thomas Burke, Jr. / PhD, PE, D.WRE, CFM, CPESC, CPSWQ / Vice President and Head, Water Resources Department	26/21	Thomas is responsible for water resources engineering projects, design, and reviews, including land use characterization, watershed and floodplain/floodway delineation, steady and unsteady river hydraulics analysis, stormwater management, feasibility studies, and development of countywide ordinances. He is responsible for 21 water resources engineers performing technical analysis and design. His projects include developing hydrologic and hydraulic models, establishing floodplain and floodway limits, evaluating proposed modifications, stormwater management design for commercial, industrial, and residential development, obtaining permits through municipal, county, state and federal agencies and Letters of Map Change. He has led numerous multi-disciplinary teams focused on stormwater, development and environmental projects and issues in Northeastern Illinois. Thomas was the Project Manager for several recent projects for the City of Elmhurst: The Elmhurst Comprehensive Flood Plan, Walnut/Myrtle/Evergreen Stormwater Improvement Project, Madison School Stormwater Improvement Project, and Crescent Avenue/Cambridge Avenue Stormwater Improvement Project. Thomas also assisted in the development of the DuPage County Stormwater Ordinance and Technical Guidance Manual for the Watershed Management Ordinance for the Metropolitan Water Reclamation District. He has also completed several watershed studies in DuPage County: Upper Salt Creek FEQ Study, Flagg Creek Watershed Plan, Addison Creek Watershed Plan, Upper Des Plaines River Tributaries, and Downers Grove Downtown Redevelopment Watershed Plan. Thomas is the stormwater consultant for the Lake County Surveyor's Office, Lake County Drainage Board and Town of Dyer in Indiana. He also oversees the stormwater reviews for several communities in the Chicagoland area and northwest Indiana. He has performed hydrologic and hydraulic studies in Cook, DeKalb, DuPage, Grundy, Kane, Kendall, Lake, LaSalle, McHenry, Ogle, Sangamon, Will and Winnebago Counties.

STAFFING

Name/Registration/ Title	Yrs Exp/ @Firm	IDOT/Municipal Project Experience
 Erik Gil / PE, CFM, CPESC, CPSWQ / Project Manager	29/29	Erik is experienced in hydraulics and water resources engineering. As a Project Manager, he is involved in civil and water resources engineering project analysis, planning and design. His water resources engineering projects generally consist of watershed studies, project-specific feasibility studies, Illinois Department of Natural Resources-Office of Water Resources (IDNR-OWR) Floodway Construction Permit applications, and Federal Emergency Management Agency (FEMA) Letters of Map Change, as well as dam safety permits and inspections. As a project manager, he is responsible for the supervision of water resources engineers whose typical project tasks include developing hydrologic and hydraulic models to establish floodplain and floodway limits and evaluation of flood-damage reduction alternatives using steady-state models such as HEC-1, HEC-2, HEC-RAS, TR-20 and WSP-2 and unsteady flow models such as FEQ and XP-SWMM; preparation of DuPage County Stormwater Management permit applications, MWRDGC permit applications. His civil engineering duties include municipal engineering analysis and review of civil engineering projects, review of floodplain/floodway and stormwater management requirements for proposed developments, and construction observation of public and private improvements. He provides drainage review and performs drainage studies for over 15 governmental bodies throughout the six county area including the Villages of Carol Stream and Addison. Erik has worked with DuPage, Lake and Will County; and IDNR. Erik has worked on numerous projects in DuPage County including the Lake Manor Zone A Study, Reach 8 Flood Control Project in Glendale Heights, the Huffman Street Flood Control Project in Naperville, the Town Center in Carol Stream, and the DuPage County Government Center in Wheaton. He has also worked on City of Prospect Heights Eastside TIF District Drainage Study; Tributary No. 4 Watershed Analysis, West Branch DuPage River; Pitner Avenue and Bloners Drive Drainage Improvements, Cuba Township; Drainage Study of Thompson Berm & Lift Station, Wheaton.

STAFFING

Name/Registration/ Title	Yrs Exp/ @Firm	IDOT/Municipal Project Experience
 Jeana Gowin / PE, CFM, CPSWQ/ Senior Water Resources Engineer	15/15	Jeana is responsible for water resources engineering project analysis and design. Her duties include performing the following hydrologic and hydraulic engineering tasks: floodplain/floodway delineation, detention and compensatory storage determination, steady state and unsteady state hydraulic analyses, and design of conveyance systems. She has designed flood reduction projects using both gravity pump evacuated storage facilities including the Elmwood Park Flood Mitigation Project and the Franklin Park I-294 Industrial Park. Jeana has prepared, submitted, and obtained: IDNR floodway construction permits, dam safety permits, FEMA LOMRs, LOMR-Fs, LOMAs, MWRDGC Chicago Storm Sewerage Permits and Stormwater Permits from DuPage County Department of Economic and Development Planning. She has performed reviews for the communities of Addison, Carol Stream, Huntley, Inverness, Naperville, Orland Park, Prospect Heights, Rolling Meadows, Shorewood, and Wheeling.
 Luke Sherry / PE, CFM, CPSWQ/ Senior Water Resources Engineer	13/13	Luke is responsible for water resources engineering project analysis and design. His duties include performing the following hydrologic and hydraulic engineering tasks: floodplain/ floodway delineation, detention and compensatory storage determination, steady and unsteady hydraulic analyses, and design of conveyance systems. Luke has performed numerous sewer modeling and flood reduction studies, hydrologic and hydraulic analyses, as well as assisted in the development of the DuPage County Stormwater Ordinance and Technical Guidance Manual for the Watershed Management Ordinance for the Metropolitan Water Reclamation District. Luke is the lead project engineer for the City of Elmhurst's Comprehensive Flood Plan, Walnut/Myrtle/Evergreen Stormwater Improvement Project, Madison School Stormwater Improvement Project and Crescent Avenue/Cambridge Ave Stormwater Improvement Project. Luke also performs stormwater reviews for the municipalities of Rosemont, Northlake, Rolling Meadows, Streamwood, Westchester, Palos Hills and Wood Dale.
 David Vogel / PE, CFM, CPSWQ/ Senior Water Resources Engineer	12/12	Dave is responsible for engineering studies including floodplain/floodway delineation, stormwater detention analysis and design, stormwater management studies and permitting, and engineering review. Dave has performed many stormwater detention analysis/design projects, flood reduction studies, and storm sewer design. He has provided engineering review services for the communities of Downers Grove, Glendale Heights, Naperville, Orland Park, Hawthorn Woods, and Crystal Lake among others. Dave has also completed several pump station analysis and design projects for IDOT including new pump stations on the Elgin-O'Hare West Access, I-55, and IL-176.

TAB 4
VILLAGE REQUIRED FORMS

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 9/27/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Donne Insurance Group, Inc
7777 W. 159th Street
Suite B
Tinley Park IL 60477

CONTACT NAME: Gail Pope
PHONE (A/C, No, Ext): (708) 429-3100 FAX (A/C, No): (708) 429-3105
E-MAIL ADDRESS: Gail.Pope@DonneInsurance.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: The Phoenix Ins Co	25623
INSURER B: Travelers Ind Co Of Con	25682
INSURER C: The Travelers Ind Co	25658
INSURER D: Travelers Casualty & Surety	19038
INSURER E:	
INSURER F:	

INSURED
Christopher B. Burke Engineering Ltd.
9575 W. Higgins Road
Suite 600
Rosemont IL 60018

COVERAGES **CERTIFICATE NUMBER:** 2017-2018 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR X Blanket Contractual Liab GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT X LOC OTHER:			680-3H482979	10/15/2017	10/15/2018	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 300,000 $ 10,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
B	AUTOMOBILE LIABILITY X ANY AUTO X ALL OWNED AUTOS X SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS			BA-6760L521	10/15/2017	10/15/2018	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
C	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED X RETENTION $ 10,000			CUP-2C769665	10/15/2017	10/15/2018	EACH OCCURRENCE AGGREGATE	$ 10,000,000 $ 10,000,000
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		UB-7639Y370	10/15/2017	10/15/2018	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
General liability policy includes blanket additional insured status, primary and non-contributory coverage and waiver of subrogation per form CG D3 81 09 07. Workers compensation policy includes waiver of subrogation per form WC 00 03 13. Automobile liability policy includes blanket additional insured status per form CA 20 48 02 99 and waiver of subrogation per form CA T3 40 02 99.

CERTIFICATE HOLDER
Proof of Coverage

CANCELLATION
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
W Donne, CPCU, ARM/GA William A. Donne

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 5/18/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Shawna Zamora
Assurance Agency, Ltd. One Century Centre 1750 E. Golf Road Schaumburg, IL 60173	PHONE (A/C, No, Ext): (847) 463-7120 FAX (A/C, No): (847) 220-9234 E-MAIL ADDRESS: szamora@assuranceagency.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Starr Surplus Lines Insurance Compa	
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED	
Christopher B. Burke Engineering, LLC PNC Center 115 W. Washington Street Indianapolis IN 46204	CHRIBBU-01

COVERAGES **CERTIFICATE NUMBER:** 723869056 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
	☐ CLAIMS-MADE ☐ OCCUR						MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
							GENERAL AGGREGATE	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$
	☐ POLICY ☐ PRO-JECT ☐ LOC							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ☐ NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	☐ UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	☐ EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N						WC STATU-TORY LIMITS ☐ OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐	N/A					E.L. EACH ACCIDENT	$
	(Mandatory in NH)						E.L. DISEASE - EA EMPLOYEE	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	$
A	Professional Liability			SLSLPRO26220017	6/1/2017	6/1/2018	Each Occurrence General Aggregate	$1,000,000 $2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

The limits shown above are for the entire practice policy and are not dedicated to any single project. - Proof of Insurance Only

CERTIFICATE HOLDER

Proof of Coverage
-

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Daniel G. Kfarazo

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1.	Case Name	Derek Brettman v. Texana Pickle Producers, et al.
	Case #	15 LA 76
	Court	McHenry County Circuit Court, IL
	Basis	Car Accident
	Outcome	Pending

2.	Case Name	Maureen Burd v. Village of Elmwood Park, et al.
	Case #	2014 L 06014
	Court	Circuit Court of Cook County, IL
	Basis	Pedestrian Fall
	Outcome	Pending

3.	Case Name	Bettenhausen v. Plote
	Case #	2016 L 1956
	Court	In the Circuit Court of Cook County, Illinois
	Basis	Complaint filed 2/24/16 Construction worker accident
	Outcome	Pending

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [ ] Design Engineering
- [ ] Wastewater Improvements
- [2] Stormwater Engineering
- [ ] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: 

Print Name .....: Michael Kerr

Position/Title.....: Executive Vice President

Company Name ...: Christopher B. Burke Engineering, Ltd.

Address line 1 .....: 9575 W. Higgins Road, Suite 600

Address line 2 .....: Rosemont, IL 60018

Telephone.....: 847-823-0500

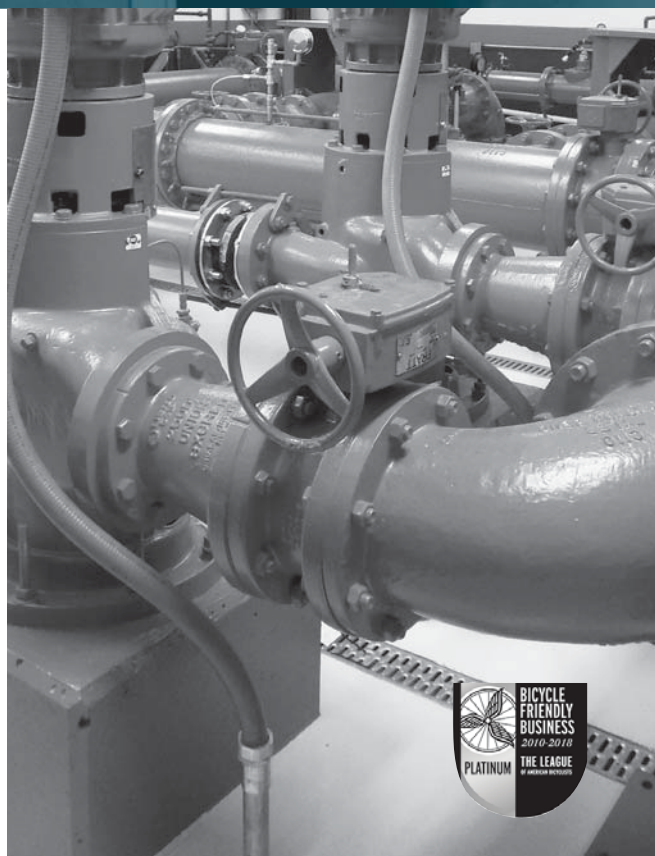
OCTOBER 19, 2017

BENSENVILLE
GATEWAY TO OPPORTUNITY

WASTEWATER RELATED IMPROVEMENTS

SUBMITTED TO:
JOSEPH M. CARACCI, PE
DIRECTOR OF PUBLIC WORKS
VILLAGE OF BENSENVILLE
717 E. JEFFERSON STREET
BENSENVILLE, IL 60106

SUBMITTED BY:
MICHAEL KERR, PE
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 WEST HIGGINS ROAD | SUITE 600
ROSEMONT, IL 60018
mkerr@cbbel.com



CHRISTOPHER B. BURKE ENGINEERING, LTD.

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 West Higgins Road Suite 600 Rosemont, Illinois 60018 TEL (847) 823-0500 FAX (847) 823-0520

October 19, 2017

Village of Bensenville
717 E. Jefferson Street
Bensenville, IL 60106

Attention: Mr. Joseph M. Caracci, PE, Director of Public Works

Subject: Statement of Qualifications for Civil Engineering Services
Wastewater Related Improvements

Dear Mr. Caracci:

Christopher B. Burke Engineering, Ltd. (CBBEL) is pleased to submit one original, four copies and one electronic copy of our statement of qualifications. The material presented is in compliance with the guidelines indicated in your request. The Statement of Qualifications and Consultant Evaluation forms are also included in our submittal.

The contact person for this proposal is Mr. Michael Kerr, PE, Executive Vice President in our Rosemont office. Mike can be reached at (847) 823-0500 to answer any of your questions.

We trust the information presented demonstrates our ability to provide the necessary engineering services for this category. CBBEL appreciates the opportunity to be considered for this work and we look forward to continuing our working relationship with the Village of Bensenville.

Sincerely,

Christopher B. Burke, PhD, PE, D.WRE, Dist.M.ASCE
President

TABLE OF CONTENTS

WASTEWATER SHORT LIST QUALIFICATIONS

TAB 1 INTRODUCTION
FIRM EXPERIENCE
IDOT SEFC

TAB 2 PROJECT EXPERIENCE

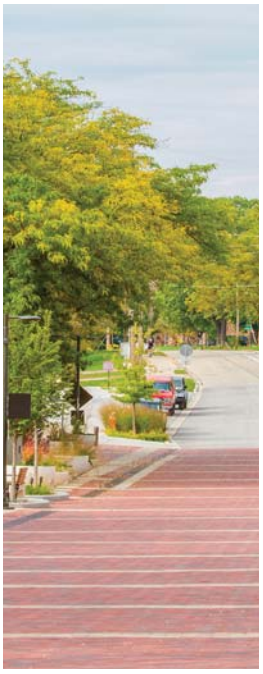
TAB 3 STAFFING
ORGANIZATIONAL CHART

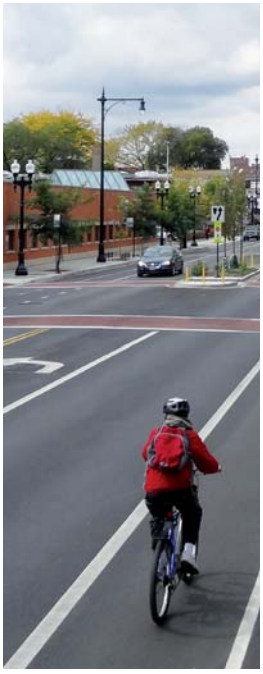
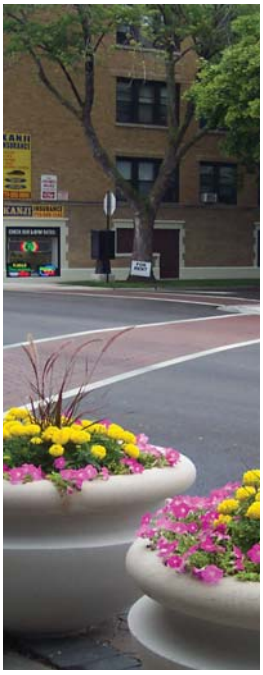
TAB 4 VILLAGE REQUIRED FORMS
INSURANCE
LITIGATION



TAB 1
INTRODUCTION

FIRM EXPERIENCE

FIRM HEADQUARTERS

Christopher B. Burke Engineering, Ltd. (CBBEL)
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
T: 847.823.0500 | F: 847.823.0520
cbbel.com

Christopher B. Burke Engineering, Ltd. (CBBEL) is unique among consulting engineering and surveying firms in that we are a full-service company that can comprehensively meet the needs of both private and public sector clients. Guided by founder and President Christopher B. Burke, our "family business" corporate philosophy allows for a level of personal service that ensures peace of mind. Our Illinois based staff of 207 and expansive list of specializations—civil, municipal, transportation, water resource, mechanical, structural, construction, traffic, and environmental engineering and environmental resource services—provide professionalism and a depth of expertise that promote project success.

(Please refer to the Design Engineering Submittal for comprehensive Firm Experience)

86 LICENSED PROFESSIONALS

TOTAL STAFF **207**

31 YEARS IN BUSINESS

13 DIVERSE DEPARTMENTS (LOCAL STAFF):	
REVIEW AND INSPECTIONS	6
CIVIL ENGINEERING DESIGN	29
SURVEYING (4 CREWS)	12
ENVIRONMENTAL RESOURCES	17
CONSTRUCTION ENGINEERING	36
DESIGN/BUILD	9
WATER RESOURCES ENGINEERING	23
TRAFFIC OPERATIONS	9
MECHANICAL/ELECTRICAL ENGINEERING	10
PHASE I ENGINEERING	8
DRAINAGE	8
STRUCTURAL ENGINEERING	7
LANDSCAPE ARCHITECT	1

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

April 28, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Christopher Burke
BURKE, CHRISTOPHER B. ENG., LTD.
9575 W. Higgins Road
Suite 600
Rosemont, IL 60018

Dear Christopher Burke,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $61,600,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 123.20% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR BURKE, CHRISTOPHER B. ENG., LTD.

CATEGORY	STATUS
Special Services - Electrical Engineering	X
Environmental Reports - Environmental Assessment	X
Special Services - Mechanical	X
Special Studies - Traffic Signals	X
Special Services - Sanitary	X
Hydraulic Reports - Waterways: Complex	X
Special Studies - Feasibility	X
Highways - Roads and Streets	X
Hydraulic Reports - Pump Stations	X
Special Services - Construction Inspection	X
Hydraulic Reports - Waterways: Typical	X
Special Studies - Location Drainage	X
Special Studies - Pump Stations	X
Environmental Reports - Environmental Impact Statement	X
Special Services - Surveying	X
Special Studies - Traffic Studies	X
Special Studies - Lighting: Typical	X
Special Studies - Safety	X
Highways - Freeways	X
Location Design Studies - New Construction/Major Reconstruction	X
Special Studies - Lighting: Complex	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Location Design Studies - Rehabilitation	X
Structures - Highway: Simple	X
Special Services - Landscape Architecture	X
Special Studies - Signal Coordination & Timing (SCAT)	X
Structures - Highway: Typical	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

TAB 2
PROJECT EXPERIENCE

PROJECT EXPERIENCE

We have included a few of our most recent Wastewater Related Improvements project experience. CBBEL understands the importance of our municipal clients and we strive to meet their special demands. We encourage you to contact the client contacts listed below.

Project / Client	East Main Pump Station / Lake County Public Works
Scope of Work /	 The project consisted of the design of rehabilitation for a 35-year old, 21.2 MGD regional sanitary sewage pump station owned and operated by the Lake County Public Works Department. Project improvements included: 450 kw trailed mounted diesel engine driven standby generator; 1,200 amp transfer switch for emergency power; replacement of cone valve hydraulic operating system with electric operators; 15 kVA uninterruptable power supply (UPS) for cone valve operator; replacement of two 4'-wide channel screens and mechanical collectors with new mechanical screening shredders; new SCADA; and launcher for pipe monitoring probe.
Contractor / Client POC	IHC / Dave Humbert (847) 377-7145
Project Team	Mark Emory, PE - Project Manager Kevin Baldwin, PE - Project Engineer Gerald Hennelly - Sr. Engineering Technician
Construction Cost / Fee / Funding / Year	$2,400,000 / $102,000 / Local / 2011-2016

Project / Client	Excess Flow Improvements / Lake County Public Works
Scope of Work /	 The project included the design of a 25 MGD diversion structure and diversion pump station to relieve high flows in a 42" interceptor sewer owned and operated by the County. The project included hydraulic modeling of 6 miles of interceptor sewer, a feasibility study, design of a vortex solids separator, aeration of storm lagoons, new effluent structures, new SCADA, electrical service and controls. The project was funded with an IEPA SRF low interest loan.

PROJECT EXPERIENCE

Contractor / Client POC	Boller Construction / Dave Humbert (847) 377-7145
Project Team	Mark Emory, PE - Project Manager Kevin Baldwin, PE - Project Engineer Gerald Hennelly - Sr. Engineering Technician
Construction Cost / Fee / Funding / Year	$5,400,000 / $440,000 / IEPA Loan / 2015

Project / Client	Menards Lift Station Rehabilitation / Village of Glendale Heights
Scope of Work /	The work included the removal of the existing underground can type lift station, reconnection to the existing force main, modifications to expand precast concrete pump control/standby generator building, concrete weatherproofing, electrical work and station controls, SCADA equipment and programming, installation of 3 new submersible pumps within the existing 20' deep by 8' diameter concrete wet well, bypass pumping, installation of a new flow meter in new manhole, new valve vault, site lighting and landscape restoration. 
Contractor / Client POC	Manusos / Jeff McCumber (630) 260-6040
Project Team	John Caruso, PE – Project Manager Katrina Ballado, PE, LEED AP – Project Engineer Kevin Baldwin, PE – Project Engineer Dave Dobson, PE – Resident Engineer
Construction Cost / Fee / Funding / Year	$630,000 / $32,000 / Local / 2016

Project / Client / Contact	Sanitary Sewer Lift Station Study / City of Wood Dale
Scope of Work /	The work included field reconnaissance to assess the condition of each of the 13 lift stations. Discussion of the lift station operation and maintenance (O&M) with City Public Works staff and review of the historical O&M reports and work orders. A number of the lift stations were old and in deteriorating condition, subject to flooding and becoming increasingly hard to maintain. The study used all available information to make a condition assessment, identify required rehabilitation, prioritize work and provide a recommended 5-year CIP with budgetary costs.

PROJECT EXPERIENCE

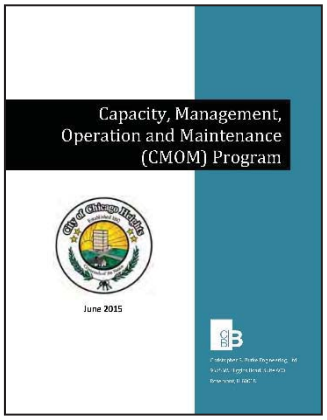
Contractor / Client POC	N/A / Matt York (630) 350-3530
Project Team	John Caruso, PE – Project Manager David Sulkowski, PE – Resident Engineer Gerald Hennelly – Mechanical/Electrical
Construction Cost / Fee / Funding / Year	N/A / $37,500 / Local / 2014

Project / Client / Contact	Sunnyside Sanitary Interceptor Sewer Replacement / Village of Westchester
Scope of Work /	The project includes the replacement of approximately 5,100 feet of existing 24" through 30" sanitary interceptor sewer along a new alignment. The existing sewer is located along Salt Creek entirely within the Forest Preserve District of Cook County (FPDCC) with three creek crossings. The new sewer replacement is located along a new alignment primarily within roadway right-of-way and bike paths with only about 1,100 feet located in the FPDCC and only one creek crossing. 
Contractor / Client POC	N/A (Out to Bid) / Jay Dalicandro (708) 345-0041
Project Team	David Sulkowski, PE – Project Manager Mark Emory, PE – Project Engineer Kevin Baldwin, PE – Project Engineer
Construction Cost / Fee / Funding / Year	Est. $3,000,000 $150,000 / IEPA Loan / 2014 - Present

Project / Client / Contact	Basin 384 N. Sanitary Sewer Lining / Village of Westchester
Scope of Work /	The project included approximately 13,620' of existing 10", 12", 18", 24" and 27" sewers including lateral service reconnections, trimming of protruding taps, grouting of lateral connections, installation of sewer cleanouts as necessary, point repair excavations and restoration of areas disturbed by construction. The project also included the replacement of an entire manhole to 

PROJECT EXPERIENCE

	manhole sewer segment that was deemed to be too deteriorated for reliable rehabilitation by the CIPP method.
Contractor / Client POC	Insituform Technologies USA / Jay Dalicandro (708) 345-0041
Project Team	David Sulkowski, PE – Project Engineer Kevin Baldwin, PE – Project Engineer Chris Faust, PE – Resident Engineer
Construction Cost / Fee / Funding / Year	$770,000 / $26,000 / Local / 2012 - 2013

Project / Client / Contact	USEPA Compliance to SSOs / City of Chicago Heights
Scope of Work /	 The project included collection, review and analysis of information on the City's sanitary sewer system including records of sanitary sewer backups and overflows, previous system investigations and completed rehabilitation work. Preparation of the SSO Elimination Plan and Report that included a description of the SSO tributary areas and issues, compilation of completed sewer investigative studies and rehabilitation work, and the proposed work and schedule necessary to eliminate the SSO's. Preparation of budgetary costs associated with the SSO Elimination Plan studies and rehabilitation work. Preparation of the CMOM document for the City's sanitary sewer system. Coordination with the USEPA regarding the City's requirements under the Compliance Order to eliminate the SSO's. Preparation of the response letters to the U.S.E.P.A. comment letters on the preliminary documents previously submitted to the U.S.E.P.A. regarding the Compliance Order.
Contractor / Client POC	N/A / Karen Zerante (708) 755-3036
Project Team	John Caruso, PE – Project Manager David Sulkowski, PE – Project Engineer
Construction Cost / Fee / Funding / Year	N/A / $90,000 / Local / 2014 - 2015

TAB 3
STAFFING

BENSENVILLE
GATEWAY TO OPPORTUNITY

OVERALL PROJECT MANAGER

John Caruso, PE

Mark Emory, PE
David Sulkowski, PE
Kevin Baldwin, PE

STAFFING

Our team of professionals has the skills and experience required for the proposed services. Our team includes experts in the design of new lift stations, pump stations, sanitary sewers and analysis and design for rehabilitation of existing facilities. Our Wastewater Design Team is also familiar with CMOM programs and IEPA grant submittals. On complex or multi-faceted projects, it may be essential for our Wastewater Design Team to consult with one of CBBEL's other disciplines. Almost all of our proposed Wastewater Design Team has been together for five years or more. Detailed resumes are available upon request.

Name/Registration/ Title	Yrs Exp/ @Firm	IDOT/Municipal Project Experience
 John Caruso / PE / Mechanical/ Electrical Department Head	29/29	Mr. Caruso's experience is concentrated in design and construction observation services related to roadway lighting/electrical systems, potable water supply facilities and wastewater and stormwater control pumping stations. His experience includes a range of engineering disciplines including civil, mechanical, electrical and telemetry controls. He has performed as design and resident engineer for a variety of pump station projects. This field experience together with his design experience provides him with the ability to execute complete project designs. John has designed recent pump station projects for numerous municipalities including Lombard, Rosemont, Glendale Heights, Chicago Heights and numerous private sector clients. Mr. Caruso performs water model analyses using Infowater, WaterCAD and EPANET. Mr. Caruso has 29 years of experience with an extensive background in municipal stormwater related facilities as well as construction engineering of such facilities. John has an extensive knowledge of the Village's facilities and was the project manager and lead designer of the IL Route 53 Storm Water Pump Station. He has designed numerous potable and stormwater pump stations as seen in our Project Experience and has a comprehensive knowledge of pump station design providing innovative solutions to complex projects. Mr. Caruso also recently completed the design of and is currently constructing the New Lenox Potable Water Booster Station.
 Mark Emory / PE /	41/21	Professional Engineer with extensive experience in engineering projects in the fields of potable water systems, wastewater collection and treatment, storm water and pumping system applications. Experienced in civil, mechanical and electrical engineering disciplines. Overall experience includes field investigations and troubleshooting, planning studies, water system evaluations with distribution network hydraulic modeling, preliminary engineering, final design and preparation of contract documents, bidding assistance, construction observation and shop drawing review.

STAFFING

Name/Registration/ Title	Yrs Exp/ @Firm	IDOT/Municipal Project Experience
Pumping Applications Section Head		Mr. Emory has designed and provided construction observation services on numerous potable water and waste water facilities during his engineering career. Among these facilities, Mr. Emory has served as the lead design engineer or resident engineer on over 16 projects with masonry buildings, masonry rehabilitation, and/or truss roof construction. These projects range from smaller vault type structures similar to the Central Station Reservoir to masonry facades for large ground storage tanks and waste water treatment structures. Included in these projects was the South Booster Station for the Village and the Hawthorn Woods Potable Water Facility summarized on the Fact Sheet in the Project Experience Section of our proposal. Other CBBEL example projects include the Riverside 63 Pine Pump Station, the Gregg's Landing Milwaukee Road Lift Station Control Building, and the Hillside-Berkeley Water Commission Generator Replacement project.
 David Sulkowski / PE / Senior Civil Engineer	42/22	Mr. Sulkowski has extensive experience in a broad range of projects including the planning, review, analysis, and design for municipal projects primarily related to water supply and wastewater collection, from small rehabilitation/replacement projects to major extensions of water and sewer systems. Design work includes the development of construction plans and specifications including project permitting, assistance during project bidding, and shop drawing review. Planning studies include the development and evaluation of alternative project concepts, hydraulic analysis and design, cost estimates, economic evaluation, preparation of facility plan reports, and water and sewer rate studies. Representative projects include the Hillside Berkeley Water Commission $5 million Water Transmission Main project that included approx. 22,000 feet of 16" water transmission main with approx. 6,300 feet installed by directional boring installed through the Village of Bellwood; Hawthorn Woods Midlothian Road Corridor Sanitary Sewer project that included approx. 4,320 feet of 8" through 12" sanitary sewer, 11,120 feet of forcemain and two new lift stations; the 4,300-foot 20" water transmission main for the South Booster Station in Lombard installed within Meyers Road (DuPage County Highway 25); the concept study to provide water and sanitary service to the unincorporated Medinah Area in DuPage County; and the Village wide water metering equipment feasibility study for Glendale Heights to establish the economic equipment replacement program and financing options.

STAFFING

Name/Registration/ Title	Yrs Exp/ @Firm	IDOT/Municipal Project Experience
 Kevin Baldwin / PE / Mechanical Engineer	11/11	Professional Mechanical Engineer focused on pumping stations and water distribution system modeling along with knowledge of HVAC, electrical, roadway/site lighting, SCADA and irrigation design. Project responsibilities include initial design process, evaluating design and modeling scenarios, creating layout exhibits, preparation of construction plan drawings and specifications, developing cost estimates, construction observation, and shop drawing reviews. Working with a multifaceted department of mechanical and electrical engineers, Mr. Baldwin has recently participated in designs for the Excess Flow Improvements and East Main Pump Station Facility Improvements for Lake County Public Works Department; Well No. 10 Pump Station Improvements for the Village of New Lenox; Potable Water Pump Station Upgrades, Hillside-Berkeley; and the South Booster Station for the Village of Lombard. Recent Water modeling scenarios performed for the Village of New Lenox, Village of Shorewood, Village of Lincolnwood, Village of Bensenville, City of Wheaton, and Cornerstone Development in Grayslake. Kevin is currently working on a water model for potential water distribution system upgrades for O'Hare Airport.

TAB 4
VILLAGE REQUIRED FORMS

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 9/27/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Donne Insurance Group, Inc
7777 W. 159th Street
Suite B
Tinley Park IL 60477

CONTACT NAME: Gail Pope
PHONE (A/C, No, Ext): (708) 429-3100 FAX (A/C, No): (708) 429-3105
E-MAIL ADDRESS: Gail.Pope@DonneInsurance.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: The Phoenix Ins Co	25623
INSURER B: Travelers Ind Co Of Con	25682
INSURER C: The Travelers Ind Co	25658
INSURER D: Travelers Casualty & Surety	19038
INSURER E:	
INSURER F:	

INSURED
Christopher B. Burke Engineering Ltd.
9575 W. Higgins Road
Suite 600
Rosemont IL 60018

COVERAGES **CERTIFICATE NUMBER:** 2017-2018 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR X Blanket Contractual Liab GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT X LOC OTHER:			680-3H482979	10/15/2017	10/15/2018	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 300,000 $ 10,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
B	AUTOMOBILE LIABILITY X ANY AUTO X ALL OWNED AUTOS X SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS			BA-6760L521	10/15/2017	10/15/2018	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
C	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED X RETENTION $ 10,000			CUP-2C769665	10/15/2017	10/15/2018	EACH OCCURRENCE AGGREGATE	$ 10,000,000 $ 10,000,000
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		UB-7639Y370	10/15/2017	10/15/2018	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
General liability policy includes blanket additional insured status, primary and non-contributory coverage and waiver of subrogation per form CG D3 81 09 07. Workers compensation policy includes waiver of subrogation per form WC 00 03 13. Automobile liability policy includes blanket additional insured status per form CA 20 48 02 99 and waiver of subrogation per form CA T3 40 02 99.

CERTIFICATE HOLDER
Proof of Coverage

CANCELLATION
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
W Donne, CPCU, ARM/GA William A. Donne

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 5/18/2017

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IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Shawna Zamora
Assurance Agency, Ltd. One Century Centre 1750 E. Golf Road Schaumburg, IL 60173	PHONE (A/C, No, Ext): (847) 463-7120 FAX (A/C, No): (847) 220-9234 E-MAIL ADDRESS: szamora@assuranceagency.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Starr Surplus Lines Insurance Compa	
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED	
Christopher B. Burke Engineering, LLC PNC Center 115 W. Washington Street Indianapolis IN 46204	CHRIBBU-01

COVERAGES **CERTIFICATE NUMBER:** 723869056 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
	☐ CLAIMS-MADE ☐ OCCUR						MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
							GENERAL AGGREGATE	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$
	☐ POLICY ☐ PRO-JECT ☐ LOC							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ☐ NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	☐ UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	☐ EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N						WC STATU-TORY LIMITS ☐ OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐	N/A					E.L. EACH ACCIDENT	$
	(Mandatory in NH)						E.L. DISEASE - EA EMPLOYEE	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	$
A	Professional Liability			SLSLPRO26220017	6/1/2017	6/1/2018	Each Occurrence General Aggregate	$1,000,000 $2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

The limits shown above are for the entire practice policy and are not dedicated to any single project. - Proof of Insurance Only

CERTIFICATE HOLDER

Proof of Coverage
-

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Daniel G. Kfarazo

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1.	Case Name	Derek Brettman v. Texana Pickle Producers, et al.
	Case #	15 LA 76
	Court	McHenry County Circuit Court, IL
	Basis	Car Accident
	Outcome	Pending

2.	Case Name	Maureen Burd v. Village of Elmwood Park, et al.
	Case #	2014 L 06014
	Court	Circuit Court of Cook County, IL
	Basis	Pedestrian Fall
	Outcome	Pending

3.	Case Name	Bettenhausen v. Plote
	Case #	2016 L 1956
	Court	In the Circuit Court of Cook County, Illinois
	Basis	Complaint filed 2/24/16 Construction worker accident
	Outcome	Pending

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [ ] Design Engineering
- [4] Wastewater Improvements
- [ ] Stormwater Engineering
- [ ] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: 

Print Name .....: Michael Kerr

Position/Title.....: Executive Vice President

Company Name ...: Christopher B. Burke Engineering, Ltd.

Address line 1 .....: 9575 W. Higgins Road, Suite 600

Address line 2 .....: Rosemont, IL 60018

Telephone.....: 847-823-0500

CIORBA GROUP | Consulting Engineers
Quality engineering solutions for the community

5507 N. Cumberland Avenue, Chicago, Illinois 60656-1471 ■ Tel 773.775.4009 ■ Fax 773.775.4014 ■ www.ciorba.com

October 19, 2017

Mr. Joseph M. Caracci, P.E.
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, Illinois 60106

Subject: **Request for Qualifications Establishment of Short-Lists for Civil Engineering Services**

Dear Mr. Caracci:

Enclosed please find one (1) original, four (4) hard copies and one (1) electronic copy of our proposal for Civil Engineering Services. Ciorba Group has been providing municipal engineering services for decades to its clients and will provide the Village of Bensenville with exceptional service on its upcoming public improvements.

Why Ciorba?
The Village of Bensenville has the challenge of selecting a short list of engineering firms to assist in carrying out **headache free** studies, designs, and construction engineering services for various public infrastructure improvement projects. Ciorba Group not only has the necessary engineering expertise but also understands the importance of the **stakeholder relationship** during all phases of a project. Our Project Team will be totally committed to providing timely, innovative and **cost-effective engineering services** that will satisfy the needs of the Village. Ciorba Group's success on municipal engineering projects stems from our long history of providing engineering services to local government agencies.

Ciorba's engineers and technicians all share a proven dedication to serving our clients that honor us with their trust. Ciorba's goal of providing **"Quality Engineering Solutions for the Community"** is what drives our staff in their daily work to the benefit of our clients and the general public.

Should you have any questions about this proposal, please contact me at 773-355-2961 or at twolff@ciorba.com

Sincerely,

CIORBA GROUP, INC.

M. Anthony Wolff, PE, CFM
Municipal Group Manager

CIORBA GROUP | Consulting Engineers





STATEMENTS OF QUALIFICATIONS FOR:

CIVIL ENGINEERING SERVICES

PREPARED FOR:

BENSENVILLE
GATEWAY TO OPPORTUNITY

October 19, 2017



Quality Engineering Services for the Community

5507 N. Cumberland Avenue, Suite 402, Chicago, Illinois, 60656
www.ciorba.com | P: 773.775.4009 | F: 773.775.4014
Tony Wolff, PE, CFM | twolff@ciorba.com

Table of Contents

1. **Evaluation Form**

2. **Statement of Qualifications**
   Statement of Experience and Financial Condition
   Project Experience
   Project Team

3. **Statement of Qualifications Form**

4. **Client Evaluations**

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[x] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/11/2016

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IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Willis of Illinois, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 372305191 USA	CONTACT NAME: PHONE (A/C, No, Ext): 1-877-945-7378 FAX (A/C, No): 1-888-467-2378 E-MAIL ADDRESS: certificates@willis.com
	INSURER(S) AFFORDING COVERAGE — NAIC #
	INSURER A : Beazley Insurance Company, Inc. — 37540
INSURED Ciorba Group, Incorporated Jerry Heimsoth 5507 N Cumberland Ave, Ste 402 Chicago, IL 606561471	INSURER B : INSURER C : INSURER D : INSURER E : INSURER F :

COVERAGES **CERTIFICATE NUMBER:** W1670901 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ CLAIMS-MADE ☐ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	☐ POLICY ☐ PRO-JECT ☐ LOC						PRODUCTS - COMP/OP AGG	$
	OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ☐ NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	☐ UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	☐ EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						☐ PER STATUTE ☐ OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ (Mandatory in NH)	N / A					E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	Professional Liability			V15W2G160801	10/01/2016	10/01/2017	Per Claim: $5,000,000 Aggregate: $5,000,000	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

Sample
For Proposal Purposes
IL

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 12/27/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Marsh Sponsored Programs
a division of Marsh USA Inc.
PO Box 14404
Des Moines IA 50306

CONTACT NAME:
PHONE (A/C, No, Ext): 800-338-1391 FAX (A/C, No): 888-621-3173
E-MAIL ADDRESS: acecclientrequest@marsh.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Sentinel Insurance Company Ltd	11000
INSURER B : Hartford Insurance Company of Illinois	38287
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
Ciorba Group, Inc.

5507 N Cumberland Avenue
Chicago, IL 60656-1471

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY			84SBWPD2677 Prof. Liab. Excl.	12/31/2016	12/31/2017	EACH OCCURRENCE	$1,000,000
	X COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$1,000,000
	CLAIMS-MADE X OCCUR						MED EXP (Any one person)	$10,000
							PERSONAL & ADV INJURY	$1,000,000
							GENERAL AGGREGATE	$2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$2,000,000
	POLICY X PRO-JECT LOC							$
A	AUTOMOBILE LIABILITY			84UEGJG2404	12/31/2016	12/31/2017	COMBINED SINGLE LIMIT (Ea accident)	$1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS / NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
A	X UMBRELLA LIAB X OCCUR			84SBWPD2677	12/31/2016	12/31/2017	EACH OCCURRENCE	$8,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$8,000,000
	DED X RETENTION $ 10,000							$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N	N / A		84WEGBJ9365	12/31/2016	12/31/2017	X WC STATU-TORY LIMITS OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)						E.L. EACH ACCIDENT	$1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$1,000,000
							E.L. DISEASE - POLICY LIMIT	$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

Ciorba Group, Inc.

5507 N Cumberland Avenue
Chicago, IL 60656-1471

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Litigation

Claims or potential claims against Professional Liability Insurance
Over the past five years
2012-2017

1	**Case Name:**	Aletha White vs. Bigane Paving Co, City of Chicago, Reliable Contracting and Equipment Company and Ciorba Group, Inc.
	Case Number:	13L2735
	Court	Circuit Court of Cook County, Illinois
	Basis	Defendant claims injury suffered around or in construction area where Ciorba was performing construction engineering services for the City of Chicago DOT.
	Outcome	Settled in 2015.

2	**Case Name:**	Brian Doherty v. AMEC et al
	Case Number:	14L012107
	Court	Circuit Court of Cook County, Illinois
	Basis	Defendant claims injury suffered on I-90.
	Outcome	Plaintiff voluntarily dismissed Ciorba from this matter in April 2015.

3	**Case Name:**	Jakubowski v. Ciorba et al
	Case Number:	17L471
	Court	Circuit Court of Cook County, Illinois
	Basis	There was a fatality at the site of a pedestrian improvement project where we completed the Phase II and Phase III engineering.
	Outcome	Pending

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

September 27, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Gerald Heimsoth
CIORBA GROUP, INC.
5507 N. Cumberland Avenue
Suite 402
Chicago, IL 60656

Dear Gerald Heimsoth,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $14,400,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 160.52% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR CIORBA GROUP, INC.

CATEGORY	STATUS
Special Services - Electrical Engineering	X
Special Services - Mechanical	X
Special Studies - Pump Stations	X
Highways - Freeways	X
Highways - Roads and Streets	X
Special Services - Construction Inspection	X
Structures - Highway: Complex	X
Structures - Highway: Typical	X
Structures - Highway: Simple	X
Structures - Railroad	X
Structures - Highway: Advanced Typical	X
Special Studies - Traffic Studies	X
Special Studies - Lighting: Typical	X
Special Studies - Location Drainage	X
Hydraulic Reports - Pump Stations	X
Hydraulic Reports - Waterways: Complex	X
Hydraulic Reports - Waterways: Typical	X
Special Studies - Traffic Signals	X
Special Studies - Safety	X
Location Design Studies - Rehabilitation	X
Location Design Studies - New Construction/Major Reconstruction	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Special Studies - Feasibility	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

Project Experience

EXPERIENCE SUMMARY

Project Name/Local Agency Client	Design Engineering	Wastewater Improvements	Stormwater Engineering	Resident Engineering
Harlem Avenue Pavement Rehabilitation and Water Main Consolidation *(Village of Glenview)*	✓			
St. Colette Road & Berdnick Street Water Main Improvements *(City of Rolling Meadows)*	✓			✓
Central Reservoir and Pump Station Improvements *(Village of Oak Park)*	✓			✓
Emergency Water Supply Study *(Village of Lincolnshire)*	✓			
Lift Station Reconstruction Program *(Village of Buffalo Grove)*	✓	✓		✓
Austin Avenue Improvements *(Village of Morton Grove)*	✓	✓	✓	
Bode Road and Harmon Boulevard Rehabilitation *(Village of Hoffman Estates)*	✓			✓
First Avenue Flood Control *(Metropolitan Water Reclamation / District of Greater Chicago)*	✓		✓	
Street Lighting Program Management *(Village of Mount Prospect)*	✓			
Stormwater Permit Review Services *(DuPage County Stormwater Management)*			✓	

Project Experience

Project	**Harlem Avenue Pavement Rehabilitation and Water Main Consolidation**
Client	Village of Glenview
Scope of Work **Phase I** **Phase II** **Contact:** **Adriana Webb** **Project Manager** **847.904.4414**	Ciorba Group provided the Village of Glenview with preliminary and design engineering services for the replacement of multiple parallel water mains and pavement rehabilitation on Harlem Avenue. Project limits are from Glenview Road to Golf Road, a distance of 6,400 feet. The pavement rehabilitation utilized federal STP funds so all Phase I roadway studies and Phase II design plans and specifications were completed in accordance with IDOT BLR&S requirements. Ciorba coordinated the Phase I work with the Village, IDOT and any stakeholder municipalities in order to ensure all interests were met and that guidelines for Federally funded projects were met. From a water supply standpoint, Phase I work included a desk study of the existing system, demand estimation of users impacting pipe sizing, hydraulic analysis using WaterCad, a routing analysis of the consolidated main, fire flow analysis, and a matrix evaluation of alternatives. The selected alternative was to consolidate the multiple parallel water mains into a single large diameter transmission main. Roadway improvements consisted of pavement milling and patching, intermittent curb and gutter replacement, sidewalk replacement at intersections to meet ADA requirements, HMA resurfacing, pavement striping and site restoration. The project was processed as a Categorical Exclusion (Group I) under IDOT's LAFO policy so a Project Development Report was not required. The preliminary engineering consisted of completing BLR 19100 along with necessary exhibits, warrant analysis to justify existing traffic signal installations and 5 years of crash data to verify there were no high accident locations within the project limits. Final design plans and specifications begun once Design Approval was received from IDOT. The Summary of Quantities identified which pay items were STP funded (roadway) and which items were Village funded (water main). The plans and specifications were reviewed and approved by IDOT BLR&S and submitted to the Central Office for bidding.
Project Team	Project Manager (Overall) Tony Wolff, PE, CFM Project Engineer (Water) Luke Mattson, PE Project Manager (Roadway) Duane O'Laughlin, PE Project Engineer (Roadway) Joseph Attanaseo, PE
Construction Cost/Fee/Year	$4.7 Million/$177,000/2016







Project Experience

Project	**St. Colette Road & Berdnick Street Water Main Improvements**
Client	City of Rolling Meadows
Scope of Work **Phase I** **Phase II** **Phase III** **Contact:** **Mr. Rob Horne** **Assistant Public Works Director** **847.963.0500**	The City of Rolling Meadows selected Ciorba Group to provide design and construction engineering services to replace and extend 1,450 feet of 8-inch water main at two separate locations. The first location, Berdnick Street, includes 250 feet of water main along a heavily traveled industrial corridor, requiring business coordination and sequenced installation to eliminate road closures. The second location, St. Colette Road, includes 1,200 feet of water main across private property, to close a loop in a neighborhood area. Coordination with and easement acquisition from the private owner was required. Design efforts included routing analysis, material selection, preparation of plans, specification, estimates, and public bid assistance. Construction engineering services included close coordination with property owners and the Village. The existing Berdnick Street watermain is an 8-inch main with a 400-foot gap, creating two dead ends. Closing this loop will benefit the local pressure zone and supplement fire protection capacity, a critical feature of the industrial corridor. Although a relatively short run of main, Berdnick Street has a steady stream of traffic from City Public Works, local businesses, and the Veolia Transfer Station. Traffic control and communication with local stakeholders was imperative for this project section. The existing water infrastructure serving St. Colette watermain is a 6-inch main off of Pheasant Drive and a 4-inch main off of Meadow Drive. The City wished to provide a more robust network in this area by looping the watermain with an 8-inch main on St. Colette Road. This loop offers redundancy to the area and improves fire flows with the 8-inch main. The southern half of the proposed loop benefits the St. Colette Church and school, and offers redundancy to the surrounding neighborhood by closing the water main loop on St. Colette Road. An easement was required along St. Colette Road to construct across private property.
Project Team	Project Manager/Project Engineer/Resident Engineer Luke Mattson, PE Water Resources Engineer/Construction Inspector Adam Dow, PE, CFM, ENV SP QA/QC Engineer Tony Wolff, PE, CFM
Construction Cost/Fee/Year	$540,000/$26,000 (Phase II), $52,000 (Phase III)/2017







Project Experience

Project	**Central Reservoir and Pump Station Improvements**
Client	Village of Oak Park
Scope of Work **Phase I** **Phase II** **Phase III** **Contact:** **Bill McKenna, PE** **Village Engineer** **708.358.5700**	The Village of Oak Park determined the need for the rehabilitation of their 5.0 MG potable water reservoir, a critical drinking water system component serving as the primary storage facility for the community. Ciorba was selected to carry out Phase I and Phase II engineering services for the inspection and engineering evaluation of the reservoir. This preliminary engineering involved the civil engineering inspection of the reservoir interior without interruption of service, requiring both float and dive inspections to determine the structural integrity of the 90-year old reservoir. Additional inspections were required on adjacent site retaining walls, maintenance yard facilities, pump station process piping, and SCADA components. The Phase I work culminated with a project scoping memo that informed the final design scope for improvements. This Phase II design work included pump station piping improvements to address priming issues, reconstruction and rehabilitation of 4 site retaining walls, maintenance yard spoils pit and pavement reconstruction, new water level monitoring system, earth work and coating application of exterior roof slab of reservoir, select interior reservoir rehabilitation including roof patching and inlet pipe coating. Design coordination was required to accommodate the Village of Oak Park Park District project that included the reconstruction of an athletic field and community park over top of the reservoir. Ciorba Group prepared final plans, specification, and cost estimates for the project and assisted in bidding and recommendation. Ciorba Group was selected for Phase III construction observation and administration. This work included modifying the site excavation balance approach; Coordination with the Cook County Forest Preserve for temporary stockpiling; Design, bid, and construction administration of a second restoration construction contract; Construction engineering of found conditions once the site was excavated and the reservoir dewatered; Full time construction observation; Progress reporting; Pay applications; and Project Closeout.
Project Team	Project Manager Tony Wolff, PE, CFM Project Engineer Luke Mattson, PE Water Resources Engineer Adam Dow, PE, CFM, ENV SP
Construction Cost/Fee/Year	$1.2 Million/$74,000 (Phases I and II), $135,000 (Phase III)/2015

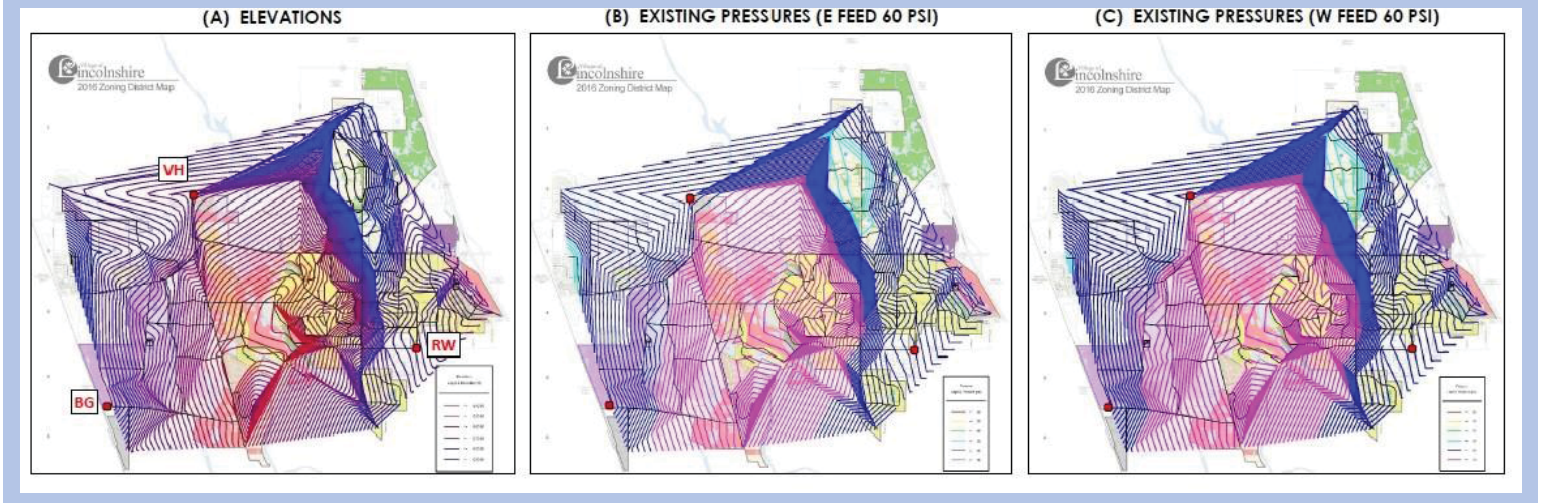






Project Experience

Project	Emergency Water Supply Study
Client	Village of Lincolnshire
Scope of Work **Phase I** **Contact:** **Terry Hawkins** **Utilities Superintendent** **847.913.2382**	Ciorba was selected by the Village of Lincolnshire to perform preliminary engineering for the existing water supply infrastructure with a focus on determining a new interconnection partner. The project scope consists of the hydraulic analysis of 67 miles of water mains in the 4.59 square mile Village serving a population of 7,275 and other water users. The project also includes the investigation of up to 5 potential emergency water source partners including municipalities and water agencies. Water modeling using WaterCAD software, was carried out during the proposal phase of the work to begin forming an understanding of emergency supply from the potential partners. A preliminary ranking was completed based on three criteria. First, demands of the partners were reviewed by comparing allocation versus reported supply to identify a snapshot of typical annual surplus in allocation. Second, elevations and boundary limit pressures were reviewed to form an understanding of possible interconnect pressures. Finally, water storage volumes were compared to average day demands to identify storage in excess of 2 x average day demand. Potential partners were ranked and an initial partner was identified. The scope for this project includes site visits, desk study, hydraulic modeling, preliminary study, Village review and collaboration, coordination with potential partners, final reporting, and presentation. Recommendations will guide future capital planning and budgeting.
Project Team	Project Manager / Engineer Luke Mattson, PE QA/QC Engineer Tony Wolff, PE, CFM
Construction Cost/Fee/Year	N/A//$36,000/2017



Project Experience

Project	**Lift Station Reconstruction Program**	
Client	Village of Buffalo Grove	
Scope of Work **Phase I** **Phase II** **Phase III** **Contact:** **Michael Skibbe** **Deputy Director of Public Works** **773.459.2545**	As part of the Villages Lift Station Reconstruction Program, Ciorba Group provided preliminary, final design and construction engineering services for the reconstruction of the Camelot and Golfview Lift Stations. The Camelot Lift Station (1,000 GPM total capacity) is a critical sewer system component serving a large residential community including public schools. Improvements included the conversion of the dry / wet pump station to a duplex submersible station with ground level control. Improvements also included a new standby generator, meter and valve vaults, and bypass pumping works. Design challenges included careful facility layout within a 10-foot utility easement shared by two ComEd transformers and switchgear, Comcast, and AT&T primary and secondary lines. Careful coordination was required with the adjacent elementary and residential properties to ensure student and pedestrian safety. The Golfview Lift Station is a duplex submersible lift station to serve a 240 acre residential and commercial area. The design capacity of the lift station is 2,800 gpm maximum in order to handle peak wet weather flows. The project consisted of converting an existing wet well / dry well station into a submersible station with ground level bypass. Improvements included the construction of a new wet well, and full mechanical, electrical, and controls installation on the site. Services included the preparation of plans and specifications; construction cost estimation; bid documents; permitting; collecting construction bids and making recommendations to the client. Ciorba Group also assisted the Village in the bidding process, value engineering, and provided engineering services during construction for both projects.	
Project Team	Project Manager/Project Engineer/Resident Engineer Luke Mattson, PE Electrical Engineer Joseph Vondra, PE, LC	Water Resources Engineer Jingyun Sun, EI Construction Inspector Adam Dow, PE, CFM, ENV SP QC/QA Engineer Tony Wolff, PE, CFM
Construction Cost/Fee/Year	Varies/Varies/2017	







Project Experience

Project	**Austin Avenue Improvements**
Client	Village of Morton Grove
Scope of Work **Phase I** **Phase II** **Contact:** **Chris Tomich, PE** **Village Engineer** **847.663.3902**	Ciorba Group provided preliminary and design engineering services for improvements to Austin Avenue from Oakton Street to Lincoln Avenue. The existing roadway is an urban section with two travel lanes and two outside parking lanes. Construction will be funded through the federal STP program; therefore, all studies, reports, and design plans will be reviewed and approved by the Illinois Department of Transportation. Ciorba performed traffic engineering studies and developed new geometry at the Austin Avenue/Oakton Street intersection to improve turning radius. A pavement evaluation was conducted to determine the scope of the roadway improvements. A Location Drainage Technical Memorandum was prepared to identify any stormwater management concerns that require correction. Alternative maintenance of traffic concepts were analyzed and a recommended approach selected for implementation. All studies were summarized in Project Development Report (Categorical Exclusion, Group II) for review and approval by IDOT BLR&S. After design approval was received Ciorba Group moved to the final design plans and specifications for the project. Based on the preliminary engineering studies, the proposed roadway improvements include reconstructing the outside parking lanes to replace the existing pozzolanic base with a full depth HMA pavement. The existing curb and gutter will be totally replaced and the inside travel lanes will be rehabilitated with bituminous patching and overlay. Other proposed improvements include increasing the radius returns at all four corners of the Oakton Street intersection to accommodate large semi-trailer trucks and modernizing the existing traffic signal installation. The southern portion of the existing storm sewer system will be replaced with an upsized pipe to alleviate flooding conditions. Approximately 1000 feet of new sanitary sewer will be installed to replace the existing sanitary force main.
Project Team	Project Manager Duane O'Laughlin, PE Project Engineer (Phase I) Mark Johnson, PE, PTOE Project Engineer (Phase II) Eric Spina, PE Lead Water Resources Engineer Tony Wolff, PE, CFM Traffic Signal Engineer Joseph Vondra, PE, LC
Construction Cost/Fee/Year	$3.3 Million / $125,000 (Phase I), $169,000 (Phase II)/ 2017



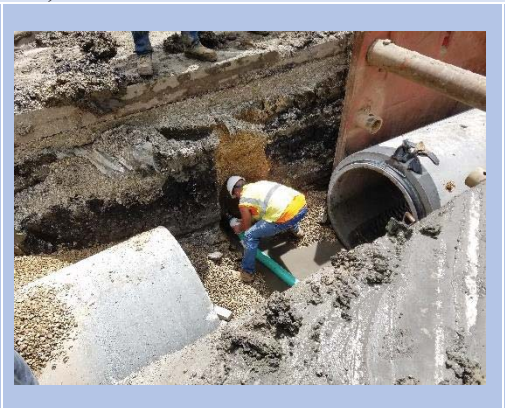




Project Experience

Project	**Bode Road and Harmon Boulevard Rehabilitation**
Client	Village of Hoffman Estates
Scope of Work **Phase II** **Phase III** **Contact:** **Alan Wenderski, PE** **Village Engineer** **847.252.5802**	Ciorba Group provided design and construction engineering services to the Village of Hoffman Estates for the rehabilitation of Bode Road and Harmon Boulevard. The project limits on Bode Road are from Woodlawn Street to Roselle Road (5200 feet) while the limits on Harmon Boulevard are from Bode Road to Golf Road (2800 feet). The pavement rehabilitation used federal STP funds for construction so all design plans, specifications, and cost estimates as well as construction documentation was completed in accordance with IDOT and FHWA requirements. Design plans, specifications and cost estimates based on the Phase I engineering completed by the Village. Phase I was processed as a Categorical Exclusion (State Approved) under IDOT's LAFO policy. The improvements consisted of pavement milling, minor pavement patching, intermittent curb and gutter replacement, public utility structure repairs, and HMA resurfacing. Sidewalk was replaced at all intersections to meet ADA requirements. Drainage improvements included replacing a collapsed section of 42 inch corrugated metal pipe with a similar diameter reinforced concrete pipe on Bode Road. Existing drainage structures at the Bode Road/Washington Street intersection were reconnected to the new pipe section. A new inlet and storm sewer was also installed to drain a depression in the south parkway of Bode Road just west of Washington Street. Topographic surveys were conducted as necessary to design the drainage improvements as well as at all intersections to verify conformance with ADA requirements. Other work included pavement striping and site restoration. The Phase II design plans and specifications were reviewed and approved by IDOT's District One and then submitted to the Central Office for bidding. Construction engineering services began by attending a preconstruction conference at IDOT's District One office and coordinating project start up with the contractor. During construction, Ciorba personnel observed the contractor's operations for conformance with the plans and specifications and measured and documented pay item quantities. Change orders and monthly pay estimates were prepared and submitted to the Village and IDOT for review and approval. Final documentation was completed and the project closed out per IDOT requirements. The Resident Engineer was also responsible for interacting with local residents and business owners to address their concerns during construction.
Project Team	Project Manager Duane O'Laughlin, PE Project Engineer Joseph Attanaseo, PE Resident Engineer Jesse Singer, PE Construction Inspector Adam Harn
Construction Cost/Fee/Year	$2.0 Million/$54,000 (Design),$117,000 (Construction)/2016 (Design), 2017 (Construction)







Project Experience

Project	First Avenue Flood Control
Client	Metropolitan Water Reclamation District of Greater Chicago
Scope of Work **Phase I** **Phase II** **Contact:** **Holly L. Sauter, PE., MPA** **Senior Civil Engineer** **312.751.5710**	Ciorba Group conducted a study and preliminary design for the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) to address a flooding problem on 1st Avenue and the adjacent neighborhood. The project area extends from Roosevelt Road to Cermak Ave, approximately one mile. The tributary area to the street is about 200 acres including Loyola Medical Center Campus and Cook County Forest Preserve. The scope of services included collecting flooding data and elevations from Village of Maywood, IDOT, Loyola Medical Center and Forest Preserve District of Cook County (FPDCC). An XPSWMM model was developed to evaluate the existing flooding and water ponding conditions within the project area. The independent hydrologic and hydraulic study performed by the Loyola University Medical Center has been incorporated into the overall XPSWMM model. Several alternatives were analyzed including underground detention, enlarged storm sewer, ditch detention and additional surface detention within Cook County Forest Preserve District property. 2, 10, 50, and 100 year storm events were evaluated for flood control purposes. Proposed wetland, bioswale and other Best Management Practices were also evaluated in the project. A final report with hydrologic and hydraulic analysis, concept design of each alternative, cost estimates and benefit/cost analysis was provided. Once a preferred alternative was agreed upon, Ciorba provided preliminary engineering design drawings to the District that can be used to proceed to final design. Ciorba coordinated with the FPDCC and IDOT to incorporate a bioswale on FPDCC property that will alleviate off-site ponding problems and reduce the volume of runoff entering the IDOT drainage system. Ciorba is expecting to begin final design services in Fall 2017.
Project Team	Project Manager Tony Wolff, PE, CFM Project Engineer Jason Xi, PE, CFM Water Resources Engineer Jingyun Sun, EI
Construction Cost/Fee/Year	$4.1 Million/$312,000 (Phase I) /Ongoing







Project Experience

Project	**Street Lighting Program Management**	
Client	Village of Mount Prospect	
Scope of Work **Phase I** **Contact:** **Mr. Sean Dorsey, PE** **Director of Public Works** **847.870.5640**	Ciorba assisted the Village of Mount Prospect in developing procedures for the inspection, maintenance, and management of their street lighting system. In addition, Ciorba studied key arterial routes identified by the Village for potential new roadway lighting. The Village's existing residential lighting system was also studied to identify potential upgrades. The project began with an analysis of the Village's existing GIS data. Recorded attributes were reviewed for accuracy and completeness. Ciorba recommended additional data fields be added so that equipment lifespan could be monitored and proactive maintenance could be planned for LED luminaires, as they are adopted. Using the Village's GIS data and repair records, Ciorba prepared recommended maintenance inventory levels for supplies used in the repair of the street lighting system. Additional data fields were recommended to allow collection of inspection data. As a result of this project, the Village has implemented an inspection program for all of their roadway lighting. Inspection procedures were prepared to allow inspections to be completed from the ground, with minimal specialty equipment. Ciorba prepared an Inspection Reference Guide to provide the inspectors with a visual reference and background information. An Inspection Rating System was developed to identify re-inspection schedules. Older equipment or items with noted concerns are re-inspected more frequently than newer equipment in good condition. Using this inspection data, the Village implemented automated generation of work tickets for inspection deficiencies that pose immediate safety concerns such as a hanging luminaires or exposed wiring. Ciorba performed a survey of key arterial corridors identified by the Village for the installation of LED street lighting as part of their 2016 to 2021 Strategic Plan. Ciorba identified areas without lighting and performed preliminary photometric calculations to determine rough pole layouts. Construction cost estimates were then prepared for each corridor based on the preliminary pole layout. Photometric calculations were performed for 10 roadway sections, covering over 15 miles of lighting. Ciorba prepared a construction cost estimate to replace all of the Village's existing high intensity discharge lighting with LED lighting. This estimate was accompanied by a recommended multi-year implementation plan. Future work tasks may include the development of standard details, development of a luminaire specification, and design plans. Ciorba also evaluated alternatives for the Village's current residential street lighting system. The study involved developing potential lighting schemes ranging from the removal of existing lighting to illuminating all roadways to IES recommended levels. Pole spacing, equipment types and budgetary costs were developed for new street lighting. Study results were summarized in a report for use by the Village Board as they explore options to address the community's request for improved residential street lighting. It is anticipated that Ciorba will continue to assist the Village to develop a guide document for future residential lighting installations.	
Project Team	Project Manager Joseph Vondra, PE, LC	Senior Lighting Engineer Daniel Johnson, PE
Construction Cost/Fee/Year	N/A / $20,000 / Ongoing	

Project Experience

Project	Stormwater Permit Review Services
Client	DuPage County Stormwater Management
Scope of Work **Phase II** **Contact:** **Jessica Spurlock, PE** **Project Engineer** **630.407.6714**	Ciorba was selected by DuPage County Stormwater Management to assist with stormwater permit reviews. Ciorba's scope of work included the following: • Review of stormwater permit applications/submittals for compliance with the DuPage County Countywide Stormwater and Flood Plain Ordinance (DCSFPO) and providing reports documenting deficiencies, recommendations, and/or compliance. Specific review categories included stormwater, floodplain, and sediment/erosion control plans. As part of the review, Ciorba also confirmed that the applicant submitted the necessary plans and permit applications and received approval from other appropriate agencies. These included The US Army Corps of Engineers, DuPage County DOT, DuPage County Forest Preserve District, the Illinois EPA, the Illinois Department of Natural Resources, and the Federal Emergency Management Agency. • Assisted with technically complex submittals including advanced hydrology and hydraulics. This included review of advanced hydraulic models, such as FEQ or unsteady HEC-RAS models. • Performed field visitations for selected permit applications to observe existing conditions and to verify as-built conditions. • Attended field/office meetings and documented discussions. Responded to applicant questions in order to help them through the permitting process.
Project Team	Project Manager Tony Wolff, PE, CFM Project Engineer Jason Xi, PE, CFM
Construction Cost/Fee/Year	N/A/$24,000 /2016



Project Experience

Name/Registration Title	Years of Experience /@Firm	Project Experience
Tony Wolff, PE, CFM Water Resources/ Municipal Group Manager	24/7	Tony has over 24 years of experience in water resources engineering and manages Ciorba's Municipal and Water Resources Groups. Tony will monitor the quality of our work to verify that it meets Ciorba's high standards. Prior to running Ciorba's Municipal and Water Resources Groups, he served as the Chief Engineer of the Lake County Stormwater Management Commission. Tony has provided project management or QA /QC review services for numerous recent Stormwater, water supply and sanitary improvement projects. • **St. Colette Road & Berdnick Street Water Main Improvements,** City of Rolling Meadows, Final Design, QA/QC Engineer • **Harlem Avenue Pavement Rehabilitation and Water Main Consolidation,** Village of Glenview, Preliminary and Final Design, Project Manager • **Simpson Street Water Main and Road Reconstruction,** Village of Morton Grove, Preliminary and Final Design, Project Manager • **Lift Station Reconstruction Program,** Village of Buffalo Grove, Preliminary, and Final Design, QA/QC Engineer • **Sheridan Crossing Detention Pond,** City of North Chicago, Preliminary, Final Design, and Construction, Project Manager • **Kensington Business Park Detention Basins Dredging Projects,** Village of Mount Prospect, Final Design and Construction, Project Manager • **Austin Avenue Improvements,** Village of Morton Grove, Preliminary and Final Design, Lead Water Resources Engineer • **Commuter Drive Reconstruction and Bicycle Path Extension,** City of Rolling Meadows and Village of Arlington Heights, Final Design, Lead Water Resources Engineer • **Meade-Moody Sanitary Design,** Village of Morton Grove, Preliminary and Final Design, Project Manager • **South Wheeling Road Drainage Improvements**, Village of Wheeling, Preliminary and Final Design, Project Manager • **Black Oak Drive Drainage Improvements,** Village of Downers Grove, Preliminary and Final Design, Project Manager • **Emergency Water Supply Study,** Village of Lincolnshire, Preliminary Engineering, QA/QC Engineer • **First Avenue Flood Control,** Metropolitan Water Reclamation District, Preliminary and Final Design, Project Manager • **Sayre/Foster Drainage Study,** Village of Morton Grove, Preliminary Engineering, Project Manager • **Stormwater Permit Review Services,** Permit Review Services, Project Manager • **Municipal Engineering Services,** Village of Morton Grove, Project Manager

Project Experience

Name/Registration Title	Years of Experience /@Firm	Project Experience
Luke Mattson, PE Municipal Project Manager	15/4	Luke has over 15 years of engineering experience specializing in water resources infrastructure improvement projects, including potable water, sanitary, and drainage design and hydraulic analysis for municipal governmental agencies. His background includes three years of international water systems design and project management experience in the country of Namibia for population centers of more than 1 million people. • **St. Colette Road & Berdnick Street Water Main Improvements;** City of Rolling Meadows; Design and Construction; Project Manager/Project Engineer/Resident Engineer. • **Harlem Avenue Pavement Rehabilitation and Water Main Consolidation**; Village of Glenview, Preliminary and design engineering services, Project Engineer (Water) • **Central Reservoir Improvements,** Village of Oak Park, Preliminary, Final Design and Construction, Project Engineer • **Ravine Drive Water Main Replacement,** City of Highland Park, Final Design and Construction, Water Resources Project Engineer • **Caldwell Avenue 12" and 20" Water Main Crossing Project,** Village of Morton Grove, Preliminary and Final Design, Project Engineer • **Lift Station Reconstruction Program,** Village of Buffalo Grove, Preliminary, Final Design and Construction, Project Manager/Project Engineer/Resident Engineer • **Louis Street and Huntington Relief Stations,** Village of Mount Prospect, Preliminary, Final Design and Construction, Project Manager/Project Engineer/Resident Engineer • **North/South Pump Station Improvements,** Village of Oak Park, Preliminary, Final Design and Construction, Project Manager/Project Engineer/Resident Engineer • **Meade-Moody Sanitary Design**, Village of Morton Grove, Preliminary and Final Design, Project Engineer • **Emergency Water Supply Study**, Village of Lincolnshire, Preliminary Engineering, Project Manager / Engineer • **Water System Capacity Analysis,** Village of Clarendon Hills, Preliminary Engineering, Project Manager/Project Engineer • **Western Development Area Water Distribution Analysis**, Village of Hoffman Estates, Preliminary Engineering, Project Engineer • **Water Supply Corridor and Route Study and Design**, Villages of Niles and Morton Grove, Preliminary and Final Design, West Corridor Team Leader. • **611 Greenbay Road Review and Inspection,** Village of Wilmette, Permit Review and Inspection, Project Engineer

Project Experience

Name/Registration Title	Years of Experience /@Firm	Project Experience
Jason Xi, PE, CFM Water Resources Project Manager	22/3	Mr. Xi has more than 22 years of experience in floodplain analysis and design, stormwater management, roadway drainage, land development and water distribution. He has extensive experience working with municipal and private clients on a variety of stormwater, roadway, and land development improvement projects. Mr. Xi has been involved in all phases of projects including concept study, preliminary engineering final engineering, and preparing construction bid documents. He is an expert user of many hydrologic and hydraulic models.
		• **First Avenue Flood Control,** Metropolitan Water Reclamation District, Preliminary and Final Design, Project Engineer • **Fairmont Flood Study**, Will County Department of Land Use, Concept study, Project Engineer • **Stormwater Permit Review Services**, DuPage County Stormwater Management, Permit Review Services, Project Engineer • **South Wheeling Road Drainage Improvements**, Village of Wheeling, Preliminary and Final Design, Project Engineer • **Black Oak Drive Drainage Improvements,** Village of Downers Grove, Preliminary and Final Design, Project Engineer • **Sayre/Foster Drainage Study,** Village of Morton Grove, Preliminary Engineering, Project Engineer • **Various/Various Preliminary and Design Engineering Services**, DuPage County Division of Transportation, Preliminary and Final Design, Water Resources Engineer • **O'Hare Modernization Program**, City of Chicago Department of Aviation, Final Design and Construction, Lead Drainage Engineer* • **Northbrook East Stormwater Management Facility Improvement**, Village of Northbrook, Preliminary, Design and Construction, Lead Project Engineer* • **Hampshire Creek Floodway Modification**, Village of Hampshire, Preliminary Engineering, Project Engineer* • **Ponds of Stony Creek**, City of Elgin, Preliminary Engineering, Project Manager* • **Fox River East Bank Redevelopment**, City of Aurora, Final Design, Hydraulic Engineer* • **Floodplain Study and Floodplain Online Detention Design**, Westbury-South & East Village, Village of Yorkville, Final Design, Hydraulic Engineer* • **Lehmann Court Stormwater Lift Station Design**, City of Chicago, Final Design, Senior Project Engineer* • **Flood Control and Lift Station Design**, Village of Plainfield, Preliminary and Final Design, Senior Project Engineer* • **River Dumoulin Flood Control,** DuPage County Division of Transportation, Preliminary Engineering, Senior Project Manager*

*Projects completed while at another firm

Project Experience

Name/Registration Title	Years of Experience /@Firm	Project Experience
Adam Dow, PE, CFM, ENV-SP Water Resources Engineer	5/5	Adam Dow is a Water Resources Engineer experienced in the study and design of water resources improvement projects, including stormwater management, water supply, and sanitary collection facilities. These projects have included new storm sewers, water mains and sanitary sewers, lift stations, pump stations, and detention and compensatory storage facilities. • **St. Colette Road & Berdnick Street Water Main Improvements,** Village of Rolling Meadows, Final Design, Water Resources Engineer/Construction Inspector • **Lift Station Reconstruction Program,** Village of Buffalo Grove, Preliminary and Final Design, Water Resources Engineer/Construction Inspector • **Central Reservoir Improvements,** Village of Oak Park, Preliminary, Design and Construction, Water Resources Engineer • **Austin Avenue Improvements,** Village of Morton Grove, Preliminary and Final Design, Water Resources Engineer • **Caldwell Avenue 12" and 20" Water Main Crossing Project,** Village of Morton Grove, Preliminary and Final Design, Water Resources Engineer • **Harlem Avenue Pavement Rehabilitation and Water Main Consolidation**; Village of Glenview, Preliminary and Design, Water Resources Engineer • **South Wheeling Road Drainage Improvements**, Village of Wheeling, Preliminary and Final Design, Water Resources Engineer • **First Avenue Flood Control,** Metropolitan Water Reclamation District, Preliminary and Final Design, Water Resources Engineer • **Sites I & J Drainage,** Village of Morton Grove, Preliminary and Final Design, Water Resources Engineer • **Fairmont Flood Study**, Will County Department of Land Use, Preliminary Engineering, Water Resources Engineer • **Various/Various Preliminary and Design Engineering Services**, DuPage County Division of Transportation, Preliminary and Final Design, Water Resources Engineer • **Meade-Moody Sanitary Design**, Village of Morton Grove, Preliminary and Final Design, Water Resources Engineer • **William Street Relief Station,** Village of Mount Prospect, Preliminary, Final Design and Construction, Water Resources Engineer • **Water Supply Corridor and Route Study and Design**, Villages of Niles and Morton Grove, Preliminary and Final Design, Water Resources Engineer

Project Experience

Name/Registration Title	Years of Experience /@Firm	Project Experience
Jingyun Sun, EI Water Resources Engineer	3/3	After graduating from the University of Iowa in 2015, Sun joined Ciorba Group's Water Resources Department. Jingyun Sun (Sun) is a Water Resources Engineer experienced in the preparation of construction plans for water resources improvement projects, including water supply, stormwater management, and sanitary lift station projects. • **Lift Station Reconstruction Program,** Village of Buffalo Grove, Preliminary and Final Design, Water Resources Engineer • **William Street Relief Station,** Village of Mount Prospect, Preliminary, Final Design and Construction, Water Resources Engineer • **Louis Street and Huntington Relief Stations,** Village of Mount Prospect, Preliminary, Final Design and Construction, Water Resources Engineer • **CubeSmart Sanitary Sewer Services,** CubeSmart Management, LLC, City of Waukegan, Final Design, Water Resources Engineer • **South Wheeling Road Drainage Improvements**, Village of Wheeling, Preliminary and Final Design, Water Resources Engineer • **First Avenue Flood Control,** Metropolitan Water Reclamation District, Preliminary and Final Design, Water Resources Engineer • **Austin Avenue Improvements,** Village of Morton Grove, Preliminary and Final Design, Water Resources Engineer • **Water Supply Corridor and Route Study and Design**, Villages of Niles and Morton Grove, Preliminary and Final Design, Water Resources Engineer • **Plum Farms Water System Analysis,** 5a7, LLC, Village of Hoffman Estates, Preliminary Engineering, Water Resources Engineer • **Evanston Water Supply Capacity Analysis,** Village of Morton Grove, Preliminary Engineering, Water Resources Engineer • **Black Oak Drive Drainage Improvements,** Village of Downers Grove, Preliminary and Final Design, Water Resources Engineer • **Water System Capacity Analysis,** Village of Clarendon Hills, Preliminary Engineering, Water Resources Engineer

Project Experience

Name/Registration Title	Years of Experience /@Firm	Project Experience
Duane O'Laughlin, PE Roadway/Construction Group Manager	32/6	Mr. O'Laughlin is the Roadway/Construction Group Manager and serves as a Project Manager for preliminary, design and construction engineering services on infrastructure improvement projects. These projects have included the reconstruction or rehabilitation of expressways, arterial streets, county highways and local streets as well as the installation of new drainage systems, water mains, traffic signals, and lighting. Trained in implementing Context Sensitive Solution procedures, Duane has experience in public involvement for all three phases of an improvement. He has more than 32 years of experience working on projects for federal agencies, the Illinois Department of Transportation, Illinois Tollway, counties, municipalities and private clients.
		• **Harlem Avenue Pavement Rehabilitation and Water Main Consolidation**, Village of Glenview, Preliminary and Final Design, Project Manager (Roadway) • **Austin Avenue Improvements**, Village of Morton Grove, Preliminary and Final Design, Project Manager • **Bode Road and Harmon Boulevard Rehabilitation**, Village of Hoffman Estates, Final Design and Construction, Project Manager • **2017 Street Improvement Program,** Village of Morton Grove, Final Design, Project Manager • **Ravine Drive and Hawthorne Lane Water Main Replacement**, City of Highland Park, Final Design, Project Manager • **Wood Street Rehabilitation**, Village of Palatine, Final Design, Project Manager • **Lake Street Reconstruction**, Chicago Department of Transportation, Preliminary and Final Design, Project Manager • **2015 Street and Alley Improvement Program**, Village of Wilmette, Final Design, Project Manager • **Northwest Highway (US14) at IL 53 Pedestrian Traffic Signals,** Village of Palatine, Final Design, Project Manager • **Brandywyn Lane and Thompson Boulevard Improvements**, Village of Buffalo Grove, Preliminary Engineering, Project Manager • **Commuter Drive Reconstruction and Bicycle Path Extension**, City of Rolling Meadows/Village of Arlington Heights, Preliminary, Final Design and Construction, Project Manager • **Touhy Avenue Water Main Replacement**, Village of Niles, Construction Engineering, Project Manager • **Caldwell Avenue 12" and 20" Water Main River Crossing Project**, Village of Morton Grove, Construction Manager • **Pedestrian Crossing Improvements on IL 25 and IL 31**, City of Batavia, Construction Engineering, Project Manager • **Arterial Street Lighting**, Village of Schaumburg, Construction Engineering, Project Manager

Project Experience

Name/Registration Title	Years of Experience /@Firm	Project Experience
Mark Johnson, PE, PTOE Roadway Project Manager	26/26	Mr. Johnson is a Transportation Manager specializing in the preparation of preliminary engineering studies and design plans for improvements to expressways, arterial roads, and municipal streets. He leads Ciorba's traffic and geometric engineers in improving capacity and developing safer horizontal and vertical alignments for state, county, and local roadways. Mr. Johnson has been trained and is experienced in the NEPA environmental processing necessary to construct today's infrastructure improvements. He has also been trained in Context Sensitive Solutions procedures to engage local stakeholders in the planning process with the goal of minimizing adverse impacts to the community. • **Austin Avenue Improvements**, Village of Morton Grove, Preliminary and Final Design, Project Engineer (Phase I) • **Brandywyn Lane and Thompson Boulevard Improvements**, Village of Buffalo Grove, Preliminary Engineering, Project Engineer • **Clybourn Avenue and Division Street Protected Bicycle Lanes**, Illinois Department of Transportation, District One, Preliminary Engineering, Project Manager • **McHenry Avenue Rehabilitation, City of Crystal Lake**, Preliminary Engineering, Project Manager • **Ogden Avenue Reconstruction and Streetscape**, Chicago Department of Transportation, Preliminary Engineering, Project Manager • **Pershing Road Realignment and Reconstruction**, City of Waukegan, Preliminary Engineering, Project Manager • **Wilmot Road Rehabilitation**, Village of Deerfield, Preliminary Engineering, Project Engineer • **Various/Various Intersection Improvements**, Illinois Department of Transportation, District One, Preliminary Engineering, Project Manager • **Front Street Reconstruction and Streetscape**, Village of Mokena, Preliminary and Final Design, Project Engineer • **LaPorte Road Reconstruction**, Village of Mokena, Preliminary and Final Design, Project Engineer • **Sheridan Road and Martin Luther King Jr. Drive Streetscape**, City of North Chicago, Preliminary and Final Design, Project Manager • **Randall Road/Bolcum Road Intersection Improvements**, Kane County Division of Transportation, Preliminary Engineering, Project Manager/Project Engineer • **Pine Street and Eldorado Street Bridges over the Metra/UP Railroad**, Village of Winnetka, Preliminary Engineering, Project Engineer • **Park Avenue West over Skokie River**, City of Highland Park, Preliminary Engineering, Project Engineer

Project Experience

Name/Registration Title	Years of Experience /@Firm	Project Experience
Eric Spina, PE Project Engineer	11/11	Mr. Spina has over 11 years of experience in preliminary, design, and construction engineering services for infrastructure improvement projects. His expertise includes roadway geometric studies, intersection design studies, capacity analysis, and crash data analysis for improvements to arterial streets and local roads. For design engineering, Eric has lead teams in the plan preparation for improvements to expressways and arterial streets. He has also supervised the plan preparation for annual street improvement programs for local agencies. Eric has served as a Resident/Construction Engineer on arterial and local road improvements, stormwater facility construction, and water main replacement projects. Eric has received the training required to serve as a Materials Coordinator on construction projects. • **Austin Avenue Improvements**, Village of Morton Grove, Preliminary and Final Design, Project Engineer (Phase II) • **2017 Street Improvement Program,** Village of Morton Grove, Final Design, Project Engineer • **Ravine Drive and Hawthorne Lane Water Main Replacement**, City of Highland Park, Final Design, Project Engineer • **Wood Street Rehabilitation**, Village of Palatine, Final Design, Project Engineer • **Lake Street Reconstruction**, Chicago Department of Transportation, Preliminary and Final Design, Project Engineer • **2015 Street and Alley Improvement Program**, Village of Wilmette, Final Design, Project Engineer • **McHenry Avenue Rehabilitation, City of Crystal Lake**, Final Design, Project Engineer • **Jeffrey Avenue over Buffalo Creek**, Village of Wheeling, Final Design, Project Engineer • **Wilmot Road Rehabilitation**, Village of Deerfield, Final Design, Design Engineer • **County Farm Road and Greenbrook Boulevard Resurfacing**, DuPage County Division of Transportation, Final Design, Project Engineer • **Randall Road/Bolcum Road Intersection Improvements**, Kane County Division of Transportation, Final Design, Design Engineer • **Downtown Streetscape**, Village of Winnetka, Final Design, Design Engineer • **Commuter Drive Reconstruction and Bicycle Path Extension**, City of Rolling Meadows/Village of Arlington Heights, Preliminary, Final Design, and Construction, Project Engineer • **Pingree Road Reconstruction**, City of Crystal Lake, Preliminary Engineering, Design Engineer

Project Experience

Name/Registration Title	Years of Experience /@Firm	Project Experience
Joe Attanaseo, PE Project Engineer	14/4	Joe has over 14 years of experience providing preliminary and design engineering services for improvements to expressways, county highways, arterial streets and local roads. He has performed horizontal and vertical geometry studies, completed accident and right of way analysis, and prepared Project Development Reports. Joe is also experienced in preparing and attending project presentations to obtain input from local stakeholders. He has supervised the design and development of final plans, specifications and cost estimates for municipal, county, Illinois Tollway and IDOT roadway improvements
		• **Harlem Avenue Pavement Rehabilitation and Water Main Consolidation**, Preliminary and design engineering services, Project Engineer (Roadway) • **Austin Avenue Improvements**, Village of Morton Grove, Preliminary and Final Design, Lead Roadway Engineer • **Bode Road and Harmon Boulevard Rehabilitation**, Village of Hoffman Estates, Final Design and Construction, Project Engineer • **Safe Routes to School**, City of Evanston, Final Design, Project Engineer • **Various/Various Intersection Improvements**, Illinois Department of Transportation, District One, Preliminary Engineering, Traffic/Geometric Engineer • **Bradley Road Reconstruction,** Village of Mettawa, Preliminary Engineering, Project Engineer • **Park Avenue West over Skokie River**, City of Highland Park, Preliminary Engineering, Project Engineer • **Clybourn Avenue and Division Street Protected Bicycle Lanes**, Illinois Department of Transportation, District One, Preliminary Engineering, Project Engineer • **Brookfield Avenue over Salt Creek**, Village of Brookfield, Preliminary and Final Design, Project Engineer • **Baker Road over Jackson Creek,** Manhattan Township, Preliminary Engineering, Project Engineer • **Laraway Road over the West Fork of East Hickory Creek**, Will County Division of Transportation, Preliminary Engineering, Project Engineer • **Peotone Beecher Road Bridge over the Exline Slough**, Will County Division of Transportation, Final Design, Project Engineer • **Irving Park Road (IL 19) at Wood Dale Road Intersection Reconstruction**, City of Wood Dale, Final Design, Project Engineer*
*Projects completed while at another firm		

Project Experience

Name/Registration Title	Years of Experience /@Firm	Project Experience
Marie Daboub, PE Engineer II	4/4	Marie Daboub is a Design Engineer experienced in preliminary and design engineering services for improvements to expressways, county highways, arterial streets and local roads. She has prepared plans and specifications for numerous municipal, county and IDOT roadway improvements. These improvements involved local, MFT, STP and state funding for construction. She has also served as a Construction Engineer on roadway resurfacing projects.
		• **Harlem Avenue Pavement Rehabilitation and Water Main Consolidation**, Preliminary and design engineering services, Design Engineer • **Austin Avenue Improvements**, Village of Morton Grove, Preliminary and Final Design, Design Engineer • **Ravine Drive and Hawthorne Lane Water Main Replacement**, City of Highland Park, Final Design, Design Engineer • **County Farm Road and Greenbrook Boulevard Resurfacing**, DuPage County Division of Transportation, Final Design, Design Engineer • **Lake Street Reconstruction**, Chicago Department of Transportation, Preliminary and Final Design, Design Engineer • **Wood Street Rehabilitation**, Village of Palatine, Final Design, Design Engineer • **Chestnut and Spruce Street Streetscape Improvements,** Village of Winnetka, Final Design, Design Engineer • **Brandywyn Lane and Thompson Boulevard Improvements**, Village of Buffalo Grove, Preliminary Engineering, Project Engineer • **2017 Street Improvement Program,** Village of Morton Grove, Final Design, Project Engineer • **2015 Street and Alley Improvement Program**, Village of Wilmette, Final Design, Design Engineer • **Clybourn Avenue and Division Street Protected Bicycle Lanes**, Illinois Department of Transportation, District One, Preliminary Engineering, Design Engineer • **Laraway Road over the West Fork of East Hickory Creek**, Will County Division of Transportation, Preliminary Engineering, Design Engineer • **Peotone Beecher Road Bridge over the Exline Slough**, Will County Division of Transportation, Final Design, Design Engineer • **Baker Road over Jackson Creek,** Manhattan Township, Preliminary Engineering, Design Engineer

Project Experience

Name/Registration Title	Years of Experience /@Firm	Project Experience
Joe Vondra, PE, LC Lighting, Traffic Signal & Project Engineer	20/20	Joe has over 20 years of experience in designing lighting and traffic signal systems for residential, collector and arterial streets; interstate expressways; and parking lots. These projects were completed for municipalities, counties, IDOT, and the Illinois Tollway. Joe oversees the photometric analysis, equipment selection and layout, control cabinet design, voltage drop calculations, and preparation of specifications for new lighting systems. He has also worked with lighting manufacturers to troubleshoot problems in existing systems and coordinate owner requirements for new systems.
		• **Austin Avenue Improvements,** Village of Morton Grove, Preliminary and Final Design, Traffic Signal Engineer • **Harlem Avenue Pavement Rehabilitation and Water Main Consolidation**, Village of Glenview, Preliminary and design engineering services, Traffic Signal Engineer • **Street Lighting Program Management**, Village of Mount Prospect, Preliminary and design engineering services, Project Manager • **Lake Street Reconstruction**, Chicago Department of Transportation, Preliminary and Final Design, Lighting Engineer • **Algonquin Road (IL 62)/Golf Road (IL 58)/New Wilke Street Lighting,** City of Rolling Meadows & Village of Arlington Heights, Final Design, Project Engineer • **Waukegan Road (IL 43) Street Lighting,** Village of Morton Grove, Final Design, Project Engineer • **Martin Luther King Jr. Drive Reconstruction,** City of North Chicago, Final Design, Lighting Engineer • **Annual Street Lighting Program,** Village of Schaumburg, Preliminary and Final Design, Project Engineer • **Gas Street Light Replacement,** Village of Palatine, Final Design, Project Engineer • **Central Road Lighting,** Village of Mount Prospect, Final Design, Project Engineer • **Village Hall Parking Lot Lighting,** Village of Oak Park, Final Design, Project Engineer • **Downtown Streetscape Improvements,** Village of Winnetka, Preliminary Engineering, Lead Lighting Engineer • **75th Street at Book Road Traffic Signals**, DuPage County Division of Transportation, Final Design, Lead Traffic Signal Engineer • **Various Pedestrian Signal Updates**, DuPage County Division of Transportation, Final Design, Lead Traffic Signal Engineer • **Northwest Highway (US 14) at IL 53 Pedestrian Signals**, Village of Palatine, Final Design, Project Engineer • **Traffic Signal Safety Improvements**, Illinois Department of Transportation, District One, Final Design, Project Engineer • **Sheridan Road Signal Modernization and Interconnect**, City of North Chicago/City of Waukegan, Final Design, Project Engineer

Project Experience

Name/Registration Title	Years of Experience /@Firm	Project Experience
Dan Johnson, PE Project Engineer	13/1	Mr. Johnson has 13 years of experience designing new lighting systems for residential, collector and arterial streets; interstate expressways; interchanges; parking lots; and multiuse paths. Dan has worked on projects for IDOT, the Illinois Tollway, the City of Chicago and other municipalities. He can assist in equipment evaluation, performing photometric analysis, and the development of plans, specifications and estimates.
		• **Austin Avenue Improvements,** Village of Morton Grove, Preliminary and Final Design, Traffic Signal Engineer • **I-80/US 30 Interchange Reconstruction**, Illinois Department of Transportation, District One, Final Design, Lighting Engineer • **Various Pedestrian Signal Updates,** DuPage County Division of Transportation, Final Design, Traffic Signal Engineer • **State Street (US 20 BR) and Perryville Road Intersection Improvements,** Illinois Department of Transportation, District Two, Final Design, Lead Traffic Signal Engineer • **Traffic Signals and Roadway Lighting**, Chicago Department of Transportation, Preliminary and Final Design, Senior Engineer • **Street Lighting Program Management**, Village of Mount Prospect, Preliminary and Design Engineering Services, Senior Engineer • **Elgin – O'Hare Western Access: Lively Blvd to Supreme Drive**, Illinois Tollway, Final Design, Lighting/ITS Engineer* • **O'Hare Joint-Use Rental Car and Public Parking Structure, for the** Chicago Department of Aviation, Preliminary and Final Design, Lighting Engineer* • **West State St (US 20) Rehabilitation: Independence Ave to Kilburn Ave,** Illinois Department of Transportation, Final Design, Lighting Engineer* • **Reagan Memorial Tollway (I-88): US 30 to US 52,** Illinois Tollway, Preliminary and Final Design, Lighting/ITS Engineer* • **OR 99E: Dunes Drive to 10th St,** Oregon Department of Transportation, Final Design, Lighting Engineer* • **US 97/Murphy Rd Interchange Area Management Plan (IAMP),** Oregon Department of Transportation, Final Design, Traffic Signal Engineer*
*Projects completed while at another firm		

Project Experience

Name/Registration Title	Years of Experience /@Firm	Project Experience
Jesse Singer, PE, LEED AP Resident Engineer	10/3	Jesse has 10 years of experience in construction observation and contract documentation on projects ranging from collector street resurfacing to interstate expressway rehabilitation. Clients have included local municipalities and counties, the Illinois Department of Transportation and the Illinois Tollway. He is also experienced in the design of municipal infrastructure improvement projects and private site developments.
		• **Bode Road and Harmon Boulevard Rehabilitation,** Village of Hoffman Estates, Design and Construction Engineering, Resident Engineer • **Toys R Us/Bode Road Lift Station Improvements,** Village of Schaumburg, Construction Engineering, Resident Engineer • **Camelot Lift Station Evaluation and Retrofit,** Village of Buffalo Grove, Preliminary, Final Design and Construction, Resident Engineer • **Commuter Drive Reconstruction and Bicycle Path Extension,** City of Rolling Meadows/Village of Arlington Heights, Preliminary, Final Design and Construction, Resident Engineer • **Touhy Avenue Water Main Replacement,** Village of Niles, Construction Engineering, Resident Engineer • **Pedestrian Crossing Improvements on IL 25 and IL 31,** Village of Batavia, Construction Engineering, Resident Engineer • **Arterial Street Lighting Improvements,** Village of Schaumburg, Construction Engineering, Resident Engineer • **Caldwell Avenue 12" and 20" Water Main River Crossing Project,** Village of Morton Grove, Preliminary, Final Design and Construction, Construction Inspector • **Safe Routes to School Program,** City of Evanston, Final Design and Construction, Resident Engineer • **Lewis Avenue Rehabilitation**, Lake County Division of Transportation, Construction Engineering, Resident Engineer • **Delany Road Reconstruction,** Lake County Division of Transportation, Construction Engineering, Resident Engineer • **The Coves Single Family Re-Subdivision Improvements,** Village of Algonquin, Construction Engineering, Resident Engineer • **Reagan Memorial Tollway (I-88) Rehabilitation,** Illinois Tollway, Construction Engineer, Assistant Resident Engineer • **Jeffery Avenue over Buffalo Creek,** Village of Wheeling, Final Design and Construction, Resident Engineer • **Palatine Road Widening, Rehabilitation and Traffic Improvements,** Village of Hoffman Estates, Resident Engineer* • **Main Street Access Improvements,** Village of Lombard, Construction Engineering, Resident Engineer* • **Remington Boulevard Rehabilitation,** Village of Bolingbrook, Construction Engineering, Resident Engineer*

*Projects completed while at another firm

Project Experience

Name/Registration Title	Years of Experience /@Firm	Project Experience
Mike Kowalski, PE Senior Engineer	6/1	Mr. Kowalski's experience is focused in construction inspection, field engineering, and project coordination. His technical skills are supported by certifications for construction processes and contract documentation as well as material testing. He has utilized his field experience to develop technical proficiencies in field redesign, construction layout, and punchlist/closeout evaluations. A recent addition to Ciorba, Mike has served on projects for municipalities, counties, and the Illinois Tollway.
		• **Pfingsten Road/Kates Road over Metra Tracks Bridge Replacement,** Village of Deerfield, Final Design and Construction, Resident Engineer • **Arterial Street Lighting Improvements,** Village of Schaumburg, Construction Engineering, Construction Engineer • **Melas Park Electrical Upgrades,** Village of Mount Prospect, Final Design and Construction, Resident Engineer • **Anderson Road Extension**, Kane County Division of Transportation, Construction Engineering, Assistant Resident Engineer * • **Downer Place Bridge Replacement and Roadway Rehabilitation,** City of Aurora, Construction Engineering, Construction Engineer* • **Wood Dale Road and Irving Park Road (IL 19) Intersection Reconstruction,** City of Wood Dale, Construction Engineering, Assistant Resident Engineer* • **Higgins Road and Barrington Road Bridge Replacements over I-90,** Illinois Tollway, Construction Engineering, Construction and Documentation Engineer* • **McCoy Drive/Commons Drive Traffic Signal Interconnect & Modification,** City of Aurora, Construction Engineering, Resident Engineer* • **Eola Road Traffic Signal Upgrades,** City of Aurora, Construction Engineering, Resident Engineer * • **2013 City Wide Street Rehabilitation Program,** City of Aurora, Construction Engineering, Construction Engineer* • **Safe Routes to School Batavia,** City of Batavia, Construction Engineering, Resident Engineer*
*Projects completed while at another firm		

Project Experience

Name/Registration Title	Years of Experience /@Firm	Project Experience
Adam Harn Engineering Technician/ Construction Inspector	6/6	Adam Harn is an Engineering Technician with experience in preliminary, design, and construction engineering services. Adam's experience includes completing intersection design studies, performing capacity analysis, conducting crash analysis, and developing horizontal and vertical roadway alignments for local streets and state highways. Design experience includes assisting in preparing plans and specifications for local street rehabilitation programs and roadway reconstruction projects for municipal streets and state highways. Adam has served as a Construction Inspector on county highway reconstruction, water main installation, and interstate highway rehabilitation projects. He has also conducted topographic surveys and performed construction layout services.
		• **Bode Road and Harmon Boulevard Rehabilitation,** Village of Hoffman Estates, Final Design and Construction, Construction Inspector • **Touhy Avenue Water Main Replacement,** Village of Niles, Construction Engineering, Construction Inspector • **Caldwell Avenue 12" and 20" Water Main River Crossing Project,** Village of Morton Grove, Preliminary, Final Design and Construction, Construction Inspector • **Safe Routes to School Program,** City of Evanston, Final Design and Construction, Construction Inspector • **Delany Road Reconstruction,** Lake County Division of Transportation, Construction Engineering, Construction Inspector • **Austin Avenue Improvements**, Village of Morton Grove, Preliminary and Final Design, Engineering Technician • **Various/Various Intersection Improvements**, Illinois Department of Transportation, District One, Preliminary Engineering, Engineering Technician • **Clybourn Avenue and Division Street Protected Bicycle Lanes**, Illinois Department of Transportation, District One, Preliminary Engineering, Engineering Technician • **Harlem Avenue Pavement Rehabilitation and Water Main Consolidation**, Preliminary and Final Design, Engineering Technician • **County Farm Road and Greenbrook Boulevard Resurfacing**, DuPage County Division of Transportation, Final Design, Engineering Technician

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

[1] Design Engineering

[4] Wastewater Improvements

[3] Stormwater Engineering

[2] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

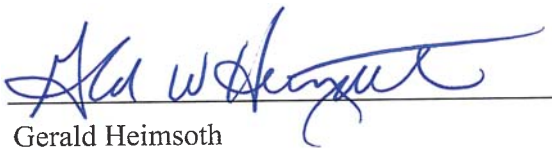
Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: 

Print Name .....: Gerald Heimsoth

Position/Title.....: President

Company Name ...: Ciorba Group, Inc

Address line 1 .....: 5507 N Cumberland Ave

Address line 2 .....: Chicago, IL 60656

Telephone.....: 773.775.4009

CITY OF NORTH CHICAGO

Leon Rockingham, Jr.
MAYOR

December 15, 2015

Mr. Gerald Heimsoth, PE
President
Ciorba Group, Inc.
5507 N. Cumberland Avenue, Suite 402
Chicago, Illinois 60656

Subject: Martin Luther King Jr. Drive Reconstruction

Dear Mr. Heimsoth:

I am pleased to provide a reference for the quality of engineering services provided by Ciorba Group, Inc. to the City of North Chicago. The reconstruction of Martin Luther King Jr. Drive was one of the largest infrastructure improvements ever undertaken by the City. The project was an important component in the redevelopment of an area in the City now known as Sheridan Crossing. Ciorba Group not only provided the preliminary, design and construction engineering services but led the effort in obtaining county and federal funds that paid for over 75% of the project construction costs. Ciorba Group also conducted extensive coordination activities with local residents and businesses as well as county and state agencies to bring the project to a successful conclusion. The problem solving and communication skills of Ciorba's staff were extremely valuable to the City throughout all phases of the project.

If additional information regarding Ciorba Group's performance is needed, please feel free to contact me at 847-596-8610 or at leoroc@NORTHCHICAGO.ORG.

Sincerely,

Leon Rockingham, Jr.

Leon Rockingham, Jr.
Mayor

Mayor's Office: (847) 596-8610 • Office Fax: (847) 596-8619
Email: leoroc@northchicago.com • 1850 Lewis Avenue, North Chicago, Illinois 60064

Village of Morton Grove

Department of Public Works
7840 N. Nagle • Direct Telephone 847-470-5235
Fax 847/965-9511

April 8, 2013

Mr. Gerald Heimsoth, PE
President
Ciorba Group, Inc.
5507 N. Cumberland Avenue, Suite 402
Chicago, Illinois 60656

Subject: Village Engineering Services Reference

Dear Mr. Heimsoth:

I am pleased to provide a reference to the quality of engineering services provided by Ciorba Group, Inc. The Village of Morton Grove has benefited from Ciorba Group's services for over twenty years. They have worked on a variety of projects involving federal funding for the Village and the quality of their work has always met or exceeded our expectations. Likewise, Ciorba has always been responsive to the Village's needs in meeting project deadlines and performance schedules.

If you need any additional information regarding Ciorba Group's performance, please feel free to contact me at ctomich@mortongroveil.org.

Sincerely,

Chris R. Tomich, P.E.
Village Engineer

CITY OF HIGHLAND PARK
1707 ST. JOHNS AVENUE
HIGHLAND PARK, ILLINOIS 60035
(847) 432-0800

April 9, 2013

Mr. Gerald Heimsoth, PE
President
Ciorba Group, Inc.
5507 N. Cumberland Avenue, Suite 402
Chicago, Illinois 60656

Subject: St. Johns Avenue Bridge Rehabilitation and Ravine Stabilization

Dear Mr. Heimsoth:

I am pleased to provide a reference to the quality of engineering services provided by Ciorba Group, Inc. Ciorba Group provided Phase II engineering services for the St. Johns Avenue Bridge Rehabilitation and Ravine Stabilization Project in Highland Park. Ciorba Group provided quality design services and met our budget and schedule expectations.

If you need any additional information regarding Ciorba Group's performance, please feel free to contact me at jwelch@cityhpil.com.

Sincerely,

John Welch, PE, CFM
City Engineer

Engineering Division
505 Telser Road
Lake Zurich, IL 60047



Phone: (847)540-1694
Fax: (847) 726-2182
Web: www.volz.org

April 8, 2013

Mr. Gerald Heimsoth, PE
President
Ciorba Group, Inc.
5507 N. Cumberland Avenue, Suite 402
Chicago, Illinois 60656

Subject: Various Noise Mitigation Measures along the EJ&E Railroad

Dear Mr. Heimsoth:

I am pleased to provide a reference to the quality of engineering services provided by Ciorba Group, Inc. Ciorba Group provided the Village of Lake Zurich with engineering services for the noise abatement study as well as design plans and specifications for the measures outlined in the study. Ciorba Group met our expectations for quality of work, budget and schedule.

If you need any additional information regarding Ciorba Group's performance, please feel free to contact me at kaszuba@volz.org.

Sincerely,

Kurt J. Kaszuba, CFM, EO
Village of Lake Zurich
Engineering

Division of Transportation

Martin G. Buehler, P.E.
Director of Transportation/County Engineer

600 West Winchester Road
Libertyville, Illinois 60048-1381
Phone (847) 377-7400
Fax (847) 984-5888

LakeCounty

ACEC Illinois 40th Annual Engineering Excellence Awards
Martin Luther King Jr. Drive Infrastructure Improvements
City of North Chicago

October 27, 2010

Mr. David E. Kennedy
Executive Director
American Council of Engineering Companies of Illinois
5221 S. Sixth Street Road, Suite 120
Springfield, IL 62703

Dear Mr. Kennedy:

Lake County provided over $3 million for the City of North Chicago to reconstruct Martin Luther King, Jr. Drive. The Division of Transportation reviewed and approved the design plans and specifications prepared by Ciorba Group for the roadway reconstruction. Division personnel oversaw the construction engineering services provided by Ciorba Group for the street improvement.

Ciorba has maintained a very good relationship with County staff and met our expectations for the project. We believe that the project is eligible for the ACEC Illinois Awards 2011 in Category I: Special Projects.

Very truly yours,

Martin Buehler, P.E.
Director of Transportation/
County Engineer

CIVILTECH

Statement of Qualifications

OCTOBER 19, 2017







Civil Engineering Services

Design Engineering
Resident Engineering

BENSENVILLE
GATEWAY TO OPPORTUNITY

Village of Bensenville

Civiltech Engineering, Inc.
www.civiltechinc.com

Two Pierce Place, Suite 1400
Itasca, IL 60143
Phone: 630.773.3900
Fax: 630.773.3975

30 N LaSalle Street, Suite 2624
Chicago, IL 60602
Phone: 312.726.5910
Fax: 312.726.5911

Transportation

Civil

Construction

Environmental

Water Resources

Structural

Appraisal

October 19, 2017

Mr. Joseph M. Caracci, P.E.
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, Illinois 60106

Re: Request for Qualifications
Establishment of Short-List for Civil Engineering Services

Dear Mr. Caracci:

Thank you for the opportunity to provide our qualifications to the Village of Bensenville for Civil Engineering Services. We are submitting for the following categories:

- Design Engineering
- Resident Engineering

Civiltech has been providing exceptional professional engineering services to the Village of Bensenville and multiple other agencies in the metropolitan area for twenty nine years. We are dedicated to continuing that exceptional service to Bensenville, and have provided the details of how we have earned our vast experience within this Statement of Qualifications.

Our proposal highlights our experience that we routinely provide to our many municipal clients in the Chicago region. Our experience conveys the trust that we have earned from our municipal clients through the amount of repeat business we receive. We understand that trust is not only gained by providing consistent quality, but also by providing services in a timely fashion or as we say, with a "sense of urgency", along with fair pricing. You may have heard the saying "Quality, Schedule, Budget, pick two". Our mission is and has always been to deliver on all three. We are successful at this by making ourselves an extension of your staff, working hand-in-hand, and continually communicating expectations.

What Civiltech brings to the Village of Bensenville:

- Civiltech Engineering was founded in 1988 with the primary goal of providing engineering services to municipalities and local government. The municipal client base that Civiltech has developed during our 29 years in business allows us to share our experiences and information on techniques, new products, and innovations that other communities are using that might benefit the Village of Bensenville.
- We are well-versed in Motor Fuel Tax and State and Federal grant funded project requirements, and have a long standing, excellent relationship with IDOT's Bureaus of Local Roads and Streets, Programming, Design and Traffic. Since we provide

planning, design, construction inspection, structural and land acquisition services, we know what it takes to navigate the complex implementation process to secure jurisdictional agency cooperation, as well as approval and funding participation for the most challenging projects.

- We understand the need to execute projects quickly and in a cost effective manner, while still meeting the needs of project stakeholders and providing high quality professional engineering services. We ask that the Village of Bensenville contact the references included at the end of this letter, to obtain an asesment of the quality and timeliness of our work as well as our adherence to project budgets.
- Though company credentials are significant, the most important element to the success of any project assignment will be the education, training and capabilities of the staff members that are assigned. Our project staff has the diverse specialized expertise needed to successfully execute assignments as well as a record of achievement on similar projects. Civiltech stresses the continuing professional development of all of our employees. We currently have over 90 full-time employees, 45 of whom are registered Professional Engineers (P.E.) and one registered Structural Engineers (S.E.) in the State of Illinois. We have 7 engineers who have attained national certification as a Professional Traffic Operations Engineer (PTOE), as well as 3 LEED Green Associates, two Certified Floodplain Manager (CFM), one Licensed Appraiser and one Certified Survey Technician (CST Level 1). Our staff provides a superior combination of technical expertise, public and political sensitivity, and communication skills.
- Village of Bensenville projects will be conveniently serviced from our company headquarters in Itasca. We can be on site easily for responsive service.

Partnering with Civiltech

- As one of the largest dedicated municipal and transportation firms that works exclusively in northeastern Illinois, we bring the full range of services provided by a large national firm but with the serviceability and cost of a small firm. Civiltech has the experience and capacity to provide all of the anticipated activities listed within the RFP under the categories of Design Engineering and Resident Engineering.
- Civiltech makes the commitment to provide one individual that will serve as the primary point of contact and will serve as liaison between Civiltech and Village staff. I will personally fill this role and will be responsible for all coordination efforts and will be knowledgeable in all ongoing assignments. Although I currently serve as Civiltech's President and Director of Design Services, I am actively involved in the day-to-day management of projects and will devote the time and resources necessary to successfully serve the Village.

Civiltech currently operates from two office locations. Our main office is in Itasca, and we have a branch office in Chicago. We would like to emphasize that our firm is local to only this metropolitan area. Therefore, so are all of our staff members. What that equates to is we are one of the largest transportation engineering firms devoted to this area with all of our expertise focused right here. Please visit our website at www.civiltechinc.com to discover even more detail of our accomplishments and partnerships with our clients.

For Resident Engineering assignments, we will continue the success that we have accomplished on past Bensenville improvements. As we provide our expert Resident Engineering services: we will ensure that Bensenville's requirements are fulfilled, your substantial investment protected, and the project is accomplished with professionalism resulting in a dramatic improvement for the residents and traveling public. For questions

regarding our Resident Engineering services, please contact Mr. James D. Ewers, P.E. who is our Director of Construction Engineering Services and contact person for Resident Engineering. He can be reached by calling 630.735.3383 or by faxing to 630.773.3975 or emailing to jewers@Civiltechinc.com

For information and questions regarding our Qualification submittal or any of our Civil Engineering services, please contact me at 630.735.3382 or jvana@civiltechinc.com. We appreciate your positive consideration of our qualifications and look forward to meeting you and your staff to further discuss your needs and our services.

Very truly yours,

Jonathan R. Vana, P.E.
President | Director of Design Services

James D. Ewers, P.E.
Vice President | Director of Construction Engineering
CIVILTECH ENGINEERING, INC.

REFERENCES AND CLIENT EVALUATIONS

References

Mr. Paul Kendzior, P.E., C.F.M.
Public Works Director
Village of Libertyville
847.918.2016
pkendzior@liberyville.com

Mr. Jim Massarelli, P.E.
Director of Engineering
Village of Arlington Heights
847.368.5250
jmassarelli@vah.com

Mr. Vito Sammarco
Director of Public Works
Village of Elk Grove Village
847.734.8044
vsammarco@elkgrove.org

Ms. Emily Karry
Manager of Planning
Lake County Division of Transportation
847.377.7400
ekarry@lakecountyil.gov

Mr. Alex Househ, P.E.
Illinois Department of Transportation
Bureau of Local Roads and Streets
847.705.4410
alex.househ@illinois.gov

Mr. John Berley
Director of Community Development
Village of Addison
630.693.7532
jberley@addison-il.org

Mr. Jeff Sloot
Landscape Architect
Lake County Forest Preserve District
847.968.3262

Mr. Dave Boesch
Chief of Construction
Kane County Division of Transportation
815.334.4960

Mr. Paul Gregoire, P.E.
Bureau Chief of Construction
Illinois Department of Transportation
847.705.4300

Mr. C. Laird Hagmann, P.E.
Local Agency Area Engineer
llinois Department of Transportation
847.705.4300

Mr. Christopher Snyder
Director of Transportation
DuPage Division of Transportation
630.407.6900
christopher.snyder@dupageco.org

Mr. Jay Beverly
Engineering Inspector
City of Elgin
847.931.6001

KANE COUNTY
DIVISION of TRANSPORTATION

Carl Schoedel, P.E.
Director of Transportation
County Engineer

41W011 Burlington Road
St. Charles, IL 60175
Phone: (630) 584-1170
Fax: (630) 584-5265

June 22, 2016

Jonathan R. Vana, P.E.
President
Civiltech Engineering, Inc.
450 E. Devon Ave., Suite 300
Itasca, IL 60143

Jon,

On behalf of the staff of the Kane County Division of Transportation (KDOT), please accept our sincere appreciation for the many hours of hard work by Civiltech, your consistently quality work products, and your ability to put your best foot forward in the highly competitive civil/transportation consulting engineering marketplace.

We have found your engineers to be smart, responsive, practical and innovative. Your drawings, exhibits, and work products are high quality and informative. Your staff shows a real sense of ownership over the projects and designs and your bench strength is impressive. You put thought into the proposed teams for our projects, and no issue is too small or insignificant to be taken seriously.

While I know you appreciate your relationship with KDOT, we also understand that these connections are a two way street. To that end, please know that your firm has been consistently one of the best that we work with and we value our relationship with you as well.

Warmly,

Carl Schoedel, P.E.
Director

P.S. Please share this note with your entire team!

Village of Arlington Heights

33 South Arlington Heights Road
Arlington Heights, Illinois 60005-1499
(847) 368-5000
Website: www.vah.com

January 8, 2014

Mr. James D. Ewers, P.E.
Director of Construction Engineering Services
Civiltech Engineering, Inc.
450 E. Devon Ave., Suite 300
Itasca, IL 60143

RE: U.S. Route 14 (Northwest Highway), Davis Street and Arthur Avenue
Section No. 02-00177-00-WR
Job No. C-91-252-04
Project No. M-8003(426)
AHE File No: 2004-33

Dear Mr. Ewers:

On behalf of a grateful community, I would like to commend John Vogelman for the hard work he and his crews did on the US14/Arthur/Davis project during 2013.

At the beginning of the project, John demonstrated a thorough knowledge of the project requirements. He immediately stepped in to quell a potential public relations issue when the contractor prematurely began handing out notices. This established a clear line of communication and authority, and from that point on, the contractor worked cooperatively with John. I had a high level of confidence in John's abilities early in the project, which was a great relief given the complexity of the project.

John's communication skills were at their best when dealing with the residents, property owners, and business owners directly affected by the construction. He was always receptive to their inquiries and able to work with the contractors to address most of their requests. John's calm professionalism allowed people to accept his word as final authority, even if they were told their request could not be accommodated.

Attached is a letter from the Carlyle at Stonegate Homeowners Association to Mr. Thomas Hayes, Mayor of Arlington Heights. This is a particularly demanding group of property owners that was in seemingly constant communication with John about many phases of the construction project. Again, John demonstrated calm professionalism and a high level of patience when dealing with their detailed questions and requests. As the letter says, John was very responsive to their concerns and went above and beyond to accommodate their requests within the framework of the project. Again, this was very much appreciated by me.

I would again like to express our thanks to John Vogelman and the rest of the Civiltech Engineering, Inc. construction crews who worked on the US14/Arthur/Davis project. We have had many positive comments from commuters and residents about how smoothly the project went and how nice it looks. I attribute a large part of the success of the project to John Vogelman.

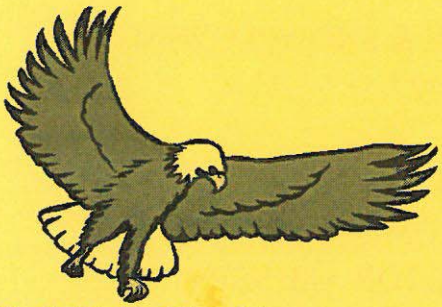
Thank you for a job well done.

Sincerely,

Michael L. Pagones, P.E.
Deputy Director of Engineering

Attachments: 01-02-14 letter from Carlyle at Stonegate Homeowners Association

c: James J. Massarelli, P.E., Director of Engineering
John L. Breitsameter, P.E., Civiltech Engineering, Inc.
John Vogelman, P.E., Civiltech Engineering, Inc.



Eagle Hts Residents' Assoc.
736 Scott Dr.
Elgin, Il. 60123

The merger of our two churches, Elgin Community Church and Greater Grace Church, is complete with our new name changing to Greater Grace Community Church. The new name is now clearly seen on the banner displayed on the front of the Church and on our sign located along Mark Avenue.
We had a great turn out for our first "Mark Avenue FunFest" held on Saturday, July 23rd, for the children of the neighborhood. The highlights were the dunk tank, bouncy castle, and face painting. Also, for the first time "Love Elgin Day" was held on Saturday, September 24th, at our church as an addition to the main Downtown location. This enabled our neighbors more convenient access to the event receiving volunteer services, food and clothing distribution, children's activities, and a cookout.
Every month, on the 3rd Thursday, from 6:30 – 7:30 PM, we will continue to provide our Bread of Life Storehouse food pantry for the neighborhood. Food and clothing along with spiritual encouragement is provided to all who come. Everyone is welcome!
As we approach the end of 2016 we look forward to continuing to meet our neighbors and invite you to join us for services on Sunday mornings at 10:30 AM and Wednesday evenings at 7:30 PM. If we can ever be of any help please do not hesitate to contact Pastor Jack Wheatley at 630-465-3500.

Eagle Heights Road Construction

The Eagle Heights Residents Association would like to take this opportunity to thank the management and crew from the City of Elgin, Civiltech Engineering, Digioa Construction, and Orange Crush Paving for their diligence while working in our community.

The construction on Royal blvd. and the streets south of Royal are starting to become drivable again. At times it looked as though our streets would never be completed. We are very appreciative for all work they have performed. They have worked in the rain, heat and humidity. Throughout the construction, they have been kind, courteous and helpful. They have even helped our residents get from their house to their car when there was no sidewalk, driveway approach, curb, or level street surface.

Thanks to everyone involved,

Michael Studt-President
E.H.R.A.

Earn $200
We Need You!
--You must be a registered voter in Kane County.
--Data input, typing skills a plus!! Pay is $200 after a 3 hour training.-232-5994
--Contact Jim Morefield at 630-232-5994 or at: morefieldjames@co.kane.il.us

IRS-Impersonation Telephone Scam

Beware!
Note that the IRS will never:
Call to demand immediate payment, nor will the agency call about taxes owed without first having mailed you a bill.
Demand that you taxes without giving you the opportunity to question or appeal the amount they say you owe.
Require you to use a specific payment method for your taxes, such as a prepaid debit card.

Notes from Mo Iqbal, EHRA

Design Engineering

1. Consultant Evaluation Form

2. Statement of Qualifications

a) IDOT Prequalification

b) Summary of current Municipal Projects

c) Qualifications of Engineers Staff

3. Statement of Qualifications Form

Resident Engineering

1. Consultant Evaluation Form

2. Statement of Qualifications

a) IDOT Prequalification

b) Summary of current Municipal Projects

c) Qualifications of Engineers Staff

3. Statement of Qualifications Form

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/20/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
Marsh Sponsored Programs a division of Marsh USA Inc. PO Box 14404 Des Moines IA 50306	PHONE (A/C, No, Ext): 800-338-1391	FAX (A/C, No): 888-621-3173
	E-MAIL ADDRESS: acecclientrequest@marsh.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Hartford Accident & Indemnity Co	22357
INSURED Civiltech Engineering, Inc. 2 Pierce Place, Suite 1400 Itasca, IL 60143	INSURER B: Hartford Insurance Co. of the Midwest	37478
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY	Y		84SBWLI9844 Prof. Liab. Excl.	11/01/2016	11/01/2017	EACH OCCURRENCE	$2,000,000
	[X] COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$2,000,000
	[ ] CLAIMS-MADE [X] OCCUR						MED EXP (Any one person)	$10,000
							PERSONAL & ADV INJURY	$2,000,000
							GENERAL AGGREGATE	$4,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$4,000,000
	[ ] POLICY [X] PRO-JECT [ ] LOC							$
A	AUTOMOBILE LIABILITY	Y		84UEGVV2743	11/01/2016	11/01/2017	COMBINED SINGLE LIMIT (Ea accident)	$1,000,000
	[X] ANY AUTO						BODILY INJURY (Per person)	$
	[ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	[ ] HIRED AUTOS [ ] NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
A	[X] UMBRELLA LIAB [X] OCCUR	Y		84SBWLI9844	11/01/2016	11/01/2017	EACH OCCURRENCE	$3,000,000
	[ ] EXCESS LIAB [ ] CLAIMS-MADE						AGGREGATE	$3,000,000
	[ ] DED [X] RETENTION $ 10,000							$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N	N/A		84WEGCB4307	11/01/2016	11/01/2017	[X] WC STATU-TORY LIMITS [ ] OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? [ ] (Mandatory in NH)						E.L. EACH ACCIDENT	$1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$1,000,000
							E.L. DISEASE - POLICY LIMIT	$1,000,000
A	Valuable Papers			84SBWLI9844	11/01/2016	11/01/2017	Limit	$225,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

[redacted] INSURED ON ABV POLICIES.

FOR VERIFICATION PURPOSES ONLY

CERTIFICATE HOLDER

[redacted]

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Bruce Vinet

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Client#: 48779 CIVILTECHENGIN

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 4/05/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Nicole Larsen	
Greyling Ins. Brokerage/EPIC 3780 Mansell Road, Suite 370 Alpharetta, GA 30022	PHONE (A/C, No, Ext): 770-552-4225	FAX (A/C, No): 866-550-4082
	E-MAIL ADDRESS: Nicole.Larsen@greyling.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Travelers Casualty & Surety Co	31194
INSURED Civiltech Engineering, Inc. Two Pierce Place, Suite 1400 Itasca, IL 60143	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER: 17-18** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	CLAIMS-MADE OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	POLICY PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$
	OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS / NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$
	DED RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N						PER STATUTE OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	N/A					E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	Professional Liability			106278045	04/10/2017	04/10/2018	Per Claim $5,000,000 Aggregate $5,000,000	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

FOR VERIFICATION PURPOSES ONLY

CERTIFICATE HOLDER	CANCELLATION
Bernardin Lochmueller & Associates, Inc. 6200 Vogel Rd. Evansville, IN 47715	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE

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LITIGATION

Instructions: List any lawsuits filed against the firm, concerning any services rendered from January 1, 2012, to the present. Include case name, case number, court in which case was heard or filed, basis of lawsuit and outcome.

1.	**Case Name**	Derek Brettman, individually and as Guardian of Gina Brettman vs. Efren Garcia d/b/a/ E.G.G. Trucking, et al.
	Case #	15 LA 76
	Court	Circuit Court of McHenry County
	Basis	Vehicle Collision
	Outcome	Pending

2.	**Case Name**	Michael Auriemma vs. The Illinois State Toll Highway Authority, et al.
	Case #	2016-L-003349
	Court	Circuit Court of Cook County
	Basis	Vehicle Collision
	Outcome	Pending

3.	**Case Name**	Jennifer Pope vs. Village of Schaumburg, et al.
	Case #	14 L 9234
	Court	Circuit Court of Cook County
	Basis	Personal Injury
	Outcome	Pending

Design Engineering

1. Consultant Evaluation Form

2. Statement of Qualifications

a) IDOT Prequalification

b) Summary of current Municipal Projects

c) Qualifications of Engineers Staff

3. Statement of Qualifications Form

Resident Engineering

1. Consultant Evaluation Form

2. Statement of Qualifications

a) IDOT Prequalification

b) Summary of current Municipal Projects

c) Qualifications of Engineers Staff

3. Statement of Qualifications Form

Design Engineering Short-List Proposal

Village of Bensenville

STATEMENT OF QUALIFICATIONS

All work identified herein will be performed by Civiltech Engineering, Inc. located at 2 Pierce Place, Suite 1400, Itasca, Illinois 60143. Mr. Jonathan R. Vana, P.E. shall serve as the contact person responsible for and knowledgeable of this proposal (630) 735-3382, jvana@civiltechinc.com.

Following is a copy of our IDOT prequalification letter for your review and information. Civiltech is pre-qualified in all categories that are anticipated to be required for required for design work under the Design Engineering Shortlist.

Civiltech also provides in-house Land Acquisition services to our clients including appraisal, and review appraisal services. We utilize Jorgensen and Associates for right-of-way document preparation services, and Santacruz Associates for negotiation services. Acquiring right-of-way for roadway projects is a key element to meeting project schedules, which has become very complicated in light of the real estate market, and IDOT requirements for clear title when federal funds are involved. Our designers are very well versed in the land acquisition requirements as they relate to the implementation of local agency projects. Our extensive experience providing these services in-house gives Civiltech a unique expertise and ability to serve the Village in this manner.

In comparison to other firms the Village is considering we believe Civiltech is uniquely qualified to provide design engineering services to the Village of Bensenville for the following reasons:

- Civiltech is quite familiar with the expectations of the Village in the preparation of contract documents for local roadway and utility improvements. Our past experience and performance on Village projects establishes our reputation to meet or exceed the Village's expectations.
- Civiltech performs design services for many other Villages, and therefore can share our experiences and information on techniques, new products or innovations that other communities are using that might be of benefit in the Village of Bensenville.
- Over the years we have developed a rapport with the Village such that we have a clear understanding of the communications necessary with not only the Village staff but also the residents and business owners involved in any given project.
- Civiltech is committed to target the same core group of individuals for Village of Bensenville projects. Our statement of qualifications will also demonstrate our extensive depth of staff, which will allow us to serve the Village projects of any scope and magnitude.
- We have an enthusiasm for practical, yet creative, design/engineering solutions.
- Civiltech is responsive to our client's needs. We meet or exceed the client's schedule and requirements, and are always readily available if a problem exists in design or during construction. Civiltech and its owners stand behind our work.
- We provide a quality product with qualified and friendly staff. Our goal is to achieve 100% client satisfaction. Our top priority is Client service.

- As a member of the team, we continually keep abreast of current and /or changing federal and state funding programs that may be of financial benefit to the community.

Civiltech has been providing Municipal Engineering services since our inception in October 1988. Our success in providing municipal roadway and infrastructure design services is measured by the amount of repeat business we obtain from our clients. Our general Statement of Qualifications is included here for Village review and includes a full listing of municipalities that we serve on a repeat basis.

Scope of Services:

If Civiltech is awarded a design project by the Village we will develop a detailed scope of services specific to any given assignment. The actual work items will be developed to match the Village's information presented in the RFQ and specific project requirements. We will prepare a detailed scope of work for approval by the Village prior to contract approval. Scopes of Services for Phase I and Phase II engineering for federally funded projects will be completed in accordance with requirements set forth by the FHWA through the IDOT Bureau of Local Roads and Streets. Civiltech has a successful history scoping design projects utilizing all types of funding sources in a manner that addresses all key project elements. The end result is that the chances are minimized that supplemental work and fees will be required after the project has been initially authorized.

Fee Structure:

Civiltech is dedicated to the philosophy of staffing projects with qualified individuals necessary to successfully complete projects at a reasonable cost to the Village. We trust that the foregoing information has demonstrated the ability of Civiltech to perform a wide range of projects and that Civiltech has the staff expertise and availability necessary to serve the Village.

Compensation for our work will be based upon actual labor dollars expended times a factor of 2.70 to cover actual payroll, overhead and indirect costs, payroll burden and fringe benefit costs and profit.

Our past record on Village roadway design projects and those of other clients show that we not only make every effort to meet the client's project objectives, but do so within the schedule and budget. We have provided references earlier in our proposal and again suggest the Village contact those references to verify that Civiltech makes every effort to perform the work within the agreed upon maximum fee. Our current workload is such that we can commit the key personnel and support staff needed for any Village design project in order to meet the proposed schedule. Furthermore, we are confident that our team can provide the best combination of talent and professional expertise that would be required for any project.

In summary, we greatly appreciate the number of opportunities that we have had to serve the Village in the past and the business relationships we have been able to develop over the years. We look forward to being of service to the Village for many years to come and will make every effort to instill the confidence that is necessary for the Village to want us to continue in this capacity.

We thank you for again considering Civiltech Engineering and look forward to the possibility of continuing our relationship with the Village of Bensenville.

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

October 2, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Jonathan Vana
CIVILTECH ENGINEERING, INC.
450 E Devon Ave.
Suite 300
Itasca, IL 60143

Dear Jonathan Vana,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $33,600,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 117.34% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR CIVILTECH ENGINEERING, INC.

CATEGORY	STATUS
Hydraulic Reports - Waterways: Complex	X
Hydraulic Reports - Pump Stations	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Location Design Studies - Rehabilitation	X
Special Studies - Safety	X
Environmental Reports - Environmental Assessment	X
Special Studies - Traffic Signals	X
Special Services - Construction Inspection	X
Special Studies - Location Drainage	X
Location Design Studies - New Construction/Major Reconstruction	X
Highways - Freeways	X
Special Studies - Lighting: Typical	X
Structures - Highway: Simple	X
Structures - Highway: Typical	X
Highways - Roads and Streets	X
Special Studies - Feasibility	X
Hydraulic Reports - Waterways: Typical	X
Special Studies - Traffic Studies	X
Environmental Reports - Environmental Impact Statement	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

CIVILTECH

Statement of Qualifications







Aerial Photography: Brian Fritz Photography

Civiltech Engineering is a civil and transportation engineering consultant partnering with public and private sector clients in the Chicagoland area since 1988.

Through technical excellence, responsive service, close communication, assured quality and local knowledge, Civiltech's multi-disciplinary team develops innovative planning, design and construction solutions.

Civiltech realizes that success lies in the individual service and attention we provide to our clients. Civiltech contributes to this success by completing projects in a timely manner and within budget.

CIVILTECH

Description of **Services**

Traffic Engineering
Crash Analyses and Safety Studies
Traffic Modeling and Simulation
Traffic Impact Studies
Feasibility Studies
Intersection and Interchange Design Studies
Neighborhood Traffic Management and Traffic Calming

Expressway and Highway Design
Freeway and Tollway Design
Arterial Highway Design
Construction Staging and Traffic Management Plans
Drainage and Utility Design
Highway Lighting

Traffic Signals and Intelligent Transportation Systems
Traffic Signal Design
Signal System Design
Surveillance and Communication Systems

Municipal Engineering
Pavement Management
Street Rehabilitation and Reconstruction Design
Grant Applications and Federal-Aid Project Implementation
Pedestrian and Bicycle Facilities Design
Storm Drainage Studies and Design
Water and Sewer Systems
Sewer System Rehabilitation and Replacement
Traffic Signals and Signal Systems
Street Lighting
Streetscape Design
Park Design
Topographic and Route Surveys

Civil Site Design
Site Evaluation, Planning and Engineering
Parking Lot Design
Traffic Impact Studies
Site Access and Off-Site Roadway Improvements
Storm Drainage Design
Water and Sewer Systems
Utility Coordination and Permitting
Site Lighting

Construction Engineering
Construction Inspection
Documentation
Project Management
Scheduling
Materials Coordination
Utilities Coordination
Quality Control
Constructability Reviews
Construction Layout
Project Communication – Website Development & Hosting

Environmental and Design Studies
Environmental Impact Statements and Assessments
Location and Design Studies
Project Development Reports
Location Drainage Studies
Highway Noise Analyses
Context Sensitive Solutions
Public Involvement Programs
Design Visualizations

Water Resources
Drainage and Utility Design
Storm Sewer and Detention Basin Design
Culvert and Bridge Hydraulic Structures Design
Bridge Scour Evaluations
Bank Stabilization
Floodplain Permitting and Analysis
Hydrologic and Hydraulic Modeling and Analysis
Stormwater and Environmental Permitting
Best Management Practices
Pump Stations

Bridges and Structures
Bridge Inspection and Rating
Highway Bridges
Commercial and Institutional Building Design
Pedestrian and Bicycle Bridges
Retaining Walls

Appraisal Services
Appraisals
Review Appraisals
State Agency Coordination
Right-Of-Way Consulting
Expert Testimony
Specialty Reports

Client List

Municipalities

Village of Addison
Village of Arlington Heights
City of Aurora
Village of Barrington
City of Batavia
Village of Bensenville
Village of Berkeley
Village of Bloomingdale
Village of Bridgeview
Village of Buffalo Grove
Village of Bull Valley
Village of Carol Stream
Village of Cary
Cicero Township
City of Country Club Hills
Village of Crete
City of Crystal Lake
Village of Deer Park
Village of Deerfield
City of Des Plaines
Village of Downers Grove
Village of East Hazel Crest
City of Elgin
Village of Elk Grove Village
City of Elmhurst
City of Evanston
Village of Evergreen Park
Village of Flossmoor
Village of Fox Lake
Village of Franklin Park
Village of Glendale Heights
Village of Glen Ellyn
Village of Glenview
Village of Grayslake
Village of Gurnee
Village of Hanover Park
Village of Hazel Crest
Village of Hinsdale
City of Highland Park
Village of Hoffman Estates
Village of Homewood
Village of Huntley
Village of Itasca
City of Joliet
Village of Johnsburg
Village of Lake Barrington
City of Lake Forest
Village of Lemont
Village of Libertyville
Village of Lisle
City of Lockport
Village of Lombard
City of McHenry
City of Marengo
Village of Matteson
Village of Monee
Village of Morton Grove
Village of Mount Prospect
Village of Mundelein
City of Naperville
Village of Niles
Village of Northbrook
Village of Oak Brook
City of Oak Forest
Village of Orland Park
Village of Oswego
Village of Palatine
Village of Park Forest
City of Park Ridge
Village of Plainfield
Village of Richton Park
Village of Robbins
Village of Romeoville
Village of Schaumburg
Village of Shorewood
Village of South Holland
Village of Sugar Grove
Village of Vernon Hills
Village of Villa Park
City of West Chicago
Village of Westmont
City of Wheaton
Village of Wilmette
Village of Winnetka
Village of Winfield
Village of Woodridge
City of Woodstock

State & County Agencies

Cook County Highway Department
DuPage County Division of Transportation
Forest Preserve District of Cook County
IDOT, Districts 1, 2, 3, 6 & 8
IDOT, Division of Public Transportation
Illinois Tollway
Kane County Division of Transportation
Lake County Division of Transportation
Lake County Forest Preserve District
Lake County Public Works Department
McHenry County Division of Transportation
Regional Transportation Authority
Will County Department of Highways

Other Public Agencies & Associations

Addison Fire Protection District
Addison School District #4
Arlington Heights School District 25
Bloomingdale Fire Protection District
Chicago Department of Transportation
Chicago Park District
Chicago Zoological Society
College of DuPage
Crystal Lake Park District
Huntley Park District
Libertyville High School District #128
Palatine Public Library
Palatine Fire Protection District
River Forest School District 90
South Suburban Mayors & Managers Association
United States Postal Service
Vernon Township
Villa Park Fire Department

Private Sector Clients

Abbott Laboratories
Albin Carlson & Co.
Aldridge Electric Co.
Allstate Insurance Company
Andrew Corporation
Ashley Capital
The Cuneo Trust
Cypress Equities, Inc.
Chicago Academy of Sciences
Edward Hospital
Fifth/Third Bank
Ford Motor Company
Grand Investors
Great Lakes Principals
Hamilton Partners
Harding Partners
The Jenkins Group
Lakewood Homes
Lennar Communities of Chicago
The Levy Organization
Mission Hills
Motorola, Inc.
Oxford Bank & Trust
Poag & McEwen Lifestyle Centers
Pulte Home Corporation
St. Michael's United Church
Staubauch Retail Services
Town & Country Homes
United Land Development
Van Vlissingen & Co.
Walsh Construction
Western Industries

Design Engineering Short-List Proposal

Village of Bensenville

RELEVANT PROJECT EXPERIENCE

The following Project Experience Matrix has been developed for this qualifications submittal to Bensenville to demonstrate our vast experience with projects including wide ranging design requirements.

The following table includes a listing of Design Engineering projects that Civiltech has recently completed. Also included are descriptions, including client contact, of several representative projects completed by our staff that required services similar to those likely to be involved as part of any future design project. We encourage the Village to contact the references listed in order to obtain an assessment of Civiltech's capability, adherence to project schedule and budget and quality of work.

Each of these projects contained to a great degree the same design expertise that will be required for Village of Bensenville design projects. Civiltech has extensive experience in the design of municipal improvements as evidenced by the projects listed above and the experience of our staff.

Project	Client	Funding	New Pavement Construction/ Reconstruction	Pavement Rehabilitation	Pedestrian Design	Stormwater / Storm Sewer Design	Sanitary Sewer and/or Watermain	Lighting	Land Acquisition	Structural Design	Traffic Signals	Streetscape Design	IDOT Route Jurisdiction	Resident Engineering Services
Church Road Reconstruction	Bensenville	STP	X		X	X	X							
Church Road TCM Improvements	Bensenville	TCM		X	X	X					X			
Church Road Bike Path and Milwaukee District/West Railway Crossing	Bensenville				X	X			X					
Modification of Tollway Bridge Parapet Aesthetics	Bensenville									X				
Village of Bensenville North Industrial Park Plan Review	Bensenville		X	X	X	X	X							X
JFK and Elk Grove Boulevard Rehabilitation	Elk Grove Village	STP		X	X					X	X	X		X
Elk Grove Business Park Drainage Improvements	Elk Grove Village	Local				X				X			X	X
Biesterfield Road/Oakton Street/Lively Boulevard Resurfacing	Elk Grove Village	STP		X	X								X	X
Lively Boulevard Reconstruction	Elk Grove Village	STP	X		X	X	X	X	X					X
IL Route 83 at Pratt and Greenleaf STP Improvements	Elk Grove Village	STP/Local	X	X	X	X	X				X	X	X	X
Biesterfield Road at I-290 STP Improvement	Elk Grove Village	STP						X			X	X	X	X
Devon Ave and Arlington Heights Rd	Elk Grove Village	STP	X		X	X		X	X		X			X
Biesterfield Road Resurfacing	Elk Grove Village	Local		X	X						X	X		X
State and National Parkway Reconstruction	Schaumburg	STP	X		X	X		X	X				X	
Woodfield Road Reconstruction	Schaumburg	STP	X		X	X		X	X		X		X	
Salem Drive Reconstruction	Schaumburg	STP	X		X	X		X	X					X
Walnut Lane STP Improvement	Schaumburg	STP	X		X	X	X		X					X
Barrington Road and Schaumburg Road CMAQ Improvement	Schaumburg	CMAQ/STP	X		X	X		X	X		X		X	
Wright Boulevard Reconstruction	Schaumburg	STP	X	X	X	X		X	X	X	X			
Roosevelt Road Watermain Lining	Lombard	Local						X					X	
Lombard Meadows Phase I and II	Lombard	Local	X		X	X	X	X						X
Circle Avenue	Lombard	Local	X		X	X	X	X						
Finley Road Rehabilitation	Lombard	Local		X	X	X	X							
Olde Towne East Phases III, IV and V	Lombard	Local	X		X	X	X	X						

Project	Client	Funding	New Pavement Construction/ Reconstruction	Pavement Rehabilitation	Pedestrian Design	Stormwater / Storm Sewer Design	Sanitary Sewer and/or Watermain	Lighting	Land Acquisition	Structural Design	Traffic Signals	Streetscape Design	IDOT Route Jurisdiction	Resident Engineering Services
Main Street Lighting Improvements - Roosevelt Road to North Avenue	Lombard	Local						X						
Industrial Drive Resurfacing	Elmhurst	STP		X	X									X
Swift Road LAFO	Addison	STP		X										
Villa Park 2016 Street Program	Villa Park	Local	X	X	X	X	X							
Van Buren Street Reconstruction	Villa Park	Local	X		X	X	X							
Berkeley Flood Control Project	Berkeley	Local				X								X
McDermott Drive Reconstruction	Berkeley	STP	X		X	X			X					X
Shoe Factory Road	Hoffman Estates	Local	X	X	X	X	X	X	X		X			
US 14/Arthur/Davis	Arlington Heights	STP	X	X	X			X	X		X		X	X
2012 Watermain and Sewer Improvements	Hanover Park	Local	X			X	X							
Libertyville Street Reconstruction 2013/2014/2015	Libertyville	Local	X		X	X	X							X
Greentree, Red Top and Fourth Avenue Resurfacing	Libertyville	STP		X	X								X	X
Rockland Road Reconstruction	Libertyville	STP	X		X	X	X			X			X	X
Lake Street STP Improvements	Libertyville	STP/Local		X	X		X							X
Main Street Reconstruction	Batavia	STP/IDOT	X		X	X	X	X	X		X		X	
Deerpath Road over Mill Creek	Batavia	HBP	X			X			X	X				X
Eagle Heights Area Reconstruction and Utility Improvements	Elgin	Local	X		X	X	X							X
Elgin Street Reconstruction Program 2014	Elgin	Local	X		X	X	X							X
Lake Zurich Road Realignment	Barrington	STP	X	X	X	X		X	X		X		X	X
Lakeview Parkway STP Improvements	Vernon Hills	STP	X			X			X		X		X	
Lake Cook and Weiland Road	Buffalo Grove	STP	X		X	X		X	X	X	X			
Atkinson Road Extension	Grayslake	HPP	X	X	X	X			X		X		X	
Kruetzer Road Extension	Huntley	STP	X		X	X			X	X	X		X	
South Main Street	Crystal Lake	STP	X	X	X	X	X				X			
Essington Road and Hennepin Drive	Joliet	STP	X		X	X	X	X	X	X	X			X

Project	Client	Funding	New Pavement Construction/ Reconstruction	Pavement Rehabilitation	Pedestrian Design	Stormwater / Storm Sewer Design	Sanitary Sewer and/or Watermain	Lighting	Land Acquisition	Structural Design	Traffic Signals	Streetscape Design	IDOT Route Jurisdiction	Resident Engineering Services
55th Street Improvements	DuPage County	STP	X	X	X	X	X		X	X	X			
Thorndale Avenue at I-290 STP Improvement	DuPage County	STP	X	X		X		X		X	X		X	
14th Street Reconstruction	Lake County	STP	X		X	X	X	X	X		X		X	
Washington Street Bikepath	Lake County	STP			X	X			X	X	X			
Petite Lake Road Reconstruction	Lake County	Local	X		X	X			X				X	
IL Route 176 and Fairfield Road	Lake County	Local	X		X	X		X	X	X	X		X	X
Washington Street Reconstruction and Widening	Lake County	STP/Local	X		X	X	X		X	X	X			
Quentin Road Resurfacing	Lake County	STP	X		X	X			X	X	X		X	
Grand Avenue Underpass	Lake County	ITEP			X	X		X		X			X	X
Quentin Road Widening and Reconstruction (US12 to IL 22)	Lake County	STP	X		X	X			X	X			X	
Petite Lake Road Re-alignment	Lake County	MFT	X	X		X			X		X		X	
Gilmer Road Underpass	Lake County	ITEP			X	X		X		X				X
Quentin Road at Rand Road STP Improvements	Lake County	STP	X		X	X			X		X		X	
Umbdenstock Road Bridge Replacement	Kane County	HPP	X				X		X	X				
Stearns Road Corridor	Kane County	HPP	X			X			X	X	X			X
IL Route 31 Western Algonquin Bypass	McHenry County	HPP/ STATE/ Local	X	X	X	X		X	X	X	X	X	X	

Project / Client	**Church Road Reconstruction (Jefferson to Grove)** Village of Bensenville
Scope of Work / (Contractor) / Client POC	Church Road is a major collector that services residential communities, First United Methodist Church, Breiter Palm Park, Blackhawk Middle School, and Bensenville Community Library. The existing pavement on Church Road was in poor condition. Sidewalks did not extend the full length of the corridor and were used often by residents. The purpose of the proposed roadway improvements was to improve roadway pavement and subgrade conditions and provide improved safety with a shared-use path along one side of the roadway. The shared-use path connects to a shared-use path south of Jefferson Street (3rd Avenue), and a shared-use path north of Grove Avenue. The proposed improvement on Church Road consisted of reconstructing the roadway between Jefferson Street (Third Avenue) and Grove Avenue. The reconstruction included one 13.5-foot lane in each direction and new B-6.18 concrete curb and gutter along both sides of Church Road. The pavement is drained with drainage structures and new storm sewer that runs under the pavement of Church Road. The roadside ditches and culverts were eliminated. The horizontal alignment matches the existing roadway centerline at the Church Road and Jefferson Street intersection and closely follows the existing roadway centerline between Jefferson Street and Grove Avenue with the exception of the proposed horizontal curvature south of the Church Road and Memorial Road/Breiter Court intersection. Phase I and Phase II Engineering **Funding:** Federal (STP/CMAQ) **Contractor:** K-Five **POC:** Joseph M. Caracci, P.E., Director of Public Works, Bensenville, 630-350-3431
Project Team	• Mary L. Young, P.E., PTOE – Director of Traffic, Environmental & Design Studies • Joel Christell, P.E. – Phase I Project Manager • Jim Tibble – Phase I Project Engineer • Jonathan R. Vana, P.E. - Director of Design Services • Reid T. Magner, P.E. – Phase II Project Manager • Petro Kravets – Phase II Project Engineer • Trent Bruns – Phase II Design Engineer
Construction Cost / Fee / Year	Construction Cost: 4.54 Million Fee: $392,383 Design: 2016 Construction: 2017

Project / Client	**Church Road TCM Improvements** Village of Bensenville
Scope of Work / (Contractor) / Client POC	Church Road is a main north-south residential collector roadway in Bensenville between Grand Avenue and Jefferson Street. Civiltech assisted the Village in securing TCM funding for on-street bike lanes and sidewalks along the corridor, which is part of a regional bike plan in DuPage County. Alternatives for on-street and off street paths were evaluated to determine the most appropriate geometric configuration considering adjacent land use, environmental impacts, parkway and tree impacts, right-of-way needs and future improvements. Close coordination was required with residents as well as the Park District because their White Pines golf course facility flanks the project on the east side. Design Approval 2015, and Phase II engineering was completed for a 2016 letting. Phase I and II Engineering **Funding:** STP **POC:** Mr. Joseph Caracci, P.E., Village of Bensenville, 630.350.3435
Project Team	• Mary L. Young, P.E., PTOE - Phase I Senior Project Manager • Joel Christell, P.E. - Phase I Project Manager • James R. Tibble, P.E. - Phase I Project Engineer • Jonathan R. Vana, P.E. - Phase II Director of Design Services • Reid Magner, P.E. – Phase II Project Manager • Petro Kravets – Phase II Project Engineer • Trent Bruns – Phase II Design Engineer
Construction Cost / Fee / Year	$1.1 million / $163,483 (Ph I. & Ph. II) / 2016

Project / Client	**Industrial Drive** City of Elmhurst
Scope of Work / (Contractor) / Client POC	This pavement rehabilitation improvement is a 3" HMA overlay (1" polymerized HMA leveling binder and 2" of HMA surface) on top of the existing jointed PCC pavement. The purpose is to address functional deficiencies. A 0.5" concrete scarification will be performed to remove surface faulting and to provide for better overlay adhesion. A 6-foot wide, 2.75" wedge-shaped scarification will occur at the edges of pavement to provide edge support for the overlay. Pavement patching will be performed as necessary. Some existing curb & gutter and portions of driveway aprons may be replaced as necessary. Minor drainage improvements may be made if drainage structures require adjustments or replacement. The roadway geometry will not be improved or changed as part of the proposed improvements. Approximately 5,350 feet of new PCC sidewalk is proposed along one side of the roadway. This project consists of pavement milling, HMA pavements, pavement patching, utility structure adjustments or reconstruction, pavement marking, temporary traffic control, landscaping, earth excavation, curb and gutter removal and replacement, pcc sidewalks, erosion control measures and traffic signal modifications. The proposed sidewalk will connect existing sidewalks on Grand Avenue and York Street. This will require earth excavation, erosion control, pcc sidewalks, mobilization, traffic control and protection, as well as all incidental and collateral work necessary to complete the project. Phase I and Phase II Engineering **Funding:** Federal (STP/TCM) **POC:** Kent Johnson, PE, CFM, City Engineer, City of Elmhurst, 630-530-3024
Project Team	• Mary L. Young, P.E., PTOE – Director of Traffic, Environmental & Design Studies • Joel Christell, P.E. – Phase I Project Manager • Jenny Gantumur – Phase I Design Engineer • Jonathan Vana, P.E. - Director of Design Services • Reid Magner, P.E. – Phase II Project Manager • Petro Kravets – Phase II Project Engineer • Trent Bruns – Phase II Design Engineer
Construction Cost / Fee / Year	Construction Cost: 2.06 Million Fee: $83,859 Design: 2016 Construction: 2017

Project / Client	**Eagle Heights Area Reconstruction and Utility Improvements** City of Elgin
Scope of Work / (Contractor) / Client POC	The City of Elgin has identified several neighborhood streets to be reconstructed in an Eagle Heights area (south of Royal Boulevard). These streets serve residential properties. This project is located west of North McLean Boulevard and south of Royal Boulevard. It consists of the preparation of contract plans and bid documents for the reconstruction of Royal Boulevard from McLean Boulevard to Tyler Creek (2,150 ft), Ruth Avenue (600 ft), Deborah Avenue (1,420 ft), Carol Avenue (1,170 ft), Diane Avenue (1,840 ft), Scott Drive (1,760 ft), Kimberly Avenue (850 ft), and Junior Place (315 ft) which equates to approximately 10,105 ft (1.9 miles) of street improvements. The project included the design and replacement of the existing water main and services out to the curb stops. The water main was looped from the end of Ruth Avenue through the city park to Deborah Avenue. These improvements were completed thru a separately bid construction contract as they were to be completed ahead of the roadway improvements under the water departments direction. The street reconstruction included storm sewer improvements and spot sanitary sewer repairs. Design Engineering **Funding:** Local **Contractor:** Orange Crush (Roadway), J. Congdon (Water Main) **POC:** Joseph Evers, P.E., City Engineer, City of Elgin, 847-931-5958 and Eric Weiss, P. E., Senior Engineer – Water Dept. Utilities, City of Elgin 847-931-6159
Project Team	• Jonathan Vana, P.E. - Director of Design Services • Reid Magner, P.E. –Project Manager • Petro Kravets –Project Engineer • Trent Bruns –Design Engineer
Construction Cost / Fee / Year	Construction Cost: Roadway $3,528,000 and Water Main $2,377,778 Fee: $247,844 Design: 2015 Construction: 2016

Project / Client	**Lake Cook and Weiland Road** Village of Buffalo Grove
Scope of Work / (Contractor) / Client POC	This project consists of the widening and reconstruction of over three miles of Weiland Road and over one mile of Lake Cook Road in the Villages of Buffalo Grove and Wheeling. The improvement included two through lanes in each direction on Weiland Road and three through lanes in each direction on Lake Cook Road, separated by a center median to allow for left turn channelization at intersections. This project also included the construction of a new roadway on a new alignment that will link up Weiland Road directly with Prairie Road. Short Aptakisic Road is also be realigned between Buffalo Grove Road and IL Route 83 to improve safety and operation and provide a route that can better accommodate traffic movements between Buffalo Grove Road and both Weiland Road and Lake Cook Road. In addition, pedestrian and bicycle accommodations will be provided. The proposed improvements include the widening in-kind of the single span rolled beam bridge that carries Buffalo Grove Road over Buffalo Creek, and the replacement of the triple cell box culvert that carries Aptakisic Road over Buffalo Creek with a 3-span slab bridge. The proposed improvements include numerous drainage features within the project area including new storm sewers and new detention basins. An Environmental Assessment and a Combined Design Report were prepared for this project. Due to highway noise impacts in the project corridor, an extensive public outreach program was conducted to educate and obtain input from affected property owners regarding implementation of noise walls. Although the Phase I Engineering was funded locally, Civiltech has assisted the Village of Buffalo Grove and the Cook County Highway Department in securing CMAQ and STP Federal funding for construction. Phase I and II Engineering **Funding:** STP **POC:** Mr. Darren Monico, P.E., Phase I Senior Village Engineer, 847.459.2547
Project Team	• Mary L. Young, P.E., PTOE - Project Manager • Joel E. Christell, P.E. - Phase I Project Manager • Jonathan R. Vana, P.E. - Director of Design Services • David J. Kreeger, P.E. - Phase II Project Manager • Kristin R. Kalitowski, P.E. - Phase II Project Engineer • Jeffrey A. Tomasek, P.E. - Phase II Design Engineer • Kyle D. Clary - Phase II Design Engineer • Gregory J. Hatlestad, P.E., S.E. - Chief Structural Engineer • Joseph J. Emry, P.E. - Traffic Signals Engineer
Construction Cost / Fee / Year	$96.0 million / $1.96 million (Phase I) and $7.0 million (Phase II) Construction - Anticipated in 2017

Project / Client	**State Parkway and National Parkway** Village of Schaumburg
Scope of Work / (Contractor) / Client POC	This Surface Transportation Program funded project includes reconstructing State Parkway / National Parkway from Plum Grove Road to IL Route 58 (Golf Road). The project will connect to a proposed roundabout at the Plum Grove Road and State Parkway intersection. The existing roadway is in poor condition and consists of two through lanes in each direction separated by a multipurpose landscaped median. The median contains several ditches that serve as drainage outlets for the roadway and connect to an existing lake north of the project area. The median ditches also contain wetlands, floodplains and floodways. The roadway currently has intermittent sidewalks and a shared-use path that ends north of IL Route 58. The roadway will be reconstructed and decreased to one though lane in each direction since traffic volumes did not warrant maintaining two lanes. On-street bicycle lanes will also be added to the roadway cross section. Bicycle accommodations will fulfill a portion of the Village's future bicycle plan and help to maintain a wider roadway cross section for truck movements in this commercial and industrial area. The inside curb line will be maintained to limit fill in the floodplain and the existing median ditches will be regraded to improve drainage function. A public meeting was held early in the alternative development process. After a preferred alternative was selected by the Village, letters were sent to all property owners informing them of the proposed improvement and potential right-of-way acquisition. Comments received from the letters were addressed and the design was altered accordingly. Phase II design began in late 2016 Phase I and II Engineering **Funding:** STP **POC:** Ms. Kristin Mehl, P.E., Village of Schaumburg, 847.923.6618
Project Team	• Mary L. Young, P.E., PTOE – Director of Traffic, Environmental & Design Studies • Joel E. Christell, P.E. – Phase I Project Manager • Maddie Johnson – Phase I Project Engineer • Thomas K. Liliensiek, P.E. – Director of Water Resources • Jonathan R. Vana, P.E. – Director of Design Services • David J. Kreeger, P.E. – Phase II Project Manager • Kristin R. Kalitowski, P.E. – Phase II Project Engineer • Jeffrey A. Tomasek, P.E. – Phase II Project Engineer • Kyle D. Clary – Phase II Design Engineer
Construction Cost / Fee / Year	$5.5 million (Phase I Estimate) / $793,909 / Programmed for 2019

Project / Client	**Lombard Meadows Phase I and II** Village of Lombard
Scope of Work / (Contractor) / Client POC	Phase I of Lombard Meadows included the reconstruction of Chase Lane and Chase Court in the Village of Lombard. Phase II of Lombard Meadows included the reconstruction of Lilac Way, Lodge Lane, and Bradley Lane. Utility improvements were included in the projects resulting in fully improved Village streets encompassing new water mains including service connections, rehabilitated sanitary sewers with new service connections, and new storm sewers with increased inlet capacity. New water main was also installed across a new easement within the Lombard Meadows park property providing a revised loop connection within the system. This allowed the abandonment of an existing main that ran between houses on Chase Court. Along Bradley Lane, the existing parking lanes were separated from the through lanes with the installation of depressed curb. This will allow for better delineation between the portion the Village is responsible for maintaining (through lanes) and the portion the Park District is responsible for maintaining (parking spots). Substantial unsuitable sub-grade soil remediation was also required as part of the pavement reconstruction and utility installations. The project also included new street lighting, and the controller for the overall Lombard Meadows area was included in this Phase of the project. Three future phases are planned within the overall area, and compatibility with future construction was ensured during the design of this first two Phases. Civiltech also worked closely with the Village to effectively coordinate with the project stakeholders including residents, the Park District and local public agencies and service providers. Phase I & II Engineering **Funding:** Local **POC:** Carl Goldsmith, Public Works Director, 630.620.5740
Project Team	• Jonathan R. Vana, P.E. - Director of Design Services • David J. Kreeger, P. E. - Project Manager • Kristin R. Kalitowski, P.E. - Project Engineer • Jeffrey A. Tomasek, P.E. – Design Engineer • Kyle D. Clary – Design Engineer
Construction Cost / Fee / Year	$2.0 million (Phase I) – 2014 $2.8 million (Phase II) - 2015 Combined Engineering Fee (Phase I and II) - $357,249

Project / Client	**John F. Kennedy/Elk Grove Boulevard Resurfacing** Village of Elk Grove Village
Scope of Work / (Contractor) / Client POC	This project involves the resurfacing of approximately 1.9 miles of roadway within a residential area that also consists of five community parks, four schools, and community commercial areas. The roadways were showing signs of age related distress and required HMA patching and resurfacing. Modifications to the sidewalk on each side of the bridge over Salt Creek and replacement of the approach pavement will be needed. The bridge will be widened to provide 5-foot sidewalks on both sides with a concrete barrier separating the sidewalk from the roadway. Decorative railings will replace the existing railings on the outside of the bridge to match other bridge railings within the Village. As part of the project, all of the existing curb ramps will be replaced to meet current ADA requirements, including detectable warnings and modifications to the ramp slopes. At the intersection of Elk Grove Boulevard and Arlington Heights Road, pedestrian pushbuttons and signal heads will be added for all legs of the intersection. Phase I and II Engineering **Funding:** STP **POC:** Mr. Brian Lovering, P.E., Elk Grove Village, 847.734.8800
Project Team	• Mary L. Young, P.E., PTOE – Director of Traffic, Environmental & Design Studies • Joel E. Christell, P.E. – Phase I Project Manager • Jonathan R. Vana, P.E. – Director of Design Services • David J. Kreeger, P.E. – Phase II Project Manager • Kristin R. Kalitowski, P.E. – Project Engineer • Jeffrey A. Tomasek, P.E. – Design Engineer • Kyle D. Clary – Design Engineer • Thomas K. Liliensiek, P.E. – Director of Water Resources • John L. Perkins, P.E., CFM – Drainage Engineer • Greg J. Hatlestad, P.E., S.E. – Structural Lead • Jeffrey T. Schroeder – Structural Engineer • Katelyn L. Kompare – Structural Engineer
Construction Cost / Fee / Year	$2,968,000 Combined Engineering Fee (Phase I and II) $210,650/2018

Project / Client	**Main Street Reconstruction** City of Batavia
Scope of Work / (Contractor) / Client POC	This project includes reconstructing Main Street from Van Nortwick Avenue to Water Street. The existing roadway east of Van Nortwick Avenue is in poor condition and has a variable roadway width. The existing IL Route 31 (Batavia Avenue) and Main Street intersection also requires updating due to its out of date traffic signals, skewed geometric alignment which has resulted in a high percentage of rear end crashes, and non ADA compliant pedestrian ramps. Reconstruction of the roadway will provide a consistent cross section with a designated parking lane. Bicycle pavement markings will be provide to promote shared lane use. The IL Route 31 and Main Street intersection will be reconstructed and the alignment improved by providing a horizontal curve along Main Street through the intersection to eliminate the intersection offset and kink. The intersection profile will be raised to allow for ADA compliant ramps. Left turn lanes will be added to IL Route 31 to improve traffic flow. Also, as part of this project, a new storm sewer system will be constructed and is designed for a future separation of the combined sewer system. Phase I and II Engineering **Funding:** STP/IDOT **POC:** Mr. Rahat Bari, P.E., City of Batavia, 630-454-2760
Project Team	• Mary L. Young, P.E., PTOE – Director of Traffic, Environmental & Design Studies • Joel E. Christell, P.E. – Project Manager • Jonathan R. Vana, P.E. – Director of Design Services • Derek N. Mall, P.E. – Project Manager • Mark J. Piasecki, P.E. – Project Engineer • Thomas K. Liliensiek, P.E. – Drainage Lead • John L. Perkins, P.E., CFM – Drainage Engineer
Construction Cost / Fee / Year	$4,700,000 Combined Engineering Fee (Phase I and II) $710,173/2019

Project / Client	**2016 Street Rehabilitation Program** Village of Villa Park
Scope of Work / (Contractor) / Client POC	The Village recently passed a referendum to fund street improvements throughout the Village. Civiltech was selected to complete design of the 2016 Street improvements. The approximately 3 miles of mostly residential streets were in need of various levels of rehabilitation. To assist in scoping of the improvements for each project soil borings, pavement cores, and a roadway analysis were completed in an advance contract. The proposed improvements consisted of surface treatments to full reconstruction. The Village also had a set budget for the improvements, requiring Civiltech to adjust the improvements to the budget. The project included inspection of all underground structures to establish condition for determining need for repair or replacement. Roadways were inspected for curb and gutter replacement and pavement patching. Home Avenue included separating the remaining combination sewer. Phase II Engineering **Funding:** Local **POC:** Mr. Jeremie Lukowicz, P.E., Assistant Village Engineer, (847) 247-5435
Project Team	• Jonathan R. Vana, P.E. – Director of Design Services • Derek N. Mall, P.E. – Project Manager • Mark J. Piasecki, P.E. – Project Engineer
Construction Cost / Fee / Year	$1.6 million / $178,481 / 2015

Design Engineering Short-List Proposal

Village of Bensenville

PROJECT STAFFING

As with any firm the experience of the company lies in the personnel that would be assigned to a particular project. For any potential roadway Short-List project, Civiltech intends to staff each project with professional and support staff from our local Itasca office. We offer to the Village the staff assignments as indicated in the following Organizational Chart, for the Design Engineering Short-List.

Our staff members are extremely well-versed in Federal-Aid procedures and requirements so that we can ensure that improvement concepts are eligible for federal funding. Through our experience in Federal-Aid projects we have also learned what is required to navigate the complex implementation process to secure jurisdictional agency cooperation. This is one area where we feel we serve our clients particularly well. We would invite you contact Mr. Alex Househ of IDOT-Bureau of Local Roads and Streets (847.705.4410) to discuss our performance

The following tables present the staff members that we would be able to assign to any design project awarded to us by the Village. Each table lists the level of responsibility of the individuals for the projects described in the Project Experience & References portion of this proposal. We encourage the Village to contact the references listed in order to obtain an assessment of Civiltech's personnel and their ability to provide quality work, on time and within budget.

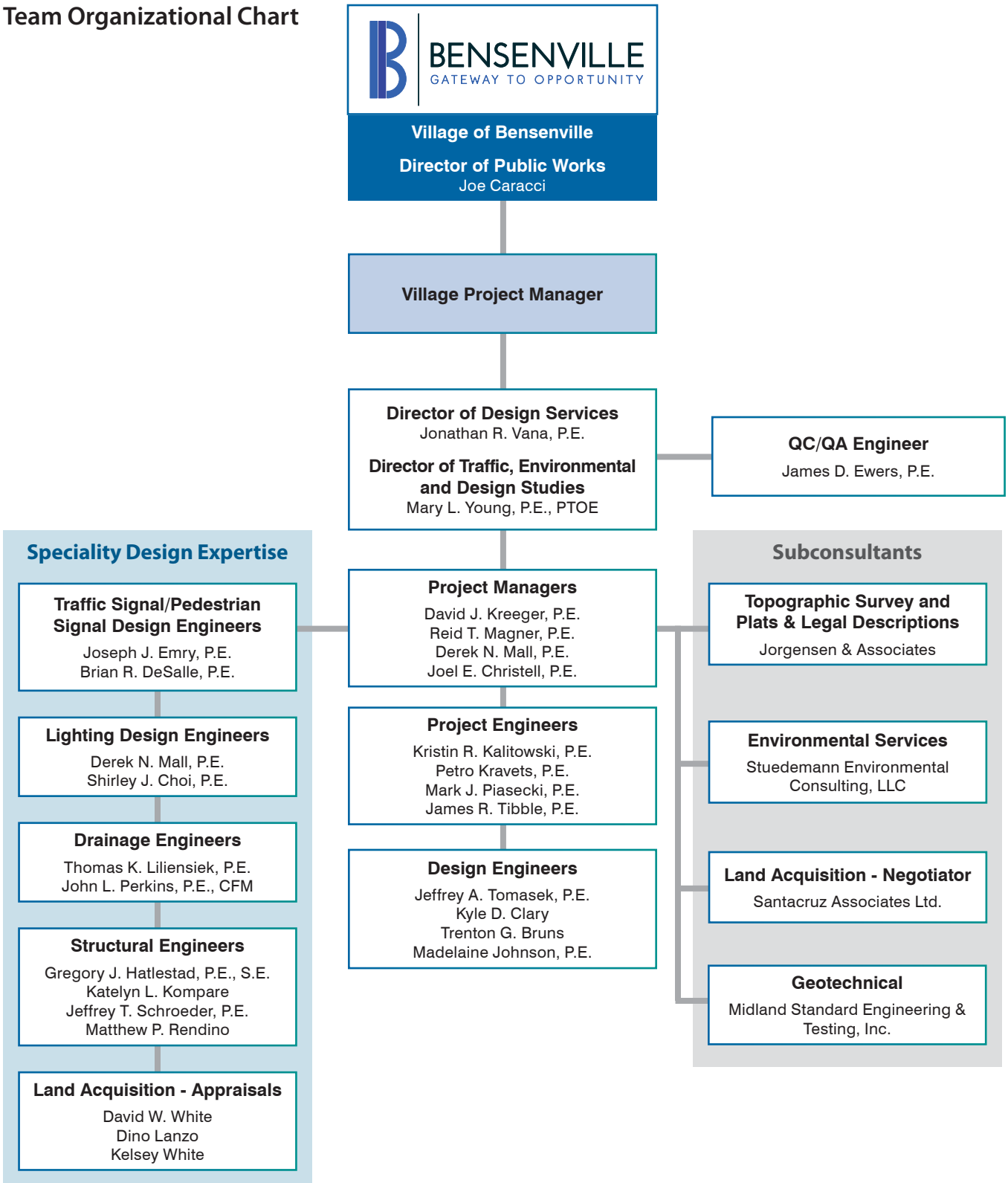
Sub-consultants

Civiltech will utilize Jorgensen and Associates for topographic survey and the preparation of right-of-way documents if required as part of the Village's projects. Chris Jorgensen has worked both as a sub-consultant to Civiltech on past projects, and like all of our sub-consultants, we continue to use him because of his excellent past performance.

Civiltech will use Santacruz Associates for land acquisition negotiations should the need arise on any of the Village's projects. We have used Santacruz extensively on our municipal projects in the past, and he has performed exceptionally under tight schedules. His experience focuses on municipal, county and state land acquisition for transportation projects, and has an excellent relationship with the IDOT Bureau of Land acquisition.

Civiltech will utilize Studemann Environmental Consulting (SEC) to provide environmental services such as wetland delineations, reports and permitting if required as part of a Village project. We have a long-standing relationship with Barry Studemann, founder of SEC, and he continues to proactively address environmental aspects of our projects when working with the USACOE and DuPage County.

Team Organizational Chart



Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
Jonathan R. Vana, P.E. Director of Design Services / Senior Project Manager	23/23	**Church Road Reconstruction - Bensenville** **Church Road TCM Improvements - Bensenville** Industrial Drive Resurfacing - Elmhurst Eagle Heights Area Reconstr. and Utility Imprv. – Elgin Lake Cook and Weiland Road – Buffalo Grove Lombard Meadows Phase I and II - Lombard JFK and Elk Grove Boulevard Rehabilitation - Elk Grove Village Main Street Reconstruction - Batavia 2016 Street Rehabilitation Program - Villa Park Finley Road Rehabilitation - Lombard Main Street Lighting Improvements - Roosevelt Road to North Avenue Salem Drive Reconstruction - Schaumburg Lively Boulevard Reconstruction - Elk Grove Village Van Buren Street Reconstruction - Villa Park Libertyville Street Reconstruction 2013/2014 Biesterfield Road Resurfacing - Elk Grove Swift Road LAFO - Addison 2012 Watermain and Sewer Improvements - Hanover Park Walnut Lane STP Improvement – Schaumburg IL Route 176 and Fairfield Road – Lake County Washington Street Reconstruction and Widening – Lake County Quentin Road Resurfacing – Lake County Thorndale Avenue at I-290 STP Improvement – DuPage County McDermott Drive Reconstruction – Berkeley Stearns Road Corridor – Kane County Main Street ERP Improvements – Park Ridge Avondale Avenue ERP Improvements – Park Ridge Jon managed the project design efforts, provided QC/QA and technical support, and served as the liaison between Civiltech and our clients. He was also responsible for ensuring the work was completed within the parameters of the project schedule and budget. He serves as a Senior Project Manager for municipal, county and state roadway improvement projects ranging in size from intersection improvements to major highway and freeway projects. He is experienced in highway and local street design, municipal infrastructure, drainage design and has firsthand experience with the implementation of Village of Bensenville projects. Jon also has substantial experience with local agency projects processed through the IDOT Bureau of Local Roads and Streets. He would oversee all projects completed for the Village of Bensenville.

Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
Mary L. Young, P.E., PTOE Phase I Engineering Senior Project Manager	26/26	Project Manager: **Church Road Reconstruction - Bensenville** **Church Road TCM Improvements - Bensenville** Industrial Drive Resurfacing - Elmhurst Lake Cook and Weiland Road – Buffalo Grove State and National Parkway Reconstruction - Schaumburg JFK and Elk Grove Boulevard Rehabilitation - Elk Grove Village Main Street Reconstruction - Batavia 14th Street Reconstruction - LCDOT Green Tree, Red Top, and Fourth Avenue Resurfacing - Libertyville Lake Zurich Road Realignment - Barrington Rockland Road Reconstruction - Libertyville Biesterfield Road/Oakton Street /Lively Boulevard Resurfacing - Elk Grove Village Lively Boulevard Reconstruction - Elk Grove Village Washington Street Bikepath - LCDOT IL Route 176 and Fairfield Road – Lake County Thorndale Avenue at I-290 STP Improvement – DuPage County McDermott Drive Reconstruction – Berkeley Grand Avenue Underpass – Lake County FPD Deerpath Road over Mill Creek – Batavia Quentin Road Widening and Reconstruction (N. to Rte. 22) – Lake County Barrington Road and Schaumburg Road CMAQ Improvement - Schaumburg IL Route 83 at Pratt and Greenleaf STP Improvements – Elk Grove Village Biesterfield Road at I-290 STP Improvement – Elk Grove Village IL Route 59 Sidewalk ARRA Improvements – Naperville Lake Street STP Improvements – Libertyville Addison Road Resurfacing and Watermain – Addison Atkinson Road Extension – Grayslake Petite Lake Road Re-alignment – LCDOT IL Route 31 Western Algonquin Bypass – McHenry County DOT Essington Road and Hennepin Drive – Joliet Gilmer Road Underpass – Lake County FPD Mary has successfully managed the above projects for various clients of Civiltech, and has extensive experience in the Phase I Engineering stage of Federal-aid projects processed and approved by the IDOT Bureau of Local Roads and Streets. Her project experience ranges from local intersection improvements to major highway projects. She would manage any federal-aid projects with the Village of Bensenville requiring Phase I engineering in accordance with IDOT requirements.

Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
David J. Kreeger, P.E. Project Manager	19/19	Project Manager / Project Engineer: Lake Cook and Weiland Road – Buffalo Grove State and National Parkway Reconstruction - Schaumburg Lombard Meadows Phase I and II - Lombard JFK and Elk Grove Boulevard Rehabilitation - Elk Grove Village Roosevelt Road Watermain Lining - Lombard Finley Road Rehabilitation - Lombard Olde Towne East Phases III, IV and V - Lombard Woodfield Road Reconstruction - Schaumburg Biesterfield Road/Oakton Street/Lively Boulevard Resurfacing - Elk Grove Village Elk Grove Business Park Drainage Improvements Salem Drive Reconstruction - Schaumburg Lively Boulevard Reconstruction - Elk Grove Village Biesterfield Road Resurfacing - Elk Grove Walnut Lane STP Improvement – Schaumburg IL Route 176 and Fairfield Road – Lake County Barrington Road and Schaumburg Road CMAQ Improvement - Schaumburg IL Route 83 at Pratt and Greenleaf STP Improvements – Elk Grove Village Biesterfield Road at I-290 STP Improvement – Elk Grove Village Wright Boulevard Reconstruction – Schaumburg IL Route 31 Western Algonquin Bypass – McHenry County DOT Essington Road and Hennepin Drive – Joliet Shoe Factory Road – Hoffman Estates Devon Ave and Arlington Heights Rd - Elk Grove Dave was responsible for managing and performing the daily design activities on these projects. He is experienced in local street and highway design, sewer and watermain design and complete plan preparation, along with substantial experience implementing projects utilizing Federal or other State funding requiring approval by the IDOT Bureau of Local Roads and Streets.

Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
Kristin R. Kalitowski, P.E. Project Engineer	15/15	Project Engineer: Lake Cook and Weiland Road – Buffalo Grove State and National Parkway Reconstruction - Schaumburg Lombard Meadows Phase I and II - Lombard JFK and Elk Grove Boulevard Rehabilitation - Elk Grove Village Roosevelt Road Watermain Lining - Lombard Finley Road Rehabilitation - Lombard Olde Towne East Phases III, IV and V - Lombard Woodfield Road Reconstruction - Schaumburg Biesterfield Road/Oakton Street/Lively Boulevard Resurfacing - Elk Grove Village Salem Drive Reconstruction - Schaumburg Biesterfield Road Resurfacing - Elk Grove Walnut Lane STP Improvement – Schaumburg IL Route 176 and Fairfield Road – Lake County Barrington Road and Schaumburg Road CMAQ Improvement - Schaumburg IL Route 83 at Pratt and Greenleaf STP Improvements – Elk Grove Village Biesterfield Road at I-290 STP Improvement – Elk Grove Village Wright Boulevard Reconstruction – Schaumburg IL Route 31 Western Algonquin Bypass – McHenry County DOT Essington Road and Hennepin Drive – Joliet Shoe Factory Road – Hoffman Estates Devon Ave and Arlington Heights Rd - Elk Grove Kristin is experienced with roadway geometric design, storm sewer design, sanitary sewer and watermain design, and the preparation of plans, special provisions and estimates for municipal and transportation improvements. She has completed this work for projects utilizing all types of project funding including local, state, federal and MFT.

Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
Jeffrey A. Tomasek, P.E. Design Engineer	10/9	Design Engineer: Lake Cook and Weiland Road – Buffalo Grove State and National Parkway Reconstruction - Schaumburg Lombard Meadows Phase I and II - Lombard JFK and Elk Grove Boulevard Rehabilitation - Elk Grove Village Roosevelt Road Watermain Lining - Lombard Olde Towne East Phases III, IV and V - Lombard Woodfield Road Reconstruction - Schaumburg JFK and Elk Grove Boulevard Rehabilitation - Elk Grove Village Biesterfield Road/Oakton Street/Lively Boulevard Resurfacing - Elk Grove Village Elk Grove Business Park Drainage Improvements Salem Drive Reconstruction - Schaumburg Biesterfield Road Resurfacing - Elk Grove Walnut Lane STP Improvement – Schaumburg IL Route 176 and Fairfield Road – Lake County Barrington Road and Schaumburg Road CMAQ Improvement - Schaumburg IL Route 83 at Pratt and Greenleaf STP Improvements – Elk Grove Village Biesterfield Road at I-290 STP Improvement – Elk Grove Village Wright Boulevard Reconstruction – Schaumburg Essington Road and Hennepin Drive – Joliet Shoe Factory Road – Hoffman Estates Devon Ave and Arlington Heights Rd - Elk Grove Jeff has served as a Design Engineer on the above projects and has gained experience with the preparation of contract plans, special provisions and estimates for various types of local agency improvement projects. He is experienced in local street design, municipal infrastructure design, and drainage design.

Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
Kyle D. Clary Design Engineer	4/4	Design Engineer: Lake Cook and Weiland Road – Buffalo Grove State and National Parkway Reconstruction - Schaumburg Lombard Meadows Phase I and II - Lombard JFK and Elk Grove Boulevard Rehabilitation - Elk Grove Village Roosevelt Road Watermain Lining - Lombard Woodfield Road Reconstruction - Schaumburg Biesterfield Road/Oakton Street/Lively Boulevard Resurfacing - Elk Grove Village Salem Drive Reconstruction - Schaumburg Biesterfield Road Resurfacing - Elk Grove Kyle has served as a Design Engineer on the above projects and has gained experience since graduating from the University of Illinois in the design and preparation of contract plans for various local street and Federal-aid projects. He recently passed the PE exam and is working towards the experience requirement to become a registered professional engineer.

Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
Shirley J. Choi, P.E. Project Engineer / Lighting Design Engineer	20/20	Project Engineer / Lighting Engineer: Lombard Meadows Phase I and II - Lombard Olde Towne East Phases III, IV and V - Lombard Main Street Lighting Improvements - Lombard Walnut Lane STP Improvement – Schaumburg IL Route 176 and Fairfield Road – Lake County Thorndale Avenue at I-290 STP Improvement – DuPage County Grand Avenue Underpass – Lake County FPD Barrington Road and Schaumburg Road CMAQ Improvement - Schaumburg Biesterfield Road at I-290 STP Improvement – Elk Grove Village Dee Road Sidewalk SRTS Improvement - Park Ridge Wright Boulevard Reconstruction – Schaumburg IL Route 31 Western Algonquin Bypass – McHenry County DOT Essington Road and Hennepin Drive – Joliet Gilmer Road Underpass – Lake County FPD Wise Road Reconstruction – Schaumburg Park n Ride facility – Naperville Haligus Road Extension - Huntley Holbolt Road and Bridge Street Improvements - Joliet Fullerton Avenue Reconstruction - Addison Ridge Avenue - Evanston Naperville/Warrenville/I-88 Interchange - DuPage County Lively Boulevard Reconstruction - Elk Grove Devon Ave and Arlington Heights Rd - Elk Grove Shirley was responsible for the daily lighting design activities on the above projects and has developed an excellent understanding of the various municipality's design requirements and expectations. She also has experience in complete roadway design and contract plan preparation; including Federal-aid projects.

Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
Joel E. Christell, P.E. Project Manager / Phase I Project Engineer	18/18	Project Manager: **Church Road Reconstruction - Bensenville** **Church Road TCM Improvements - Bensenville** Industrial Drive Resurfacing - Elmhurst Lake Cook and Weiland Road – Buffalo Grove State and National Parkway Reconstruction - Schaumburg JFK and Elk Grove Boulevard Rehabilitation - Elk Grove Village Main Street Reconstruction - Batavia 14th Street Reconstruction - LCDOT Biesterfield Road/Oakton Street /Lively Boulevard Resurfacing - Elk Grove Village Lively Boulevard Reconstruction - Elk Grove Village Washington Street Bikepath - LCDOT McDermott Drive Reconstruction – Berkeley Grand Avenue Underpass – Lake County FPD Barrington Road and Schaumburg Road CMAQ Improvement - Schaumburg Biesterfield Road at I-290 STP Improvement – Elk Grove Village IL Route 83 at Pratt and Greenleaf STP Improvements – Elk Grove Village Gilmer Road Underpass – Lake County FPD South Main Street – Crystal Lake Kreutzer Road Extension – Huntley Devon Ave and Arlington Heights Rd - Elk Grove Joel will serve as the Phase I Project Engineer and brings 15 years of local agency Phase I engineering experience to the team. He is experienced in traffic analysis, roadway alignment and geometric design, location-design studies, and Location Drainage Studies. He will be responsible for coordinating and completing the day-to-day design engineering tasks on Village of Bensenville Phase I projects utilizing Federal Funding.

Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
Derek N. Mall, P.E. Project Manager / Project Engineer	25/25	Lighting Engineer: State and National Parkway Reconstruction- Schaumburg Lombard Meadows Phase I and II Main Street Reconstruction - Batavia 2016 Street Rehabilitation Program - Villa Park Circle Avenue - Lombard Finley Road Rehabilitation - Lombard Olde Towne East Phases III, IV and V - Lombard Main Street Lighting Improvements - Lombard Woodfield Road Reconstruction - Schaumburg 14th Street Reconstruction - LCDOT Libertyville Street Reconstruction 2013/2014/2015 Green Tree, Red Top and Fourth Avenue Resurfacing - Libertyville Lake Zurich Road Realignment - Barrington Van Buren Street Reconstruction - Villa Park Libertyville Street Reconstruction 2013/2014 Walnut Lane STP Improvement – Schaumburg IL Route 176 and Fairfield Road – Lake County Thorndale Avenue at I-290 STP Improvement – DuPage County Grand Avenue Underpass – Lake County FPD Umbdenstock Road Bridge Replacement – Kane County Stearns Road Corridor – Kane County Barrington Road and Schaumburg Road CMAQ Improvement - Schaumburg Biesterfield Road at I-290 STP Improvement – Elk Grove Village Greenwood Road at Glenview Road STP Improvement – Glenview Lake Street STP Improvements – Libertyville Wright Boulevard Reconstruction – Schaumburg Atkinson Road Extension – Grayslake IL Route 31 Western Algonquin Bypass – McHenry County DOT Essington Road and Hennepin Drive – Joliet Gilmer Road Underpass – Lake County FPD Shoe Factory Road – Hoffman Estates Devon Ave and Arlington Heights Rd - Elk Grove Derek oversees all the lighting design performed by Civiltech. He also serves as a Phase II Project Manager for municipal, county and Tollway roadway projects. He heads the lighting design group and would continue to do so for all Village of Bensenville projects.

Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
Gregory J. Hatlestad, P.E., S.E. Director of Structural Engineering	23/10	Lead Structural Engineer: Lake Cook and Weiland Road – Buffalo Grove JFK and Elk Grove Boulevard Rehabilitation - Elk Grove Village Washington Street Bikepath - LCDOT IL Route 176 and Fairfield Road – Lake County Washington Street Reconstruction and Widening – Lake County Quentin Road Resurfacing – Lake County Thorndale Avenue at I-290 STP Improvement – DuPage County Grand Avenue Underpass – Lake County FPD Umbdenstock Road Bridge Replacement – Kane County Stearns Road Corridor – Kane County Main Street ERP Improvements – Park Ridge Deerpath Road over Mill Creek – Batavia Quentin Road Widening and Reconstruction (N. to Rte. 22) – Lake County Lake Cook and Wieland Road – Buffalo Grove Wright Boulevard Reconstruction – Schaumburg Atkinson Road Extension – Grayslake IL Route 31 Western Algonquin Bypass – McHenry County DOT Essington Road and Hennepin Drive – Joliet Gilmer Road Underpass – Lake County FPD Barrington Road CN Railroad Study – Barrington Kreutzer Road Extension – Huntley Quentin Road at Rand Road STP Improvements- LCDOT I-90 Master Plan - Illinois Tollway I-90 Rehabilitation (Elmhurst to Golf) Illinois Tollway US Route 30 over Hickory Creek - IDOT Southwest Highway over B & O Railroad - IDOT Wilmington Road over I-55 - IDOT US Route 30 over Rock Creek - IDOT IL Route 22 over the DesPlaines River - IDOT Greg has over 20 years of experience inspecting, planning, and designing transportation structures in Illinois. He has been responsible for the preparation of Bridge Condition Reports (BCR's), Bridge Type Studies, Type, Size and Location (TSL) drawings, and Final drawings and Specifications on many IDOT projects, including new bridges and bridge rehabilitations. His bridge design experience includes multi-span bridges, curved bridges, and bridges over waterways and railroads. Recently he supervised the preparation of a BCR and a TSL for Lake Shore Drive Bridge over LaSalle Drive for Chicago's Department of Transportation in accordance with IDOT standards. He will be responsible for all structural analysis, inspection, and structural plan

Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
Reid T. Magner, P.E. Project Manager	19/18	Drainage Engineer / Project Manager: **Church Road Reconstruction – Bensenville** **Church Road TCM Improvements - Bensenville** Industrial Drive Resurfacing - Elmhurst Eagle Heights Area Reconstr. and Utility Imprv. – Elgin Finley Road Rehabilitation - Lombard 14th Street Reconstruction – Lake County Lake Zurich Road Realignment - Barrington 55th Street Improvements – DuPage County Washington Street Bikepath – Lake County Elgin Street Reconstruction Program 2014 Petite Lake Road Reconstruction – Lake County Swift Road LAFO - Addison Quentin Road Resurfacing – Lake County Washington St Reconstruction – Lake County Grand Avenue Underpass – Lake County FPD Umbdenstock Road Bridge Replacement – Kane County Stearns Road Corridor – Kane County Quentin Road Reconstruction (US 12 to Rte 22) – LCDOT IL Route 59 Sidewalk ARRA Improvements – Naperville Lakeview Parkway STP Improvements – Vernon Hills Petite Lake Road Realignment – Lake County Gilmer Road Underpass – Lake County FPD Quentin Road at Rand Road STP Improvements- LCDOT US 14/Arthur/Davis - Arlington Heights Reid will serve as the Project Manager, and has 17 years of experience. Mr. Magner has served as Project Manager and Engineer for numerous State, County and Municipal projects utilizing Local, Federal and MFT type funding. He has extensive experience with the design of local agency Federal-aid projects that involved functional overlay design, water main design, bicycle/pedestrian facilities design, including alternatives analysis projects. He has gained substantial experience processing projects through the IDOT Bureau of Local Roads and Streets.

Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
Petro Kravets, P.E. Project Engineer	9/9	Project Engineer: **Church Road Reconstruction – Bensenville** **Church Road TCM Improvements - Bensenville** Industrial Drive Resurfacing - Elmhurst Eagle Heights Area Reconstr. and Utility Imprv. – Elgin Finley Road Rehabilitation - Lombard 114th Street Reconstruction – Lake County Lake Zurich Road Realignment - Barrington 55th Street Improvements – DuPage County Washington Street Bikepath – Lake County Elgin Street Reconstruction Program 2014 Petite Lake Road Reconstruction – Lake County Swift Road LAFO - Addison Quentin Road Resurfacing – Lake County Washington St Reconstruction – Lake County Grand Avenue Underpass – Lake County FPD Umbdenstock Road Bridge Replacement – Kane County Stearns Road Corridor – Kane County Quentin Road Reconstruction (US 12 to Rte 22) – LCDOT Lakeview Parkway STP Improvements – Vernon Hills Petite Lake Road Realignment – Lake County Gilmer Road Underpass – Lake County FPD Quentin Road at Rand Road STP Improvements- LCDOT Petro will serve as the Project Engineer, and has 8 years of experience with the Phase II design of federally funded County and various municipal projects in the Chicagoland region. He is a very detail oriented engineer, and has demonstrated an exceptional ability to understand and thoroughly coordinate the various project elements including roadway, drainage, water mains, structures, traffic signals, lighting and right-of-way. He is experienced with geometric design as well as the preparation of the detailed P, S & E for roadway rehabilitation and reconstruction improvements, especially on federal-aid projects.

Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
Trent G. Bruns Design Engineer	3/3	Design Engineer: **Church Road Reconstruction – Bensenville** **Church Road TCM Improvements - Bensenville** Industrial Drive Resurfacing - Elmhurst Eagle Heights Area Reconstr. and Utility Imprv. – Elgin 14th Street Reconstruction – Lake County Lake Zurich Road Realignment - Barrington 55th Street Improvements – DuPage County Quentin Road Reconstruction (US 12 to Rte 22) – LCDOT Lively Boulevard Reconstruction - Elk Grove Village Biesterfield Road Resurfacing – Elk Grove Village McDermott Drive Reconstruction - Berkeley Caton Farm Road and Essington Road - Joliet Trent will serve as a Design Engineer and has been with Civiltech since 2015. He has experience through preparing construction plans, special provisions, and construction cost estimate for various municipal projects in the Chicagoland region.
Mark J. Piasecki, P.E. Project Engineer	11/11	Project Engineer: State and National Parkway Reconstruction- Schaumburg Main Street Reconstruction - Batavia 2016 Street Rehabilitation Program - Villa Park Finley Road Rehabilitation - Lombard Libertyville Street Reconstruction 2013/2014/2015 Green Tree, Red Top and Fourth Avenue Resurfacing - Libertyville Van Buren Street Reconstruction - Villa Park Thorndale Avenue at I-290 STP Improvement – DuPage County Stearns Road Corridor – Kane County Lake Street STP Improvements – Libertyville Atkinson Road Extension – Grayslake Shoe Factory Road – Hoffman Estates Mark Serves as a Phase II Project Engineer. He is experienced in local street design, municipal infrastructure design, and drainage design with various municipal projects. He also is very proficient in the design of drainage systems including the use on Pond Pack and Storm CAD drainage software packages. He completed the drainage design for the $9.0 million Stearns Roadway Corridor in Kane County and the I-290 at Thorndale Avenue STP Improvements in DuPage County.

Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
Joseph J. Emry, P.E. Traffic Signal Project Engineer	18/18	Project Engineer: Lake Cook and Weiland Road – Buffalo Grove State and National Parkway Reconstruction - Schaumburg 14th Street Reconstruction - LCDOT Woodfield Road Reconstruction - Schaumburg Lake Zurich Road Realignment - Barrington Biesterfield Road Resurfacing - Elk Grove IL Route 176 and Fairfield Road – Lake County Washington Street Reconstruction and Widening – Lake County Thorndale Avenue at I-290 STP Improvement – DuPage County Stearns Road Corridor – Kane County Deerpath Road over Mill Creek – Batavia US Route 14 Streetscape Improvements – Crystal Lake Caton Farm Road and Essington Road – Joliet Quentin Road Widening and Reconstruction (N. to Rte. 22) – Lake County Barrington Road and Schaumburg Road CMAQ Improvement - Schaumburg IL Route 83 at Pratt and Greenleaf STP Improvements – Elk Grove Village Biesterfield Road at I-290 STP Improvement – Elk Grove Village Greenwood Road at Glenview Road STP Improvement – Glenview Lakeview Parkway STP Improvements – Vernon Hills Lake Cook and Wieland Road – Buffalo Grove Wright Boulevard Reconstruction – Schaumburg Atkinson Road Extension – Grayslake Petite Lake Road Re-alignment – LCDOT IL Route 31 Western Algonquin Bypass – McHenry County DOT Essington Road and Hennepin Drive – Joliet Shoe Factory Road – Hoffman Estates Quentin Road at Rand Road STP Improvements- LCDOT US 14/Arthur/Davis - Arlington Heights Devon Ave and Arlington Heights Rd - Elk Grove Joe's experience lies exclusively in the design of traffic signals and inter-connect systems. He has experience with the design of local agency traffic signal projects and IDOT signal systems. He is responsible for overseeing all traffic signal design for Civiltech.

Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
Brian A. DeSalle, P.E., PTOE Traffic Signal / Pedestrian Signal Design Engineer	15/15	Design Engineer: State and National Parkway Reconstruction - Schaumburg 14th Street Reconstruction - LCDOT Woodfield Road Reconstruction - Schaumburg Lake Zurich Road Realignment - Barrington Biesterfield Road Resurfacing - Elk Grove IL Route 176 and Fairfield Road – Lake County Washington Street Reconstruction and Widening – Lake County Thorndale Avenue at I-290 STP Improvement – DuPage County Stearns Road Corridor – Kane County Deerpath Road over Mill Creek – Batavia US Route 14 Streetscape Improvements – Crystal Lake Caton Farm Road and Essington Road – Joliet Quentin Road Widening and Reconstruction (N. to Rte. 22) – Lake County Barrington Road and Schaumburg Road CMAQ Improvement - Schaumburg IL Route 83 at Pratt and Greenleaf STP Improvements – Elk Grove Village Biesterfield Road at I-290 STP Improvement – Elk Grove Village Greenwood Road at Glenview Road STP Improvement – Glenview Lakeview Parkway STP Improvements – Vernon Hills Lake Cook and Wieland Road – Buffalo Grove Wright Boulevard Reconstruction – Schaumburg Atkinson Road Extension – Grayslake Petite Lake Road Re-alignment – LCDOT IL Route 31 Western Algonquin Bypass – McHenry County DOT Essington Road and Hennepin Drive – Joliet Shoe Factory Road – Hoffman Estates Quentin Road at Rand Road STP Improvements- LCDOT US 14/Arthur/Davis - Arlington Heights Devon Ave and Arlington Heights Rd - Elk Grove Brian provides traffic and pedestrian signal design and interconnect design services to our design engineering teams.

Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
James R. Tibble, P.E. Project Engineer	8/8	Project Engineer: **Church Road Reconstruction - Bensenville** **Church Road TCM Improvements - Bensenville** 14th Street Reconstruction - LCDOT JFK and Elk Grove Boulevard Rehabilitation - Elk Grove Village Biesterfield Road/Oakton Street /Lively Boulevard Resurfacing - Elk Grove Village Grand Avenue Underpass – Lake County FPD Lakeview Parkway STP Improvements – Vernon Hills Lake Cook and Wieland Road – Buffalo Grove Jim serves as a Project Engineer in Civiltech's Phase I Department. He has over 5 years of experience in roadway design, pedestrian and bicycle facility design, location design studies, and traffic signal design. Jim is knowledgable in the Phase I process and is efficient in streamlining the work processes to meet budgets and provide quality work for our clients.
Madelaine Johnson, P.E. Project Engineer	8/3	Industrial Drive Resurfacing - Elmhurst State and National Parkway Reconstruction - Schaumburg
Thomas K. Liliensiek, P.E. Director of Water Resources	24/4	State and National Parkway Reconstruction - Schaumburg JFK and Elk Grove Boulevard Rehabilitation - Elk Grove Village Main Street Reconstruction - Batavia

Design Engineering

1. Consultant Evaluation Form
2. Statement of Qualifications
   a) IDOT Prequalification
   b) Summary of current Municipal Projects
   c) Qualifications of Engineers Staff

3. Statement of Qualifications Form

Resident Engineering

1. Consultant Evaluation Form
2. Statement of Qualifications
   a) IDOT Prequalification
   b) Summary of current Municipal Projects
   c) Qualifications of Engineers Staff
3. Statement of Qualifications Form

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

[1] Design Engineering

[ ] Wastewater Improvements

[ ] Stormwater Engineering

[2] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: JRV

Print Name .....: Jonathan R. Vana, P.E.

Position/Title.....: President / Director of Design Services

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: Civiltech Engineering, Inc.

Address line 1 .....: Two Pierce Place, Suite 1400

Address line 2 .....: Itasca, IL 60143

Telephone.....: 630-773-3900

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

CIVILTECH ENGINEERING, INC. 184.007826 LS/PE/SE CORPORATION ILLINOIS

By.....: KEM

Print Name .....: Kyle E. Mishler

Position/Title.....: Vice President / Director of Operations

Company Name ...: Civiltech Engineering, Inc.

Address line 1 .....: Two Pierce Place, Suite 1400

Address line 2 .....: Itasca, IL 60143

Telephone.....: 630-773-3900

Design Engineering

1. Consultant Evaluation Form

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a) IDOT Prequalification

b) Summary of current Municipal Projects

c) Qualifications of Engineers Staff

3. Statement of Qualifications Form

Resident Engineering

1. Consultant Evaluation Form

2. Statement of Qualifications

a) IDOT Prequalification

b) Summary of current Municipal Projects

c) Qualifications of Engineers Staff

3. Statement of Qualifications Form

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/20/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
Marsh Sponsored Programs a division of Marsh USA Inc. PO Box 14404 Des Moines IA 50306	PHONE (A/C, No, Ext): 800-338-1391	FAX (A/C, No): 888-621-3173
	E-MAIL ADDRESS: acecclientrequest@marsh.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Hartford Accident & Indemnity Co	22357
INSURED Civiltech Engineering, Inc. 2 Pierce Place, Suite 1400 Itasca, IL 60143	INSURER B: Hartford Insurance Co. of the Midwest	37478
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY	Y		84SBWLI9844 Prof. Liab. Excl.	11/01/2016	11/01/2017	EACH OCCURRENCE	$2,000,000
	[X] COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$2,000,000
	[ ] CLAIMS-MADE [X] OCCUR						MED EXP (Any one person)	$10,000
							PERSONAL & ADV INJURY	$2,000,000
							GENERAL AGGREGATE	$4,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$4,000,000
	[ ] POLICY [X] PRO-JECT [ ] LOC							$
A	AUTOMOBILE LIABILITY	Y		84UEGVV2743	11/01/2016	11/01/2017	COMBINED SINGLE LIMIT (Ea accident)	$1,000,000
	[X] ANY AUTO						BODILY INJURY (Per person)	$
	[ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	[ ] HIRED AUTOS [ ] NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
A	[X] UMBRELLA LIAB [X] OCCUR	Y		84SBWLI9844	11/01/2016	11/01/2017	EACH OCCURRENCE	$3,000,000
	[ ] EXCESS LIAB [ ] CLAIMS-MADE						AGGREGATE	$3,000,000
	[ ] DED [X] RETENTION $ 10,000							$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N	N/A		84WEGCB4307	11/01/2016	11/01/2017	[X] WC STATU-TORY LIMITS [ ] OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? [ ] (Mandatory in NH)						E.L. EACH ACCIDENT	$1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$1,000,000
							E.L. DISEASE - POLICY LIMIT	$1,000,000
A	Valuable Papers			84SBWLI9844	11/01/2016	11/01/2017	Limit	$225,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

[redacted] INSURED ON ABV POLICIES.

FOR VERIFICATION PURPOSES ONLY

CERTIFICATE HOLDER

[redacted]

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Bruce Vinet

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Client#: 48779 CIVILTECHENGIN

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 4/05/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Nicole Larsen	
Greyling Ins. Brokerage/EPIC 3780 Mansell Road, Suite 370 Alpharetta, GA 30022	PHONE (A/C, No, Ext): 770-552-4225	FAX (A/C, No): 866-550-4082
	E-MAIL ADDRESS: Nicole.Larsen@greyling.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Travelers Casualty & Surety Co	31194
INSURED Civiltech Engineering, Inc. Two Pierce Place, Suite 1400 Itasca, IL 60143	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER: 17-18** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	CLAIMS-MADE OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	POLICY PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$
	OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS / NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$
	DED RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N						PER STATUTE OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	N/A					E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	Professional Liability			106278045	04/10/2017	04/10/2018	Per Claim $5,000,000 Aggregate $5,000,000	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

FOR VERIFICATION PURPOSES ONLY

CERTIFICATE HOLDER	CANCELLATION
Bernardin Lochmueller & Associates, Inc. 6200 Vogel Rd. Evansville, IN 47715	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE

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LITIGATION

Instructions: List any lawsuits filed against the firm, concerning any services rendered from January 1, 2012, to the present. Include case name, case number, court in which case was heard or filed, basis of lawsuit and outcome.

1.	**Case Name**	Derek Brettman, individually and as Guardian of Gina Brettman vs. Efren Garcia d/b/a/ E.G.G. Trucking, et al.
	Case #	15 LA 76
	Court	Circuit Court of McHenry County
	Basis	Vehicle Collision
	Outcome	Pending

2.	**Case Name**	Michael Auriemma vs. The Illinois State Toll Highway Authority, et al.
	Case #	2016-L-003349
	Court	Circuit Court of Cook County
	Basis	Vehicle Collision
	Outcome	Pending

3.	**Case Name**	Jennifer Pope vs. Village of Schaumburg, et al.
	Case #	14 L 9234
	Court	Circuit Court of Cook County
	Basis	Personal Injury
	Outcome	Pending

Design Engineering

1. Consultant Evaluation Form

2. Statement of Qualifications

a) IDOT Prequalification

b) Summary of current Municipal Projects

c) Qualifications of Engineers Staff

3. Statement of Qualifications Form

Resident Engineering

1. Consultant Evaluation Form

2. Statement of Qualifications

a) IDOT Prequalification

b) Summary of current Municipal Projects

c) Qualifications of Engineers Staff

3. Statement of Qualifications Form

Resident Engineering Short-List Proposal

Village of Bensenville

STATEMENT OF QUALIFICATIONS

Since 1988, Civiltech has been committed to providing top quality consulting engineering services in Illinois. Through the years, we have earned a reputation for professional excellence and intengrity.

Civiltech specializes in a full range of civil engineering services including:

- Transportation
- Civil
- Construction
- Environmental
- Water Resources
- Structural
- Appraisal

The growth of our company is a direct result ofour employees, who are dedicated to their job by implementing the latest ehnology and pursuing professional development. We have over 90 employees devoted to transportation, which include:

- 45 registered Professional Engineers (P.E.)
- 1 registered Structural Engineer
- 7 Certified PTOEs
- 3 LEED Green Associates
- 2 Certified FloodPlain Managers (CFM)
- 1 Licensed Appraiser
- 1 Certified Survey Technician (CST Level 1)

We have offices in Itasca and Chicago.

We have established many relationships with clients in the Chicagoland area including:

- Municipalities
- State and county agencies
- Other public agencies and associations
- Private Sector

Civiltech has experience in virtually all facets of municipal improvements including:

- roadway reconstruction / resurfacings
- bike paths
- storm and sanitary sewer / watermain improvements
- bridges
- roadway lighting and traffic signal installations





Office Locations



Itasca
Two Pierce Place, Suite 1400
Itasca, IL 60143

Chicago
30 N LaSalle St, Suite 2624
Chicago, IL 60602

PROJECT APPROACH (SCOPE OF SERVICES)

We would like to further explain how Civiltech approaches a project from beginning to end in order to provide the quality service our clients have come to expect. This expanded scope clearly demonstrates how our team consistently approaches each project to produce exceptional results.

COORDINATION

Our project Team excels as liaisons between our clients and the multiple stakeholders of a project. We understand that close communication with the Village, residents, schools, churches, and other involved agencies is of the utmost importance. Our goal will be to preempt any calls to the Village regarding the project, since we would have already been in contact with the inquiring party. Civiltech will hold progress meetings every week or as often as needed, depending on the amount of project activity. The contractors will be required to provide and discuss a two week look-ahead schedule. This is an invaluable tool to keep all stakeholders informed and keep on track towards a successful completion of the projects.

COMMUNICATION / PUBLIC NOTIFICATION

Public notification and communication will be critical for this improvement. Proper notification will be accomplished with multiple forms of communication from changeable message signs along the project to informational flyers to what we consider the best communication which is face to face with the residents. The inconvenience of a reconstruction is greatly reduced when the stakeholder is working with us to determine the best solution.

CONSTRUCTION ENGINEERING SERVICES

Civiltech's team will accomplish the goal of providing the excellent Resident Engineering Services we are known for by using our typical project approach, which has brought us success on our past projects. Our project approach will be to divide the work into three phases:

- Preconstruction
- Construction
- Completion with Final Papers

Pre-construction

Plan Review - Civiltech will perform a detailed constructability review of the plans and special provisions to determine if there are any potential conflicts that could be addressed and resolved before construction, and those changes will then be incorporated into the final engineering documents. Plan quantities and the viability of the Maintenance of Traffic plans are areas we thoroughly investigate to ensure a workable project.

Field Review - We will thoroughly investigate the field conditions of the project exposing conflicts so that the proposed improvements can be constructed without them. The geometric control points will be set at this time as well. The erosion and sediment control plan will be reviewed to make certain that the proposed measures will be effective in the field, and we will confirm that the Notice of Intent has been completed and submitted to the Illinois Environmental Protection Agency.

Initial Documentation - Field books, quantity book, diary, and all other forms of proper project documentation will be set up per IDOT Documentation Standards. Existing conditions photos will be taken. Important submittals will be requested from the contractor, and they will be required to

show those submittals on their proposed schedule.

Progress Schedule Review - We will review the contractor's proposed schedule for constructability, to verify that all controlling as well as major items, are shown within the context of the staging, and whether it is reasonable as compared to our experience with production rates.



Construction

On-Site Inspection - Civiltech will perform all on-site inspection of the contractors' work and operations enforcing compliance with the plans and specifications. Any variations found will either be corrected or a sound solution will be formulated and forwarded to the Village for approval.

Layout Verification - Our resident engineer or surveyor will verify the contractors' layout staking and their interpretation of the grades. Before any material is placed, a final review will be made checking that the proposed lines and grades have been met, make sense, and all transitions are smooth.

Material Testing and Quality Assurance - It is understood that the contractor will be performing Quality Control for the materials incorporated into this project. We will provide Quality Assurance for material inspection at HMA and PCC plants with our sub-consultant Midland Standard Engineering & Testing, Inc. Reports will be completed daily. As always, any items lacking proper inspection from the contractor will be measured, but not paid.

Project Documentation - Civiltech will document all project activities daily in the diary, field books, and inspectors' daily reports with the Illinois Construction Records System (ICORS) since IDOT has trained and approved us to use it. Measurements of work completed will be documented daily, posted to the quantity book, and when possible, agreed to with the contractor.

Contract Changes - No substantial changes in contract work or quantities will be done without the prior approval of Bensenville. We will investigate the reason for any change and forward our recommendations to the Village for approval.

Pay Estimates - Pay estimates will be compiled regularly as a reasonable amount of work is completed, typically on a monthly basis. Only items that have been measured and thoroughly checked in the quantity book and IDR's will be placed on the estimates.

Erosion Control Inspection - Correct installation for all erosion and sediment control measures per the approved plan will be verified. The measures will be inspected weekly or after rain events. Incidents of Non-compliance will be documented and forwarded to the contractor for immediate repair and the IEPA. We will be adamant about the protection of sensitive areas, and maintain close contacts with representatives from the US Army Corps of Engineers.

Traffic Control Inspection - Civiltech will review the traffic control for correct installation. We will look for and enforce not only compliance with the traffic control standards, but keep an eye towards how it appears to the everyday motorists. We will keep the Village and the contractor informed of the traffic control status daily, document any deficiencies, and forward them onto the contractor for immediate action.

Completion and Final

Contractor's Punch-list - We will enlist items from all those involved with the project. Then, after our detailed inspection and the Village's full input, we will produce a final punch-list for the contractor to finish before the project will be considered complete.

Final Inspection - The final inspection for the project will be held when all items of the punch-list have been completed. We will conduct the final inspection with all interested parties present, most importantly the Village's representatives. Separate final inspections will be held when required by other agencies such as IDOT regarding the traffic signal turn on or lighting. The project's Notice of Termination will be completed and forwarded to the IEPA.

Final Documentation - All pay items will be final measured, calculated, and checked. They will be marked and posted as final on the IDR's and in the quantity book. Full backups for all ICORS documentation will be delivered. We will provide all backup documentation as well as the necessary cross referencing so the final quantities are clear and can be easily verified.

Record Drawings - The contractor's record drawings will be reviewed for accuracy and all dimensions shown will be verified. We will also provide a detailed set of "As Built" drawings for the Village's permanent records. All changes will be noted and the drawings will be reproducible.

Material Certification - We will work closely with the contractor to resolve all the material deficiencies that may still be present on the holdback reports. Any material inspection required for quality assurance will be reviewed for accuracy and completeness. We are committed to resolving all material deficiencies. However, if after we do all we possibly can to help, and the contractor still cannot provide what is needed, those deficient items will not be paid.

Project Records - Civiltech will compile all the project records in an orderly fashion. They will be labeled, arranged, and a table of contents provided for easy review. The completed set of records will be promptly submitted to the Village of Bensenville.

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

October 2, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Jonathan Vana
CIVILTECH ENGINEERING, INC.
450 E Devon Ave.
Suite 300
Itasca, IL 60143

Dear Jonathan Vana,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $33,600,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 117.34% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR CIVILTECH ENGINEERING, INC.

CATEGORY	STATUS
Hydraulic Reports - Waterways: Complex	X
Hydraulic Reports - Pump Stations	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Location Design Studies - Rehabilitation	X
Special Studies - Safety	X
Environmental Reports - Environmental Assessment	X
Special Studies - Traffic Signals	X
Special Services - Construction Inspection	X
Special Studies - Location Drainage	X
Location Design Studies - New Construction/Major Reconstruction	X
Highways - Freeways	X
Special Studies - Lighting: Typical	X
Structures - Highway: Simple	X
Structures - Highway: Typical	X
Highways - Roads and Streets	X
Special Studies - Feasibility	X
Hydraulic Reports - Waterways: Typical	X
Special Studies - Traffic Studies	X
Environmental Reports - Environmental Impact Statement	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

SIMILAR PROJECT EXPERIENCE

Civiltech has experience in virtually all facets of municipal improvements including:

- Roadway reconstruction and resurfacings
- Pedestrian and bike paths
- Bridge improvements and retaining walls
- Storm and sanitary / water main improvements
- Roadway lighting and traffic signal installations

We have administered and coordinated projects with all types of funding sources such as:

- Local
- Special Assessment
- County
- MFT
- State
- Federal, STP, CMAQ, LAFO, HBP

We maintain our project documentation as if each project was subject to an IDOT review and audit. Civiltech Engineering, Inc. is prequalified by the Illinois Department of Transportation to provide Construction Inspection Services. We have included a copy of our IDOT prequalification letter for your review.

We have highlighted our representative project experience in the project profiles tables. We have chosen these projects because they involved challenges similar to those that may be encountered on Village of Bensenville Improvements. The project profiles contain descriptions of these projects as well as contact persons who are familiar with the services we provided and our performance. We encourage the Village to contact these references in order to obtain an assessment of Civiltech's capability, adherence to project schedule and budget, and the quality of our work. We ask that you pay particular attention to the relevant experience demonstrated by the project profiles, and also note that the staff targeted for this proposal has directly participated in those projects listed.

Specifically, we would like to highlight the following projects. This is a partial list of improvements for which Civiltech provided our exceptional Resident Engineering services on since 2012:

- **Downtown Area Improvements - North Half;** Village of Bensenville
- **Foster Avenue Resurfacing - IL Route 83 to York Road;** Village of Bensenville
- **North Industrial Park SSA, Streambank, Utility and Roadway Improvement;** Village of Bensenville
- **Deerpath Road at Mill Creek;** City of Batavia
- **Damen / Elston / Fullerton Realignment and Reconstruction;** Chicago Department of Transportation
- **Elgin O'Hare Western Access (EOWA) - Devon Avenue Bridge over I-290;** Illinois Tollway
- **2014 Street Reconstruction Program ;** City of Elgin
- **Biesterfield Road Resurfacing Improvement ;** Village of Elk Grove Village
- **US Route 14 - Arthur/Davis;** Village of Arlington Heights
- **Hawthorne Reconstruction;** Village of Glen Ellyn

Civiltech kept all concerned stakeholders well informed through our commitment to coordination thus bringing these projects to successful completions.

Project / Client	**Downtown Area Improvements - North Half** Village of Bensenville
Scope of Work / (Contractor) / Client POC 	• Full depth bituminous pavement • Staged traffic control • Decorative & stained concrete sidewalk • New curb & gutter • Landscaped planters • Traffic signals • ADA ramp installations Civiltech provided the following engineering services: • Resident Engineering • Construction Documentation • QC/QA Material Testing • Construction Inspection • Construction Layout • Construction Management Phase III Engineering **Funding:** Local **Contractor:** R.W. Dunteman Co. **POC:** Mehul Patel /Asst. Director of Public Works / 630.594.1196
Project Team	• James D. Ewers, P.E. - Project Manager • Joseph C. Kozial, P.E. - Resident Engineer • Samuel C. Moscatello - Surveyor
Construction Cost / Fee / Year	$1.5 million / $149,729 / 2017

Project / Client	**Foster Avenue Resurfacing - IL Route 83 to York Road** Village of Bensenville
Scope of Work / (Contractor) / Client POC	Patching and bituminous resurfacing for 1.0 mile of industrial park roadway, including: • Curb and gutter repair • Bituminous patching • Staged traffic • ADA ramp installation Civiltech provided the following engineering services: • Resident Engineering • Construction Documentation • QC/QA Material Testing • Construction Inspection • Construction Layout • Construction Management Phase III Engineering **Funding:** Federal, LAFO **Contractor:** K-Five Construction, Inc. **POC:** Mehul Patel /Asst. Director of Public Works / 630.594.1196
Project Team	• James D. Ewers, P.E. - Project Manager • David M. Bugaj - Resident Engineer • Samuel C. Moscatello - Surveyor
Construction Cost / Fee / Year	$560,000 / $73,838 / 2015

Project / Client	**North Industrial Park SSA, Streambank, Utility and Roadway Improvement** Village of Bensenville
Scope of Work / (Contractor) / Client POC 	Full depth concrete reconstruction of multiple streets through the industrial park with heavy truck traffic, including: • Over 2.5 miles of reconstructed concrete roadway • New curb & gutter • Over 2,000 feet of 84 inch sewer installation • Watermain with services • Staged traffic • 2 miles of streambank stabilization with gabion baskets and special plantings Civiltech provided the following engineering services: • Resident Engineering • Construction Documentation • QC/QA Material Testing • Construction Inspection • Construction Layout • Construction Management Phase III Engineering **Funding:** Local, Special Service Area Assessment **Contractor**: ALamp Construction Co / John Neri Construction JV **POC:** Joseph Caracci, P.E. / Director of Public Works / Village of Bensenville / 630.350.3431
Project Team	• James D. Ewers, P.E. - Project Manager • David M. Bugaj - Senior Resident Engineer • Joseph C. Kozial, P.E. - Senior Resident Engineer • Phillip J. Hurst, P.E. - Documentation Engineer • Surveyor
Construction Cost / Fee / Year	$10.8 million / $855,434 / 2011, 2012

Project / Client	**Deerpath Road at Mill Creek** City of Batavia
Scope of Work / (Contractor) / Client POC 	Bridge deck slab replacement over Mill Creek in the City of Batavia to restore the connection between a neighborhood and an arterial roadway, including: • Deck slab removal and replacement on top of widened piers and abutments • Spread footings installed for the widened substructure within cofferdam protection • New sidewalk on one side of the bridge and new bike path on the other side • Continued communication / coordination with adjacent school and church • In stream work with bypass pumping and clean fill work areas to limit erosion • Detention pond excavated to slow water from drainage system back into the creek • Roadway reconstruction on either side of bridge crossing using full depth asphalt pavement Civiltech provided the following engineering services: • Resident Engineering • Construction Documentation • Coordination and Public Involvement • Interagency Coordination • QC/QA Material Testing Phase I, II and III Engineering **Funding:** Local, HBP, Federal **Contractor:** D Construction **POC:** Mr. Rahat Bari, P.E. / City Engineer / 630.454.2750
Project Team	• James D. Ewers, P.E. - Project Manager • Hugh Gilgunn, P.E. - Resident Engineer • Samuel C. Moscatello - Surveyor
Construction Cost / Fee / Year	$1.6 million / $206,657 / 2016 (Phase III)

Project / Client	**Damen / Elston / Fullerton Realignment and Reconstruction** Chicago Department of Transportation
Scope of Work / (Contractor) / Client POC 	Major six corner intersection in Chicago realigned with a new section of roadway to separate the congested area, including: • Building removal on newly acquired ROW • Hundreds of feet of new sewer installed among a myriad of utilities that exists under City streets • Careful sewer connections into existing (100 year old) 60 inch mainline brick sewers • Remediation of found underground storage tanks • Coordination with all the residents and businesses who are intimately involved with the project due to the close proximity and limited space in this section of the City • New alignment of Elston Avenue with full depth concrete pavement • New curb & gutter with sidewalks throughout the three major roadway legs of the intersection • New interconnected traffic signals and LED street lighting Civiltech provided the following engineering services: • Resident Engineering • Construction Inspection • Construction Management • Construction Layout • Construction Documentation • Coordination and Public Involvement • Interagency Coordination • QC/QA Material Testing Phase III Engineering **Funding:** Federal, Local **Contractor:** RW Dunteman **POC:** Conan Chan, P.E. / Project Manager, Division of Engineering / 312.742.8022
Project Team	• James D. Ewers, P.E. - Project Manager • Brent E. Giesen, P.E. - Resident Engineer • Jason M. May, P.E. - Assistant Resident Engineer/Doc Engineer • Jeffrey T. Schroeder, P.E. - Inspector • Gregory J. Hatlestad, P.E., S.E. - Structural Engineer
Construction Cost / Fee / Year	$18.0 million / $1,418,305 /2015, 2016, 2017

Project / Client	**Elgin O'Hare Western Access (EOWA) - Devon Avenue Bridge over I-290** Illinois Tollway
Scope of Work / (Contractor) / Client POC 	Full bridge over expressway reconstruction to provide more room for additional lanes on the highway below as it approaches the new interchange with the Elgin-O'Hare Tollway, including: • Expressway traffic control and staging requiring intense coordination and night work • Complete removal of existing bridge including substructure and foundations • New abutments and piers founded on driven piles • Coordination with multiple agencies since the deck belongs to Cook County, the sidewalk and walls to Elk Grove Village, and I-290 below to IDOT • Decorative stained walls and railing truly make this bridge outstanding Civiltech provided the following engineering services: • Resident Engineering • Construction Inspection • Construction Management • Construction Layout • Bridge Construction Inspection • Construction Documentation • Coordination and Public Involvement • Interagency Coordination • QC/QA Material Testing Phase III Engineering **Funding:** Tollway **Contractor:** Lorig Construction **POC:** Laura Niemeyer / Assistant Project Manager / 331.481.3070
Project Team	• James D. Ewers, P.E. - Project Manager • Joseph C. Kozial, P.E. - Resident Engineer • Clifton V. Ganek - Assistant Resident Engineer/Doc Engineer • Arthur F. Politowicz, P.G. - Materials Coordinator • John M. Kerivan - Inspector • Gregory J. Hatlestad, P.E., S.E. - Structural Engineer
Construction Cost / Fee / Year	$9.3 million / $1,799,750 / 2014

Project / Client	**2014 Street Reconstruction Program** City of Elgin
Scope of Work / (Contractor) / Client POC 	Full reconstruction of seven residential street in the City of Elgin for over 9,800 feet, including: • Two separate contracts: the first to install new watermain, and the next for the new roadway • Upsized over 2,000 feet of old watermain throughout this neighborhood • Full depth bituminous street reconstruction for all of new pavement • New curb & gutter, sidewalk repairs, and driveway replacement • Traffic control and special weekend work to accommodate an adjacent industrial park • Storm sewer installed where needed to eliminate drainage issues • Residents were constantly updated on where to travel safely around the work Civiltech provided the following engineering services: • Construction Engineering • Construction Documentation • Construction Layout • QC/QA Material Testing Phase II and III Engineering **Funding:** Local **Contractor:** J. Congdon Sewer & Orange Crush Paving **POC:** Mr. Joseph Evers, P.E. / City Engineer / 847.931.5955
Project Team	• James D. Ewers, P.E. - Project Manager • Brent E. Giesen, P.E. - Resident Engineer • Jason M. May, P.E. - Assistant Resident Engineer
Construction Cost / Fee / Year	$3.2 million / $345,203 / 2014 (Phase III)

Project / Client	**Biesterfield Road Resurfacing Improvement** Village of Elk Grove Village
Scope of Work / (Contractor) / Client POC	Bituminous resurfacing through 1.0 miles of heavily travelled residential and business area with a major hospital, schools and churches, including: • Curb & gutter repair • Pavement patching • ADA ramp installation • Staged traffic • Required weekend work to avoid hospital backups Civiltech provided the following engineering services: • Resident Engineering • Construction Documentation • QC/QA Material Testing • Construction Inspection • Construction Layout • Construction Management Phase II and III Engineering **Funding:** Local **Contractor:** J.A. Johnson Paving **POC:** Mr. Brian Lovering, P.E. /Senior Engineer / 847.734.8077
Project Team	• James D. Ewers, P.E. - Project Manager • Arthur F. Politowicz - Resident Engineer • Surveyor
Construction Cost / Fee / Year	$900,000 / $115,829 / 2013 (Phase III)

Project / Client	**US Route 14 - Arthur/Davis** Village of Arlington Heights
Scope of Work / (Contractor) / Client POC	Widening of US 14 and reconstruction of Arthur & Davis with an increase at grade railroad crossing, including: • 1.0 miles of patching and structural resurfacing • 0.5 miles of full depth bituminous reconstruction • New storm sewer • Block retaining walls to solve steep driveway issues • Coordination with the Railroad for flaggers and their installation of all new RR signals • Staged traffic control • New traffic signals Civiltech provided the following engineering services: • Resident Engineering • Construction Documentation • QC/QA Material Testing • Construction Inspection • Construction Layout • Construction Management Phase I, II and III Engineering **Funding:** Federal **Contractor:** Arrow Road / Martam **POC:** Mr. Michael Pagones, P.E. / Village of Arlington Heights / 847.253.2340
Project Team	• James D. Ewers, P.E. - Project Manager • John P. Vogelman - Resident Engineer • Surveyor
Construction Cost / Fee / Year	$3.5 million / $472,243 / 2013

Project / Client	**Hawthorne Reconstruction** Village of Glen Ellyn
Scope of Work / (Contractor) / Client POC 	One mile of concrete pavement on residential connector road between two schools, including: • Aggressive schedule to meet the dates of both school opening / events • New watermain and services • New storm sewer and sanitary sewer with lining as well • Driveways and sidewalk • Intense coordination with all involved stakeholders • Winner of APWA Award for best improvement under $5 million Civiltech provided the following engineering services: • Resident Engineering • Construction Inspection • Construction Management • Construction Layout • Interagency Coordination • QC/QA Material Testing Phase III Engineering **Funding:** Local **Contractor:** R.W. Dunteman & Co. **POC:** Mr. Robert Minix, P.E. / Project Coordinator / Village of Glen Ellyn / 630.464.6756
Project Team	• James D. Ewers, P.E. - Project Manager • David M. Bugaj - Resident Engineer • Brent E. Giesen, P.E. - Asst. Resident Engineer • Jason M. May - Field Engineer • Surveyor
Construction Cost / Fee / Year	$3.5 million / $398,625 / 2012

PROJECT TEAM

Civiltech has one of the largest Resident Engineering departments serving the metropolitan area. We have over twenty experienced Resident Engineers on staff. We have carefully selected from our team, the members that would best fit the improvements planned for the Village of Bensenville. These individual RE's have the most experience in items that will be found on your projects such as:

- residential resurfacings and reconstructions
- industrial park roadway rehabilitations
- watermain installation
- storm and sanitary sewer
- roadway lighting and traffic signals
- bike and pedestrian paths
- bridges
- utility coordination / relocation

We have chosen to present the following six Resident Engineers who will be able to provide the outstanding engineering services you have come to expect from us. Whether the improvements are large or small, we have provided a good mix of individuals to fully cover all your inspection requirements. Our abilities to successfully complete projects on time and on budget as a company lie in the experience and capabilities of our staff.

Please note when reviewing our team, the number of years each has served with Civiltech. The stability of our staff is one of our greatest assets. As always, all of our employees remain accessible to the Village's staff for discussion about project questions or concerns.

In all cases James D. Ewers, P.E. will serve as Project Manager for the construction phase of a project. The Resident Engineer reports directly to Mr. Ewers. He will ensure the quality of Civiltech's services and maintain the business relationship with the Village that has been so successful over the years.

We have included the names and experience of our Resident Engineers in the requested table format below. Depending on the type, scope, and timing of the Village projects, we will propose one of these team members to serve as Resident Engineer. We have also presented our experienced surveyor who will be available as needed for the Village of Bensenville. Our Resident Engineers, Survey Crew, and Project Manager are supplied with push to talk telephones / smart phones which allow them to respond promptly to the needs of the project.

We will do our best to match the level of experience required for a particular project with that of the staff members listed below. The teams will vary per the type of work included in a project. Please note in the experience section listed for each individual team member, the type of work for which they are best suited. We have placed work items in bold face to identify what type of project they have particular expertise.

Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
James D. Ewers, P.E. Director of Construction Engineering Services	28/13	Jim has previous experience at IDOT District One as both Construction Supervisor and Local Agency Construction Supervisor where he was responsible for all District One Federal Aid projects. His experience in managing projects similar to those in Bensenville is extensive and he has proven abilities in coordinating multiple agencies, businesses, property owners, and legislative representatives to the common goal of a successful project. **Downtown Area Improvements - North Half / Village of Bensenville / 2017** Damen/Elston/Fullerton Realignment and Reconstruction / CDOT / 2015-2017 Hill Ave over East Branch DuPage River / Village of Lombard / 2016 Deerpath Road at Mill Creek / City of Batavia / 2016 **Foster Avenue Resurfacing Improvement / Village of Bensenville / 2015** Jericho Road over Blackberry Creek Bridge Replacement / Kane County / 2015 2015 Street Reconstruction Program / Village of Libertyville / 2015 Elgin O'Hare Western Access (EOWA) - Advance Work Contracts / Illinois Tollway / 2014 & 2015 Lombard Meadows – Phase I and II / Village of Lombard / 2014 Elgin O'Hare Western Access (EOWA) - Devon Avenue Bridge over I-290 /Illinois Tollway/ 2014 2014 Street Reconstruction Program / City of Elgin / 2014 **North Industrial Park SSA 9 Reconstruction / Village of Bensenville / 2013-2014** South Street Trail Randall Road Underpass / Kane County / 2013 Walnut Lane Reconstruction / Village of Schaumburg / 2013 Walnut Lane Culvert Replacement; Village of Schaumburg / 2012 IL Route 31 at Virginia Road and Klasen Road / McHenry County / 2012 Golf Road Lighting Improvement; Village of Schaumburg / 2012 Braeside Drainage Improvements / Village of Glen Ellyn / 2012 **North Industrial Park Region Reconstruction / Village of Bensenville / 2011 & 2013**

Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
David M. Bugaj Resident Engineer	27/18	Dave has administered numerous municipal projects as Resident Engineer since joining Civiltech. These projects include **concrete and bituminous reconstruction, resurfacing, sewer, watermain, curb & gutter** and **tree protection.** Dave has continuously earned Civiltech repeat business in the Village of Glen Ellyn and Bensenville. Eagle Heights Neighborhood Street Rehabilitation / City of Elgin / 2016 **Foster Avenue Resurfacing Improvement / Village of Bensenville / 2015** Biesterfield Road and Gibson Drive Rehabilitation / Elk Grove Village / 2015 Chidester-Elm-Lenox-Linden (CELL) Improvements / Village of Glen Ellyn / 2014 **North Industrial Park SSA 9 Reconstruction / Village of Bensenville / 2013-4** Hawthorne Reconstruction Improvements Project / Village of Glen Ellyn / 2012 Braeside Drainage Improvements / Village of Glen Ellyn / 2012 Braeside Neighborhood Lighting Improvements /Village of Glen Ellyn / 2011 Sunset/Turner Reconstruction / Glen Ellyn / 2011 **North Industrial Park Region Reconstruction / Bensenville / 2011 & 2013**
Joseph C. Kozial, P.E. Resident Engineer	15/15	Since Joe began full-time in 2002, he has served as Resident Engineer and Assistant Resident Engineer on various improvements. Municipal experience includes an IDOT/Federal-aid project in Elk Grove Village, Kane and DuPage Counties. Project experience includes **concrete base, resurfacing, sewer, pipe jacking, bituminous reconstruction, complex bridges and flyovers, major earthwork** and **traffic signals.** Joe's dedicated service and earned expertise has led him to be Resident Engineer over our larger/complex projects. **Downtown Area Improvements - North Half / Village of Bensenville / 2017** EOWA Wood Dale Brige over I-390 Mainline / Illinois Tollway / 2015-6 EOWA Devon Ave Bridge over I-290 / Illinois Tollway / 2014-5 East Branch DuPage River Greenway Trail along Swift Road / DuPage County / 2013 South Street Trail Randall Road Underpass / Kane County / 2012 North Industrial Park Region Reconstruction / Bensenville / 2011 and 2013 I-290/IL 53 Roadway and Bridge Rehabilitation / IDOT / 2011

Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
Donald J. Marek Resident Engineer	43/28	Don has served as Resident Engineer on numerous municipal projects. IDOT/Federal-aid project experience includes **concrete and bituminous reconstructions, bike paths, sewer installation, bridges, traffic signals** and **lighting**. Caton Farm Rd at Essington Rd Intersection Improvement / City of Joliet / 2016 Haligus/Faith's Way/Reed /Algonquin Improvements / Hammes Co. / 2015 Dundee Road Lighting from Northgate to US 45/IL 21 / Village of Wheeling / 2015 Caton Farm Road from County Line Rd to Drauden Rd / Will County / 2013 Beisner Road Reconstruction Improvement /Elk Grove / 2012 City Construction Engineering, Chicago Aldermanic Menu Program; CDOT / 2012 Wellington Avenue Reconstruction / Elk Grove / 2011 Biesterfield @ I-290 Ramp Widening / Elk Grove / 2011
Arthur F. Politowicz, P.G. Resident Engineer	28/20	Since employment with Civiltech, Art has served as Resident Engineer and Assistant Resident Engineer on various roadway improvements. Those projects contained **bituminous and concrete reconstructions, sewer with jacking, watermain, traffic signals** and **lighting**. Municipal experience includes IDOT/Federal-aid projects in Bensenville, Bloomingdale, Lombard and multiple projects in Elk Grove Village. Art worked at a material testing firm for many years prior to joining Civiltech. Arthur Avenue Culvert and Reconstruction / Elk Grove Village / 2016 Lively Blvd. from Devon to Thorndale /Elk Grove Village / 2015 2014 Street Resurfacing / City of Aurora / 2014 US 30 Briarcliff to US 34 / IDOT / 2013-4 Biesterfield Road Resurfacing Improvement / Elk Grove / 2013 Meacham Road and Rohlwing Road Lighting Improvement / Elk Grove Village / 2012 NATO Street Closure Permit Plan / CDOT / 2012 Busse Road at Pratt Boulevard Intersection Reconstruction / Elk Grove Village / 2011 Busse Road at Greenleaf Avenue Intersection Reconstruction / Elk Grove Village / 2011

Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
Brent E. Giesen, P.E. Resident Engineer	15/15	Brent's work includes numerous IDOT, municipal and private improvements. He is experienced in **bituminous reconstruction, complex bridges, lighting, watermain, sanitary, sewer, and surveying/ construction stalking.** Damen/Elston/Fullerton Realignment and Reconstruction / CDOT / 2016-2017 2014 Neighborhood Street Reconstruction / City of Elgin / 2014 US 30 Briarcliff to US 34 / IDOT / 2013-4 Hawthorne Reconstruction Improvements Project / Glen Ellyn / 2012 City Construction Engineering, Chicago Aldermanic Menu Program; CDOT / 2012 Sunset/Turner Reconstruction / Glen Ellyn / 2011 Braeside Lighting / Glen Ellyn / 2011
Hugh Gilgunn, P.E. Resident Engineer	20/13	Mr. Gilgunn has been with Civiltech Engineering since 2004 after spending the prior seven years at Schleede-Hampton & Associates performing soils and construction material testing. He has been the Resident Engineer or Assistant Resident Engineer/ Materials Coordinator on many **watermain and storm sewer** driven projects along with **major reconstructions and bridge work projects** while with Civiltech Engineering. McDermott Drive from Taft to Wolf / Village of Berkeley /2016 Deerpath Road Bridge from Saupp to Main / City of Batavia / 2016 Jericho Road Bridge over Blackberry Creek / Kane County / 2015 Elgin O'Hare Western Access, I-290 to IL 83 Advance Work Contracts / Illinois Tollway / 2014-5 Woodland Drive over Flint Creek Bridge Replacement / Village of Lake Barrington / 2013 Fairfield Rd. at IL Route 176 Intersection Improvement / Lake County / 2012 Southwest Highway over B&O Railroad Bridge Reconstruction / IDOT /2010-1

Name, Registration / Title	Years of Exp / Years with Firm	IDOT / Municipal Project Experience
Samuel C. Moscatello Surveyor	12/2	Mr. Moscatello joined the Civiltech team in November 2015. He has over 11 years of experience in the engineering and surveying industry. Prior to joining Civiltech, Mr. Moscatello worked for Jacob & Hefner Associates as a **survey crew chief**. During his time in the industry, Mr. Moscatello performed design topo and construction layout for a wide variety of projects. Damen/Elston/Fullerton Realignment & Reconstruction / CDOT / 2015-2017 US 6 (159th St.) Will-Cook Road / IDOT / 2015-6 Elgin O'Hare Western Access Wood Dale Bridge / Illinois Tollway / 2015-6 Elgin O'Hare Western Access Advanced Work / Illinois Tollway / 2015

PROJECT STAFFING AND FEE STRUCTURE

Civiltech is dedicated to the philosophy of staffing projects with qualified individuals necessary to successfully complete projects at a reasonable cost to the Village. Typically the only full time person on a project would be the Resident Engineer. Depending on the size and scope of the improvement, they may be assisted by an intern or technician. Layout is performed by our surveyor who is only assigned to the project when her services are necessary. Our Project Manager, Jim Ewers, makes periodic visits to the jobsite to ensure proper staffing, answer questions of the Resident Engineer or Village staff, and attend weekly project meetings or special meetings as required.

We base compensation for our work upon actual labor dollars expended times a billing factor of 2.70 to cover actual payroll, overhead and indirect costs, payroll burden and fringe benefit costs with profit. Direct costs such as printing, vehicle expenses ($55.00/day) and subconsultant costs will be billed at their actual cost.

Our past record on projects similar to those required by the Village show that we not only make every effort to meet the client's project objectives, but do so within the schedule and budget. We have provided references earlier in our proposal and again suggest the Village contact those references to verify that Civiltech makes every effort to perform the work within the agreed maximum fee. Our workload is such that we can commit the key personnel and support staff needed for these projects in order to meet the proposed schedule. Furthermore, we are confident that our team can provide the best combination of talent and professional expertise that would be required for these projects.

In preparing a specific project proposal, we first prepare an anticipated construction schedule based on our experience with previous improvements. We have found that using an anticipated contractor's schedule is an extremely valuable tool for viewing the project as it should unfold and estimating the time required to provide the proper level of inspection and documentation. We are able to more effectively estimate the number of staff required to perform construction engineering using this type of schedule. The quantities from the plans are consolidated into major items that are shown through the duration of the project.

This schedule would then serve as the basis for our construction staffing and calculation of the estimated hours needed. After we compute the total cost, we compare the fee to similar projects we have previously performed and to the estimated construction cost. If the fee does not seem reasonable, we revisit the construction schedule and the construction cost to see if they too make sense. If the engineering cost seems inconsistent with the construction cost, we would request a meeting with the Village staff to discuss the inconsistency.

It is always our intention to successfully complete a project on time and within the proposed not-to-exceed amount. To this end, we complete a project budget sheet each month at the time of invoicing. We compare the amount of work which remains to the number of man-hours and fee remaining in our contract. This information is given to our resident engineer promptly so he is aware of the project status. If requested, this will also be provided to Village staff on a monthly or as-needed basis. We will never overstaff a project to maximize our fee but rather feel a sense of success in providing a completed project in less the negotiated contract cost.

Civiltech has had the good fortune of serving the Village of Bensenville for many years. Our goal is to earn the right to be part of the Bensenville Resident Engineering Team for many more years to come. We have earned that goal, which is our highest compliment, from many or our nearby client / partners. Those clients showed us through their repeated selection of Civiltech to provide our exceptional Resident Engineering services. We hope you will give us the opportunity to prove again to Bensenville how excellent every step of our engineering services are, so we can continue to be included as a repeat partner with you.

We greatly appreciate the number of opportunities that we have had to serve the Village of Bensenville in the past and the business relationships we have been able to develop over the years. We look forward to being of service to the Village for many years to come and will make every effort to instill the confidence that is necessary for the Village to want us to continue as your partner.

Design Engineering

1. Consultant Evaluation Form

2. Statement of Qualifications

a) IDOT Prequalification

b) Summary of current Municipal Projects

c) Qualifications of Engineers Staff

3. Statement of Qualifications Form

Resident Engineering

1. Consultant Evaluation Form

2. Statement of Qualifications

a) IDOT Prequalification

b) Summary of current Municipal Projects

c) Qualifications of Engineers Staff

3. Statement of Qualifications Form

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

[1] Design Engineering

[ ] Wastewater Improvements

[ ] Stormwater Engineering

[2] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: JRV

Print Name .....: Jonathan R. Vana, P.E.

Position/Title.....: President / Director of Design Services

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: Civiltech Engineering, Inc.

Address line 1 .....: Two Pierce Place, Suite 1400

Address line 2 .....: Itasca, IL 60143

Telephone.....: 630-773-3900

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

CIVILTECH ENGINEERING, INC. 184.007826 LS/PE/SE CORPORATION ILLINOIS

By.....: KEM

Print Name .....: Kyle E. Mishler

Position/Title.....: Vice President / Director of Operations

Company Name ...: Civiltech Engineering, Inc.

Address line 1 .....: Two Pierce Place, Suite 1400

Address line 2 .....: Itasca, IL 60143

Telephone.....: 630-773-3900


CIVILTECH

STATEMENT OF QUALIFICATIONS



Short-Lists for Civil Engineering Services

Village of Bensenville, IL

October 19, 2017

ClarkDietz

Engineering Quality of Life®

Clark Dietz

Engineering Quality of Life®

October 19, 2017

Joseph Caracci, PE
Director of Public Works
Village of Bensenville
717 E Jefferson Street
Bensenville, Illinois 60106

Re: Qualifications for Civil Engineering Services Short-lists

Dear Mr. Caracci:

Clark Dietz is willing and able to assist the Village in managing and improving your infrastructure as part of this qualifications request to shortlist for various public works improvement projects within the next three years. We have worked with Chicago area municipalities for over 30 years to proactively plan infrastructure necessary to support their growth and economic development. We bring the experience, capabilities and skills needed for those projects when Village staff is focused on other workload or specialized technical assistance is needed.

The Clark Dietz Project Team is poised to turn any project ranging from design, stormwater and resident engineering, and wastewater related improvements into reality. We have already initiated basic information gathering on potential projects to gain insight. Based on that knowledge, we have crafted a Team that has **strong leadership**, a Team with **wide-ranging capabilities,** a Team with **demonstrated Project Management skills** and a Team with the **commitment to serve** the Village.

- **Strong Leadership** - The Clark Dietz Principal-in-Charge is Stacie Dovalovsky, PE, along with the discipline leaders for the specific engineering services. Stacie will lead the project teams with professional and technical expertise, and with the authority to dedicate local and state resources to complete work tasks. She will also oversee contract administration. The project discipline leaders will bring the specialized technical expertise, regulatory knowledge, and understanding of funding sources to managing the specific projects in order to guide them seamlessly to completion.

- **Wide-ranging Capabilities** – The project team will execute and deliver the multi-disciplinary nature of projects under this contract on time and within budget. The benefits to the Village will be a single point of service for basic planning, design, and construction engineering needs, supplemented with an ability to provide in-house mechanical, electrical and structural engineering.

- **Demonstrated Project Management Skills –** Clark Dietz is very familiar with the execution of project specific type contracts. We currently work under similar contracts in Villa Park, Harwood Heights and Richton Park. Our strong project management process will ensure properly staffed projects with appropriate resources and technical skills to provide high quality, timely and cost-

effective solutions. We manage projects (timelines, budgets, deliverables and contingencies) and track progress to assure quality on all deliverables.

- **Commitment of Service to Bensenville -** Clark Dietz has ample resources to assist the Village in completing engineering for capital improvements. We will work closely with the Village to move projects forward and keep on schedule while minimizing impacts to residents and local traffic. Our focus will be on you, the Village.

Clark Dietz has developed an excellent working relationship with District 1 and has achieved more than ten Design Approvals for area projects of varying sizes and funding types over the last five years.

An important aspect of municipal projects and budgets is grant funding. Grant funding for projects in capital improvement plans (CIP's) allows municipalities to augment their CIP's or accomplish larger portions of planned projects. We have familiarity with programs including the Illinois Transportation Alternatives Program (ITEP), Regional Transportation Authority (RTA) Access to Transit program, Chicago Metropolitan Agency for Planning's Congestion Mitigation and Air Quality Improvement Program (CMAQ), and the IDOT Safe Routes to School Program. We have been very successful in obtaining grant funds for our municipal clients. Ted Sianis is our company's distinguished grant writer having obtained over $1 million dollars of grant funding for our clients in 2017. He has been successful in obtaining grant funds through the RTA, CMAQ, Safe Routes to School, and STP programs. Clark Dietz and a municipal client were recently awarded grant funds from the "Invest in Cook" program to complete a similar Phase I engineering design to extend a local municipal shared use path across a railroad connecting to a 22 mile long regional bike trail.

Clark Dietz asks for the opportunity to work with the Village to make these projects reality. We are very interested in working with the Bensenville and look forward to exceeding your expectations if selected. The proposal contact is Jennifer Barlas, 977 N Oaklawn Avenue, Elmhurst, IL 60126.

Sincerely,

Stacie L Dovalovsky

Stacie Dovalovsky, PE, *Vice President*
312.466.8217

Jennifer Barlas

Jennifer Barlas, *Business Development*
630.607.1505



CONTENTS

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3	Resident Engineering	14 - 17
4	Wastewater Improvements	18 - 20
5	Stormwater Improvements	21 - 23

Jennifer Barlas / Clark Dietz, Inc. / 977 N. Oaklawn Avenue Suite 106
Elmhurst, IL 61820 / 630.607.1505 / jennifer.barlas@clarkdietz.com

Section 1

Forms / IDOT Prequal / References

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

Clark Dietz, Inc. has been involved with litigious cases and has been able to attain a settlement in all cases. We presently have no outstanding litigious cases.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 04/21/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER 1-800-527-9049 Holmes Murphy and Associates - Peoria 311 S.W. Water Street Suite 211 Peoria, IL 61602-4108	**CONTACT NAME:** Traci Stoecker **PHONE (A/C, No, Ext):** 800-527-9049 **FAX (A/C, No):** **E-MAIL ADDRESS:** tstoecker@holmesmurphy.com
INSURED Clark Dietz, Inc. Clark Dietz Enterprises, Inc. 125 West Church Street Champaign, IL 61820	**INSURER(S) AFFORDING COVERAGE** — **NAIC #** **INSURER A :** TRAVELERS IND CO OF AMER — 25666 **INSURER B :** TRAVELERS IND CO — 25658 **INSURER C :** FARMINGTON CAS CO — 41483 **INSURER D :** XL SPECIALTY INS CO — 37885 **INSURER E :** **INSURER F :**

COVERAGES **CERTIFICATE NUMBER:** 49664245 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [X] LOC [ ] OTHER:			6806H830394	11/01/16	11/01/17	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG 	$ 1,000,000 $ 1,000,000 $ 10,000 $ 1,000,000 $ 2,000,000 $ 2,000,000 $
A	AUTOMOBILE LIABILITY X ANY AUTO [ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS 			BA5974L734	11/01/16	11/01/17	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) 	$ 1,000,000 $ $ $ $
B	X UMBRELLA LIAB X OCCUR [ ] EXCESS LIAB [ ] CLAIMS-MADE [ ] DED X RETENTION $ 10,000			CUP7600Y198	11/01/16	11/01/17	EACH OCCURRENCE AGGREGATE 	$ 5,000,000 $ 5,000,000 $
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N: N (N/A) (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			UB7598Y555	11/01/16	11/01/17	X PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
D	Professional Liability (Claims Made)			DPR9911656	03/01/17	03/01/18	Each Claim Aggregate	5,000,000 5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Proposal Purposes Only

,

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STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [1] Design Engineering
- [3] Wastewater Improvements
- [4] Stormwater Engineering
- [2] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

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My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: _____

Print Name .....: Allen J. Staron

Position/Title.....: Sr. Vice President / Corporate Secretary

Company Name ...: Clark Dietz, Inc.

Address line 1 .....: 977 N. Oaklawn Avenue, Suite 106

Address line 2 .....: Elmhurst, IL 60126-1023

Telephone.....: 630.413.4130

SEFC PREQUALIFICATIONS FOR CLARK DIETZ, INC.

CATEGORY	STATUS
Highways - Roads and Streets	X
Environmental Reports - Environmental Assessment	X
Structures - Highway: Simple	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Special Studies - Feasibility	X
Location Design Studies - Rehabilitation	X
Highways - Freeways	X
Location Design Studies - New Construction/Major Reconstruction	X
Hydraulic Reports - Waterways: Typical	X
Special Services - Construction Inspection	X
Structures - Highway: Typical	X
Special Services - Surveying	X
Hydraulic Reports - Waterways: Complex	X
Special Studies - Traffic Studies	X
Special Studies - Traffic Signals	X
Special Studies - Location Drainage	X
Special Studies - Safety	X
Hydraulic Reports - Pump Stations	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

REFERENCES

Regan Stockstell Village Manager Village of Richton Park 4455 Sauk Trail Richton Park, IL 60471 (708) 481-8950 rstockstell@richtonpark.org	Barbara Little, PE Director of Public Works Village of Deerfield 850 Waukegan Road Deerfield, IL 60015 (847) 719.7461 blittle@deerfield-il.org	Arlene Jezierny Mayor Village of Harwood Heights 7300 W. Wilson Avenue Harwood Heights, IL 60706 (708) 867-7200 jeziernya@harwoodheights.org
Howard Killian, PE Director of Public Works City of Elmhurst 209 N. York Street Elmhurst, IL 60126 (630) 530-3041 howard.killian@elmhurst.org	Vydas Juskelis, PE Director of Public Works Village of Villa Park 20 S. Ardmore Avenue Villa Park, IL 60181 (630) 834-8505 juskelis@invillapark.com	Scott Drabicki, PE, CFM Village Engineer Village of Gurnee 325 N. O'Plaine Road Gurnee, IL 60031 (847) 599-7582 scottd@village.gurnee.il.us

TESTIMONIALS

"Clark Dietz provided hydraulic analysis, engineering design, preparation of bidding documents, and construction inspection for stormwater drainage improvements in our Farm Trace subdivision. Construction of the project was completed on time, under the engineers cost estimate, and has alleviated the flooding. The Village is pleased with the outstanding work of Clark Dietz, Inc."

-- Rick Reinbold
Village President
Richton Park, IL

"Clark Dietz's innovative and comprehensive approach provided for increased capacity, while minimizing equipment and structural upgrades. As a result, we realized a savings of approximately $18,600 per month in electrical bills."

-- Steve Vella
Northwest Regional Water Reclamation Facility
Fox Lake, IL

I have been directly involved with Clark Dietz and the services they have provided to the Village. Clark Dietz is professional, responsibe, and I would highly recommend their services to any municipality.

-- De'Carlon Seewood
Village Manager
Richton Park, IL

Section 2



Design Engineering

STAFFING

Name/Registration/Title	Years of Exp./@Firm	IDOT/Municipal Project Experience
Theodore Sianis, PE Project Manager	10/0	Responsible for planning, design, and construction inspection of municipal projects involving stormwater drainage, sanitary sewers, lift stations, treatment plants, and street/parking lot improvements. Experienced with project administration, design and construction observation of ARRA Stimulus projects as well as designed and drafted MFT and CDBG funded street maintenance and sanitary sewer lining projects.
Antonio Acevedo, PE Civil Engineer	8/0	Serves as project engineer on Phase I studies and Phase II designs. Experience includes geometric highway design, traffic capacity analyses, traffic signal design, public involvement, crash analyses, and intersection and interchange design studies. Proficient in the use of Microstation, Geopak, ArcGIS, Google Sketchup, and Adobe Photoshop.
Emily Basalla, PE, CFM Civil Engineer	13/0	Experience in stormwater design, water main relocations, sanitary sewer design, wastewater treatment processes, pavement replacement, and roadway widening projects. Additional stormwater design experience includes drainage studies, storm sewer design and facilitating the permit process.
Ronald Nordmeyer, PE Civil Engineer	6/25	Experienced transportation project manager and engineer. The range of his experience includes highways, local roads, site design, airport improvements and major bridge and expressway projects. He has well-rounded technical expertise that includes geometrics, roadway and runway drainage, signal improvements, site lighting, utility design as well as surveying, construction engineering and inspection.
Compass Survey		Subconsultant

Project / Client	Washington Street Stormwater Improvements, City of Elmhurst, IL
Scope of Work / (Contractor) / Client POC	Clark Dietz was selected to create an approximate three-acre-foot detention area to increase the flood protection level generally in the area bound by South Bryan Street, West McKinley Avenue, South Euclid Avenue, and West Madison Street. The proposed detention pond (the "Pond") was to be constructed on properties the City acquired along the west side of Washington Street. Clark Dietz duties included field survey, including performing a detailed topographic survey of the Project area for use in the Phase II Engineering; hire a geotechnical subcontractor to perform a geotechnical survey including borings taken in the Pond; provide utility coordination; conduct meetings with the City throughout the Project's duration to present design studies, obtain environmental and design concerns, and review the Project schedules; conduct one (1) informational meeting with other impacted agencies and residents; prepare all necessary permitting/ plans including DuPage County Stormwater, Illinois Department of Transportation ("IDOT"), Notice of Intent ("NOI"), and Stormwater Pollution Prevention Plan ("SWPPP"); Verify compliance is maintained throughout the Project; Determine if rights-of-way and temporary and/ or permanent easements are required for the Project; Perform design engineering services including: • Creating a relatively shallow pond utilizing a combination of surface and underground storage. • Utilizing overland flow for filling the Pond and design elevations along Washington Street so that any street flooding will flow into the Pond. • Designing a pump station that would discharge the water from the Pond into the storm sewers on Washington Street. • Designing a pilot channel across the Pond to improve the emptying of the Pond in a manner so that the pilot channel is adequately graded to ensure that the Pond bottom does not become a soggy, marshy area and to allow for mowing and maintenance. • Bidding and procuring a lift station through performance specifications that permit manufacturers to provide turnkey complete installations including structural, electrical, and mechanical engineering product delivery. • Modifying the Pond outlet if some or all of it is at a lower grade than the existing bottom of the pump well. Other duties included Preparation of Construction Documents for Public Bidding, and bidding assistance. Contractor: Earthwerks Land Improvement & Development Corp. POC: Howard Killian, Director of Public Works, (630) 530-3041
Project Team	Stacie Dovalovsky, PE - Project Manager, Emily Basalla, PE - Project Engineer, Tom Foley, PE - Project Engineer
Construction Cost / Fee / Year	$719,907 / $82,634 / 2017

Project / Client	Cullerton Drive Reconstruction, Village of Franklin Park, IL
Scope of Work / (Contractor) / Client POC	Clark Dietz was hired by the Village to perform all facets of engineering for the project. The Cullerton area in Franklin Park, Illinois is heavily industrial with high amounts of truck traffic. Over the years the road has severely deteriorated and was a high priority for the Village to reconstruct. The project originated in 2011 with a Preliminary Design Report, which outlined options and recommendations for water main, storm sewer, sanitary sewer, and pavement design. After investigating several funding options, final design began in 2014, which included the reconstruction of all streets in the service area with upgrades to the geometrics and cross section. Upgrades primarily focused on increasing the mobility of trucks through the subdivision while working within the confines of the existing right of way. The design also included sanitary sewer and storm sewer upgrades/repairs to prepare for a future CIPP lining project in the service area. Additionally, a 12" water main will be constructed along Grand Avenue and across Wellington Avenue to provide a much needed loop of the water system with surrounding areas. Funding on this project included a grant from IDOT, local funds, and one of the first Section 108 loans; a new opportunity administered under Cook County's CDBG. The businesses took the majority of the financial burden, paying back this loan through a Special Service Area (SSA) tax, making the success of this project extremely important to both the Village and the local businesses. Construction on this project began in July, 2015 and although it had a tight schedule, it was completed by the end of the 2015 construction year. Contractor: Martam Construction POC: Joe Lauro, Utilities Commissioner, (847) 671-8253
Project Team	Emily Basalla, PE - Project Manager, Theodore Sianis, PE - Project Engineer
Construction Cost / Fee / Year	$5,791,830 / $268,250 (design services) $168,467 (construction services) / 2016 (design), 2017 (construction)

Project / Client	RTA Access to Transit, Crosswalk Replacement, ADA Upgrades and Pedestrian Signals, Village of Richton Park, IL
Scope of Work / (Contractor) / Client POC	Clark Dietz assisted the Village in obtaining RTA Access to transit funds for the design and construction of pedestrian improvements in the Village's Town Center. This program funds is funded 80% through the Chicago Metropolitan Agency for Planning (CMAP) and 20% through the Regional Transit Authority (RTA). The project consists of decorative concrete sidewalks across State and County highways, curb & curb ramp ADA upgrades, and the replacement/addition of pedestrian signal heads all at multiple locations to enhance public safety and aesthetics traveling to and from the Village's Metra station. Construction is anticipated to occur in federal fiscal year 2017. Contractor: N/A (95% design completion) POC: Regan Stockstell, Village Manager, (708) 481.8950
Project Team	Theodore Sianis, PE - Project Manager, Antonio Acevedo, PE - Project Engineer; Emily Basalla - Project Engineer
Construction Cost / Fee / Year	$340,000 (estimated) / $61,725 / 2017

Section 3

Resident Engineering

STAFFING

Name/Registration/Title	Years of Exp./@Firm	IDOT/Municipal Project Experience
Michael Collins, PE Project Manager	7/5	Experienced resident engineer who has successfully completed interstate highway projects as well as major urban thoroughfares. Scope of projects has included roadway rehabilitation and reconstruction, intersection improvements, signal and lighting upgrades, drainage improvements and bridge rehabilitations.
Chester Kochan, PE Resident Engineer	28/4	Experienced with a wide range of transportation and infrastructure projects. He directs construction engineering services including observation, materials testing, documentation and survey activities for projects. He has successfully completed numerous projects for IDOT, ISTHA, county highway departments, local municipalities, and private sector clients. His projects have included roadway and bridge reconstruction in urban and rural settings; water main extensions and replacements; and Interstate highway bridges, interchanges and roadway rehabilitations.
Robert Valentine, PE Resident Engineer	6/25	Has served as a Project Manager on a variety of transportation projects. Duties include ensuring that the project has been completed in close conformity with the plans and specifications, providing technical expertise for material sampling and testing, serving as the owner's liaison with the contractor, conducting progress meetings, preparing work directives and change orders, determining payment and material quantities, fulfilling final reporting requirements, ensuring that applicable disadvantaged business requirements have been fulfilled, preparing final payment documents, and closing out the construction contract.
Christopher Beyer, EIT Resident Engineer	3/0	Experience includes construction inspection projects for parking lots and roadway projects, with field experience for municipal projects.
Jose Garcia	<1	Experience includes construction inspection projects for parking lots and roadway projects, with field experience for municipal projects.
Compass Survey		Subconsultant

EXPERIENCE

Project / Client	High Ridge Road LAFO, Phase II & Phase III, Villa Park, IL
Scope of Work / (Contractor) / Client POC	Clark Dietz provided Phase II and Phase III services for the federally funded High Ridge Road resurfacing project. The pavement of the nearly half-mile roadway was in poor condition, with pervasive distresses and cracking. The Village was interested in full-depth reclamation (FDR) pavement rehabilitation process to repair the nearly half-mile of pavement. FDR is less costly than conventional reconstruction since new material is not needed for the aggregate base. Clark Dietz was able to provide a pavement design that incorporated FDR, which was not an Illinois Department of Transportation (IDOT) approved construction technique at the time of project development. Implementing this innovative method of construction required coordination with the IDOT for approval of an Experimental Feature Work Plan. Additional cost savings were realized because material does not need to be transported to the project site, nor waste material hauled away. Since the FDR process can be completed in less time than conventional construction, reduced labor costs and impact to the public were realized as well. Adjacent to the pavement rehabilitation, existing aggregate shoulders were widened and replaced. Damaged culverts were replaced and sidewalk crossings upgraded to American with Disabilities Act Standards and coordination with the major facilities that abut the project site was essential. The construction schedule was designed to mitigate impacts to both the Islamic Foundation and Willowbrook High School and the communities they serve. Contractor: K-Five Construction POC: Jeremie Lukowicz, Asst. Village Engineer, (630) 834-8500
Project Team	Ronald Nordmeyer, PE - Design Phase Project Manager, Michael Collins, PE - Construction Phase Project Manager, Emily Basalla, PE - Design Project Engineer; Christopher Beyer, EIT - Construction Engineer
Construction Cost / Fee / Year	$436,000 / $35,000 (design phase); $52,541 (construction phase) / 2017

Project / Client	2015 Roadway Rehab Construction Services, Gurnee, IL
Scope of Work / (Contractor) / Client POC	Clark Dietz was selected to assist the Village of Gurnee staff with construction oversight and field work during the 2015 construction season. Duties for our staff included site infrastructure inspection, construction site layout including pavement, utilities and grading improvements, Construction management including oversight, documentation and material testing. Contractor: Maneval Construction (roadway), Berger Excavating (culvert) POC: Scott Drabicki, Village Engineer, (847) 599-7582
Project Team	Emily Basalla, PE - Project Engineer
Construction Cost / Fee / Year	$789,000 / $100,000 / 2016

Project / Client	Safe Routes to School Sidewalk Replacement, Harwood Heights, IL
Scope of Work / (Contractor) / Client POC	Assisted the Village in obtaining Safe Routes to School (SRTS) funding to construct new sidewalks and upgrade existing sidewalks within the Village to be compliant with current ADA requirements. The Village then contracted Clark Dietz to perform design engineering services which included design and permitting of curb ramp replacements at various locations within one neighborhood. The project location fell within the area surrounding Union Ridge Elementary School bounded by Gunnison Street (north), Oak Park Ave. (East), Sayre Ave. (West), and Montrose Ave. (South). At specified locations, curb ramps were replaced, existing roadway signage was replaced to be compliant with retro- reflectivity standards, and new/updated pavement striping was laid. Also included was the performance of construction engineering services which included the keeping of a daily record of the contractor's activities throughout construction, preparation and submission of the required pay estimates, authorization creation and submission (change orders), revision of contract drawings to reflect as built conditions, and the coordination with IDOT for the close-out of the project following the Department's procedures. This project was Federally funded and construction documentation followed IDOT documentation standards. Contractor: Schroeder & Schroeder POC: George Assimakopoulos, Superintendent of Public Works, (708) 867-7206
Project Team	Ted Sianis, PE - Project Engineer
Construction Cost / Fee / Year	$182,590 / $37,772 / 2016

Section 4

Wastewater Improvements

STAFFING

Name/Registration/Title	Years of Exp./@Firm	IDOT/Municipal Project Experience
Thomas Foley, PE Project Manager	7/0	Specializing in wastewater engineering, Tom monitors every detail throughout the planning, drafting, and design processes to produce efficient, well executed designs. As a project engineer, he capably navigates the permitting process to ensure a seamless project delivery. He has contributed to the design and management of a variety of project such as: the Tall Oaks Wastewater Treatment Plant Facilities Plan in Fox Lake, IL; Combined Sewer Designs in Mequon, WI; and Energy Efficiency Improvements in Evansville, IN.
Andrea Bretl, PE, ENV SP Project Engineer	11/6	Responsible for industrial and municipal water and wastewater treatment facility planning and design. Specializes in master planning, innovative alternatives analysis, design engineering and construction of wastewater treatment systems for industrial and municipal clients. Extensive experience in preparing process design calculations, hydraulic evaluations of existing plants, existing plant operational evaluations and analysis and master facilities planning. Her projects have ranged from design of nutrient removal systems at activated sludge plants to design and construction phase services of the first biological aerated filter system in the state of Indiana.
Omkar Ghavi, PE Project Engineer	9/0	Experience in master planning, process modeling and simulation, and design of municipal and industrial wastewater treatment facilities. Extensive experience with evaluation and selection of wastewater treatment process alternatives, energy efficiency studies, hydraulic modeling, and life cycle analyses. He has prepared special sampling plans for wastewater characterization and performed steady state and dynamic modeling, process calculations for the phosphorus removal and biological nutrient removal (BNR) studies and detailed design including assessment and economic evaluations for chemical, biological, and combination of biological and chemical phosphorus removal technologies with the associated advantages and disadvantages to deliver the most optimal and effective treatment solutions. He has also designed water distribution pipelines, sanitary force mains, lift stations and performed modeling and assessment of the impacts of hydraulic transients in the collection systems and water distribution systems.
Compass Survey		Subconsultant

EXPERIENCE

Project / Client	Atrium Grinder Station, Elmhurst, IL
Scope of Work / (Contractor) / Client POC	Design for the installation of an in-ground structure to house a flow-through sewage grinder and by-pass bar screen prior to the station's wet well. Contractor: N/A (contract has not yet been let) POC: Dan Rosenwinkel, Production & Wastewater Treatment Supt., (630) 530-3099
Project Team	Tom Foley, PE - Project Engineer, Omkar Ghavi, PE - Project Engineer
Construction Cost / Fee / Year	contract has not yet been let / $72,725 / 2017

Project / Client	Grit Equipment Replacement, City of West Chicago, IL
Scope of Work / (Contractor) / Client POC	This project consisted of the installation of two (2) grit collectors and one (1) grit classifier in the existing inlet channel at the regional wastewater treatment facility. The improvements also included a new HVAC unit for the grit building, relocation of odor control unit and structural modifications to grit building deck. Contractor: JJ Henderson POC: Robert Flatter, Director of Public Works, (630) 293-2255
Project Team	Andrea Bretl, PE - Project Manager, Omkar Ghavi, PE - Project Engineer
Construction Cost / Fee / Year	$1,182,000 / $150,835 / 2015

Section 5

Stormwater Engineering

STAFFING

Name/Registration/Title	Years of Exp./@Firm	IDOT/Municipal Project Experience
Emily Basalla, PE, ENV SP Stormwater Engineer	13/0	Experienced in hydrologic and hydraulic analysis of existing and proposed conditions using computer models including TR-20, WinTR-20, HEC-HMS, HEC-RAS, StormCAD, SewerCAD, Culvert Master and Flow Master. She is experienced with development of municipal stormwater capital improvement programs, NPDES Phase II programs and Community Rating System applications. Additionally, Emily has designed numerous flood relief projects including relief sewers, detention basins and re-establishment of overland flow paths. She has acted as the Village Floodplain Manager, for Franklin Park, IL and Fox Lake, IL conducting reviews of developments proposed within a mapped floodplain and mapped floodways (more than 1300 parcels), management of the NPDES Phase II program, and completes preparation of grants including IEPA Illinois Green Infrastructure, Hazard Mitigation, and IKE.
Christopher Gutkowski, PE, CFM, ENV SP Stormwater Engineer	11/1	Experienced in environmental engineering planning and design, specializing in stormwater. Experience includes master plan development and hydrologic/hydraulic modeling utilizing HEC-HMS, HEC-RAS, XP-SWMM, StormCAD and EPA-SWMM. He has worked on projects that include low impact design, site plan review, floodplain/floodway analysis, FEMA floodplain map revisions, and capital improvement plans. His stormwater design experience includes open channel projects focusing on erosion issues and conveyance capacity, as well as analysis and design of storm sewers and wetland detention ponds. Combined and sanitary sewer experience includes overflow elimination studies, system and treatment plant modeling, and sewer design.
Brandon Flunker, PE Civil Engineer	9/0	Brandon is a civil engineer who has developed a portfolio of municipal infrastructure experience with drainage, storm and sanitary sewers projects.
Andrew Ashley, PE Civil Engineer	4/0	Technical expertise includes sewer/stormwater design, surveying, hydrologic/hydraulic modeling, plan and specification preparation, construction cost estimating, and construction engineering and observation.
Compass Survey		Subconsultant

EXPERIENCE

Project / Client	Prentiss Creek Watershed Infrastructure Plan Update, Downers Grove, IL
Scope of Work / (Contractor) / Client POC	Updated the information associated with the Localized Poor Drainage Areas (LPDAs) identified within the Prentiss Creek Watershed. This update included assessing the validity of each LPDA based on the definition found in the Village Code by looking at the local drainage, verifying the water surface elevation for each LPDA, remapping the LPDA extents, and organizing support documentation for each area. Previous information was utilized whenever possible with additional survey of each area to identify structures, flat areas, critical overflow elevations and questionable contour data. Detailed hydraulic analysis was performed using EPA-SWMM and summary sheets created for each of the areas studied. Contractor: N/A POC: Kerry Behr, Stormwater Administrator, (630) 434-5489
Project Team	Christopher Gutkowski, PE - Project Manager, Emily Basalla, PE - Project Engineer
Construction Cost / Fee / Year	N/A (study) / $36,000 / 2017

Project / Client	Harrison Street Detention Improvement, Elmhurst, IL
Scope of Work / (Contractor) / Client POC	Phase II engineering services for design of a detention basin and associated stormwater work. We provided topographic survey, geotechnical survey, utility coordination, hydraulic analysis and design of an intersection; facilitated meetings with the City, impacted agencies, businesses, and the public; prepared 3D renderings/exhibits; prepared preliminary cost estimates; prepared construction bid documents; and provided permitting and bidding assistance. The final design included the creation of five additional acre feet of detention of City owned property via retaining walls, installation of 100 LF of storm sewer and seven storm sewer structures, modifications to an existing pump station, hot-mix asphalt pavement reconstruction, new combination curb and gutter, new sidewalk ramps compliant with ADA standards, driveway pavement, permanent fencing, and landscaping. Construction services included submittal reviews, utility coordination, construction inspection and documentation, generating pay estimates and change orders, material QA testing, meetings with the City, and on site liaison to residents on behalf of the City. Contractor: Elanar Construction Co. POC: Kent Johnson, City Engineer, (630) 530-3024
Project Team	Stacie Dovalovsky, PE - Project Manager, Emily Basalla, PE - Project Engineer, Christopher Beyer, EIT, Thomas Foley, PE, Brandon Flunker, PE, Jose Garcia, Andrew Torola
Construction Cost / Fee / Year	$2,713,777 / $357,176 / 2017

Jennifer Barlas

Clark Dietz, Inc.
977 N. Oaklawn Ave, Suite 106
Elmhurst, IL 60126-1023

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jennifer.barlas@clarkdietz.com

clarkdietz.com

Clark Dietz

Engineering Quality of Life®







VILLAGE OF BENSENVILLE

STATEMENT OF QUALIFICATIONS FOR

CIVIL ENGINEERING SERVICES

OCTOBER 19, 2017



CMT
Crawford, Murphy & Tilly







Village of Bensenville

Civil Engineering Services

October 19, 2017

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Joseph M. Caracci, PE
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, IL 60106

RE: Request for Qualifications - Establishment of Short-Lists for Civil Engineering Services

Dear Mr. Caracci,

According to its Comprehensive Plan, the Village of Bensenville is a "Gateway to Opportunities." With the economic recovery and expansion of business activity in the region, this statement is quite literal. The village is both well-positioned to take advantage of the region's modernized, and rapidly growing, transportation facilities. However, these positive changes also necessitate maintaining the village's infrastructure.

With many ongoing client relationships that have nearly spanned our 70-plus years in business, Crawford, Murphy & Tilly, Inc. (CMT) understands the special challenges ongoing maintenance and infrastructure renewal can bring. As infrastructure ages, municipalities must contend with maintaining existing services and transportation corridors, avoiding costly disruptions-of-service to businesses and navigating public involvement with concerned residents.

CMT works with their clients to find innovative solutions that:

- Extend the life of aging infrastructure and help to prioritize necessary fixes
- Apply for and secure numerous funding opportunities
- Reduce disruptions to residents and businesses wherever possible, while keeping stakeholders informed

UNDERSTANDING YOUR NEEDS

Through engaging with our clients, keeping up with industry trends, and continually growing our experience and expertise, CMT is adept at not only identifying but also fully understanding your needs. We believe that this understanding is crucial in order to best help solve our clients' problems.

DESIGNING SOLUTIONS TO YOUR PROBLEMS

CMT is in the business of designing innovative, cost-effective solutions. With CMT, you'll have access to our local staff, as well as the deep bench of resources and professionals throughout our firm. Not only do we help our clients find the best solutions, but we can also support them through implementation, assuring the project's ultimate success.



Working with the Village of Plainfield, CMT, drafted a TIGER grant application for the 2-mile-long 143rd Street expansion project. CMT also has extensive grant application experience with IEPA and transportation-related programs.

PROVIDING YOU PEACE OF MIND

CMT understands that infrastructure betters our lives for decades, and it also represents a significant investment to improve and maintain. We plan and design with our own families in mind, as well as yours. When you hire CMT, you can have peace of mind that we've considered all the parameters to properly plan, design and guide in the construction of some of your most important assets.



Creating an innovative solution to transit-oriented development, CMT worked with Pace, Hoffman Estates, IDOT and the Illinois Tollway to create a modern overpass and bus transit facility funded with federal funds.

PRIORITIZING YOUR VALUES

With the tagline, "Centered in Value," CMT has framed our entire business model around bringing value to our clients. CMT actively uses a quality assurance program to deliver the best possible projects. This incorporates a traditional plan review process into design development, but we don't stop there. For more than 20 years, CMT has been gathering satisfaction feedback from our clients, both small and large. As a result, our approach to solving your problems is ever-evolving with our clients.



CMT has been providing inspection of subdivision improvements to Aurora for more than 20 years, where we live and work. We're proud that our community trusts CMT to look after these important developments.

WORKING WITH LOCAL CLIENTS AND AGENCIES

Due to limited space, our experience highlighted in this SOQ provides only a sample of our project experiences and key clients. Some of our clients include IDOT, DuPage County, Illinois Tollway, the City of Chicago (various agencies) and more. We are prepared to share with the village additional details regarding these contracts, but it does not appear that these contracts would result in a conflict of interest.

Thank you for your time and consideration. As your point-of-contact and proposed Project Manager/Client Liaison, please contact me with any additional questions (jkoenig@cmtengr.com, 630.820.1022).

Sincerely,

Joel Koenig, PE, ENV SP
Senior Project Manager

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [2] Design Engineering
- [1] Wastewater Improvements
- [ ] Stormwater Engineering
- [ ] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

CRAWFORD, MURPHY & TILLY, INC. CORPORATE SEAL 1963 DELAWARE

By.....: Bernard D Held

Print Name .....: Bernard D. Held, PE

Position/Title.....: Senior Vice President

Company Name ...: Crawford, Murphy & Tilly, Inc.

Address line 1 .....: 550 N Commons Drive, Suite 116

Address line 2 .....: Aurora, IL 60504

Telephone.....: 630-820-1022

Project Staffing Table

Name/Registration/Title	Years Exp/ @ CMT	IDOT/Municipal Project Experience
Joel Koenig, PE, ENV SP / Client Liaison & Project Manager	33/26	Aqua Illinois, Kankakee WTP/Cobb Boulevard Utilities, 36-inch raw water line, site grading, drainage, design of updated WTP. Civil-Site Project Lead Engineer. Thorn Creek Basin Sanitary District, Pipe Rehabilitation, 13,000 lineal feet of sewers from 24 to 48 inches. Project Engineer: prepared plans, specifications and bidding documents. Crystal Lake, Lift Station No. 9. Reconstruction of existing lift station, permitting, SCADA, environmental. Project Manager.
Chris Dagiantis, PE, CFM / Lift Stations, Underground Utilities	21/17	Aqua Illinois, Kankakee WTP/Cobb Boulevard Utilities, 36-inch raw water line, site grading, drainage, design of updated WTP. Project Engineer: drainage and floodway permitting, Phase III oversight. Bartlett, Country Creek Lift Station, conversion of existing flooded wet well/dry well pump station into submersible lift station. Project Manager: responsible for plans, specifications, cost estimates, IEPA permitting and bidding assistance.
Ted Gietl, PE / Lift Stations, Underground Utilities	24/21	Bartlett, Country Creek Lift Station, conversion of existing flooded wet well/dry well pump station into submersible lift station. Project Engineer. Litchfield, Three Pump Stations, update of existing duplex dry-pit sanitary sewer pumping stations with an increase to capacity. Project Engineer.
Tim Sumner, PE, CFM, CSM / Sanitary Sewer Eval, CMOM	26/26	Thorn Creek Basin Sanitary District, Pipe Rehabilitation, 13,000 lineal feet of sewers from 24 to 48 inches. Project Manager. Carpentersville, CMOM program, development of CMOM program to achieve no discharges from sewer backups. Project Manager. Litchfield, Three Pump Stations, update of existing duplex dry-pit sanitary sewer pumping stations with an increase to capacity. Project Manager.

Project Staffing Table, Continued

Name/Registration/Title	Years Exp/ @ CMT	IDOT/Municipal Project Experience
Archana Kuchimanchi, PE / CMOM, Wastewater Pump Stat.	12/3	Thorn Creek Basin Sanitary District, Pipe Rehabilitation, 13,000 lineal feet of sewers from 24 to 48 inches. Project Engineer. Carpentersville, CMOM program, development of CMOM program to achieve no discharges from sewer backups. Project Engineer.
Micah Pitner, PE, ENV SP, LEED AP ND / Underground Utilities, CMOM	8/8	Carpentersville, CMOM program, development of CMOM program to achieve no discharges from sewer backups. Project Engineer.
Theresa O'Grady, PE / Underground Utilities	23/23	Aqua Illinois, Kankakee WTP/Cobb Boulevard Utilities, 36-inch raw water line, site grading, drainage, design of updated WTP. Project Manager, Technical Advisor and Client Liaison.
Jason Dove, PE / Roadway Improvements & Parking Lots	20/17	Pace, Burr Ridge Park-n-Ride, expansion of existing 81-stall parking lot to add 110 parking stalls, drainage, lighting, landscape, site work, ADA upgrades. Project Manager. Batavia, Deerpath Rd at Main St, widening and improvements at intersection, with additional turn lanes added. Project Manager Elgin, 2017 Street Resurfacing, includes 10 miles of roadway rehabilitation and resurfacing. Project Manager. Rockford, South Main St and Seventh St Lighting, lighting improvements along downtown Rockford streets. Project Engineer.
Jeff Sedig, PE / Roadway Improvements & Parking Lots	12/12	Extensive roadway design experience, particularly Phase II. Serves as project engineer or project manager for roadway extension, rehabilitation and intersection improvement projects.
Tice Cole, PE, PTOE / Traffic Signals & Pedestrian Crossings	15/9	Professional Traffic Operations Engineer with experience as project engineer and project manager on large, multi-disciplinary projects, including the Barrington/I-90 interchange which includes extensive pedestrian accommodations.

Project Staffing Table, Continued

Name/Registration/Title	Years Exp/ @ CMT	IDOT/Municipal Project Experience
Kelly Farley, PE / Traffic Signals & Pedestrian Crossings	23/23	Elgin, 2017 Street Resurfacing, includes 10 miles of roadway rehabilitation and resurfacing. Client Liaison. Has studied or designed more than 50 intersections that have required signal design and/or upgrades.
Asad Bajwa, PE / Roadway Improvements & Parking Lots	26/23	Aqua Illinois, Kankakee WTP/Cobb Boulevard Utilities, 36-inch raw water line, site grading, drainage, design of updated WTP. Electrical Engineer. Rockford, South Main St and Seventh St Lighting, lighting improvements along downtown Rockford streets. Project Manager.
Prabhu Ananthan, PE, SE / Roadway Improvements & Parking Lots	15/9	Structural engineer with experience ranging from municipality bridge inspection to design of large-scale bridge rehabilitation, replacements and reconstructions.
Corey Worthel, PLS / Roadway Improvements & Parking Lots	39/11	Aqua Illinois, Kankakee WTP/Cobb Boulevard Utilities, 36-inch raw water line, site grading, drainage, design of updated WTP. Surveyor.

Project Experience Table

Project/Client	Lift Station No. 9 / City of Crystal Lake
Scope of Work/ Contractor/ Client Contact	Preliminary analysis and final design to refurbish the existing Lift Station No. 9 building. Included design of new sanitary sewer lift station, electrical components and SCADA. Phase I & II/ TBD / Dan Langguth, Public Works Superintendent. 815-459-2020 x4169
Project Team	Joel Koenig- Project Manager; Asad Bajwa- Electrical Engineer
Construction Cost/ Fee/ Year	$563,000 / $45,000 / 2016

Project/Client	Country Creek Lift Station / Village of Bartlett
Scope of Work/ Contractor/ Client Contact	Rehabilitation of an existing sanitary sewer lift station, consisting of a dry well pump station with a separate wet well. Included new meter vault, new valve vault, new power and communication wiring and new site piping. Phase I, II, III / McHugh Construction / Robert Allen, Village Engineer. 630-837-0811
Project Team	Chris Dagiantis- Project Manager; Ted Gietl- Pump Engineer; Asad Bajwa- Electrical Engineer
Construction Cost/ Fee/ Year	$340,000 / $51,000 / 2016

Project/Client	Sewer Rehabilitation / Thorn Creek Sanitary District
Scope of Work/ Contractor/ Client Contact	Assessment of sanitary sewers and value engineering recommendations for rehabilitation. CMT prioritized repair segments into separate tiers based on severity. / Insitu-Form / Jeremy Stubbs, Technical Services Director. jstubbs@thorncreekbasin.org
Project Team	Tim Sumner- Project Manager; Joel Koenig- Project Engineer; Archana Kuchimanchi- Design Engineer
Construction Cost/ Fee/ Year	$3,232,600 / $350,000 / Ongoing

Project/Client	Secondary Service Pump Stations / Sangamon County Water Reclamation District, Springfield, IL
Scope of Work/ Contractor/ Client Contact	Multiple new pump stations and existing pump station upgrades and/ or rehabilitations / Williams Brothers Construction / Gregg Humphrey, Director/Engineer. 217-528-0491. gshumphrey@scwrd.org
Project Team	Christy Crites- Project Manager; Ted Gietl- Project Engineer
Construction Cost/ Fee/ Year	$55,000,000 (includes additional projects) / $4,750,000 (includes additional projects) / 2017

Project Experience Table

Project/Client	2017 Resurfacing Program / City of Elgin
Scope of Work/ Contractor/ Client Contact	Assessing 10 miles of existing roadway to determine condition, and construction observation. Phase III / Plote / Joe Evers, Engineer. 847-931-5958
Project Team	Jason Dove- Project Manager; Kelly Farley- QA/QC
Construction Cost/ Fee/ Year	$4,000,000 / $300,000 / 2017

Project/Client	Main St. and Seventh St. Lighting / City of Rockford
Scope of Work/ Contractor/ Client Contact	Electrical, drainage, streetscape, traffic signals engineering and stakeholder coordination services for proposed improvements along Main Street and Seventh Street. Design / William Charles Construction Company, LLC / Jamie Rott, Project Manager. 779-348-7300
Project Team	Jason Dove- Project Manager; Asad Bajwa- Electrical Engineer; Corey Worthel- Construction Inspection
Construction Cost/ Fee/ Year	multiple contracts / $180,000 / 2016

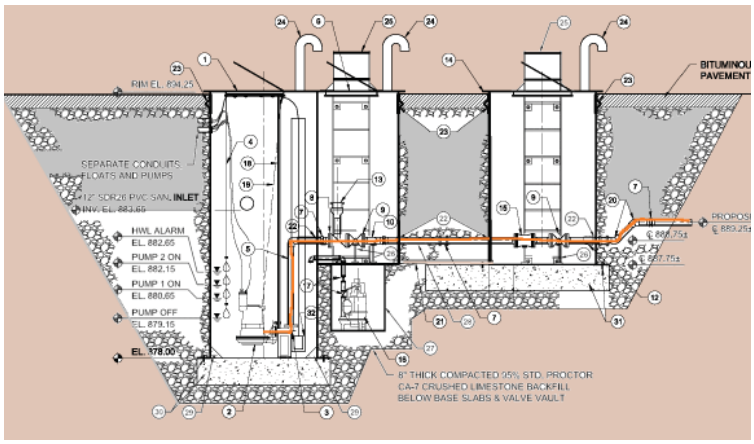
Project/Client	Burr Ridge Park-n-Ride Parking Lot / Pace
Scope of Work/ Contractor/ Client Contact	Expansion and rehabilitation of existing parking lot to add 110 parking stalls. Included additional drainage, lighting, landscaping, site work, ADA upgrades and miscellaneous pavement and curb patching. Permits required through Burr Ridge and MWRDGC. Phase II / TBD / Mark Youngquist, Civil Site Design Manager. 847-228-2369
Project Team	Jason Dove- Project Manager; Chris Dagiantis- Drainage Engineer
Construction Cost/ Fee/ Year	TBD / $157,000 / TBD

Project/Client	Deerpath Rd at Main St Improvements / City of Batavia / IDOT Dist. 1
Scope of Work/ Contractor/ Client Contact	Improvements to the intersection of Deerpath Road and Main Street. Includes bike path addition, and signal addition per IDOT District 1 requirements, as well as emergency vehicle preemption on each leg of the intersection. Phase II / Contractor TBD / Rahat Bari, City Engineer. 630-454-2000.
Project Team	Jason Dove- Project Manager; Kelly Farley- Project Liaison; Corey Worthel- Surveyor
Construction Cost/ Fee/ Year	Est. $2,100,000 / $240,000 / ongoing

Project/Client	CMOM Program / Village of Carpentersville
Scope of Work/ Contractor/ Client Contact	Fast-paced development of a CMOM program in response to NPDES requirements. / Contractor N/A / Joe Egler, Wastewater Superintendent. 847-551-3490
Project Team	Tim Sumner- Project Manager; Archana Kuchimanchi- Project Engineer; Micah Pitner- Design Engineer
Construction Cost/ Fee/ Year	N/A / $20,000 / 2017

WASTEWATER-RELATED PROJECTS





Prefabricated wet well and lift station.



The existing wet well is located beneath the separate service building, and will be relocated into a new wet well.

Year Complete
ongoing

Reference
Dan Langguth
Superintendent
of Public Works
100 W Woodstock Street
Crystal Lake, IL 60014
815-459-2020 x4169

Lift Station No. 9

Village of Crystal Lake, IL

The Village of Crystal Lake selected CMT to provide a preliminary analysis and final design services to refurbish the existing Lift Station No. 9 service building, which included the design of a new sanitary sewer lift station, electrical components, standby generator and SCADA. Additionally, CMT's scope of work included the design of a new influent service line and force main.

The existing lift station was presumed to have been originally constructed in the early 1950s, but few records for this station existed, and the exact age could not be determined. Due to its age, CMT commissioned a lead-based paint survey and a NESHAP asbestos study. These studies revealed the presence of certain suspect materials. A geotechnical investigation was included in the scope of work, which indicated a water table level likely to affect construction activities. CMT analyzed portions of the village's existing GIS sewer data and previously completed I&I studies to establish a baseline hydraulic flow, and further assessed for impacts due to I&I. Due to prior sewer back-ups, close attention to hydraulic grades and flow conditions were assessed and incorporated into the designs. CMT compiled this information, along with a preliminary design and an opinion of probable construction costs, into a technical memorandum.

Upon review and concurrence by the village, CMT proceeded with the final design. The project includes a new influent sewer, the decommissioning of the existing wet well located inside the existing service building to a new exterior wet well and lift station, new electrical controls, SCADA system and a stand-by generator. The existing building will be modified and re-used for as the home of the new electrical controls. The existing forcemain will be replaced which requires a permit with IDOT. Permits will be applied for with the IEPA for the new station.





Project site during construction, with bypass pumping being provided by the electrical pumps.

Year Complete
2016

Reference
Robert Allen
Village Engineer
1150 Bittersweet Dr.
Bartlett, IL 60103
rallen@vbartlett.org
630-837-0811

Country Creek Lift Station

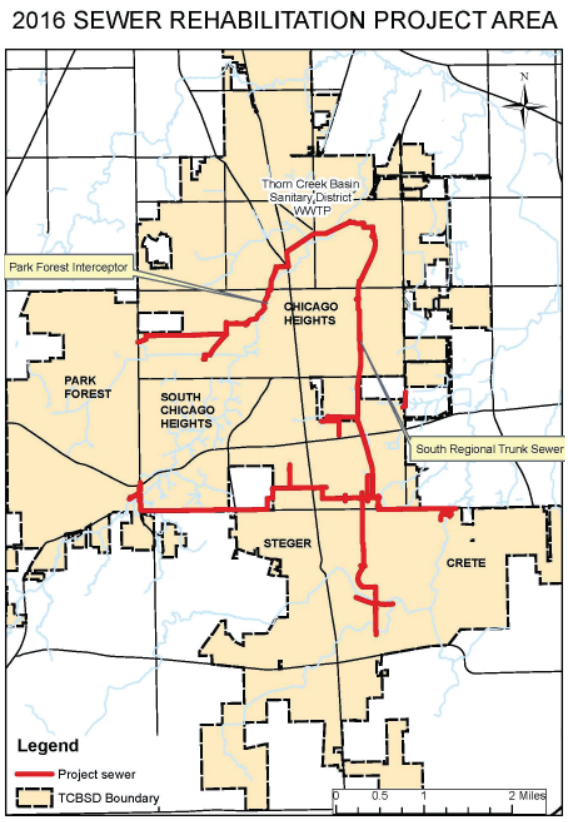
Village of Bartlett, IL

The Village of Bartlett chose CMT to rehabilitate one of their existing sanitary sewer lift stations. The existing lift station consisted of a standard dry well packaged pump station with a separate wet well. The pump station required an operator to enter the vault, which was close to 40 feet deep. The station was also at risk of flooding as the pump station was approximately 10 feet from a nearby creek, and the elevation of the station was below the 100-year flood elevation.

It was impractical and expensive to rehabilitate the lift station by excavating next to the creek to install a new lift station. Instead, CMT analyzed the size of the existing wet well and was able to design and permit a “no dig” submersible pump system that would reuse the existing structure, eliminating the need for a deep excavation.

During construction, CMT designed and specified a bypass system using electrically-powered pumps since the lift station is in a residential area, virtually eliminating added noise. Once the bypass was set up, the old packaged lift station equipment was removed and the metal structure was abandoned in place with rock fill. The wet well was cleaned out and rehabilitated to fix leaks and remove the concrete at the inverts. A barrel section was added to raise the top above the floodplain elevation and install a new access hatch. After repairs were made, a structural polyurethane spray liner was installed. This liner was designed to provide a standalone supporting system if needed. The final step was to install the new submersible pumps.

Other improvements included a new meter vault, new valve vault, revised site piping to connect the new equipment to the existing system, and new power and communication wiring back to the pump house.



TCBSD's south regional trunk sewer serves several communities.

Year Complete
ongoing

Reference
Jeremy Stubbs
Technical Services Director
700 West End Avenue
Chicago Heights, IL 60411
jstubbs@thorncreekbasin.org



CMT reviewed video of the sewer to prioritize repair areas.

Sanitary Sewer Rehabilitation

Thorn Creek Basin Sanitary District

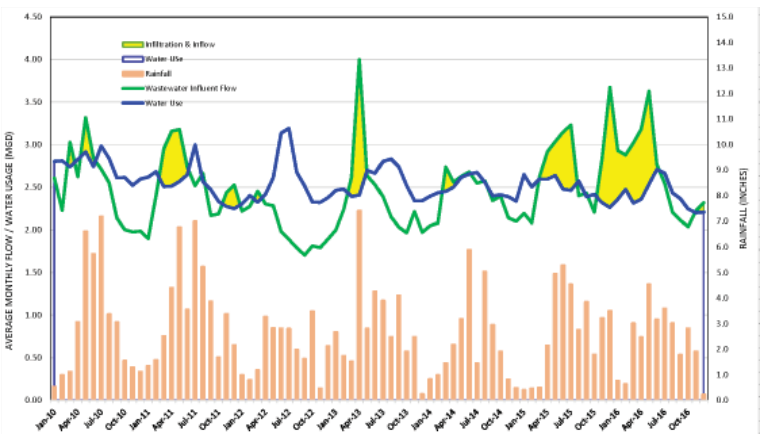
The Thorn Creek Basin Sanitary District (TCBSD) approached CMT in January 2015 to conduct an assessment of their sanitary interceptor /trunk sewers; to provide value engineering recommendations for rehabilitation; and to provide a side by side review of a similar report prepared by another consulting firm. The previous study had recommended a substantial amount of rehabilitation work in a relatively short period of time. The TCBSD had not anticipated such a large expenditure and was seeking a second opinion as to whether the conditions of the sewer warrant the recommended depth and breadth of rehabilitation prior to undertaking such expenditure.

CMT reviewed inspection videos of all the interceptor / trunk sewers, and prepared detailed notes on each pipe segment. Recommendations for rehabilitation were developed for each pipe segment. CMT then prioritized the repair segments into separate tiers based upon the severity of the defects with consideration as to the pipe locations and risks of failure. A final report was presented to the TCBSD with rehabilitation recommendations, opinions of probable cost and prioritization for planning purposes.

CMT's conclusion was that additional sewer needed to be rehabilitated due to corrosion. The report confirmed for the District that the proposed expenditure of funds is warranted and brought to light the need for an asset management program to sustain their interceptor/trunk sewer system. CMT assisted TCBSD in obtaining a low-interest IEPA loan, design plans and construction administration.



The village's wastewater treatment plant, originally constructed in 1957, has been expanded several times.



Maintenance programs that target reduction of inflow and infiltration (I&I), and reduce risks of overflow have been identified by the village.

CMOM Program

Village of Carpentersville, IL

Year Complete
2017

Reference
Joe Egler
Wastewater Superintendent
1200 LW Besinger Drive
Carpentersville, IL 60110
847-551-3490
jegler@cville.org

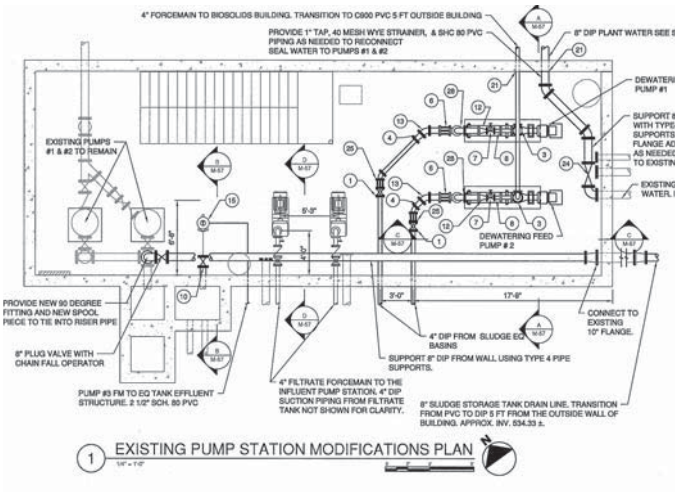
The Village of Carpentersville's NPDES permit requirements necessitated the development of a Capacity, Management, Operation and Maintenance (CMOM) program. The goal of this program was to achieve no discharges from sanitary sewer overflows or basement backups, and ensuring that overflows or backups, when they do occur, do not cause or contribute to violations of applicable standards or cause impairment in any adjacent receiving water.

The village hired CMT in January 2017 to develop the CMOM program, which was due to the IEPA by Feb 28, 2017. CMT met with the village's Assistant Director of Public Works, Superintendent of Construction Maintenance Division and Superintendent of the Wastewater Division to obtain as much information as possible about the existing system in place. Detailed reviews of the existing facility plans, procedures, policies, operational and maintenance activities and other resources were made. Concerns were identified and brought to the village's attention to be rectified.

An assessment of the village's management program was conducted. The village's organizational structure, key individual responsibilities, training and safety procedures was documented. Further, means of communication among staff members and general public, the village's existing municipal code and legal authority were reviewed.

An analysis of the village's collection system operation was completed and their current maintenance activities, available tools, reporting and record keeping procedures were documented. The capacity of the collection system was assessed and recommendations were made to determine inflow and infiltration (I&I) issues. CMT provided recommendations to ensure proper documentation of O&M activities and identify conditions that require attention.

CMT helped develop a consolidated program to demonstrate to the regulatory authorities and the general public that the village is committed to provide a high level of service while complying with applicable standards.



Plans for modifications to one of the existing pump stations.



The secondary service pump stations are part of the Sugar Creek Wastewater Treatment Plant Rehabilitation project.

Secondary Service Pump Stations

Sangamon County Water Reclamation District, Springfield, IL

Year Complete
2017

Reference
Gregg Humphrey
Director/Engineer
3017 N. 8th Street
Springfield, IL 62702
217-528-0491
gshumphrey@scwrd.org

The Sangamon County Water Reclamation District retained the services of CMT to upgrade a facility that had not had any major upgrades since it came online in the early 1970s. Our responsibilities included evaluation of the existing plant, facility planning, design and construction observation. This project included the design and construction of multiple secondary service pump stations.

- **New Secondary Clarifier Drain Pump Station** - Included new 8-foot diameter, 33-foot deep pump station with one 1,750 gallon/minute submersible pump, discharge piping, valves and SCADA based control panel to drain four secondary clarifiers.
- **Existing CSO Clarifier Pump Station Upgrade** – Included retrofit of existing 8-foot diameter, 27-foot deep wetwell, and valve vault with new one 1,090 gallon/minute submersible pump, discharge piping and valves.
- **Sludge Farm Pump Station Upgrade** – Included retrofit of existing 7-foot diameter, 24-foot deep pumping station with one new 350 gallon/minute submersible pump, 4-inch DIP discharge piping and valves and SCADA based control panel.
- **Activated Sludge Tank Drain Pump Station** – Included one 1,400 gallon/minute submersible pump in activated sludge tank and related discharge piping and valves.
- **Temporary Sludge Transfer Pump** – Included one 1,000 gallon/minute submersible pump and temporary piping to transfer sludge from one tank to another during plant start-up.
- **AST Building Pump Station** – Included one new 12 gallon/minute packaged grinder pump station with SCADA based controls to serve the building staff functions.
- **Scum Pump Station** - Included new 8-foot diameter, 17-foot deep wetwell, two 150 gallon/minute submersible chopper pumps, valve vault, DIP piping and discharge valves to pump scum to the scum processing screens.

DESIGN ENGINEERING -RELATED PROJECTS





The existing parking lot was modified to accommodate an expanded parking field.



Existing site and signage required updating.

Burr Ridge Park-n-Ride Parking Lot

Pace Bus

Year Complete
ongoing

Reference
Mark Youngquist
Civil Site Design Manager
550 W Algonquin Road
Arlington Heights, IL 60005
mark.youngquist@pacebus.com
847-228-2369

The existing Burr Ridge Park-n-Ride site is approximately 4.4 acres with parking stalls for 81 vehicles, in addition to a separate bus drop-off area and a bus shelter. Proposed project improvements includes expanding the parking lot to add 110 parking stalls; additional drainage, lighting, landscaping and site work; upgrading the existing ADA stalls to meet current requirements; and providing pavement and curb patching throughout the existing parking lot. Drainage improvements required permits in accordance with the Village of Burr Ridge and MWRDGC ordinances. Additional lighting includes upgrades to the existing fixtures to LEDs and installing conduits for future security systems. The additional landscaping includes updating the existing sign for the Park-n-Ride facilities. The site work includes replacing and adding bicycle racks and trash receptacles. A contingency item for a traffic study was added, which was based on requirements received from the village. The total project was contained within the existing 4.4 acres and no new land acquisition was required for the project.

GRADING

This project required the development of a grading plan that met the needs of the new facility while maintaining the integrity of the existing facility. CMT met the client's needs by preparing a grading plan that was consistent with the existing development grades and didn't require reworking of existing facilities.

DRAINAGE

In order to expand existing facilities, CMT reviewed the existing drainage system and calculations, including overflow routes, existing detention pond volumes and available storm sewer outlets. CMT developed a plan for the new improvements that would comply with the current stormwater requirements. The preliminary design report discussed required detention volume and required permits for rate control, volume control and water quality.

Downtown Roadway Lighting

City of Rockford, IL

SEVENTH STREET

CMT provided design engineering services including drainage, streetscape, traffic signals and electrical engineering services for the proposed improvements along Seventh Street between Charles Street and Sixth Avenue in midtown business district in Rockford, Illinois.

This project included various aspects of traffic signal analysis, including evaluation of existing intersections and traffic signals; evaluation of traffic count; traffic signal warrant analysis for six intersections; and removals of existing traffic signal equipment. The roadway lighting improvements included photometric analysis for business district area, sidewalk and intersections. Roadway lighting was designed utilizing City of Rockford's standard decorative poles for downtown area with banners, hanging planters and decorative LED luminaries. Illumination for roadways, sidewalks and intersections were in compliance with the IES RP-8-00 lighting requirements. Additionally, decorative concrete with bump-outs were designed to complement the new decorative lighting system.

CMT attended meetings with midtown business district, fire department and local residents to present three different concepts for roadway, traffic signals and lighting improvements. CMT worked closely with the City of Rockford and stakeholders to seek approval, including project budget, lighting layout, traffic signals and bump-outs.

MAIN STREET

CMT provided electrical engineering services for the proposed improvements along IL Route 2 (Main Street) between Harrison Avenue and Cedar Street in downtown Rockford.

This project involved roadway reconstruction designed by two other civil engineering firms with CMT designing the new lighting and electrical work between the project limits. The electrical work included under the contract includes new service drops, new lighting controllers to provide service to new roadway lighting, and underpass lighting. Close coordination between CMT and two other engineering firms was necessary to coordinate underground utility locations, the locations of existing intersection lighting and existing structures along IL Route 2. The roadway lighting consists of decorative 400W metal halide roadway fixtures that are consistent with existing City of Rockford standard lighting. The underpass lighting consists of 70W Metal Halide underpass fixtures to provide illumination of the roadway per RP-8 standards.



Completed Seventh Street improvements included decorative historic-style lamp posts and signage.

Year Complete
2016

Reference
Timothy Hinkens
Assistant Traffic Engineer
425 E. State Street
Rockford, IL 61104
timothy.hinkens@rockfordil.gov
779-348-7300

ELGIN
THE CITY IN THE SUBURBS

Inspector's Daily Report

CMT

Date 9/12/17
Contractor or Sub.
Weather 77°F / Sunny

	Initial(s)	Date
Inspected by:	MM	9/12/17
Measured by:	MM	9/12/17
Calculated by:	MM	9/12/17
Checked by:	BEO	9/13/17

Project 2017 Street Resurfacing – Southwest Project
Project Location
Bid No. 17-032

Item Code #	Fund Code (Opt.)	Item	Location	Quantity and Units	Evidence of Material Inspection (Optional)	Posted in Q Book
1		STR. ADJUST WITH NEW FRAME & LID	6	15 EACH	MAN. CERT, CATALOG CUTS	
2		STR. RECONSTRUCT WITH NEW FRAME & LID	6	1 EACH	MAN. CERT, CATALOG CUTS	
3		WATER TOPPLES TO BE ADJUSTED	6	1 EACH	MAN. CERT, CATALOG CUTS	

This is: ☐ an estimated progress measurement (item no.:)
☑ a final field measurement (item no.: 1, 2, 3)

Remarks: (e.g., instruction to Contractor, special problems, sketches with dimensions for final measurements, computations, number of persons working, hours worked) Use reverse side, if needed.

CMT's Resident Engineer's daily reports documented quantities installed by the contractor.



Roadway resurfacing.

2017 Street Resurfacing

City of Elgin, IL

Year Complete
2017

Reference
Joe Evers
City Engineer
1900 Holmes Road
Elgin, IL 60123
evers_j@cityofelgin.org
847-931-5958

CMT has been serving the City of Elgin on a variety of drainage and roadway projects for more than 20 years. CMT was recently hired by the city to assist them with their 2017 Street Resurfacing Project. The project consists of assessing and repairing 55,000 feet (10 miles) of existing roadways. The $4 million improvement project includes the determination of existing pavement thickness on minor neighborhood streets and major arterials with the city. Streets below the minimum pavement thickness are being brought up to minimum standards.

The city provided a list of streets and other areas that required resurfacing. CMT served as Elgin's representative for the design and administration of the planning for the project, effectively serving as an extension of the city's staff.

CMT's design staff performed site visits to evaluate the identified areas. The investigations included observing pavement conditions and inspecting drainage and sewer manholes, water valve vaults, electrical vaults and other utility structures to determine the types and methods of repair, or needed adjustments. Areas were video recorded to develop a record of the conditions of private property abutting the roadway areas. A geotechnical investigation was undertaken to determine, in certain areas, the type and depth of pavements to be removed.

Based upon the field visits and data collection, CMT developed bid documents including project specifications, plans, details and an opinion of cost. To assist the city in meeting its budget obligations, several alternative bid sections were included in the bid that would allow the city to adjust the contractor's scope of work to match the funds available.

CMT worked closely with city staff to coordinating meetings with other city agencies and to inform affected residents and businesses of the upcoming project. CMT assisted the city to address questions from prospective bidders and tabulate bid results.

CMT provided resident engineering services during construction. Services included material certification in conjunction with a material testing firm, documentation of quantities, preparing pay requests and preparing the final balancing change order. The project, although funded with local funds, was documented in general conformance with IDOT local agency projects.



Electrical ducts being installed adjacent to the newly-installed water main.



Thirty-six-inch water main and sludge line being installed along Cobb Boulevard.

Cobb Boulevard Utilities

Aqua Illinois, Kankakee, Illinois

Year Complete
ongoing

Reference
Keith Mulholland, PE
Regional Engineer
1000 S. Schuyler Ave
Kankakee, IL 60901
kmulholland@aquaamerica.com
815-614-2063

Aqua Illinois (Aqua) operates the Kankakee Water Treatment Plant, which is located adjacent to the Kankakee River in Kankakee, Illinois. The plant was originally constructed in the 1930s and resides within in a tree-lined, residential neighborhood. The water treatment plant is rated at 22 MGD. Future additional phases will result in four new clarifiers that will provide an ultimate capacity of 50.68 MGD. The construction of the first phase of the plant is proposed to be completed in late 2017.

Aqua turned to CMT to assist them with designing the expansion plans. A new 36-inch ductile iron raw water line will convey the raw river water from the intake pump station located on the west side of the plant to the head of the new treatment train on the east side. The challenge was that the main plant building abuts the edge of the river, and there was little room available for the new main on the other side of the treatment plant property. In addition to the new raw water line, a second water line was needed to return the sludge water from the clarifier, along with a new multi-way electrical duct bank.

Since utilities need to be constructed within a limited amount of space, and near several existing utilities, additional surveys were required. To supplement the field surveys, utility records were requested from the utility owners. Combining these two pieces of information proved to be a key to setting the alignment of the 36-inch raw water line, 12-inch sludge water return line and 9-way duct bank. Each of these utilities would cross not only each other but also the existing utilities. CMT worked with Aqua to arrange subsurface investigations (potholes) to verify location and elevations of the existing utilities.

Aqua requested that a separate bid package be developed for the Cobb Boulevard utilities to allow local contractors the opportunity to bid as prime contractors on the work. This required the utility design team to closely coordinate with the design team working on the water treatment components. A separate IEPA permit to construct was prepared and received for the project. Erosion control plans and restoration plans were incorporated into the design drawings.





Existing conditions at the intersection.

Year Complete
ongoing

Reference
Rahat Bari
City Engineer
100 N Island Avenue
Batavia, IL 60510
630-454-2000

Deerpath Road at Main Street Intersection Improvements

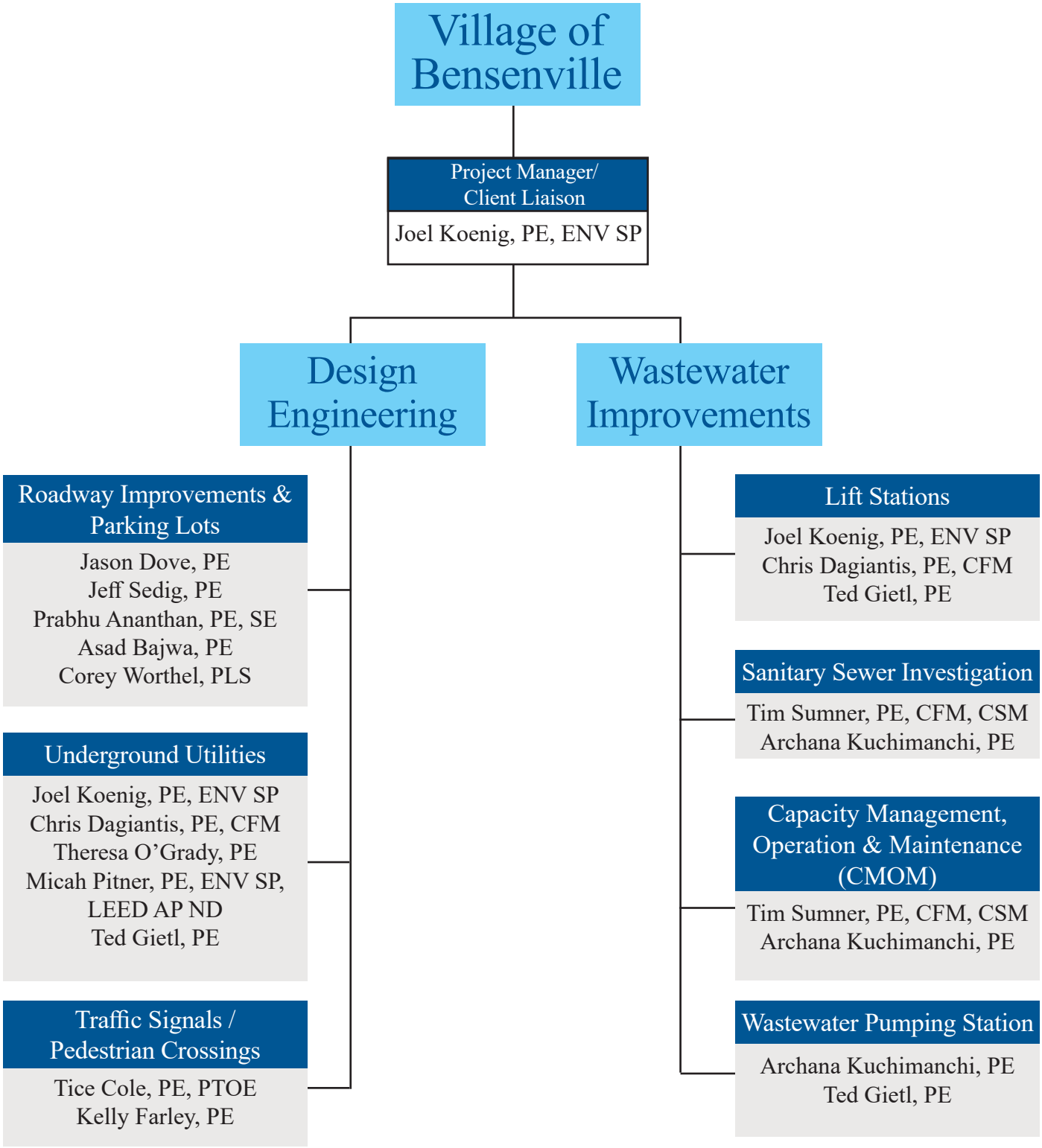
City of Batavia, IL

CMT is providing Phase II engineering services for improvements to the intersection of Deerpath Road and Main Street in the City of Batavia. The project is a joint effort between the Kane County Division of Transportation and the City of Batavia. CMT will prepare a bid set for construction for the intersection.

The existing intersection is a two-way stop on Deerpath Road with free flow on Main Street. Deerpath is a single lane in the northbound and southbound directions, which will be widen to two lanes (a through/ turn lane and a dedicated turn lane). Main Street is scheduled to be widened to 3-lane cross section with an additional right turn lane in each direction for the project limits. CMT engineers are working with the city and KDOT to upgrade the intersection while minimizing impacts to the adjacent property owners. Right-of-way acquisition is included as part of the project and will follow Illinois Department of Transportation (IDOT) protocols for acquiring additional right-of-way. The final intersection will be signalized per IDOT District 1 Traffic Signal requirements as well as having emergency vehicle preemption for each leg of the intersection.

Additionally, as part of the city's bike path plan, the intersection will have a bike path on the south side of the intersection to connect with the bike path to the east on Main Street as well as the bike path to the south on the east side of Deerpath Road. The bike path to the north and west of the intersection will connect to future projects not scheduled for construction at this time. The overall construction of the project will be overseen by IDOT; therefore, the design and bid set will follow IDOT procedures and review processes.

Organizational Chart



Joel Koenig, PE, ENV SP

Project Manager, Utilities, Lift Stations



Years Experience: 33

Education:
BSCE, University of Iowa, 1984

Professional Registration:
Professional Engineer - IL, IN, FL

ISI Envision Sustainability Professional

IDOT Documentation of Contract Quantities

INDOT Certified Utility Coordinator

Professional Organizations:
Chairman ACEC-USACOE, Chicago Liaison Committee 2010 - 2013

Member National Diversity Committee, American Public Works Association, 2006-2009

Chairman - Zoning Board of Appeals for Hoffman Estates, IL, 2004-2007, member - 1995-2007

President Chicago Metropolitan Chapter of the American Public Works Association, 2005

Presentations:
Relocating a Large Diameter Pipeline in a Congested ROW, ASCE Pipelines Conference, 2017

Groundwater Recharge with Stormwater Management - A Sustainable Development; APWA National Conference - 2013

Supplemental Training:
Stormwater, NPDES Phase II – ASCE, 2001

Designing Wastewater Pumping Systems - Univ. of Wisc., 2004

Design of Erosion Control Systems – Erosion Management Consultants, 2004

Win-TR-20- ASCE, 2006

Joel has more than 30 years of experience providing water, wastewater and street rehabilitation and development services to Chicago-area agencies and communities including the communities of Aurora, Chicago, Crystal Lake, Lockport, Naperville, Plainfield, University Park and others.

Aqua Illinois, Kankakee, IL

Kankakee Water Treatment Plant Expansion & Cobb Blvd Utilities

Civil-Site Project Lead Engineer for the design and permitting of a new 36-inch raw water line and other site improvements, including site grading and drainage. Project included the design and conversion of the existing split treatment surface water lime softening Kankakee water treatment plant into a single-stage surface water lime softening facility. The conversion was implemented by using new helical upflow solids contact clarifiers with a capacity of 12.67 MGD each. In addition to the process conversion, the project was unique for its fast track schedule, compact site, increased capacity and full revit modeling.

Thorn Creek Basin Sanitary District

Pipe Rehabilitation

Project Engineer assisting with the design and permitting of the rehabilitation of the District's interceptor sewers using cured-in-place pipe. Designed permit plans for by-pass pumping routing across IDOT and county roadways. The project included the rehabilitation of more than 13,000 lineal feet of sewers ranging in size from 24 to 48 inches. CMT prepared the plans, specifications and bidding documents in order to be compliant with IEPA revolving loan fund eligibility.

City of Crystal Lake, IL

Lift Station No. 9

Project Manager for the reconstruction of the city's existing Lift Station No. 9. Evaluated existing hydraulic conditions, developed a technical memorandum addressing key issues including I&I impacts on the station, environmental issues including lead base paint and asbestos on the rehabilitation of the service building and upgrade of the electrical and SCADA systems. The project also includes the replacement of the failing forcemain. Permitting includes an IDOT permit for the work in the state highway and an IEPA permit to construct the new lift station.

City of Naperville, IL

North Force Main Replacement

Project Manager responsible for permitting for the replacement of a 24-inch force main. The force main replacement crossed and paralleled the West Branch of the DuPage River and also crossed the BNSF railroad. Due to poor soils the river was crossed using a phased open excavation and the use of temporary coffer dams. A permit to cross the river was required from the county. A wetland restoration plan was developed for this crossing. Additionally a permit was obtained from the BNSF Railroad to cross their tracks and right-of-way.

Water Mains, Sanitary Sewers and Underground Electrical Duct Banks

Project Manager for the design of more than 30 miles of water mains, sanitary sewers and underground electrical duct banks throughout the city of Naperville for the Department of Public Utilities. Projects were constructed within various environments from the downtown business district to residential neighborhoods and park lands. Developed permit applications for various utility crossings of roadways, railroad right-of-ways, and floodways/floodplains including several crossings of the West Branch of the DuPage River and associated permitting with the DuPage County Department of Environmental Concerns.

Forest Preserve District of Cook County, IL

Comfort Stations

Project Manager for the site design, utility extensions and permitting for 14 comfort facilities located at various forest preserves. Permitting included permits for water and sewer extensions with local communities, IEPA and the MWRDGC. Highway permitting was required with Cook County and IDOT.

Chris Dagiantis, PE, CFM

Lift Stations, Utilities



Years Experience: 23

Education:
BSCE, University of Illinois, 1994

Professional Registration:
Professional Engineer - IL
Certified Floodplain Manager
Kane County-Qualified Engineer Review Specialist

Professional Organizations:
Illinois Association for Floodplain and Stormwater Management

Software Proficiency:
HEC-RAS
HEC-HMS
TR-20
FEQ
XP-SWMM
AutoCAD/Civil3D
HydroCAD
CulvertMaster

Chris specializes in drainage and hydraulics and has worked on many design and construction projects that have included storm sewers, grading and detention modifications. He is a Certified Floodplain Manager with experience with complex hydraulic modeling.

Aqua Illinois, Kankakee, IL

Kankakee Water Treatment Plant Expansion & Cobb Blvd Utilities
Project Engineer responsible for drainage and floodway permitting. Project included the design and conversion of the existing split treatment surface water lime softening Kankakee water treatment plant into a single-stage surface water lime softening facility. The conversion was implemented by using new helical upflow solids contact clarifiers with a capacity of 12.67 MGD each. In addition to the process conversion, the project was unique for its fast track schedule, compact site, increased capacity and full Revit modeling.

Village of Bartlett, IL

Country Creek Lift Station
Project Manager responsible for plans, specifications, cost estimate, IEPA permitting and bidding assistance to convert the existing wet well/dry well pump station that had flooded, and had pumps that are more than 40 feet deep. The conversion retrofitted the wet well into a submersible lift station, having two pumps rated at 600 gpm. Plans included bypass pumping of the 8-inch diameter force main, rehabilitating the 6-foot-diameter wet well with a spray liner and new electrical connections.

Village of Bloomingdale, IL

Water Main Improvements
Project Manager for the design of 4,600 lineal feet of new 12-inch PVC water main along Army Trail Road, Walter Drive, Byron Avenue and Medinah Road.

City of Elgin, IL

Stormwater Reviews
Project Manager for stormwater reviews in various developments checking for compliance with the local ordinance, the Kane County Stormwater ordinance and all other development regulations.

Fermilab, Batavia, IL

Utilities Upgrade Project
Drainage/Flood Control Engineer for the conceptual and final design of proposed improvements to the Industrial Cooling Water System including pump stations, water mains and drainage improvements.

City of Rockford, IL

East State Street Water Main Relocation
Project Manager for the design and relocation of 1,400 feet of 12- and 8-inch water main. Coordination is required between Rockford, IDOT and an IDOT consultant for utility coordination, right-of-way, traffic control, maintenance of traffic and restoration.

2011 Water Main Improvements
Project Manager for the design of 1,030 lineal feet of 8-inch diameter water main and 1,815 lineal feet of 16-inch diameter water main.

Airport Boundary Water Main
Project Engineer for the design and permitting of 20,600 lineal feet of 16-inch diameter water main around the Chicago Rockford International Airport.

City of Naperville, IL

North Force Main Replacement
Project Engineer responsible for permitting for the replacement of a 24-inch force main. The force main replacement crossed and paralleled the West Branch of the DuPage River and also crossed the BNSF railroad. Additionally the intended route took the force main replacement through several sensitive wetland areas and a park. Restoration plans were prepared and permits were received from several agencies including the DuPage County Department of Environmental Concerns.

Utility Improvements
Project Engineer for the addition and replacement of water mains, sanitary sewer and electrical ductbanks throughout the city.



Years Experience: 21

Education:
University of Florida, B.S. Environmental Engineering, 1996

Registrations:
Professional Engineer - Illinois

Continuing Education:
WEF - Odors and VOC Emissions

Wastewater Treatment with Constructed Wetlands and Advanced Integrated Wastewater Pond Systems

OSHA 8-Hour Confined Space Training

Memberships:
Mid-Central Water Pollution Control Operators Association

Illinois Water Environment Association

Ted Gietl, PE

Lift Stations, Wastewater Pumping Stations, Utilities

Ted has been with CMT since 1996 and has completed a variety of environmental projects including design of constructed wetlands, environmental study of river ecosystems, wastewater treatment plant process mechanical design, odor studies of sanitary sewer systems, facilities planning and design of wastewater collection, pumping and treatment systems.

Village of Bartlett, IL

Country Creek Lift Station

Pump Engineer for converting the existing wet well/dry well pump station that had flooded, and had pumps that are more than 40 feet deep. The conversion retrofitted the wet well into a submersible lift station, having two pumps rated at 600 gpm. Plans included bypass pumping of the 8-inch diameter force main, rehabilitating the 6-foot-diameter wet well with a spray liner and new electrical connections.

City of Litchfield, IL

Crestwood Pump Station Upgrade

Project Engineer for design, plans and specifications for the Crestwood pumping station upgrade.

Douglas Ave Pump Station Upgrade

Project Engineer for design, plans and specifications for pump upgrade and control panel replacement for the Douglas Avenue pump station upgrade.

Columbian and Weir Sanitary Sewer

Project Engineer for design, plans and specifications for Columbian and Weir sanitary sewer 1,940-foot replacement.

Hudson Drive Sanitary Sewer

Project Engineer for design, plans and specifications for 730-foot Hudson Drive sanitary sewer extension.

Village of Rochester, IL

Southeast Regional Lift Station

Project Engineer for preliminary engineering, design engineering and construction observation to construct a new sewage lift station that will serve undeveloped land near Village Hall. CMT prepared the design, bidding and contracting documents and technical specifications that supported the application for permit to the IEPA. Work included a wet well, valve vault, meter vault, standby generator, controls and standby generator for the 350 gpm lift station. To attract development, a sanitary sewer extension, bored and jacked under the adjacent roadway, was also a part of the contract.

Sangamon County Water Reclamation District, IL

Secondary Service Pump Stations

New Secondary Clarifier Drain Pump Station - Included new 8-foot-diameter, 33-foot-deep pump station with one 1,750 gallon/minute submersible pump, discharge piping, valves and SCADA based control panel to drain four secondary clarifiers.

Existing CSO Clarifier Pump Station Upgrade – Included retrofit of existing 8-foot-diameter, 27-foot-deep wetwell, and valve vault with new 1,090 gallon/minute submersible pump, discharge piping and valves.

Sludge Farm Pump Station Upgrade – Included retrofit of existing 7-foot-diameter, 24-foot-deep pumping station with one new 350 gallon/minute submersible pump, 4-inch-DIP discharge piping and valves and SCADA based control panel.

Activated Sludge Tank Drain Pump Station – Included one 1,400 gallon/minute submersible pump in activated sludge tank and related discharge piping and valves.

Temporary Sludge Transfer Pump – Included one 1,000 gallon/minute submersible pump and temporary piping to transfer sludge from one tank to another during plant start-up.

AST Building Pump Station – Included one new 12 gallon/minute packaged grinder pump station with SCADA based controls to serve the building staff functions.

Scum Pump Station - Included new 8-foot-diameter, 17-foot-deep wetwell, two 150 gallon/minute submersible chopper pumps, valve vault, DIP piping and discharge valves to pump scum to the scum processing screens.

Timothy Sumner, PE, CFM, CSM

Sanitary Sewer Investigation, CMOM



Years Experience: 25

Education:
Bradley University, BSCE, 1991

Registration:
Professional Engineer - Illinois, Indiana

Certified Floodplain Manager - Illinois Association for Floodplain and Stormwater Management

Certified Stormwater Manager

American Public Works Association

Tim has experience in hydrologic and hydraulic planning and design summaries, sanitary sewer investigation and rehabilitation, plans, specifications and permit applications for infrastructure improvements. He has extensive experience and technical training relating to various computer modeling software programs, including HEC-1, HEC-2, HEC-RAS, HEC-HMS, XP-SWMM, WSPRO and ILLUDAS.

Village of Carpentersville, IL

CMOM Program

Project Manager for the development of a Capacity, Management, Operation and Maintenance (CMOM) program. The goal of this program was to achieve no discharges from sanitary sewer overflows or basement backups, and ensuring that overflows or backups, when they do occur, do not cause or contribute to violations of applicable standards or cause impairment in any adjacent receiving water.

Thorn Creek Basin Sanitary District

Pipe Rehabilitation

Project Manager responsible for leading a team to evaluate sewer inspection videos of all district sewers and develop a plan to rehabilitate the most critical sewers using cured-in-place pipe. Plans and bidding documents were completed in 2016. District awaiting IEPA approval to bid. Construction value is estimated to be $3.6 million.

City of Litchfield, IL

Crestwood Pump Station Upgrade

Project Manager for design, plans and specifications for the Crestwood pumping station upgrade.

Douglas Ave Pump Station Upgrade

Project Manager for design, plans and specifications for pump upgrade and control panel replacement for the Douglas Avenue pump station upgrade.

Columbian and Weir Sanitary Sewer

Project Manager for design, plans and specifications for Columbian and Weir sanitary sewer 1,940-foot replacement.

Hudson Drive Sanitary Sewer

Project Manager for design, plans and specifications for 730-foot Hudson Drive sanitary sewer extension.

Village of Rochester, IL

Southeast Regional Lift Station

Project Manager for preliminary engineering, design engineering and construction observation to construct a new sewage lift station that will serve undeveloped land near Village Hall. CMT prepared the design, bidding and contracting documents and technical specifications that supported the application for permit to the IEPA. Work includes a wet well, valve vault, meter vault, standby generator, controls and standby generator for the 350 gpm lift station. To attract development, a sanitary sewer extension, bored and jacked under the adjacent roadway, is also a part of the contract.

City of Springfield, IL

Various Sanitary Sewer Evaluation

Project Manager for the Northeast Area Sanitary Sewer Alternatives Analysis. Plan prepared and submitted to USEPA to eliminate SSO for the northeast part of Springfield with an estimated project cost of $43 million.

Prepared a sustainable sewer system asset management program for the city's sewer division. Using current sewer system information from the city's GIS, CMT prepared an asset management program to identify the revenue needed to provide an adequate level of funding to sustain the maintenance, repair and replacement of the sewer system.

Prepared a comprehensive sewer investigation for the northeast area improvement program, including 18,000 feet of sewer and numerous manholes.

Phase I sanitary sewer investigation for the Pasfield Park, Ridgely Park, Grandview and Northeast sewer districts; and the Timberlane, Forest Park, Glen Aire and Franklin Park subdivisions. Project included televised sewer inspection, manhole inspection, smoke testing, flow monitoring, sewer rehabilitation and upsizing evaluation, manhole rehabilitation evaluation, project cost estimates, and summary report.

Design Engineer and construction observation of the Knox Knolls sanitary sewer replacement and pipe bursting project.

Sai Archana Kuchimanchi, PE

CMOM, Wastewater Pumping Station



Years Experience: 9

Education:
MS Environmental Engineering, Illinois Institute of Technology, 2006

BSCE,Veermata Jijabai Technological Institute, Mumbai, India, 2004

Professional Registration:
Professional Engineer - IL, MI

Professional Organizations:
Illinois Water Environment Association

American Public Works Association

Central States Water Environment Association

Awards:
IWEA Outstanding Young Professional Award - 2016

Archana has been with CMT since 2014 as a Senior Water Resources Engineer. She has experience in diverse wastewater plant infrastructure design and construction services, including primary and secondary treatment facilities and hydraulics.

Village of Carpentersville, IL

CMOM Program

Project Engineer for the development of a Capacity, Management, Operation and Maintenance (CMOM) program. The goal of this program was to achieve no discharges from sanitary sewer overflows or basement backups, and ensuring that overflows or backups, when they do occur, do not cause or contribute to violations of applicable standards or cause impairment in any adjacent receiving water.

Thorn Creek Basin Sanitary District

Pipe Rehabilitation

Project Engineer for trunk sewer rehabilitation design. Responsible for design of cured-in-place pipe lining thickness and bypass pumping plan to rehabilitate approximately 14,000 feet of trunk sewer ranging in size from 18- to 48-inch diameter. Construction value is estimated to be $3.6 million.

Fermilab, Batavia, IL

Far Detector Building Site Work

Project Manager for the site design for the Far Detector Building, which includes new grading, stormwater drainage, storm sewer, sanitary sewer, electrical, natural gas and non-potable and potable water utilities. Design accounted for existing wetlands at the project site to avoid encroaching upon it. Design also included protection and support of existing utilities that could not be disturbed. Responsible for preparing plans, specifications and providing office services during construction.

Near Detector Building Site Work

Project Manager for the site design for the Near Detector Building, which included new grading, stormwater drainage, storm sewer, electrical and non-potable water utilities. Responsible for preparing plans, specifications and providing office services during construction.

Fox River Study Group, IL

BNR Technology Report and Basic Costs

Assist primary consultant in developing a report that would serve as a resource on nutrient removal technologies and their implementation costs for the Fox River watershed in Illinois. Responsibilities include conducting a survey of the wastewater reclamation facilities (WWRF); analyzing the characteristics of each WWRF to determine the best process for it to meet phosphorus removal standards; and developing costs for the recommended option.

City of St. Charles, IL

Force Main Condition Assessment

Project Engineer responsible for evaluating cause of failure of an 8-inch ductile iron sanitary force main. Study involved evaluating existing data on the force main, understand gas and electric utilities in the area of work, taking soil samples and checking soil corrosive properties. Project involved preparing a report with recommended rehabilitation methods to avoid future failures.

Reservoir Repair Project

Resident Design Engineer responsible for assisting with identifying the cause of reservoir leakage and provided field observation services for the repair and epoxy sealing of the identified cracks.

City of Liberty, MO

Biowin Modeling

Project Engineer for modeling the Liberty WWTP at current and projected future flows to study the phosphorus and nitrogen effluent limits using the Biowin modeling program. Model included the Ovivo Carousal design in lieu of a standard activated sludge process. Tasks included analysis of effluent characteristics and operational requirements at plant start up, average flows and wet weather conditions.

Micah Pitner, PE, LEED AP ND, ENV SP

CMOM, Utilities



Years Experience: 9

Education:
BSCE, University of Illinois at Urbana-Champaign, 2008

Professional Registration:
Professional Engineer - IL

LEED Accredited Professional with a Neighborhood Development specialty

ISI Envision Sustainability Professional

Professional Organizations:
Water Environmental Federation

Central States Water Environmental Association

Fox Valley Operators Association

Computer Skills:
AutoCAD

AutoCAD Civil 3D

WaterGEMS

ArcGIS

HEC-RAS

MicroStation

Micah has served as Project Engineer and Resident Engineer for water, wastewater and stormwater projects with CMT since 2009.

Village of Carpentersville, IL

CMOM Program

Project Engineer for the development of a Capacity, Management, Operation and Maintenance (CMOM) program. The goal of this program was to achieve no discharges from sanitary sewer overflows or basement backups, and ensuring that overflows or backups, when they do occur, do not cause or contribute to violations of applicable standards or cause impairment in any adjacent receiving water.

Fermilab, Batavia, IL

Utilities Upgrade Project

Project Engineer for the conceptual, preliminary and final design and construction of proposed improvements to the Industrial Cooling Water (ICW) system including pump stations, water mains, lake and pond improvements and drainage improvements.

ICW Backbone Piping

Design Engineer and project coordinator for the modeling and design of approximately 22,500 lineal feet of new PVC and HDPE piping PVC and HDPE piping in the following pipe lengths and diameters: 3,000 lineal feet of 30-inch water main, 600 lineal feet of 24-inch water main, 2,400 lineal feet of 20-inch water main, 1,300 lineal feet of 12-inch water main, 600 lineal feet of 10-inch water main and 3,000 feet of 6-inch water main. Preliminary project design included modeling several scenarios in an 813-pipe system to determine most effective improvements to the existing system to meet current and future demands and fire flow goals. Design included pressure and gravity flow piping, open cut and horizontal directional drill installation.

Sitewide DWS Improvements

Project Engineer for design improvements to the Fermilab Domestic Water Supply (DWS) system, which provides potable water to meet the needs of the campus. These improvements will replace a portion of the existing system in order to maintain reliable water supply to the campus, particularly Road A corridor, which houses several laboratories and service buildings. This project included design of approximately 6,200 lineal feet of 4-inch PVC water main via open cut and directional drilling methods.

NSMJAWA/Hoffman Estates, IL

Barrington/I-90 Interchange Water Main

Project Engineer for the relocation of the Northwest Suburban Municipal Joint Action Water Agency (NSMJAWA) transmission line that conflicted with the widening of the new interchange improvements. Project included the design and permitting of 3,500 lineal feet of 30-inch water main prestressed concrete cylinder pipe (PCCP).

Illinois Tollway, IL

I-90 Road Widening

Project Engineer for the relocation of the NSMJAWA transmission main that conflicted with the widening of the Jane Addams Memorial Tollway. Project included 4,900 lineal feet of 16-inch prestressed concrete cylinder pipe (PCCP) and 1,100 lineal feet of 60-inch PCCP water main.

City of Rockford, IL

Water Main Improvements

Project Engineer for the design of 1,030 lineal feet of 8-inch diameter water main and 1,815 lineal feet of 16-inch diameter water main.

Village of Bloomingdale, IL

Cardinal Drive and Oriole Street Water Main Replacement

Project Engineer for the replacement of approximately 3,500 lineal feet of 8-inch diameter PVC water main.

2009 Water Main Improvements

Project Engineer for design of 2,300 linear feet of 8-inch water main to replace the existing 6-inch water main.

Theresa O'Grady, PE
Utilities



Years Experience: 23

Education:
BSCE, University of Illinois, 1994

Professional Registration:
Professional Engineer - IL

Professional Organizations:
Mid-Central Water Works Association

American Water Works Association (Director, 2017-2020)

Illinois Section American Water Works Association (President, 2014-2015)

Technical Presentations:
"Construction Observation 101" - ISAWWA WATERCON2016 and APWA Chicago Metro 2016 Conference

"Pipe Materials - An Engineer's Perspective" - ISAWWA WATERCON2016

"Hydraulic Modeling and the Implementation of a Water Main Flushing Program" -ISAWWA/IWEA WATERCON 2015

"The Development and Use of GIS Mapping for Efficient Development of Hydraulic Models Using WaterGEMS" - ISAWWA/IWEA Conference, March 2009

"Completion of an Initial Distribution System Evaluation Using the System Specific Study Hydraulic Modeling Approach" - Stage 2 DBPR and LT2 ESWTR Regulations and Solutions Seminar, October 2006; INAWWA Conference, February 2007; ILAWWA Conference, March 2007; MOAWWA Conference, March 2007

Theresa is Manager of the Water Resources Group for CMT's Aurora office. Theresa started with CMT in 1994 specializing in hydraulics and hydrology. She has served as Project Manager for several multi-million dollar water improvement programs in communities such as Aurora, Park Ridge and West Chicago, Illinois.

Aqua Illinois, Kankakee, IL
Kankakee Water Treatment Plant Expansion & Cobb Blvd Utilities
Project Manager, Technical Advisor and Client Liaison for the design and construction of several components of the WTP Improvement Program, which included the WTP Improvements Project which added 12.67 MGD capacity to the existing WTP, five pre-procurement equipment packages and seven "local contractor" projects. The "local contractor" projects included raw water supply main, raw water vault, CO2 tank and feed system replacement, filter valve and actuator replacements, structural supports in the 240-foot clarifier, structural improvements in Mixing Basin No. 1 and ammonia system improvements. Overall program construction cost is estimated at $20 million. Program was broken down into smaller packages ("Local contractor" projects) to expedite spending in 2016 and complete the construction by November 1, 2017.

NSMJAWA/Hoffman Estates, IL
Barrington/I-90 Interchange Water Main
Technical Advisor for the relocation of the Northwest Suburban Municipal Joint Action Water Agency (NSMJAWA) transmission line that conflicted with the widening of the new interchange improvements. Project included the design and permitting of 3,500 lineal feet of 30-inch water main prestressed concrete cylinder pipe (PCCP).

Illinois Tollway, IL
I-90 Road Widening
Technical Advisor for the relocation of the NSMJAWA transmission main that conflicted with the widening of the Jane Addams Memorial Tollway. Project included 4,900 lineal feet of 16-inch prestressed concrete cylinder pipe (PCCP) and 1,100 lineal feet of 60-inch PCCP water main.

Fermilab, Batavia, IL
Utilities Upgrade Project
Project Manager for the conceptual, preliminary and final design and construction of proposed improvements to the Industrial Cooling Water (ICW) system including pump stations, water mains, lake and pond improvements and drainage improvements. Project included the following water distribution system pipe lengths and diameters: 3,000 lineal feet of 30-inch water main, 600 lineal feet of 24-inch water main, 2,400 lineal feet of 20-inch water main, 1,300 lineal feet of 12-inch water main, 600 lineal feet of 10-inch water main and 3,000 feet of 6-inch water main. Project also included the design of two pump stations, electrical room addition, drainage/culvert improvements and 35,000 cubic yards of dredging for three ponds.

Road A-1 Water Main
Technical Advisor for the design of 6,200 lineal feet of 4-inch PVC water main via open cut and directional drilling methods.

City of Aurora, IL
Phillips Park Water Tower Connection
Project Manager for the design and construction of approximately 300 lineal feet of 16-inch water main to connect the Phillips Park Elevated Tank to the distribution system to the east with minimal disruption to the 1.5 MG elevated tank.

West Side Transmission Main
Technical Advisor for the design and construction of 10,000 lineal feet of 24-inch transmission main along commercial and residential streets on the west side of the city.

Clearwell Water Main Improvements
Project Manager for the design and construction of the clearwell water main improvements at the water treatment plant. Project included 600 lineal feet of 24-inch and 36-inch water main.

Phillips Park, Plum and Farnsworth Water Mains
Project Manager for Phillips Park, Plum and Farnsworth water mains. The project included 5,100 lineal feet of 12-inch and 16-inch water main.

Jason Dove, PE

Roadway Improvements & Parking Lots



Years Experience: 21

Education:
MSCE, University of Illinois, 1996
BSCE, University of Illinois, 1995

Professional Registration:
Professional Engineer - IL

Professional Organizations:
American Railway Engineering and Maintenance-of-Way Association (AREMA), Associate Member, Committee 1, Sub 1 Vice Chair
Iowa Digital Design & Engineering Applications Group (IDDEA), Board Member
Illinois Bentley User Group (iBUG) founding Treasurer
ASCE

Certifications:
IDOT Construction/Materials Seminar

Jason has been with CMT since 2000 and has served as a surveyor, design engineer, resident engineer and project manager for transportation projects. He also functions as the MicroStation Specialist and assists in ProjectWise administration for the company.

Pace Bus

Burr Ridge Park-n-Ride
Project Manager for the expansion of the existing 4.4 acre, 81-stall parking lot to add 110 parking stalls. Improvements include additional drainage, lighting, landscape, site work and upgrades to the existing ADA stalls.

Pedestrian Underpasses for Pace BRT Lanes at Barrington Road and I-90
Project Manager for the design of Pace's pedestrian underpasses to link future park-n-ride and kiss-n-ride facilities to the bus stops being constructed adjacent to the I-90 mainline.

City of Batavia, IL

Deerpath Road at Main Street Intersection Improvements - Phase II
Project Manager for improvements to the intersection of Deerpath Road and Main Street. The existing intersection is a two-way stop on Deerpath Road with free flow on Main Street. Deerpath Road is a single lane, which will be widened to two lanes. Main Street is scheduled to be widened to a 3-lane cross section with an additional right turn lane in each direction.

City of Elgin, IL

2017 Street Resurfacing Program
Project Manager for the 2017 Street Resurfacing Program. Project includes 55,000 feet of resurfacing, with an estimated budget of $4 million.

City of Rockford, IL

South Main Street (Illinois Route 2) Roadway Lighting
Project Engineer for the lighting improvements along South Main Street from downtown Rockford to Harrison Avenue.

North Main Street (Illinois Route 2) Roadway Lighting
Project Engineer for the lighting improvements along North Main Street from Yonge Street to Benington Road.

Midtown Business District Roadway Lighting and Traffic Signal Improvements
Project Engineer for the lighting improvements along 7th Street in the Midtown Business District.

City of Joliet, IL

129th Infantry Drive
Resident Engineer for construction of 129th Infantry Drive. Project included erosion control, earth work, ground stabilization, drainage, road construction, pavement marking, signing, utility coordination and landscaping. Due to ground instability the subgrade required major rework. By redesigning the roadway profile and drainage, ground stabilization costs were reduced by $300,000.

Village of University Park, IL

Dralle Road Reconstruction and Widening
Design Engineer for the reconstruction and widening of Dralle Road in University Park. The project included earth work, drainage, storm sewers systems without detention basins, roadway design and geometrics, pavement marking, signing and landscaping.

Village of Hoffman Estates, IL

Pedestrian Overpass for Pace at Barrington Road and I-90 Interchange
Project Manager for the design of Pace's pedestrian overpass to link the bus stops on the north and south side of the I-90 mainline. This project is being led by Hoffman Estates with coordination between the village, Illinois Tollway and Pace. Project permitting took place with IEPA, MWRDGC and Cook County.

Barrington Road Interchange at Jane Addams Memorial Tollway (I-90)
Project Manager for the design of the interchange improvements of Barrington Road at I-90. The project involved upgrading the existing partial interchange and improvements along Barrington Road, including bike path and sidewalk improvements, intersection design, traffic signals with both temporary and permanent design, pavement marking and signing design, maintenance of traffic for various stages of construction at four intersections and land acquisition coordination with IDOT and Illinois Tollway.

Jeffery Sedig, PE

Roadway Improvements & Parking Lots



Years Experience: 13

Education:
BSCE, Bradley University, 2004

Professional Registration:
Professional Engineer - IL

Professional Organizations:
APWA

Supplemental Training:
Mastering the Transition from Technical Expert to Manager/ University of Wisconsin-Madison

Fundamentals of Geometric Design Workshop/Northwestern University Center for Public Safety

Highway Traffic Noise/FHWA National Highway Institute

Understanding Specifications/IDOT

Plan Format & Composition/ IDOT

Documentation of Contract Quantities/IDOT

Moving to MicroStation/ Bentley Institute

Geopak Training/Bentley Institute

With CMT since 2005, Jeff has served as Project Manager, Project Engineer and Resident Engineer for various highway design and construction projects.

Kane County Division of Transportation, IL

Longmeadow Parkway Section C – Phase I & II
Project Engineer for two miles of new roadway and a new river crossing bridge. Longmeadow Parkway is a new 5-mile corridor featuring four project sections; CMT is leading the largest of the four. Member of the corridor-wide value engineering team.

Huntley Road at Galligan Road Intersection Improvements – Phase II
Project Engineer for the Huntley Road at Galligan Road intersection improvements in Huntley, IL. The project includes adding eastbound and westbound left turn channelization to free-flowing Huntley Road and northbound left and right turn channelization to stop-controlled Galligan Road.

Plank Road Realignment – Phase II
Project Engineer for the preparation of contract plans and specifications and all project related permits for the reconstruction, widening and realignment of Plank Road in Burlington, IL. Also included in the project is the widening and reconstruction of Burlington Road, the construction of a signalized intersection at Burlington Road and Plank Road and the construction of a detention basin and other drainage improvements.

Fabyan Parkway and Randall Road Intersection Improvements – Phase II
Design Engineer for the preparation of contract plans and specifications and all project related permits for the reconstruction and widening of the Fabyan Parkway and Randall Road intersection. Responsibilities include intersection grading plans, vertical geometry design, pavement marking plans, signing plans, landscaping plans and erosion control plans.

McHenry County Division of Transportation, IL

Charles Road/Raffel Road Intersection Improvements – Phase I and II
Project Engineer for intersection improvements. This project requires the Phase I study of an existing intersection in order to establish the most effective intersection improvements. The project examines the transportation needs at the intersection to accommodate existing and future traffic needs. Some options considered include roundabout design, traffic signal control and stop control. Once a proposed intersection has been determined, Phase II plans will be prepared for construction.

Lake County Division of Transportation, IL

Washington Street Reconstruction and Widening – Phase II
Design Engineer for the preparation of contract plans and specifications and all project related permits for the proposed widening and reconstruction of Washington Street from Tri-State Parkway to Milwaukee Avenue.

Cedar Lake Road Widening and Reconstruction – Phase I and II
Project Engineer for Phase I and Project Manager for Phase II of the improvement of Cedar Lake between Illinois Route 120 and Nippersink Road consisting of widening and reconstructing an existing two-lane pavement to three lanes.

Cedar Lake Road Realignment – Phase I and II
Project Engineer for Phase I and Project Manager for Phase II of the realignment of Cedar Lake Road in downtown Round Lake between Nippersink Road and Hart Road. The realignment will stimulate sustainable growth and development in the village.

Cedar Lake Road at Monaville Road – Phase II
Design Engineer for intersection improvements to an intersection of two rural Lake County highways. Project included the design of a single-lane roundabout intersection as well as the reconstruction of both roadways through the intersection approaches. The project also included the addition of curb and gutter, enhanced pedestrian accommodations and drainage improvements.

Tice Cole, PE, PTOE

Traffic Signals/Pedestrian Crossings



Tice has been with CMT since 2007. He is a certified Professional Traffic Operations Engineer with experience in planning and permitting, traffic analysis as well as Phase I and Phase II engineering aspects of project development.

Years Experience: 14

Education:
BSCE, Iowa State University, 2003

Professional Registration:
Professional Engineer - IL, IA

Professional Traffic Operations Engineer

Professional Organizations:
Institute of Transportation Engineers (ITE)

Supplemental Training:
Trafficware Synchro Studio, 2014

ASCE Roundabout as Traffic Signal Alternative, 2012

Roundabout Design and Construction ITE/MTJ Webinar, 2012

McTrans HCM 2010 Workshop, 2011

ONLC Microsoft Project Training, 2011

Lorman Roadway Rights of Way Webinar, 2010

League of Illinois Bicyclists - Kane / Kendall Council of Mayors Bike Planning Seminar

IDOT-ACEC Traffic Signal Seminar, 2009

ITE – Roundabout Design and Construction: Key Issues and Solutions Web Seminar, 2009

APWA – Why Roundabouts instead of Signalized Intersections Workshop, 2009

FHWA – Traffic Signal Timing Manual Workshop, 2009

FHWA – Roundabouts Workshop: Planning and Designing Intersections for Safety, 2008

FHWA – Highway Safety Manual Workshop, 2008

IDOT – Workzone Safety Design,

Village of Hoffman Estates, IL

Pedestrian Overpass for Pace at Barrington Road and I-90 Interchange
Project Engineer for the design of Pace's pedestrian overpass to link the bus stops on the north and south side of the I-90 mainline. This project is being led by the village of Hoffman Estates with coordination between the village, Illinois Tollway and Pace.

Pace Suburban Bus

Pedestrian Underpasses for Pace BRT Lanes at Barrington Road and I-90
Project Engineer for the design of Pace's pedestrian underpasses to link future park-n-ride and kiss-n-ride facilities to the bus stops being constructed adjacent to the I-90 mainline.

Kane County Division of Transportation, IL

Huntley Road at Galligan Road Intersection Improvements – Phase II
Traffic Engineer for the Huntley Road at Galligan Road Intersection Improvements in Gilberts, IL. The project includes adding eastbound and westbound left turn channelization to free-flowing Huntley Road and northbound left and right turn channelization to stop-controlled Galligan Road.

Randall Road at Fabyan Parkway Intersection Improvements – Phase I
Design Engineer for the intersection design study and signal warrant analysis to improve the existing signalized intersection of two four-lane Suburban Strategic Regional Arterials. Scope included widening Randall Road to six lanes at the intersection and adding pedestrian crossings with channelized islands for refuge.

McHenry County Division of Transportation, IL

Charles Road at Raffel Road Intersection Improvements – Phase I and II
Design Engineer for Phase I and Project Manager Phase II for roundabout intersection improvements. This project included the Phase I study of an existing intersection in order to establish the most effective intersection controls to deal with existing safety issues. Phase II includes the development of PS&E for an offset roundabout with approach curves and splitter islands for high-speed rural approaches.

Village of University Park, IL

University Parkway Reconstruction – Phase I and II
Project Engineer for updated 2010 design approval for a Phase I project development report completed in 2002. Significant tasks included updated traffic projections, intersection design studies, crash analysis and environmental clearances. Traffic Engineer in Phase II for two permanent traffic signal designs, University Parkway at Cicero Avenue (Illinois Route 50) and at Governors Highway.

Lake County Division of Transportation, IL

Cedar Lake Road at Monaville Road – Phase I and II
Project Engineer for Phase I and Project Manager for Phase II for improvements to an intersection of two rural Lake County highways. Project included evaluation of signal versus roundabout. Upon roundabout selection, an evaluation of three roundabout designs and construction staging alternatives was performed.

Washington Street Reconstruction – Phase II
Traffic Engineer for traffic signal and interconnect design for reconstruction of Washington Street from Cemetery Road to IL Route 21 (Milwaukee Avenue) in the village of Gurnee and unincorporated Lake County. Project included two temporary and permanent signal designs for Tri-State Parkway and Six Flags Drive. Also included was connecting two signals to two existing interconnect systems with approximately one mile of interconnect cable.

Kelly Farley, PE
Traffic Signals/Pedestrian Crossings



Years Experience: 23

Education:
BSCE, University of Iowa, 1994

Professional Registration:
Professional Engineer - IL, IA

Professional Organizations
APWA

Supplemental Training:
Core Essentials Program, Coach U

High Impact Presentations, Dale Carnegie

League of Illinois Bicyclists, "Turning Complete Street Policies into Good Practices"

Leadership Training for Managers, Dale Carnegie

PSMJ Project Management Workshop

Consulting Engineers Council of Illinois - IDOT District 1 Signal Design

Kelly has been with CMT since 1994 as a project manager and transportation engineer. Kelly has studied or designed multiple high profile roadway projects, including more than 50 intersections that have required services such as signal design, intersection capacity analysis, intersection design studies, intersection design and inspection of traffic signal installations. Kelly is also experienced with public participation and community outreach.

City of Elgin, IL

2017 Street Resurfacing Program
Client Liaison for the 2017 Street Resurfacing Program. Project includes 55,000 feet of resurfacing, with an estimated budget of $4 million.

Highland Avenue Widening and Reconstruction – Phase I
Project Manager for the 1.5 mile widening and reconstruction of Highland Avenue from McLean Boulevard to Randall Road. This project included two intersection design studies, traffic impact study, horizontal/vertical design, location drainage study, environmental impact analysis, public information meetings and development of project development report.

Kane County Division of Transportation, IL

Huntley Road at Galligan Road Intersection Improvements – Phase II
Project Manager for the Huntley Road at Galligan Road intersection improvements in Huntley, IL. The project includes adding eastbound and westbound left turn channelization to free-flowing Huntley Road and northbound left and right turn channelization to stop-controlled Galligan Road.

Randall Road/Fabyan Parkway Intersection Improvements – Phase I & II
Project Manager for the planning and design for the intersection improvements in Geneva and Batavia, IL. This work includes widening of existing Randall Road from four-lane cross section to a six-lane cross-section. The project also involved project development report, environmental impact assessment, right-of-way impacts, turn lanes, enclosed drainage system, sidewalks, traffic signals, pavement marking and signing.

Orchard Road Corridor Improvements – Phase I & II
Project Manager for a two-mile widening and reconstruction of a two-lane rural roadway to a four-lane urban corridor in Aurora, IL. The project also included a raised 16-foot landscaped median, intersection/traffic signal design, urban drainage system, bike path design, detention facility design, construction staging, noise wall design, cost management, multiple agency management and public involvement. This project was awarded 2005 Project of the Year by APWA – Fox Valley Branch.

McHenry County Division of Transportation, IL

Charles Road/Raffel Road Intersection Improvements – Phase I and II
Project Manager for intersection improvements. This project requires the Phase I study of an existing intersection in order to establish the most effective intersection improvements. The project examines the transportation needs at the intersection to accommodate existing and future traffic needs. Some options considered include roundabout design, traffic signal control and stop control.

Kendall County Division of Transportation, IL

Galena Road/Little Rock Road Intersection Improvements – Phase I & II
Project Manager for improving safety concerns at this existing intersection. Project required the collection of accident reports and traffic volumes to help with the analysis. A capacity analysis was performed to establish the existing level of service. Alternative intersection improvements, including roundabouts, were studied to determine the best possible application for this particular intersection.

DuPage County Division of Transportation, IL

Naperville Road/Longfellow Road Intersection Improvements
Project Manager and Design Engineer for signalized intersection improvements.



Years Experience: 24

Education:
MSEE, University of Detroit, 1993

BSEE, Ned Engineering University, 1990

Professional Registration:
Professional Engineer - IL, FL

Registered Energy Professional

Professional Organizations:
IES – Aviation Lighting Committee

Asad Bajwa, PE

Electrical - Roadway Improvements & Parking Lots

Asad has worked for CMT as an Electrical Engineer since 1994. He has served as project manager, project engineer, designer and has specific experience working on airport, roadway, parking lot and municipal building projects. Asad serves as Chief Electrical Engineer and oversees the firm's electrical engineering projects.

Aqua Illinois Water Company, Kankakee, IL

Kankakee Water Treatment Plant Expansion
Electrical Engineer for the expansion of the Kankakee Water Treatment Plant.

City of Rockford, IL

South Main Street
Project Manager for the roadway intersection and underpass lighting replacement project. The roadway lighting consists of decorative 400W metal halide roadway fixtures that will be consistent with existing city of Rockford standard lighting. The underpass lighting consists of 70W Metal Halide underpass fixtures to provide illumination of the roadway per RP-8 standards.

Fermilab, Batavia, IL

Utilities Upgrade Project
Lead Electrical Engineer for design of proposed improvements to the Industrial Cooling Water (ICW) system, including two pump stations, new strainer vaults and new electrical room additions at Casey's Pond Pump House.

City of Park Ridge, IL

Reservoir and Pump Station Relocation
Electrical Design Engineer for the project including variable frequency drives, SCADA controls, motor control center and standby generator.

City of West Chicago, IL

Three Pump Sanitary Lift Station
Electrical design engineer for a three pump sanitary lift station, including standby power facilities.

Deep and Shallow Well System
Electrical Design Engineer for a deep and shallow well system and booster station, including stand-by power facilities.

Kane County Division of Transportation, IL

Orchard Road Corridor Improvements
Electrical Design Engineer for roadway lighting and intersection lighting for Orchard Road in Lake County.

Longmeadow Parkway Section C - Phase I & II
Electrical Engineer responsible for new roadway lighting for two miles of new roadway and a new river crossing bridge. Longmeadow Parkway is a new 5-mile corridor featuring four project sections; CMT is leading the largest of the four.

Metra, IL

West Chicago Metra Station
Electrical Design Engineer for the parking lot lighting system and antique lighting for the main street Metra station.

Village of University Park, IL

Central Avenue and Dralle Road
Electrical Design Engineer for IDOT-approved roadway and intersection lighting system.

University Parkway
Electrical Design Engineer that was responsible for performing the calculations for the lighting design, voltage drop analysis, quantities, circuit orientation and coordination with utility for new electric services.

City of Elgin, IL

Roadway and Bridge Lighting System on Shales Parkway
Electrical Design Engineer for the design of roadway and bridge lighting system on Shales Parkway Section II and III.

Roadway Lighting System on McLean Boulevard
Electrical Design Engineer for the design of roadway lighting system.

Sidewalk Rehabilitation Project
Electrical Design Engineer for the central business district lighting, traffic signal and sidewalk rehabilitation project.

Prabhu Ananthan, PE, SE

Structural - Roadway Improvements & Parking Lots



Years Experience: 15

Education:
MSCE, University of Illinois, 2002

BSCE, University of Madras (India), 2000

Professional Registration:
Professional Engineer - IL, FL

Structural Engineer - IL

Supplemental Training:
FHWA - Safety Inspection of In-Service Bridges

IDOT - Program Manager for compliance with National Bridge Inspection Standards requirements

Prabhu is a Structural Engineer with an emphasis on highway and bridge structures. His experience includes feasibility studies, plan preparation and cost estimates.

Village of Oak Brook, IL

2015 Bridge Rehabilitation Program

Structural Engineer for bridge inspection, rehabilitation design and construction phase services for three bridges over I-88 on York Road and Windsor Drive. This project consisted of biennial inspection of a 63-foot-long concrete slab bridge and quadrennial inspection of a 83-foot-long, 9-foot-wide barrel two-cell box culvert. Inspection reports were completed per National Bridge Inspection Standards and IDOT requirements.

Village of Lemont, IL

Bridge Inspections

Structural Engineer and Inspector for biennial and quadrennial inspections of four bridges in Lemont. These precast prestressed concrete I-bean bridges ranged from a 75-foot-long structure to a 314-foot-long five-span structure. Inspection reports were completed per National Bridge Inspection Standards and IDOT requirements.

Village of Hodgkins, IL

Bridge Inspection

Structural Engineer and Inspector for biennial inspections of a single 85-foot-long single-span steel plate girder bridge over a railroad of a bridge in Hodgkins. The deep 30-inch-deep plate girders consist of cover plates welded to the bottom flange, and were inspected for fracture critical failure. Inspection reports were completed per National Bridge Inspection Standards and IDOT requirements.

City of Aurora, IL

Wood Street Bridge Replacement

Structural Engineer for detailed substructure design and analysis. Prepared contract document and quantities. Involved in reviewing sheets and modeling of substructure elements.

DuPage County Division of Transportation, IL

Maple Avenue Bridge

Structural Engineer who reviewed structural design and worked on pier modifications in the reconstruction and widening of the two-span bridge.

McHenry County Division of Transportation, IL

Lawrence Road Bridge Replacement - Phases I and II

Structural Engineer for a bridge removal and replacement project in Harvard, IL. The existing 28-foot span cast-in-place concrete deck slab structure over the tributary to Lawrence Creek was replaced by a 40-foot single span superstructure with precast prestressed deck beams, and a 5-inch concrete overlay. The superstructure is supported by cast-in-place abutment walls on steel piles. The improvement included the removal and replacement of the existing structure and approximately 900 feet of roadway widening and reconstruction.

Will County Highway Department, IL

Manhattan Road Bridge Replacement

Structural Engineer for Phase I and II services for the replacement of a single-span precast concrete deck beam bridge over South Jackson Creek in Will County. The proposed structure is a single-span concrete deck on steel stringers supported by open abutments.

Lake County Division of Transportation, IL

Washington Street Reconstruction

Structural Engineer responsible for structural design of precast culvert and sheet pile, and cast-in-place retaining walls. The project included reconstruction of Washington Street from Cemetery Road to Illinois Route 21.

Lake Avenue Reconstruction

Structural Engineer responsible for design of superstructure removal and replacement of two bridges with precast, prestressed deck beams. Project included improvement of lake Avenue from Illinois Route 173 to the Wisconsin state line.

City of Rockford, IL

Morgan Street Bridge Reconstruction

Structural Engineer for the $22 million reconstruction of the Morgan Street Bridge over the Rock River located in downtown Rockford, Illinois.

Corey Worthel, PLS

Surveyor - Roadway Improvements & Parking Lots



Years Experience: 37

Professional Registration:
Professional Land Surveyor - IL, WI

Computer Skills:
Trimble Total Stations and GPS
AutoCAD and Desktop
Civil3D

Corey has more than 30 years of experience in surveying in the civil engineering field. He has served as survey department manager, party chief, senior engineering technician and construction manager/observer for numerous projects.

Aqua Illinois, Kankakee, IL

Kankakee Water Treatment Plant Expansion
Lead Surveyor for the expansion of the Kankakee Water Treatment Plant.

City of Rockford, IL

Morgan Street Bridge Reconstruction
Lead Surveyor for residential and commercial property surveys along the existing city roadways and Illinois state highways for the preparation of plats and legals for right-of-way acquisition. A railroad relocation project with industrial property surveys was also completed in conjugation with the highway project.

South Airport Water Main
On-site Construction Representative for the south airport water main extension. Project consisted of the construction of 520 lineal feet of 24-inch directionally-drilled HDPE water main, 950 lineal feet of 20-inch ductile iron water main and 5,150 lineal feet of 16-inch ductile iron water main. Responsibilities included full-time construction observation; daily measurements of quantities; preparation of daily reports; and review of monthly pay requests.

Lake County Division of Transportation, IL

Lake Avenue Reconstruction
Lead Surveyor responsible for completing topographic surveys and prepared plat of highways in conformance with the requirements of Lake County DOT and IDOT.

Cedar Lake Road Widening and Reconstruction
Lead Surveyor responsible for preparing surveys for the improvement of Cedar Lake between Illinois Route 120 and Nippersink Road consisting of widening and reconstructing an existing two-lane pavement to three lanes.

Washington Street Reconstruction
Lead Surveyor responsible for preparing surveys for traffic signal and interconnect design for reconstruction of Washington Street from Cemetery Road to IL Route 21 (Milwaukee Avenue) in the village of Gurnee and unincorporated Lake County.

City of Naperville, IL

Utility Improvements
Lead Surveyor responsible for preparing easement documents for several water main and electrical duct bank projects.

Pressure Adjusting Station 15-I
Lead Surveyor responsible for preparing preliminary and final plat for metering/ pressure adjusting station 15-I.

Fermilab, Batavia, IL

Various Surveys
Surveyor for preparation of various site surveys within the lab.

Utilities Upgrade Project
Lead Surveyor for the conceptual and final design of proposed improvements to the Industrial Cooling Water System including pump stations, water mains and drainage improvements.

Main Injector Neutrino Upgrade (MINU)
Lead Surveyor for various topographical surveys for MINU systems, site improvements and electrical duct penetrations in the area of the accumulator ring.

Feynman Computing Center (FCC) HACC
Lead Surveyor for a building addition which included the reconstruction of parking and an access drive, the addition of new drainage structures and a bio-retention swale, and the relocation of several utilities.

A1 to CDF Roadway Reconstruction/ Rehabilitation
Leader Surveyor for design of reconstruction of the intersection of Roadway D and Roadways A1 and A2. Included surveys for location of utilities, new roadway alignment, new roadway lighting and signage, and drainage improvements.

Wilson Hall West Entrance
Lead Surveyor for the design of proposed improvements as a sub-consultant to Holabird & Root.

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

Case Name	Estate of Adam Morgan vs. City of Salem and Wal-Mart Stores, Inc and Wal-Mart Stores, Inc. vs. Crawford, Murphy & Tilly, Inc as a Third Part Defendant
Case Number	2016L 000031
Court	Circuit Court of the 4th Judicial Circuit, Marion County
Basis	The estate of the deceased alleges that the City of Salem and Wal-Mart were responsible for a motorcycle accident involving an obscured view in Wal-Mart's parking lot and an intersection on a city street. CMT was named as a third-party defendant by Wal-Mart since it designed the site plan for the store in 2001. CMT believes the lawsuit is without merit and the third-party claim is specifically without merit as it is past the 10-year statute of limitations.
Outcome	Pending

Case Name	Estate of Roger Creason vs. Williams Brothers Construction Company, Tobin Brothers, Inc., Crawford, Murphy & Tilly, Inc. and Plug-It Products Corporation
Case Number	Currently unavailable
Court	Sangamon County, Illinois
Basis	CMT was named as a co-defendant due to the fatality of one of the contractor's employees. However, CMT's role per contract is solely as a design engineer with construction observation responsibilities. Per contract, the responsibility for worker protection and site safety is assigned to the prime contractor. CMT filed a motion for dismissal to remove it from the named parties in this suit which has been agreed to by the plaintiff's counsel. This motion was approved by the court on November 30, 2016
Outcome	Dismissed

Legal Actions Continued

Case Name	City of Oregon vs. Crawford, Murphy & Tilly, Inc
Case Number	Currently unavailable
Court	N/A
Basis	CMT completed the design and construction of a waste treatment plant using the same process for sludge disposal by the same manufacturer, the CANNIBAL System by Siemens Industry, Inc. This system did not perform as warranted by the manufacturer and CMT was named as a defendant by the community. CMT does not have any culpability for equipment that does not function as warranted by the manufacturer. However, CMT formally settled both this claims out of court in October 2013 to avoid additional cost involved with litigation
Outcome	Settled

Case Name	City of Princeton vs. Crawford, Murphy & Tilly, Inc.
Case Number	Currently unavailable
Court	N/A
Basis	CMT completed the design and construction of a waste treatment plant using a process for sludge disposal, the CANNIBAL System by Siemens Industry, Inc. This system did not perform as warranted by the manufacturer and CMT was named as a defendant by the community. CMT does not have any culpability for equipment that does not function as warranted by the manufacturer. However, CMT formally settled the claim out of court in April 2015 to avoid additional cost involved with litigation of the matter.
Outcome	Settled

Case Name	Jacob M. Taff vs. Crawford, Murphy & Tilly, Inc
Case Number	Currently unavailable
Court	St. Louis, Missouri
Basis	Claimant was injured in a traffic accident on MO Route 61 due to a sign collapsing on his vehicle when he struck it. Alleged that the MoDOT specifications under which it was designed resulted in his injuries. Parties named included contractor, subcontractor and engineer. The final outcome was a mediated out of court settlement.
Outcome	Mediated out of court

Case Name	Hunt vs. Crawford, Murphy & Tilly, Inc.
Case Number	Currently unavailable
Court	Indianapolis, Indiana
Basis	Design subcontractor to CMT as prime, incorrectly computed quantities on two pay items for street construction. The Contractor (Hunt) is seeking additional compensation from CMT.
Outcome	By court action, Contractor released all parties and withdrew suit in July 2016

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 12/28/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER 1-800-527-9049 Holmes Murphy and Associates - Peoria 311 S.W. Water Street Suite 211 Peoria, IL 61602-4108	CONTACT NAME: Traci Stoecker / Linda Bomarito PHONE (A/C, No, Ext): 800-527-9049 FAX (A/C, No): 888-898-6604 E-MAIL ADDRESS:
INSURED Crawford, Murphy & Tilly, Inc. CMT North America, Inc. 2750 West Washington Springfield, IL 62702	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A: EMPLOYERS MUT CAS CO — 21415 INSURER B: COLONY INS CO — 39993 INSURER C: XL SPECIALTY INS CO — 37885 INSURER D: ROCKHILL INS CO 28053 INSURER E: INSURER F:

COVERAGES **CERTIFICATE NUMBER:** 48768194 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR X Sev of Int GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC OTHER:			5D5748018	01/01/17	01/01/18	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG Valuable Papers	$ 1,000,000 $ 1,000,000 $ 10,000 $ 1,000,000 $ 2,000,000 $ 2,000,000 $ 1,000,000
A	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS			5E5748018	01/01/17	01/01/18	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
A	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED X RETENTION $ 10,000			5J5748018	01/01/17	01/01/18	EACH OCCURRENCE AGGREGATE	$ 5,000,000 $ 5,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		5H5748018	01/01/17	01/01/18	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000
B	Pollution Liability			CSP304179	12/01/16	01/01/18	$5,000,000 Ea Claim	10,000,000Aggr
C	Professional Liability			DPR9909042	01/01/17	01/01/18	$5,000,000 Ea Claim	7,000,000Aggr
D	Excess Umbrella			XS01883900	01/01/17	01/01/18	$5,000,000 Ea Claim	5,000,000Aggr

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

"EVIDENCE OF INSURANCE - FOR PROPOSAL PURPOSES

*

*, IL 62702

USA

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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48768194

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Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

February 1, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Louis Dixon
CRAWFORD, MURPHY, & TILLY, INC.
2750 West Washington Street
Springfield, IL 62702

Dear Louis Dixon,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $83,200,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 164.09% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

CMT is prequalified in categories applicable to the Village of Bensenville. CMT is able to provide the services identified in the request for qualifications.

SEFC PREQUALIFICATIONS FOR CRAWFORD, MURPHY, & TILLY, INC.

CATEGORY	STATUS
Structures - Highway: Simple	X
Special Services - Construction Inspection	X
Special Services - Sanitary	X
Special Services - Surveying	X
Hydraulic Reports - Waterways: Typical	X
Hydraulic Reports - Pump Stations	X
Airports - Construction Inspection	X
Location Design Studies - New Construction/Major Reconstruction	X
Special Services - Architecture	X
Highways - Roads and Streets	X
Airports - Planning & Special Services	X
Special Studies - Feasibility	X
Special Studies - Lighting: Typical	X
Hydraulic Reports - Waterways: Complex	X
Airports - Design	X
Environmental Reports - Environmental Impact Statement	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Special Services - Mechanical	X
Special Studies - Safety	X
Transportation Studies - Railway Engineering	X
Special Services - Electrical Engineering	X
Structures - Highway: Advanced Typical	X
Special Studies - Traffic Studies	X
Special Studies - Traffic Signals	X
Special Studies - Location Drainage	X
Special Studies - Pump Stations	X
Structures - Highway: Complex	X
Highways - Freeways	X
Environmental Reports - Environmental Assessment	X
Location Design Studies - Rehabilitation	X
Structures - Highway: Typical	X
Special Services - Landscape Architecture	X
Structures: Major River Bridges	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

cotter
CONSULTING

Village of Bensenville

Civil Engineering Services Statement of Qualifications

Category - Resident Engineering Services

October 19, 2017

submitted by:
Cotter Consulting, Inc.
Joseph Hunn, PE
Vice President - Transportation
745 McClintock Drive, Suite 130
Burr Ridge, IL 60527
T. 312.590.7376
F. 630.310.5512
j.hunn@cotterconsulting.com

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cotter CONSULTING

745 McClintock Drive, Suite 130
Burr Ridge, Illinois 60527
P 630 724 9730 F 630 310 5512
COTTERCONSULTING.COM

October 19, 2017

Joseph M. Caracci, P.E., Director of Public Works
Village of Bensenville
717 East Jefferson Street
Bensenville, Illinois 60106

RE: Request for Qualifications – Establishment of Shortlists for Civil Engineering Services
Category: Resident Engineering Services

Dear Mr. Caracci:

Cotter Consulting, Inc. is appreciative of the opportunity that the Village of Bensenville has provided in order for us to submit our proposal for consideration regarding the short list for Resident Engineering Services. We are excited for you to review the team and qualifications that we have assembled for this proposal.

Our Team
Our team will be led by Joseph Hunn, PE, who will serve as Project Manager. Joe is Vice President of the Transportation Group and will work with the Village of Bensenville to appropriately staff assignments, will be directly responsible for the quality of work performed by the team, and ensure the satisfaction of the Village. Joe is responsive, adaptive, and will be available at all times to respond to the Village. Cotter Consulting, Inc. has Resident Engineers, material coordinators, documentation technicians and inspectors available for assignment according to the project needs. Cotter personnel are cross trained in order to fill multiple project positions for the most efficient use of time and budgets. Our proposal includes additional personnel from WSP to supplement inspection staff and provide other services, such as structural review, if requested by the Village. We also have included Chicago Testing Laboratory (CTL) for all material testing requirements.

Small Company Feel, Large Company Level of Resources
Cotter Consulting, Inc is a certified WBE firm and is registered on the Department of Housing & Urban Development (HUD) WMBE company list and is IDOT prequalified in Special Services – Construction Inspection. Cotter Consulting's Transportation Group is made up of 13 transportation engineering professionals that are locally based out of our Burr Ridge, Illinois office. In the pages that follow, we will outline our specific, client focused approach to Resident Engineering Services as well as the impressive amount of resources available to the Village of Bensenville with this team. Thank you for your consideration and review of this proposal.

Sincerely,

Joseph Hunn, PE
Vice President, Transportation
j.hunn@cotterconsulting.com / 312.590.7376

1

Consultant Evaluation Form

Insurance

Litigation

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

☐ The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

☒ The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

☐ Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

The following is a list of proposed revisions to the "Village of Bensenville Contract" (the "Form of Contract") included at Appendix 1 to the Request for Qualifications: Establishment of Short-Lists for Civil Engineering Services" (the "RFQ"):

- In that the Form of Contract incorporates the RFQ, please consider revising section '(B)' of the "Insurance" provision (pages 9-10 of 28 of the RFQ) as follows:
  - The ENGINEER shall furnish to the VILLAGE satisfactory proof of coverage of the above insurance requirements, by a reliable company or companies, before commencing any work. Such proof shall consist of certificates executed by the respective insurance companies and filed with the VILLAGE. Said certificates shall contain a clause to the effect that, for the duration of the contract, the insurance policy shall be canceled, expire or changed so as to the amount of coverage only after written notification 30 days in advance to the VILLAGE. In addition, said ENGINEER ~~certificates~~ shall name ~~list~~ the VILLAGE and its officers, agents and employees as additional insureds on its general liability and automobile liability ~~all required~~ insurance policies ~~except the policy for professional liability~~.
  - The rationale for this requested change is to create an insurable obligation on the insurance carrier's part, which may not otherwise exist without a contractual directive to add specified parties as additional insured.

- In that the Form of Contract incorporates the RFQ, please consider revising the "Indemnification" provision (page 10 of 28 of the RFQ) as follows:
  - The ENGINEER shall indemnify, defend and save harmless the VILLAGE, its officers, agents, employees, representatives and assigns, from lawsuits, actions, costs (including attorneys' fees), claims or liabilities of any character brought because of any injuries or damages received or sustained by any person, persons, or property on account of negligent act or omission or any willful misconduct of said ENGINEER, its officers, agents and/or employees arising out of, or in performance of any of the provisions of the contract, including any claims or amounts recovered for any infringements of patent, trademark or copyright; or from any claims or amounts arising or recovered under the "Worker's Compensation Act" or any other law, ordinance, order or decree. In connection with any such claims, lawsuits, actions or liabilities, the VILLAGE, its officers, agents, employees, representatives and their assigns shall have the right to defense counsel of their choice. The ENGINEER shall be solely liable for all reasonable costs of such defense and for all reasonable expenses, fees, judgments, settlements and all other costs arising out of such claims, lawsuits, actions or liabilities. For the purposes of this "Indemnification" provision, reasonable shall mean the amount for which ENGINEER's insurance carrier would customarily pay to defend ENGINEER and/or costs that it would customarily incur in connection such claims lawsuits, actions or liabilities.

- The rational for this requested change is to tailor the scope of the ENGINEER's responsibility to what its suite of insurance coverage will provide, ensuring that adequate coverage is provided to the VILLAGE in the event of a claim, lawsuit or action.

- In that the Form of Contract incorporates the RFQ, please consider revising the "Conflict of Interest" provision (page 14 of 28 of the RFQ) as follows:
  - The ENGINEER agrees to not perform professional services during the term of the contract for any person, firm or corporation (excluding municipal corporations and/or home rule units of local government), for any project or work that may be subject to the VILLAGE'S review/inspection, to occur or occurring within the corporate limits of the VILLAGE, or contiguous to the corporate limits of the VILLAGE, without notification to the VILLAGE prior to rendering services. The ENGINEER agrees to provide the VILLAGE with written notification whenever the services provided under this agreement shall require the ENGINEER to review or inspect work performed by any other firm or corporation for whom the ENGINEER is or has within the previous twelve (12) months provided professional services, or with which any of the ENGINEER'S owners, partners or principals have a financial interest. The ENGINEER agrees to provide written notification to the VILLAGE whenever the ENGINEER, or any other firm or corporation with which any of the ENGINEER'S owners, partners or principals have a financial interest, performs services or work that may be subject to the VILLAGE'S review/inspection, or is contiguous to the corporate limits of the VILLAGE. The VILLAGE may at its discretion disqualify the ENGINEER from participation as a representative of the VILLAGE in such projects or in projects potentially impacted.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 03/29/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Steve L Webster
DSP Insurance Services 1900 E Golf Rd Ste 650 Schaumburg IL 60173	PHONE (A/C, No, Ext): (847) 934-6100 FAX (A/C, No): (847) 934-6186 E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Continental Casualty Company	20443
INSURER B : National Fire Insurance Compan	20478
INSURER C : Continental Insurance Co.	35289
INSURER D : Valley Forge Insurance	20508
INSURER E : Underwriters Lloyds London (IL)	15792
INSURER F :	

INSURED
Cotter Consulting, Inc.

745 McClintock Drive Suite 130

Burr Ridge IL 60527

COVERAGES **CERTIFICATE NUMBER:** Cert ID 20683 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
D	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE / X OCCUR X XCU Included GEN'L AGGREGATE LIMIT APPLIES PER: POLICY / X PRO-JECT / LOC OTHER:			5084948653	04/01/2017	04/01/2018	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 500,000 $ 15,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
C	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY / SCHEDULED AUTOS X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY			5084948362	04/01/2017	04/01/2018	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
A	X UMBRELLA LIAB / X OCCUR EXCESS LIAB / CLAIMS-MADE DED / RETENTION $			5084948412	04/01/2017	04/01/2018	EACH OCCURRENCE AGGREGATE	$ 5,000,000 $ 5,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N: N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		6024405856	04/01/2017	04/01/2018	X PER STATUTE / OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000
E	Professional Liability			PGIARK0712100	04/01/2017	04/01/2018	Each Claim and in the aggregate	$ 5,000,000
D	Valuable Papers/Media			5084948653	04/01/2017	04/01/2018	Limit	$ 250,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Evidence of Coverage

CERTIFICATE HOLDER

SAMPLE

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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COTTER CONSULTING, INC.
LIST OF FIRM-INVOLVED LITIGATION FOR
SERVICES RENDERED FROM JANUARY 1, 2012 TO THE PRESENT

The following lawsuits have been filed against Cotter Consulting, Inc. ("Cotter") concerning services it has rendered from January 1, 2017, though the present:

1	Case Name	William Gubbins v. Kiewit Infrastructure Company, *et al.*
	Case #	14-L-013422
	Court	Circuit Court of Cook County
	Basis	Personal injury action by plaintiff against several defendants to recover damages for work-related injuries sustained on a construction project site.
	Outcome	All allegations against Cotter were dismissed on or about 5/25/2017 without a finding or admission of liability on Cotter's part.

2	Case Name	Sara Grunzel v. Cotter Consulting, Inc.
	Case #	15-L-003921
	Court	Circuit Court of Cook County
	Basis	Action by plaintiff to recover damages for fatal injuries sustained by relatives in a traffic accident on a construction project site.
	Outcome	All allegations against Cotter were dismissed on or about 9/29/2016 without a finding or admission of liability on Cotter's part.

3	Case Name	Andrea Quigley v. Walsh Construction Company, *et al.*
	Case #	12-L-003901
	Court	Circuit Court of Cook County
	Basis	Personal injury action by plaintiff against several defendants to recover damages for fatal injuries sustained by relative on a construction project site.
	Outcome	All allegations against Cotter were dismissed on or about 7/17/2017 without a finding or admission of liability on Cotter's part.

Additional lawsuits have been filed, or have been pending, against Cotter since January 1, 2012, though all concerned services provided prior to that date. All such lawsuits against Cotter have been dismissed without a finding or admission of liability on Cotter's part. Information about those lawsuits may be provided upon request.

2

IDOT SEFC

Summary of Recent Projects

Staff Qualifications

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

May 9, 2016

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Anne Edwards-Cotter
COTTER CONSULTING, INC.
100 South Wacker Drive
Suite 920
Chicago, IL 60606

Dear Anne Edwards-Cotter,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $17,200,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 130.48% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR COTTER CONSULTING, INC.

CATEGORY	STATUS
Special Services - Construction Inspection	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

October 6, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

John Trotta
WSP USA Inc.
30 N LaSalle
Ste 4200
Chicago, IL 60602

Dear John Trotta,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $169,900,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 141.73% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR WSP USA Inc.

CATEGORY	STATUS
Structures: Major River Bridges	X
Special Services - Construction Inspection	X
Special Services - Sanitary	X
Structures - Moveable	X
Special Services - Electrical Engineering	X
Geotechnical Services - Structure Geotechnical Reports (SGR)	X
Airports - Design	X
Airports - Planning & Special Services	X
Special Studies - Location Drainage	X
Highways - Roads and Streets	X
Structures - Railroad	X
Location Design Studies - New Construction/Major Reconstruction	X
Geotechnical Services - General Geotechnical Services	X
Special Studies - Pump Stations	X
Environmental Reports - Environmental Assessment	X
Transportation Studies - Railway Engineering	X
Structures - Highway: Advanced Typical	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Special Studies - Traffic Studies	X
Structures - Highway: Complex	X
Special Studies - Safety	X
Structures - Highway: Typical	X
Environmental Reports - Environmental Impact Statement	X
Special Studies - Traffic Signals	X
Hydraulic Reports - Waterways: Typical	X
Transportation Studies - Mass Transit	X
Airports - Construction Inspection	X
Hydraulic Reports - Waterways: Complex	X
Special Studies - Feasibility	X
Special Services - Mechanical	X
Location Design Studies - Rehabilitation	X
Special Services - Architecture	X

Special Studies - Signal Coordination & Timing (SCAT)	X
Geotechnical Services - Complex Geotech/Major Foundation	X
Special Services - Landscape Architecture	X
Hydraulic Reports - Pump Stations	X
Highways - Freeways	X
Structures - Highway: Simple	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 18, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Jay Miller
CHICAGO TESTING LABORATORY, INC.
30W114 Butterfield Rd.
Warrenville, IL 60555

Dear Jay Miller,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $6,600,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 226.95% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR CHICAGO TESTING LABORATORY, INC.

CATEGORY	STATUS
Geotechnical Services - Structure Geotechnical Reports (SGR)	X
Special Services - Quality Assurance HMA & Aggregate	X
Special Services - Quality Assurance PCC & Aggregate	X
Special Services - Construction Inspection	X
Geotechnical Services - General Geotechnical Services	X
Geotechnical Services - Subsurface Explorations	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

Project/Client	**IL 31 at IL 176 (East Terra Cotta Avenue) and Terra Cotta Road/ Illinois Department of Transportation**
Scope of Work / (Contractor) / Client POC	Scope included the reconstruction and traffic signal modernization of the intersection of IL 31 at IL 176 and Terra Cotta Road to increase the safety and level of service. An existing fifth leg of the intersection was removed and the configuration was replaced with a four- legged intersection containing dedicated left, through, and right turn lanes. The reconfiguration required utility relocation of gas pipelines, water lines, electrical conduit and phone lines. The project scope also included the removal of an existing gas station and turning that area into a 10-foot deep detention pond adjacent to a cul-de-sac. Cotter was responsible for providing Phase III construction services. Funding: State (MFT) and Federal (NHPP) Contractor: RW Dunteman Client POC: IDOT R.E.: Eric Norland eric.norland@illinois.gov
Project Team	Joe Hunn, P.E. (Project Manager), Mike Barkley (Materials Coordinator/Construction Inspector), Alex Higbee, EIT (Constructor Inspector), Fred Petelle (Construction Inspector) RE & Doc Tech provided but no longer work for Cotter Consulting
Construction Cost/Fee/Year	$10.2 million/$1.9 million/ May 2013-November 2014

Project/Client	**Albany Park Storm Water Diversion Tunnel / Chicago Department of Transportation**
Scope of Work / (Contractor) / Client POC	The Albany Park Storm Water Diversion Tunnel includes the construction of a 20-foot diameter storm water diversion tunnel running 150-feet below ground and 5,700-feet in length for the Chicago Department of Transportation. The project includes the construction of a 30-foot diameter, concrete-lined inlet shaft with weir structure that intercepts over-flow storm water from the North Branch of the Chicago River and diverts it 5,700-feet to the east where a gravity fed 40-foot diameter outlet shaft distributes the excess run-off to the North Shore Channel. The diversion tunnel is being mined with a tunnel boring machine (TBM) and will be concrete lined. The outlet shaft includes a pump station with submersible pumps that will discharge the tunnel at the end of each flood event. Cotter is responsible for Phase III construction services. Funding: Federal (CDBG), State, City of Chicago, MWRD Contractor: Kenny Construction Client POC: CDOT Chief Engineer Dan Burke (312) 744-3520
Project Team	Jeff Adden, E.I.T. (Construction Inspector)
Construction Cost/Fee/Year	$65 million/$328,000 (Cotter Portion) /2016-2018

Project/Client	**Route 12 Resurfacing: Ela Rd. to Lake Cook Rd./Illinois Department of Transportation**
Scope of Work / (Contractor) / Client POC	Project scope included milling, HMA binder and surface course mixes, pavement patching, furnished excavation, grading and shaping ditches, detector loops, curb and gutter and thermoplastic pavement markings. Cotter was responsible for Phase III construction services. Funding: State District 1 (MFT) Contractor: Lorig Construction Company Client POC: IDOT R.E. Imad Shahatit imad.shahatit@illinois.gov
Project Team	Joe Hunn, P.E. (Project Manager), Mike Barkley (Construction Inspector)
Construction Cost/Fee/Year	$5.6 million/$228,000/Sept 2014-Sept 2015

Project/Client	**IL 83 Center Lane Storm Water Replacement/ Illinois Department of Transportation**
Scope of Work / (Contractor) / Client POC	Project scope included the removal of existing steel corrugated storm sewers and drainage structures. Items were replaced with reinforced concrete pipe and ductile iron pipes as well as new precast drainage structures. HMA pavement patching and HMA driveways were also completed. Cotter was responsible for providing Phase III construction services. Funding: State District 1 (MFT) Contractor: Copenhaver Construction Client POC: IDOT R.E. Eric Fauth eric.fauth@illinois.gov
Project Team	Jose Montesinos, P.E. (Construction Inspector), Jeff Adden (Construction Inspector)
Construction Cost/Fee/Year	$280,000/ $60,000/April 2015 – Sept 2015

Project/Client	**Chicago Ave Bridge Repairs/** **Chicago Department of Transportation**
Scope of Work / (Contractor) / Client POC	Project scope included removing and replacing existing web, flange and connection points that had deteriorated on the bascule bridge. Additional web and flange reinforcement plates were also added at select locations. New permanent shoring was constructed, drainage structures repaired and sidewalk replacement were included in the project as well. Cotter was responsible for providing Phase III construction services. Funding: Local Contractor: D Construction Client POC: Emilie Giraudon, P.E. Emilie.giraudon@cityofchicago.org
Project Team	Joe Hunn, P.E. (Project Manager)
Construction Cost/Fee/Year	$434,000/ $80,000/ February 2013 - October 2013

Project/Client	**IL Route 137: US 45 to Butterfield Road Resurfacing/ Illinois Department of Transportation**
Scope of Work / (Contractor) / Client POC	Project scope included pavement patching, milling HMA resurfacing, detector loop installation, shoulder regrading, pavement marking and reflective pavement marker installation. Cotter was responsible for providing Phase III construction services. Funding: State (MFT) and Federal (NHPP) Contractor: Peter Baker & Sons Client POC:IDOT R.E. Brad Strebel brad.strebel@illinois.gov
Project Team	Joe Hunn, P.E. (Project Manager), Jim Polous (Construction Inspector)
Construction Cost/Fee/Year	$700,000/$63,000/Aug 2017 – Oct 2017

Project/Client	**Cicero Ave. Resurfacing** **Illinois Department of Transportation**
Scope of Work / (Contractor) / Client POC	Project scope included 7 miles of milling and resurfacing, drainage structure removal and replacement, storm sewer removal and replacement, electrical items, pavement marking and sidewalk replacement in accordance with ADA standards. Cotter was responsible for providing Phase III construction services. Funding: State (MFT) & Federal (NHPP) Contractor: Iroquois Paving Corporation Client POC: IDOT R.E. Julaine Blair julaine.blair@illinois.gov
Project Team	Joe Hunn, P.E. (Project Manager), Divyesh Ray (Construction Inspector)
Construction Cost/Fee/Year	$4.24 million/$50,000/2017

Project/Client	**IL 56 Butterfield Road Reconstruction / Illinois Department of Transportation**
Scope of Work / (Contractor) / Client POC	Complete reconstruction of two existing lanes of traffic and construction of an additional two lanes of traffic with a 30-foot grassed median for a length of 3.1 miles. Project included traffic signal modernization, 7,000 feet of precast concrete noise abatement walls, drainage improvements, culvert replacements, watermain installation and landscaping. WSP provided Phase III Construction services. Project fund source: federal/state. Client POC: IDOT Resident Engineer, Jeffrey Washington (630) 514-5395
Project Team	Emily Dougherty, PE (Resident Engineer), Christopher Pieper, PE (Assistant Resident), Lam Nguyen (Field Engineer)
Construction Cost/Fee/Year	$27 million / $5.095 million / 2016

Project/Client	**Wacker Drive North Viaduct Reconstruction / Chicago Department of Transportation**
Scope of Work / (Contractor) / Client POC	Demolition of the existing reinforced concrete superstructure and substructure and construction of a new structure with much improved sight-lines and vertical clearance on the lower roadway and more efficient geometrics on the upper roadway. New superstructure consists of a thin-slab post-tensioned high performance concrete deck with latex modified concrete overlay. The project also included significant rehabilitation of the Randolph, Washington, and Madison Street Bascule Bridges, new ventilation elements for lower level Wacker Drive, and construction of a new utility tunnel beneath Wacker Drive and the Chicago River. WSP provided Phase III Construction services. Client POC: CDOT Chief Engineer Dan Burke (312) 744-3520
Project Team	Tom Nutter, PE; Sonny Jaramilla, PE; Anthony Marzucco, PE; Adam Dumas
Construction Cost/Fee/Year	$59.5 million / $6.3 million / 2012

Project/Client	**Wells Street Bascule Bridge Reconstruction / Chicago Department of Transportation**
Scope of Work / (Contractor) / Client POC	This project included rehabilitation of the bridge trusses and replacement of the floorbeams, gusset connection plates, roadway stringers, and grating. Structural work also included replacement of the sidewalk support brackets, stringers, panels, and railing, cleaning and painting of the structural steel, and bridge machinery. Rehabilitation and/or replacement of the electrical and mechanical systems and architectural elements of bridge houses including windows, doors, heating, and plumbing systems, roofing, and flashing was also included. This project required extensive coordination with the CTA, adjacent property owners, the Coast Guard, Illinois Department of Natural Resources-Illinois, Environmental Protection Agency, and U.S. Army Corps of Engineers. WSP provided Phase III Construction services. Client POC: CDOT Chief Engineer Dan Burke (312) 744-3520
Project Team	Paul Lopez, PE, SE / Anthony Marzucco, PE / Sonny Jaramilla, PE
Construction Cost/Fee/Year	$41 million / $1.5 million / 2014

Project/Client	**MFT & Street Resurfacing Projects/** **City of DesPlaines**
Scope of Work / (Contractor) / Client POC	Provided QA management, taking asphalt core samples throughout the city, concrete testing, HMA testing and inspection in field and laboratory and providing geotechnical engineering services. Phase III Testing Client POC: Jon Duddles, Asst. Director of Engineering (847) 391-5300
Project Team	Chris Chan P.E. (Project Manager), Sachin Patel (Engineer Technician), Subhash Karna (Engineer Technician), Eugene Doby (Engineer Technician)
Construction Cost/Fee/Year	Various/$45,000/2010-2016

Project/Client	**Various/Village of Northbrook**
Scope of Work / (Contractor) / Client POC	Provided QC/QA materials testing services of both plant and field concrete and asphalt. Phase III Testing Client POC: Martin Sobanski, Project Manager (847) 664-4118
Project Team	Chris Chan P.E. (Project Manager), Sachin Patel (Engineer Technician), Subhash Karna (Engineer Technician), Eugene Doby (Engineer Technician)
Construction Cost/Fee/Year	Various/$80,000/2006 through 2015

Project/Client	**PTB 179-10 Various Materials Testing / Illinois Department of Transportation**
Scope of Work / (Contractor) / Client POC	Provided Materials Testing Various Routes/Various Counties directly for IDOT on various projects. Contract included testing of aggregates, hot-mix asphalt, Portland cement concrete, plant testing of approved pre-cast producers, and structural steel inspection. Phase III Testing Client POC: Greg Johnson, PE, Project Manager (847) 708-9989
Project Team	Joe Masessa P.E. (Project Manager), Eugene Doby (Engineering Technician), Agron Husi (Engineering Technician), Melissa Tate (Engineering Technician), Dharmesh Amin (Engineering Technician)
Construction Cost/Fee/Year	Various/$600,000/2016-2017

Name/ Registration/Title	Years of Exp./@ Firm	IDOT/Municipal Project Experience
Joe Hunn, P.E. Project Manager (Cotter Consulting)	15.5/5.5	-**Various Various Contract, IDOT**: Project Manager. Managed in house staff and 2 subconsultants. Assigned personnel based on experience level requested and maintained contract budget. -**Chicago Ave Bridge Repair, CDOT**: Project Manager. Managed staff assigned to project and worked with the client for scope additions as well as performed field inspection when required. -**LaSalle Drive Reconfiguration, CDOT**: Assistant RE for the reconstruction and reconfiguration of LaSalle Drive from Lake Shore Drive to Clark St. Work also included reconstruction of 2 pedestrian underpasses, storm sewer, electrical and traffic signals. -**Maple Ave Traffic Signal Interconnect, DuPage County**: Resident Engineer for the $1 million project that involved new traffic signal construction, enhancement of existing signals, fiber optic interconnection of 13 intersections and landscape restoration. -**Gougar Rd at US 30, Will County Department of Highways**: Resident Engineer for the $1 million project that widened the existing cross sections of Gougar Rd in order to add dedicated turn lanes and new traffic signals. Drainage structures were installed as well as ditch regrading performed. Traffic signals were interconnected with the RR crossing as well. Extensive coordination with the adjacent utility company, high school and the contractor was needed so that none of the entities were adversely affected.
Jerry Mahnke, P.E. Resident Engineer (Cotter Consulting)	25/.25	-**I-55/74 Widening & Reconstruction, IDOT**: Resident Engineer for the $44 million project which widened the interstate from 4 lanes to six, replaced 2 bridge decks, reconstructed interchange ramps and added highway lighting and traffic signals. - Basin 13 Sewer Separation, Village of Aurora: Resident Engineer for $3 million project consisting of one mile of storm sewer (sizes ranging up to 72” and 20’ depth) along with new sanitary sewer and watermain. -**US 30 Widening & Realignment, Village of Montgomery**: Resident Engineer for the $1.5 million dollar project that widened US 30 near Orchard Rd and realigned Baseline Rd and Horseman Trail. -**Business Loop I-55 (Veterans Parkway), IDOT**: Resident Engineer for the $23 million project which included MSE wall construction, noise walls, the addition of 2 travel lanes, 11 intersections with new traffic signals, fiber optic interconnection and curb and gutter. The new drainage system involved 400 new drainage structures and over 25,000 feet of varying sized storm sewer pipe. -**I-74 Rehabilitation, IDOT**: Resident Engineer for this $10 million project. Major roadway items included concrete patching, HMA overlay and pipe underdrain. Structural items included concrete deck patching, microsilica concrete overlay and an experimental thin polymer overlay. -**Kirk Rd & Averill Rd, City of Geneva**: Resident Engineer for the $400,000 project that installed new traffic signals and fiber optic interconnection. Additional scope included widening and resurfacing, water main relocation, new storm sewers and embankment regrading. -**Local Agency Pavement Preservation Improvements, Village of Sugar Grove**: Resident Engineer for numerous projects with values ranging from $325,000 to $590,000. Projects included replacement of deteriorated sidewalk and curb, pavement patching, milling, resurfacing, pavement markings and landscape restoration.

Jose Montesinos, P.E. Resident Engineer (Cotter Consulting)	10/2	-**W. 92nd St Sewer Improvement, Chicago Department of Water Management (CDWM)**: Resident Engineer for the project which including installation of a tumbing basin, storm sewer pipe, water mains and drainage structures. Restoration of the street with a PCC base and an HMA overlay as well as curb and gutter was included. -**Highland Ave Bridge Repairs, DuPage County**: Resident Engineer for the $1.2 million project. Structural repairs to the Highland Ave bridges over Butterfield Rd and I-88 were performed which included deck patching, crack repair and joint replacement. Roadway patching, HMA resurfacing, sidewalk repairs in accordance with ADA standards and striping were also completed. -Several **IDOT** projects as an inspector performed under a Various Various contract including box culvert construction, HMA resurfacing, storm sewer and structures, and retaining walls.
Adam Roths, P.E. Resident Engineer (Cotter Consulting)	14/.33	-**East River Rd Bridge over I-90, IDOT**: Project Manager for the general contractor on the $12 million dollar bridge removal and replacement project. The project scope also included new water main installation and significant utility coordination. -**Elgin/O'Hare Flyover Project, ISTHA**: Project Manager for the general contractor for the $37 million project. Scope included the construction of a 1,200 foot flyover bridge, noise abatement walls and earth retention walls. -**Illinois Tollway JOC Program, ISTHA**: Assistant Resident Engineer for the Illinois Tollway's Job Order Contract Program. Duties include review of job order costs, running progress meetings, submittal review and on-site inspection. Job orders have involved storm water pipe replacement, sewer pipe replacement, landscape restoration, drainage line cleaning, generator repair, HVAC installations and maintenance facility remodeling.
Mike Barkley, Construction Inspector/ Materials Coordinator (Cotter Consulting)	20/5	-**IL 31 at IL 176 & Terra Cotta Rd, IDOT**: Materials Coordinator for this project that involved converting a 5 legged intersection into a 4 legged intersection. He ensured all material incorporated into the project was approved and QA/QC tested as well as performed field inspection duties. - Several **IDOT** projects as an inspector performed under a Various Various contract.
Jeff Adden, E.I.T. Asst. Resident Engineer/ Construction Inspector (Cotter Consulting)	4/4	-**Albany Tunnel Stormwater Diversion Tunnel, CDOT**: Field inspector for this ongoing $65 million project which involves 150' deep and 30' diameter intake and outfall shafts connecting to an 18' diameter mile long tunnel. Performed inspection of the contractors activities and provided required contract documentation. - Several **IDOT** projects as an inspector performed under a Various Various contract.
Divyesh Ray, Construction Inspector (Cotter Consulting)	30/.25	- Several **IDOT** projects as an inspector performed under a Various Various contract. He was responsible for daily activity inspection of construction activities and documentation of pay item quantities.
Jim Polous, Construction Inspector/Survey Technician (Cotter Consulting)	30/.25	-**IL Rte 137 (US 45 to Butterfield Rd) Resurfacing, IDOT**: Construction inspector for the resurfacing project which included milling, patching HMA paving, detector loops and pavement marking. Responsible for inspection and documentation of daily activities and pay items. -**Greensbrook St Water Main Improvement, Village of Hanover Park**: Survey Technician providing topographic survey information for incorporation in the design of this watermain improvement project.

Alex Higbee, E.I.T Construction Inspector/Doc Tech (Cotter Consulting)	2/2	**-IL 31 at IL 176 & Terra Cotta Rd, IDOT**: Field inspector for this project that involved converting a 5 legged intersection into a 4 legged intersection. He ensured field operations met with the contract specifications and documented daily pay item quantities.
Fred Petelle, Certified Weld Inspector, Construction Inspector (Cotter Consulting)	25/10	**-IL 31 at IL 176 & Terra Cotta Rd, IDOT**: Field inspector for this project that involved converting a 5 legged intersection into a 4 legged intersection. He ensured field operations met with the contract specifications and documented daily pay item quantities. **-130th & Torrence Ave, CDOT**: Construction inspector for the $170 million project for the intersection improvement project that also included construction of 6 bridges. He ensured field operations met with the contract specifications and documented daily pay item quantities. **-Chicago Riverwalk, CDOT**: Construction inspector for the $100 million project that included the construction of a riverfront theater, new business facilities, walk path and other amenities. He ensured field operations met with the contract specifications and documented daily pay item quantities.
Paul Lopez, PE, SE, Lead Structural/Field Engineer (WSP)	20/9	**-IDOT Stevenson / Lake Shore Drive Ramps**, Lead Structural Field Engineer for realignment & reconstruction of two multi-span steel stringer viaducts connecting Lake Shore Drive (US 41) to the Stevenson Expressway (I-55) **-IDOT Stony Island Ramps**, Lead Structural Field Engineer for reconstruction of several multi-span steel stringer viaducts connecting Stony Island Avenue to the Bishop Ford Expressway (I-94) **-Chicago DOT Wells Street Bascule Bridge Rehabilitation**, Lead Structural Field Engineer for the reconstruction of two bi-level bascule bridge leafs over the Chicago River. The bridge carried the CTA Brown Line on the upper level and Wells Street vehicle traffic on the lower level. **-Chicago DOT Wacker Drive North Viaduct Reconstruction**, Lead Structural Field Engineer for the complete reconstruction of Wacker Drive and associated lower level roadway from Randolph St. to Monroe St. Replacement structure featured thin-slab post-tensioned deck technology.
Anthony Marzucco, PE, Resident Engineer (WSP)	14/11	**-Wacker Drive Reconstruction, North Viaduct, CDOT**: documentation engineer for close-out activities for reconstruction of the Wacker Drive viaduct. Work included demolition of the existing reinforced concrete superstructure and substructure and construction of a new structure utilizing high-performance concrete and thin-slab post-tensioning of the superstructure. **-CDOT Citywide Inspection**, Chicago, Illinois: construction resident engineer involved in the inspection of several construction projects in various locations within the city. Projects involve repair, maintenance, reconstruction, and construction of the City's roadway infrastructure. The projects include resurfacing, curb and gutter reconstruction, sidewalks and alleys repair, street resurfacing and maintenance, street signage, and pavement marking and striping.

Adam Dumas, Field Engineer (WSP)	7/6	**-Wacker Drive Reconstruction, CDOT**: field engineer for reconstruction of Wacker Drive viaduct, a vital, two-level artery in Chicago's central business district. Project scope included demolition of the existing concrete superstructure and substructure, and construction of a new viaduct structure and lower roadway. New superstructure consists of a thin-slab post-tensioned high performance concrete deck with latex concrete overlay. Work also included rehabilitating the Randolph, Washington and Madison Street bascule bridges and constructing a new utility tunnel beneath Wacker Drive and the Chicago River.
Lam Nguyen, Field Engineer (WSP)	18/3	**-I-90 Arlington Heights Road to Oakton Street, IDOT**: field engineer for the roadway, retaining wall, and bridge reconstruction and widening for the three-mile long, $100 million Illinois Tollway add-lane project. Phase I work included extensive retaining wall construction, an additional outside lane with full shoulder, and modification/reconstruction of two bridge structures in both the northbound and southbound directions. Phase II work included the complete reconstruction of the two inside I-90 lanes in both the northbound and southbound directions. **-IL 120 at I-94 Interchange, Ramp Reconstruction, Illinois Tollway**: Reconstructed the IL 120 to I-90 SB entrance ramp and I-90 NB to IL 120 exit ramp utilizing temporary shoulders and stage construction. Project also included interchange lighting and drainage improvements.
Joseph Masessa, P.M. (CTL)	4/2	Project engineer/quality assurance manager for various Chicagoland municipalities, **including but not limited to Bloomingdale, Des Plaines, Northbrook, and Niles.** Verified test results with quality control testers to be within **IDOT and CDOT** requirements.
Chris Chan, P.E. (CTL)	15/13	Various **IDOT** Projects (District 3): Reviewed Structure Geotechnical Reports (SGR) for Bridge and Culvert replacement projects in District 3 of **IDOT**. Reviewed pile design, slope stability analysis, scour analysis and recommendations for construction.
Dharmesh Amin/ Engineering Technician (CTL)	13/7	Various **IDOT** projects, PTB 171-01 & 163-20 provided plant sampling, testing and inspection, hot mix asphalt plant site and field inspection, and other laboratory field testing.
Subhash Karna/ Engineering Technician (CTL)	10/10	Performed QA field testing on PCC and HMA materials for the **City of DesPlaines**' annual MFT, non-MFT and Sidewalk Replacement Program on this mult-year contract. Extensive coring and hand augering were performed throughout the City roadway to investigate pavement and base thickness.
Sachin Patel/ Engineering Technician (CTL)	10/9	Various **IDOT** Projects, PTB 171-01 & 163-20: Provided testing and inspection of various sources as well as testing and inspection of hot mix asphalt and Portland Cement Concrete. Provided support in the IDOT laboratories for testing of Hot Mix Asphalt and Aggregate materials in the Elgin Lab.

3

SOQ Form

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [ ] Design Engineering
- [ ] Wastewater Improvements
- [ ] Stormwater Engineering
- [X] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: Anne Edwards-Cotter

Print Name .....: Anne Edwards-Cotter

Position/Title.....: President

Company Name ...: Cotter Consulting, Inc.

Address line 1 .....: 100 South Wacker, Suite 920

Address line 2 .....: Chicago, IL 60606

Telephone.....: 312.327.1311

APPENDIX 2

VILLAGE OF BENSENVILLE
ENGINEER'S CERTIFICATION
(Sample Form)

Anne Edwards-Cotter, President, having been first duly sworn depose and states as follows:
(Officer or Owner of Company)

Cotter Consulting, Inc., having submitted a proposal for:
(Name of Company)

(PROJECT) to the Village of Bensenville, hereby certifies that said ENGINEER:

1. has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-105(A) (4).

2. is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, or if it is:
   a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the approve Revenue Act; or
   b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.

3. is in full compliance with the Federal Highway Administration Rules on Controlled Substances and Alcohol Use and Testing, 49 CFR Parts 40 and 382 and that All Employee Drivers
   (Name of employee/driver or "all employee drivers")
   is/are currently participating in a drug and alcohol testing program pursuant to the aforementioned rules.

By: Anne Edwards-Cotter
Officer or Owner of Company named above

Subscribed and sworn to
before me this 10th
day of October, 2017.

Claire Schuster
Notary Public

OFFICIAL SEAL
CLAIRE SCHUSTER
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:03/28/21

4

Understanding & Approach

Job Well Done Letters

Cotter Consulting, Inc. is pleased to present this proposal to provide **Resident Engineering Services** for the Village of Bensenville. Cotter has the relevant experience, qualified and local staff, supplemental resources, and proven skills to successfully provide these engineering services to the Village.

Solicitation Understanding

We understand that this solicitation for services involves providing Resident Engineering services to effectively and efficiently manage upcoming construction projects via a short list determination for a minimum period of three years. We understand that this scope entails providing an experienced team that may include some or all of the following project staff according to the size of the construction project: Resident Engineer, documentation technician, materials coordinator and field inspectors. Assignments may include but are not limited to: general construction inspection/observation, construction staking, documentation of quantities, material inspection and preparation of record drawings. At no time will Cotter Consulting, Inc fall below the minimum required 51% of the dollar value of the contract performed by direct employees of Cotter Consulting, Inc.

Keys to Success

Similar Project Experience

Cotter Consulting, Inc. is very experienced in providing full and partial teams to complete varying sizes of construction projects. Most recently, for the Illinois Department of Transportation (IDOT) under a Various Various contract, we were able to meet IDOT's request for supplemental inspection staff on numerous concurrent projects. Projects have ranged from resurfacing projects to intersection improvements to storm sewer projects. A sample of these projects are included for your review. For other clients we have been successful providing a single full time Resident Engineer to complete smaller sized projects. Identifying the client's need, fulfilling the client's need and delivering on our word has led to nearly a **90% repeat of business** from our clients.

Current Team Members

Our proposed team includes a wide variety of personnel and services available for use as deemed appropriate by the Village of Bensenville. They include senior and junior level Resident Engineers and inspectors that can be matched to the current need of the project. Senior level Resident Engineers have project experience with varying funding sources and multiple funding sources within a single project. They are familiar with the requirements for project documentation based on funding sources from the Federal (including grants), State and local levels.

This knowledge will come in handy with the upcoming projects funded by CDBG-DR for Bensenville, including the George St. bypass and the Bensenville Storm Sewer ($2.1 million alternate project). Internal to Cotter Consulting is a **mentor program**. This is used in situations where the cost of the professional services contract is prohibitive from utilizing a senior level Resident Engineer. The senior RE guides and instructs the junior level RE to ensure all the proper documentation related to the different funding source or grant is completed. This mentorship helps develop the junior level RE while simultaneously ensuring that required documentation is complete for the Village. This mentorship time from the senior level RE is provided to the Village **at no additional cost**.

Cotter also has an **internal audit process** in place where a member of the senior management team conducts audits of the project to ensure the highest quality of service is being provided to the client. This time and process is also done **at no cost to the client** to not only show the level of commitment of Cotter's senior management to the success of each project, but also the dedication Cotter has to the client.



Joe Hunn , PE

The Cotter Team also includes the personnel and vast resources of WSP. WSP is a large, multi-faceted and international firm. WSP has available **structural** and electrical engineers. Although it is only anticipated that it will supplement our own staff with inspectors and REs from WSP, their **vast amount of resources** will be at the Village's disposal with this team.

CTL is one of the most responsive and dependable testing companies in the Chicagoland region. They have personnel that can respond to testing needs with minimal notice. They have an IDOT certified and local lab in Warrenville, IL, that can run any soils, HMA or PCC test that is required. CTL will be used to fulfill any QA testing requirements for the Cotter team.

Cotter has partnered with both of these firms on numerous projects and has already established a c**ohesive bond that lets the team hit the ground running** at full tilt at the start of any project. Prequalifications of each firm are included for the Village's reference.

Cotter Approach – Our approach to each project is to establish a **"One Team"** mindset. We know that adversarial relationships with a contractor are counterproductive and can lead to budgets and schedules being overrun and result in slow project closeout. We emphasize ongoing and open communication between the client, designer, consultant Phase III team, and the contractor. In numerous cases this has led to innovative and cost effective solutions.

- In one recent project, the Cotter team reviewed the proposed Maintenance of Traffic (MOT) plans and associated line item costs in the contract. Based on previous experiences, the RE was able to propose a revised MOT and lane closure detail to the designer. Upon review of the revised MOT plan by the designer and approval by the client, numerous lane closures and the proposed detour route were eliminated. This resulted in a higher production rate for the contractor and a large savings to the client. The contract work was completed well before the completion date and the project was closed out before it was even supposed to be finished.

- In another instance, the Cotter project team worked with the manufacturer of a structural enhancement material and the contractor to propose a different product for the contract work. The proposed equivalent material was accepted and the contractor's schedule was positively impacted, again allowing it to be completed well before the completion date.

- In a final example, another client wanted to add scope to the contract after the bids were already opened and awarded. Using the "One Team" approach and keeping the lines of communication open, significant scope was added and the contractor was able to revise their project schedule without adjusting any of the milestones.

In summary, Cotter Consulting, Inc. has a history of successfully leading teams on similar styles of contracts. We use the "One Team" approach to managing projects and staff those projects with the appropriate level and number of personnel. We have included subconsultants on this team that add direct value for the Village of Bensenville with decades of experience and an immense amount of supplemental services available for the Village's use.

Illinois Department of Transportation

Region 1/District 1
201 W. Center Ct.
Schaumburg, IL 60195

October 10, 2017

To Whom It May Concern:

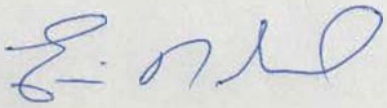
I would like to commend Cotter Consulting with a "Job Well Done" for Construction Engineering Services performed under a Phase III contract for the intersection reconstruction and traffic signal modernization of IL 31 at IL 176 and Terra Cotta Road for the $10.2 million project during the 2013 and 2014 construction seasons. Cotter Consulting, Inc. provided a project team consisting of a Liaison Engineer, documentation technician, materials coordinator and field inspectors for this contract.

The Cotter staff on the project were very reliable and responsive. They were always well informed of applicable procedures and protocols. Cotter's staff members ensured work was performed according the contract specifications and documented accurately. Cotter personnel worked seamlessly with IDOT staff.

Cotter management was proactive in maintaining the consultant budget for this project and kept in constant contact with the project team and IDOT to ensure the team was performing to a high standard.

Do not hesitate to contact me if you would like more information regarding my experience with the Cotter team.

Sincerely,



Eric Norland, P.E.
Resident Engineer
Bureau of Construction–District 1
Eric.Norland@illinois.gov

Illinois Department of Transportation
Office of Highways Project Implementation / Region 1 / District 1
201 West Center Court / Schaumburg, Illinois 60196-1096

October 10, 2017

To Whom It May Concern:

I would like to commend Cotter Consulting with a "Job Well Done" for Construction Inspection Services performed under a Various Various contract (2015-present). Cotter staff members were used to supplement IDOT project staff on contracts varying in size and scope including: HMA resurfacing, pavement patching, culvert wing wall replacement, electrical items, storm sewer, drainage structures, landscaping and pavement markings.

Cotter management takes a proactive approach to communication. Throughout the contract Cotter management has been responsive to calls and emails and kept the lines of communication open. Management provided staff with the appropriate level of experienced personnel to fit the project need.

Cotter staff members are very dependable and diligent. They were always knowledgeable of IDOT standards and project specifications. Cotter's staff ensured work was proceeding as intended to meet the project milestones and kept a close eye on quantities to make certain that project budgets were maintained. Cotter staff completed project documentation on time to ensure there were no delays in keeping pay estimates accurate.

Do not hesitate to contact me if you would like more information regarding Cotter's performance.

Sincerely,

Jonathan M. Schumacher, P.E
Area Supervisor
Bureau of Construction–District 1
Jonathan.Schumacher@illinois.gov

Illinois Department of Transportation
Office of Highways Project Implementation / Region 2 / District 2
819 Depot Avenue / Dixon, Illinois 61021-3500

PROGRAM DEVELOPMENT
Consultant Services

Various Routes
Various Sections
Various Counties
Various Bridge Rehabilitation Projects
Job No. D-92-076-12
PTB 164/012

June 26, 2017

Mr. John Trotta
WSP USA, Inc.
30 North LaSalle, Suite 4200
Chicago, Illinois 60602

Dear Mr. Trotta:

Your firm was a sub-consultant for HBM Engineering Group, LLC which performed work on Various Bridge Rehabilitation projects in District 2. This work was identified as Item #012 in Professional Transportation Bulletin 164.

I am pleased to inform you that personnel in our Bureau of Program Development feel that your overall performance on this project was good.

I will be looking forward to continuing a relationship between your firm and District 2 on future efforts. If you wish to discuss this evaluation, please call me at 815/284-2271.

Sincerely,

Kevin Marchek, P.E.
Region Two Engineer

DH-0165/fd
Enclosures
c: Maureen Addis, Attn: Jack Elston

Americas Awards Committee
Parsons Brinckerhoff Project-of-the-Year

January 9, 2014

Dear Committee Members:

This letter is written in support of Parsons Brinckerhoff's nomination of the Chicago Department of Transportation's (CDOT) Wells Street Bascule Bridge Rehabilitation Project for the Parsons Brinckerhoff 2013 Project of the Year Selection. The Wells Street Bascule Bridge has become an iconic structure in Chicago representing the city's historic past and dynamic future. Spanning the Chicago River and carrying both vehicular traffic and Chicago Transit Authority (CTA) rail lines, this double leaf, fixed trunnion "Chicago Style" bascule bridge serves as a vital link between the city's largely residential north side and the important Central Business District (CBD). The structure, constructed in 1922, was however experiencing severe deterioration and required a full rehabilitation to keep the bridge in working order. Parsons Brinckerhoff (PB) provided construction engineering services for this project.

The construction plan for the structure involved rehabilitation of the bridge trusses with selective replacement and/or repairs of the great majority structural steel members; cleaning and painting of structural steel and bridge machinery; rehabilitation and/or replacing electrical and mechanical systems; and rehabilitation of all architectural elements of the bridge houses. The work was greatly complicated by the presence of the CTA transit line supported on the upper level of the truss and the restriction that this line could only be disrupted for two-nine day closures that coincided with scheduled track maintenance to the north and south of the bridge. Two closures were necessary because one leaf had to be maintained and operable at all times to make way for the recreational boat traffic that travels the river.

Designed to replicate the existing bridge trusses, the new trusses were constructed off-site prior to the bridge closings. The first closing took place in early March during which the south leaf was replaced; the second took place from April 26 to May 5 during which the north leaf was replaced. A new preassembled truss was floated up the river on a barge before the start of each closure. Then at the beginning of the work period the existing truss was cut loose and the new truss was floated into place. The new leaves were successfully replaced during the two closure windows and after each closure, CTA train service was promptly restored. It is estimated that by coordinating their projects the CDOT and the CTA saved $500,000. Reconstruction of the entire structure, including the lower-level roadway was completed and open to traffic on November 21, nearly two weeks ahead of schedule.

The challenges of this project were many, and PB met each with skill and professionalism. PB provided critical schedule and construction staging analysis, quality oversight and worked closely with Walsh Construction, with II in One Contractors, and CDOT to overcome a myriad of obstacles in the field. Parsons Brinckerhoff consistently brought innovative and team-oriented solutions to construction issues and was very responsive to CDOT as project owner.

CDOT is very pleased with the professional construction engineering services provided by Parsons Brinckerhoff for the Wells Street Bascule Bridge Rehabilitation Project. The project has received very positive feedback from the traveling public and local media and has been touted as exemplifying the goals of Chicago Mayor Rahm Emanuel's Building a New Chicago program to improve the city's infrastructure while preserving its history and limiting negative impacts on residents. Mayor Emanuel and Commissioner Gabe Klein joined me and other City of Chicago dignitaries to open the bridge to traffic on the morning of November 21. Completion of this complicated, high-profile project has enhanced the Department's reputation to complete important work on time and within budget.

Very Truly Yours,

Daniel Burke, P.E., S.E.
Deputy Commissioner/Chief Engineer

Illinois Department of Transportation

Office of Highways Project Implementation / Region 1 / District 1
201 West Center Court / Schaumburg, Illinois 60196-1096

Materials
Interim Subconsultant Performance Evaluation
District One
PTB No. 178-007

August 9, 2017

Mr. Jay Miller
Vice President of Operations
Chicago Testing Laboratory, Inc.
30W114 Butterfield Road
Warrenville, IL 60555

Dear Mr. Miller:

We are forwarding a copy of the Interim Subconsultant Performance Evaluation for the Quality Assurance, HMA, PCC, and Aggregate work your firm is performing for the Department on the following project:

Various locations in District One

This interim evaluation is for your information only and is intended to inform you of our evaluation of your firm's performance during the last year. The evaluation is self-explanatory and includes ratings for the various listed subtasks, as appropriate.

Based on our evaluation, we have given your firm a good overall rating for the work your firm has performed.

We are pleased to have the opportunity to advise a consultant that their performance has been assessed at this level. We hope to continue to see your firm's work rated at this level in the future.

If you have any questions or need additional information, please contact Mr. George Houston, P.E., Bureau Chief, at (847) 705-4361.

Very truly yours,

Anthony J. Quigley, P.E.
Region One Engineer

cc: Jack Elston

Illinois Department of Transportation
Office of Highways Project Implementation / Region 1 / District 1
201 West Center Court / Schaumburg, Illinois 60196-1096

Materials
Interim Consultant Performance Evaluation
District One
PTB No. 179-010

August 9, 2017

Mr. Jay Miller
Project Manager
Chicago Testing Laboratory, Inc.
30W114 Butterfield Road
Warrenville, IL 60555

Dear Mr. Miller:

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Various locations in District One

This interim evaluation is for your information only and is intended to inform you of our evaluation of your firm's performance during the last year. The evaluation is self-explanatory and includes ratings for the various listed subtasks, as appropriate.

Based on our evaluation, we have given your firm a good rating for work your firm performed. We are pleased to have the opportunity to advise a consultant that their performance has been assessed at this level. We hope to continue to see your firm's work rated at this level in the future.

If you have any questions or need additional information, please contact Mr. George Houston, P.E., Bureau Chief, at (847) 705-4361.

Very truly yours,

Anthony J. Quigley, P.E.
Region One Engineer

cc: Jack Elston

BENSENVILLE
GATEWAY TO OPPORTUNITY



Statement of Qualifications
Establishment of Short-Lists For
Civil Engineering Services

October 19, 2017 at 3PM

Submitted By:

DAVID MASON
+ ASSOCIATES

DAVID MASON
+ ASSOCIATES

464 N. Milwaukee Avenue
Chicago, Illinois 60654
312.884.5100

October 19, 2017

Joseph M Caracci, PE
Director of Public Works
Village of Bensenville
717 E Jefferson Street
Bensenville, Illinois 60106

RE: Statement of Qualifications - Civil Engineering Services for Establishment of Short-Lists

Mr. Caracci:

DAVID MASON + ASSOCIATES (DMA) is a professional engineering company, incorporated in March of 1989, and headquartered in St. Louis, Missouri with offices in Chicago and Philadelphia. Since our inception, we have specialized in the practice of engineering, surveying, and architecture which allows us to provide a full range of planning, design, management, and inspection services. Our staff of over 140 civil engineers, structural engineers, surveyors, electrical engineers and administrators provides a level of experience that allows DMA to service our clients with the highest level of professionalism and successfully administer projects from beginning to end. DMA deploys the latest technology to provide added value to our clients and their projects. Our technical staff designs and manages a diverse portfolio of infrastructure projects that include roads and highways, streetscapes and intersections, utility relocations, water and sewer construction, stormwater management systems, public and recreational spaces, and building expansions.

As design professionals, we recognize that our public sector projects must provide maximum value to our clients and people they serve. For nearly 30 years, and as a certified Minority Owned Business Enterprise (MBE) with the State of Illinois, we have established ourselves a preferred vendor for a variety of public sector clients that turn to DMA for our continued commitment to the highest technical standards and the efficiency of the work we produce.

David Mason + Associates is excited to have this opportunity and is respectfully submitting this SOQ response to the Village of Bensenville and is committed to providing engineering services of the highest quality.

Sincerely,
David Mason + Associates

Thomas P. Kracun, PE
Vice President

TABLE OF CONTENTS

A Statement of Qualifications

B Similar Project Experience

C Current Team Members

D Evaluation Forms

Statement of Qualifications

A



STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [1] Design Engineering
- [ ] Wastewater Improvements
- [2] Stormwater Engineering
- [ ] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

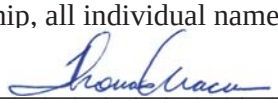
For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: 

Print Name .....: Thomas P. Kracun

Position/Title.....: Vice President

By.....:

Print Name .....:

Position/Title.....:

Company Name ...: David Mason + Associates

Address line 1 .....: 464 N Milwaukee Ave

Address line 2 .....: Chicago, IL 60654

Telephone.....: 312.884.5100

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....:

Print Name .....:

Position/Title.....:

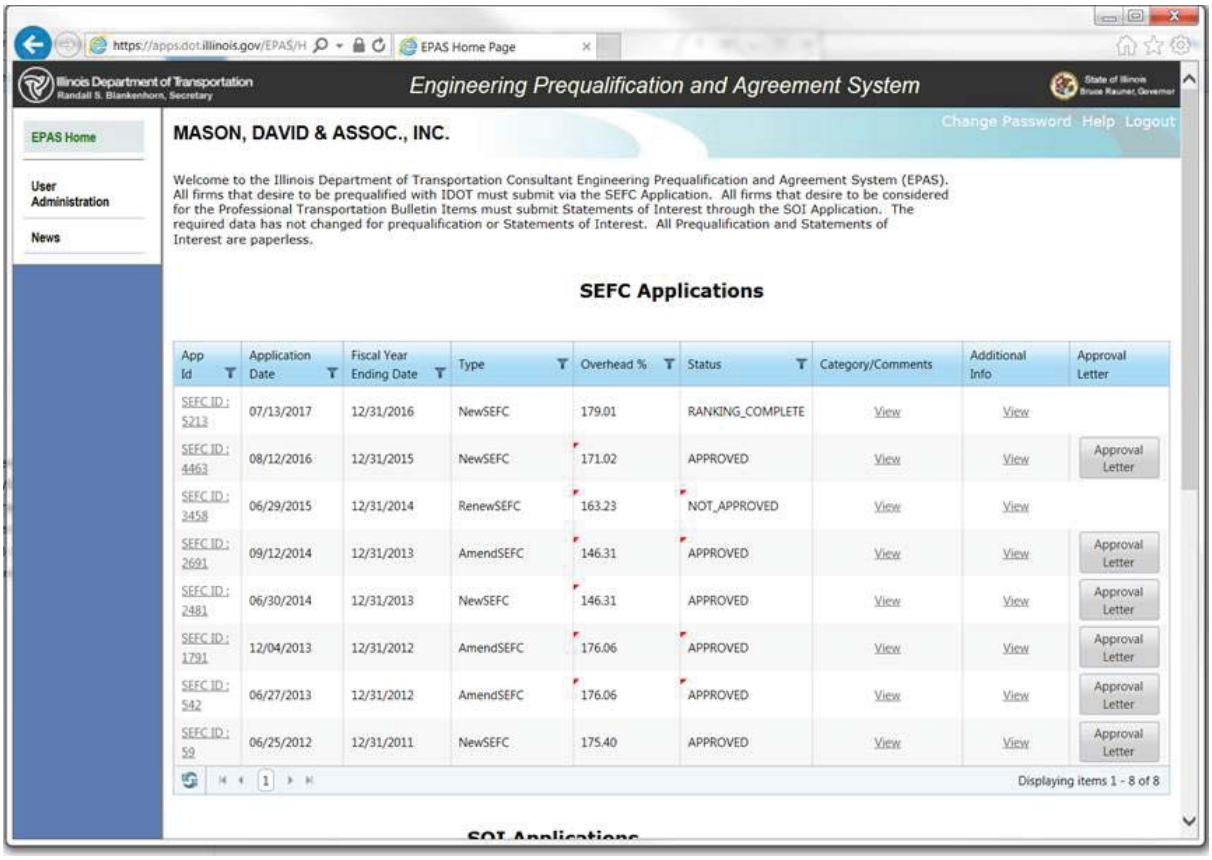
Company Name ...:

Address line 1 .....:

Address line 2 .....:

STATEMENT OF QUALIFICATIONS CONTINUED

DMA is submitting our IDOT Statement of Experience and Financial Conditions Prequalifications letter from 2016 as our current approval letter is still being processed. IDOT has been inundated with submissions this year and is delayed in processing applications and subsequent approval letters. Included herein is a screen shot directly from their website with the current status of our application and the 2016 letter immediately following. We would like to reserve the right to adjust our overhead rate to the new rate once IDOT has provided us with the new approval letter. Our rate would go from 171.02 to the new 179.01.



Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

August 29, 2016

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Taylor Mason
MASON, DAVID & ASSOC., INC.
800 South Vandeventer Avenue
Saint Louis, MO 63110

Dear Taylor Mason,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $15,200,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 171.02% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR MASON, DAVID & ASSOC., INC.

CATEGORY	STATUS
Highways - Roads and Streets	X
Special Services - Architecture	X
Special Studies - Location Drainage	X
Airports - Design	X
Special Services - Sanitary	X
Location Design Studies - Rehabilitation	X
Hydraulic Reports - Pump Stations	X
Highways - Freeways	A
Structures - Highway: Typical	X
Hydraulic Reports - Waterways: Typical	X
Structures - Highway: Simple	X
Special Services - Surveying	X
Special Studies - Pump Stations	A
Structures - Highway: Advanced Typical	A

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

STATEMENT OF QUALIFICATIONS CONTINUED

We design where you work, live, and play.

David Mason + Associates established our practice within the Chicagoland market in 2002. In that time, we have successfully provided professional civil engineering services for a variety of public agencies, private institutions, and commercial clients. Our office is strategically located in the Chicago's River West neighborhood which allows us to effectively service clients throughout the region. Based on our clients' needs, we routinely provide staff dedicated to specific projects from inception to completion. This level of service includes immediate on-site attention to field related issues during construction.

DMA's Methodology

David Mason + Associates has adopted a standard project implementation process that is tailored to meet the needs of our individual clients and project needs. The basis of this process are three fundamentals that are essential for the successful design and execution of any project: (1) strong, expert leadership; (2) a clear plan; and (3) effective communication. Each project specific process may include the following steps:

Pre-Design
Kick-Off Meeting
Site Visit
Document Research (as-built drawings, public records)
Data Collection (topographic and boundary surveys, sewer televising, geotechnical investigation, environmental assessments)
Budget Verification
Schedule Verification
Sustainability Objective Review

Design
Project Verification
Conceptual Design
Schematic Design
Design Development
Construction Documents

Bidding
Response to bidder RFI's
Review of bids and recommendations

Construction
Review of Contractor submittals
Response to RFI's
Attendance at regular construction meetings
Field visits as required during construction

The DMA team will collaborate and work closely with Owner/Client team to clearly define all relevant project goals, objectives, and functions. As a Prime Consultant on a wide range of contracts, we routinely lead collaborative efforts and are the main point of contact between our design teams and the Owner/Client. Based on our civil experience, we understand the importance of the communities served and it is our belief community outreach and engagement



educates the public on the goals and design of a project which can be critical to its success.

David Mason + Associates is committed to the technology that drives our industry. We implement the latest design and communication software to maximize project efficiency and the level of communication between the stake holders. This results improved design accuracy, minimal revisions during construction, and reduced overall project cost. Efficient communication between the team and Owner/Client accelerates the design process by reducing the need for revisions and plan changes. During construction, rapid response to questions in the field further reduce schedule delay and project cost. DMA routinely adopts software systems used by our clients for construction management.

Project scheduling and cost estimating

At the request of our clients, DMA provides schedule and cost estimates for capital improvement projects. We work directly with the village administrators and end users to determine overall program needs and how to implement projects based on the community year calendar. By identifying windows of opportunity within the schedule and coordinating them with critical path items on the design and construction schedule, we strive to minimize disruption to the village's recreational environment. Based on project specific needs, we can engage sub-consultants to provide real world cost estimating that reflects current market conditions and fluctuations and gives our clients the best possible tools for decision making related to capital expenditure.

Quality Assurance / Quality Control (QA/QC)

Internal QA/QC Procedures

All Design Team members have formal in-house QA/QC procedures in place which emphasize independent quality reviews, quality control checklists, and tracking procedures. Copies of the team members' internal QA/QC procedures will be provided to the Village staff if requested.

This QA / QC program requires that a Project Management Plan be prepared for every project. This plan contains information regarding the client, the contract and the project scope; a chart of the project organization; the project schedule including milestones, client deliverables, planned independent technical reviews, and the Project QA Plan; the annotated contract; and the delineation of communications and documentation as well as work performance (tasks, budgets, manpower requirements, subconsultant assignments, and a list of anticipated drawings).

The procedures documented in the Quality Assurance Manual, supplemented by discipline-specific procedures manuals, describe how calculations, drawings, specifications and reports are prepared. Calculations and drawings are subjected to detailed checking procedures by members of the project team other than the originator. To meet this objective, our team has multiple staff members with expertise in each of the areas required by the solicitation to assure that checking can be done by a "fresh set of eyes." All quality assurance activities are documented in standardized format. This documentation is filed in the QA file that is part of every project's central file.

Similar Project Experience

B



SIMILAR PROJECT EXPERIENCE DESIGN ENGINEERING

Project / Client	CPS Calumet Career Perspectives Academy, Chicago, Illinois / Chicago Public Schools
Scope of Work / Client POC	Project included full depth pavement reconstruction, surface drainage improvements, permeable pavement, and storm water management. / Mark Kozlowski / 42 W Madison St Chicago, IL 60602 / 312.577.6464
Project Team	Thomas Kracun, PE / Suzette Evans, PE / Chad Hooper
Construction Cost / Fee / Year	Construction Cost $650,000 / Fee $45,000 / 2015

Project / Client	Chicago Park District, Wilson Avenue Parking Lot, Chicago, Illinois / The Lakota Group
Scope of Work / Client POC	Chicago Park District project plans to reconstruct the Wilson Avenue parking lot at Montrose Beach at Lake Michigan. The goal of the project is to implement green infrastructure technology including permeable pavement into the redevelopment of the 4 acre parking facility. Work will include drainage upgrades, pavement reconstruction, and landscape improvements. / Ellen Schmidt / 116 W Illinois St Chicago, IL 60654 / 312.467.5445
Project Team	Thomas Kracun, PE / Suzette Evans, PE / Chris Mills, PE
Construction Cost / Fee / Year	Construction Cost $2.7M / Fee $65,000 / 2015-2016

Project / Client	ComEd Systemwide Facility Pavement Reconstruction Chicago, Illinois / ComEd
Scope of Work / Client POC	Prepared construction documents and plans that included pavement details, stormwater management designs, and utility relocations and reconstruction. Pavement work has included full depth heavy duty concrete and asphalt replacement, asphalt resurfacing, and pervious concrete construction. DMA coordinated all stormwater management permits with the City of Chicago Department of Water Management. / Mike Domasica / Lincoln Center 3 Oakbrook Terrace, IL 60181 / 630.386.6828
Project Team	Thomas Kracun, PE / Chris Mills, PE / Chad Hooper
Construction Cost / Fee / Year	Construction Cost $500,000 / Fee $175,000/ On-going

SIMILAR PROJECT EXPERIENCE CONTINUED






CHICAGO PUBLIC SCHOOLS - CALUMET CAREER PERSPECTIVES ACADEMY

Chicago, Illinois

David Mason + Associates provided civil engineering services and construction oversight for the reconstruction of a parking lot and alley at the Calumet Career Perspectives Academy located at 8131 S. May Street. Project included full depth pavement reconstruction, surface drainage improvements, permeable pavement, and storm water management.

Details

Owner:
Chicago Public Schools

Start Date:
May 2015

Completion Date:
December 2015

Construction Cost:
$650,000

DMA Services:
Civil Engineering
Construction Admin.

Contact:
Mark S. Kozlowski, PE
Design Manager
Chicago Public Schools
312.577.6464
mskozlowski@cps.edu

DMA Staff:
Tom Kracun, PE
Suzette Evans, PE
Chad Hooper

SIMILAR PROJECT EXPERIENCE CONTINUED







CHICAGO PARK DISTRICT - WILSON AVENUE BEACH PARKING LOT

Chicago, Illinois

The Chicago Park District parking lot at Wilson Avenue beach underwent a full reconstruction in 2016. David Mason + Associates provided civil engineering services and the project included the demolition and reconstruction of five acres of pavement, drainage infrastructure, and landscaping. In addition, a new underground stormwater infiltration system was designed to significantly reduce runoff and minimize the potential for local flooding.

Details

Owner:
Chicago Park District

Start Date:
September 2015

Completion Date:
May 2016

Construction Cost:
$2.7 Million

DMA Services:
Civil Engineering

Contact:
The Lakota Group
116 West Illinois Street
Chicago, Illinois 60654
Ellen Schmidt, PLA
312.467.5445

DMA Staff:
Tom Kracun
Suzette Evans
Chris Mills

SIMILAR PROJECT EXPERIENCE CONTINUED





COMED - SYSTEMWIDE FACILITY PAVEMENT RECONSTRUCTION

Chicago, Illinois

David Mason + Associates (DMA) has been providing civil engineering services to ComEd for pavement reconstruction throughout their system since 2011. The ComEd pavement inventory includes employee parking lots, equipment storage yards, and warehouse aprons and circulation areas.

DMA prepared construction documents and plans that included pavement details, stormwater management designs, and utility relocations and reconstruction. Pavement work has included full depth heavy duty concrete and asphalt replacement, asphalt resurfacing, and pervious concrete construction. DMA coordinated all stormwater management permits with the City of Chicago Department of Water Management.

Details

Owner:
Commonwealth Edison

Start Date:
2011

Completion Date:
On-going

Construction Cost:
$500,000+

DMA Services:
Civil Engineering

Contact:
ComEd
Lincoln Center 3
Oakbrook Terrace, IL 60181
T: 630.386.6828
Mike Domasica

DMA Staff:
Tom Kracun
Chad Hooper
Chris Mills

SIMILAR PROJECT EXPERIENCE

STORMWATER ENGINEERING

Project / Client	University of Illinois at Urbana-Champaign - First and Stadium Play Field Multiplex, Champaign, Illinois / FGM Architects
Scope of Work / Client POC	Built as part of a multi-phase project for Phase III of Ikenberry Commons at the University of Illinois at Urbana-Champaign, the facility was designed to accommodate 4 regulation flag football fields, 2 soccer fields, and a regulation football field to act as a training facility for the Marching Illini band. Approximately 1,000' of roadway resurfacing, intersection drainage improvements, a 600 foot 36" diameter stormwater bypass sewer, and a 10 acre-foot StormTrap® underground regional storm water management facility were designed and built beneath the athletic complex to achieve this goal. / David Yandel / 200 W Jackson Blvd Suite 1040 Chicago, IL 60606 / 312.948.8461
Project Team	Thomas Kracun, PE / Suzette Evans, PE / Chad Hooper
Construction Cost / Fee / Year	Construction Cost $4M / Fee $240,000 / 2016

Project / Client	Metropolitan Water Reclamation District of Greater Chicago - Cicero Stormwater Flood Control Project, Cicero, Illinois / MWRDGC
Scope of Work / Client POC	DMA worked with the Town of Cicero and MWRDGC staff to develop stormwater management strategies to address the current and ongoing flooding concerns in this area. DMA's team then developed preliminary design documents and drainage modeling as a basis for a cost-benefit analysis of various design storms and associated stormwater detention volumes. / Joe Kratzer / 111 E Erie St, Chicago, IL 60611 / 312.751.3084
Project Team	Thomas Kracun, PE / Suzette Evans, PE / Chad Hooper / Chris Mills, PE
Construction Cost / Fee / Year	Construction Cost $5M / Fee $85,000 / 2015

Project / Client	Peoples Gas State of the Art Training Center (SATC) / Peoples Gas
Scope of Work / Client POC	Project includes a 30,000 square foot building, Service Station and Warehouse, 50,000 square foot Gas City leak investigation field and training area, approximately 250 parking spaces, greenspace, landscape improvements, and an underground stormwater management on approximately 10 acres of existing industrial land. / Ray Deatherage / 1235 S Kilbourn Ave Chicago, IL 60623 / 773.542.7977
Project Team	Thomas Kracun, PE / Suzette Evans, PE / Chad Hooper / Chris Mills, PE
Construction Cost / Fee / Year	Construction Cost $15M / Fee $185,000 / 2016

SIMILAR PROJECT EXPERIENCE CONTINUED







UNIVERSITY OF ILLINOIS at URBANA-CHAMPAIGN FIRST AND STADIUM PLAY FIELD MULTIPLEX

Chicago, Illinois

David Mason + Associates provided civil engineering services for a new a four acre artificial turf multi-purpose athletic complex. Built as part of a multi-phase project for Phase III of Ikenberry Commons at the University of Illinois at Urbana-Champaign, the facility was designed to accommodate 4 regulation flag football fields, 2 soccer fields, and a regulation football field to act as a training facility for the Marching Illini band.

In addition to creating a recreational athletic complex, this site was designed as a regional stormwater management facility to capture and detain runoff from the future phases of Ikenberry Commons as well as to eliminate recurring flooding along the First Street corridor. Approximately 1,000' of roadway resurfacing, intersection drainage improvements, a 600 foot 36" diameter stormwater bypass sewer, and a 10 acre-foot StormTrap® underground regional storm water management facility were designed and built beneath the athletic complex to achieve this goal.

Details

Owner:
University of Illinois at Urbana-Champaign

Start Date:
October 2012

Completion Date:
Design 2013
Construction 2016

Construction Cost:
$4 Million

DMA Services:
Civil Engineering
Construct. Administration

Contact:
FGM Architects
200 W Jackson Blvd. Ste.1040
Chicago, Illinois 60606
David Yandel
312.948.8461

DMA Staff:
Tom Kracun
Chad Hooper
Suzette Evans

SIMILAR PROJECT EXPERIENCE CONTINUED



METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO - CICERO STORMWATER FLOOD CONTROL PROJECT

Chicago, Illinois

David Mason + Associates was hired directly by MWRDGC to develop civil engineering design solutions to address flooding in the vicinity of 36th Street and 61st Avenue in Cicero, IL. DMA worked with the Town of Cicero and MWRDGC staff to develop stormwater management strategies to address the current and ongoing flooding concerns in this area. DMA's team then developed preliminary design documents and drainage modeling as a basis for a cost-benefit analysis of various design storms and associated stormwater detention volumes.

Currently served by a combined sewer system, it was determined that the best solution for the area would be a storm sewer separation in the surrounding watershed and an underground stormwater detention system beneath Kolar Park.

DMA will complete construction documents for the project once the intergovernmental agreement between MWRDGC and the Town of Cicero is in place and funding is secured.

Details

Owner:
MWRDGC

Start Date:
April 2015

Construction Date:
TBD

Construction Cost:
$5 Million

DMA Services:
Civil Engineering

Contact:
MWRDGC
111 E. Erie Street
Chicago, Illinois 60611
T: 312.751.3084
Joe Kratzer, PE, CFM

DMA Staff:
Tom Kracun
Suzette Evans
Chad Hooper
Chris Mills

SIMILAR PROJECT EXPERIENCE CONTINUED







PEOPLES GAS - STATE OF THE ART TRAINING CENTER (SATC)

Chicago, Illinois

Peoples Gas is building a new State of the Art Training Center on Chicago's near southwest side. The project includes a 30,000 square foot building, Service Station and Warehouse, 50,000 square foot Gas City leak investigation field and training area, approximately 250 parking spaces, greenspace, landscape improvements, and an underground stormwater management on approximately 10 acres of existing industrial land.

David Mason + Associates (DMA) design included the investigation and restoration of off-site private utilities and well as coordination of the design with the proposed Remedial Action Plan. The site required environmental remediation and the clean-up and restoration of an additional 7 acres of adjacent property.

Details

Owner:
The Peoples Gas Light and Coke Company

Start Date:
November 2015

Completion Date:
October 2016

Construction Cost:
$15 Million

DMA Services:
Civil Engineering

Contact:
Peoples Gas
1235 South Kilbourn Avenue
Chicago, IL 60623
Ray Deatherage
Manager Technical Training
(773) 542-7977

DMA Staff:
Tom Kracun
Suzette Evans
Chad Hooper
Chris Mills

Current Team Members

C



CURRENT TEAM MEMBERS DESIGN + STORMWATER ENGINEERING

Name / Registration / Title	Years of Exp. / @ Firm	IDOT / Municipal Project Experience
Thomas P. Kracun, PE / Project Manager tkracun@davidmason.com	22/8	Project manager for IDOT, Illinois Tollway, and City of Chicago projects including roadway, intersection, drainage, utility, flood control, and pavement design. I-294 pavement resurfacing, CDOT intersection and crosswalk reconstruction.
Suzette Evans, PE / Civil Engineer sevans@davidmason.com	23/13	Project manager for IDOT, Illinois Tollway, and City of Chicago projects including roadway, intersection, drainage, utility, flood control, and pavement design. I-294 pavement resurfacing, CDOT intersection and crosswalk reconstruction.
Chris Mills, PE / Civil Designer cmills@davidmason.com	4/3	Coordinated Base Flood Elevation (BFE) determination and depressional storage calculations for private/public flood control project in Villa Park. Project Engineer for system wide infrastructure improvements for ComEd facilities including pavement, utilities, and drainage system reconstruction. Extensive infrastructure design experience, including utilities, sewer & water, storm sewer, and stormwater management.
Chad Hooper Civil Design Manager chooper@davidmason.com	20/7	Utilizes AutoCAD Civil 3D, MicroStation/GEOPAK to prepare construction documents. Prepared pavement resurfacing plans for I-294 (Illinois Tollway), Navy Pier Gateway Park intersection reconstruction, and airfield pavement design for the NE Cargo Facility (O'Hare International Airport).
* Additional Support Staff Available as Needed		

Thomas Kracun, PE

Project Manager



Credentials

Years of Experience: 22

Education:
Bachelor of Science in Civil Engineering, University of Illinois Urbana- Champaign

Registration:
Professional Engineer Illinois

Thomas Kracun provides expert leadership in the coordination of planning, design and construction processes across multiple disciplines. He is responsible for overseeing all civil engineering efforts including site demolition plans, site layouts, utility design, erosion control plans, and storm water management plans. His range of duties includes the preparing budgets and design schedules, directing and allocating project staff, and managing all levels of project coordination. Comprehensive engineering project management is a daily requirement of his responsibilities and he has established a track record of designing functional solutions for unconventional problems, leading teams that provide exceptional design solutions resulting in projects that exceed client expectations.

RELATED EXPERIENCE

University of Chicago Medicine, Center for Care and Discovery, Chicago, Illinois
New ten story 1.2 million square foot hospital located on three acres of high density redeveloped medical campus land. Project included reconstruction of perimeter streets, upgrades to public utilities including water mains and combined sewers, a new private road, wayfinding and signage, new on-site

Chicago Park District, Wilson Avenue Parking Lot, Chicago, Illinois
Chicago Park District project plans to reconstruct the Wilson Avenue parking lot at Montrose Beach at Lake Michigan. The goal of the project is to implement green infrastructure technology including permeable pavement into the redevelopment of the 4 acre parking facility. Work will include drainage upgrades, pavement reconstruction, and landscape improvements.

University of Illinois Urbana/Champaign First and Stadium Multiplex Arena - Urbana/Champaign, Illinois
Provided civil engineering services for a new a four acre artificial turf multi-purpose athletic complex. Built as part of a multi-phase project for Phase III of Ikenberry Commons at the University of Illinois at Urbana-Champaign, the facility was designed to accommodate 4 regulation flag football fields, 2 soccer fields, and a regulation football field to act as a training facility for the Marching Illini band.

Navy Pier Gateway Park, Chicago, Illinois
Design and construction oversight for lane modifications, bus drop-off areas, ADA improvements, traffic calming devices, overhead signage and wayfinding, and the incorporation of landscape master plan and lighting improvements into the primary intersection at entrance to Navy Pier.

Com Ed – Substation Security
Civil engineering services for systemwide comprehensive substation security infrastructure pursuant to the Federal Energy Regulatory Commission Physical Security Reliability Standard. Design services for perimeter fencing and drainage infrastructure, coordination with electronic surveillance and coordination of all environmental and zoning permits in support of construction.

MWRDGC Cicero Stormwater Flood Control Project Cicero, Illinois
Worked with the Town of Cicero and MWRDGC staff to develop stormwater management strategies to address the current and ongoing flooding concerns in this area. DMA's team then developed preliminary design documents and drainage modeling as a basis for a cost-benefit analysis of various design storms and associated stormwater detention volumes.

Suzette Evans, PE, LEED AP

Civil Engineer



Suzette Evans has established a solid reputation for her knowledge, experience and expertise in the field of civil engineering. Working closely with clients, she has led numerous design teams, on a variety of transportation and roadway projects, taking them successfully from planning through construction. Ms. Evans has been responsible for projects involving master planning, and feasibility studies for site development, utility coordination, stormwater management, demolition and renovation/ rehabilitation for an array of project types including recreational and athletic facilities.

Credentials

Years of Experience: 23

Education:
Valparaiso University, Bachelor of Science in Civil Engineering

University of Illinois, Master of Science in Civil Engineering and Transportation

Registration:
Professional Engineer Illinois

Professional Membership:
LEED AP

RELATED EXPERIENCE

Chicago Park District, Wilson Avenue Parking Lot, Chicago, Illinois
Chicago Park District project plans to reconstruct the Wilson Avenue parking lot at Montrose Beach at Lake Michigan. The goal of the project is to implement green infrastructure technology including permeable pavement into the redevelopment of the 4 acre parking facility. Work will include drainage upgrades, pavement reconstruction, and landscape improvements.

University of Chicago, William C. Eckhardt Research Center, Chicago, Illinois
New 277,000 square foot science building on 2.25 acres of urban site redevelopment. Project included demolition of existing laboratory building and adjacent 1.3 acre plaza and the construction of new campus pedestrian quad, 6,500 square foot green roof, nitrogen storage facility, and an underground stormwater management system.

University of Chicago, Logan Arts Center, Chicago, Illinois
New 184,000 square foot building on approximately 3.5 acres. Project included demolition of existing building, parking lot, and site utilities as well as the construction of two large permeable paver pedestrian plazas and performance spaces, stormwater infiltration system, and an urban meadow providing water quality benefits.

Chicago Public Schools, Playground Reconstruction Projects - Chicago, Illinois
Provided civil engineering, and construction oversight on a variety of projects geared toward improving the recreational facilities at K-8 schools. Have been the prime consultant managing landscape architects, mechanical engineers, geotechnical engineers, and surveyors for this work. Projects include demolition of existing facilities and the construction of new age-specific playground equipment, poured-in-place rubberized surfaces, artificial turf play lots, ADA accessible paving, landscaping, parking reconstruction, storm water management, permeable paving, site lighting, fencing, and utility infrastructure to accommodate the needs of CPS students.

University of Chicago, North Sciences Quad, Chicago, Illinois
New 1.3 acre campus quad and gathering space. Services included the design of site and utility demolition, geometry and utilities, an underground StormTrap® stormwater management system incorporating integrated rainwater harvesting technology, erosion control plans, assistance with local permitting, and construction oversight.

Chris Mills, PE

Civil Designer



Chris Mills has a distinctive civil design background. His project responsibilities include preliminary and final design for commercial, municipal, and public utility projects. This entails extensive site layout, grading, sanitary, and hydraulic experience. Chris is also capable of drafting many of his own projects as he is up to date with Civil 3D. Along with these practices Chris has developed his skills in permitting requirements as well as coordination with various sub-contractors and vendors.

Credentials

Years of Experience: 4

Education:
Southern Illinois University, Masters of Science in Civil Engineering

Southern Illinois University, Bachelors of Science in Civil Engineering

Licenses and Registration:
Professional Engineer – Illinois

Professional Membership:
American Society of Professional Engineers (ASCE)

RELATED EXPERIENCE

Chicago Public Schools, Perspectives Academy – Chicago, Illinois
Chris aided in the design and implementation of the removal and replacement of the pavement and drainage of the main thoroughfare between the school and athletic field. This included but was not limited to the calculating requirements of the City of Chicago's stormwater requirements, sizing the stormwater detention system, and creating the grading and site plans. Furthermore, by utilizing a slotted drain in the Pilot Program and utilizing permeable pavers Chris was able to greatly reduce the cost of the overall project. After completion of the design Chris attended weekly meetings to document progress and troubleshoot any issues.

Chicago Public Schools, Corkery – Chicago, Illinois
Chris provided Civil Engineering design services to remove an existing playground and replace it with an Astro-Turf lot to reduce maintenance for CPS. This services included but were not limited to stormwater analysis, utility, site, and grading design to facilitate the new layout.

University of Chicago, Campus North Residence Hall – Chicago, Illinois
Chris provided Hydraulic Analysis for on-site stormwater management. Along with the project utilizing multiple types of permeable pavers Chris was involved in a Pilot Program used for the stormwater detention system as well as being an integral part of developing the multi-faceted model used for accounting for the stormwater management system. Chris was able to alleviate cost-related as conventional underground detention system by enrolling in a Pilot Program for an alternate design.

Wilson Avenue Parking Lot – Chicago, Illiois
Chris performed Civil Engineering services for schematic parking lot design; parking lot orientation, ingress/egress, parking lot layout, ADA accessibility, of the entire site. Along with developing the grading and storm sewer design for parking lot removal / replacement Chris also created comprehensive earthwork calculations for the value engineering phase of the project.

State Farm Center – Champaign, Illinois
Chris aided in providing civil engineering services for the University of Illinois. The civil site considerations consisted of the addition of multiple drives, sidewalks, and ramps; all of which were ADA compliant. Chris also updated all of the grading for the 30+ acre site. In conjunction with the grading Chris revised the design of the storm network to maintain positive site drain off.

MWRDGC Cicero Stormwater Flood Control Project Cicero, Illinois
Worked with the Town of Cicero and MWRDGC staff to develop stormwater management strategies to address the current and ongoing flooding concerns in this area. DMA's team then developed preliminary design documents and drainage modeling as a basis for a cost-benefit analysis of various design storms and associated stormwater detention volumes.

Chad Hooper

Civil Design Manager



Chad A. Hooper serves as one of DMA's most valued construction services professionals. He has been involved in field operations on major construction projects for several years, and he is well-versed in the requirements of city ordinances, policies, procedures and guidelines associated with on-site and off-site improvements. Mr. Hooper utilizes current engineering technology including AutoCAD Civil 3D, MicroStation/GEOPAK and GIS databases to successfully aid in the preparation of site plans, engineering plan sets, right-of-way roadway design, commercial/residential and master plan developments. His professional responsibilities include construction administration, construction inspection, civil engineering design support services, and feasibility studies for rehabilitation, renovation and new construction.

Credentials

Years of Experience: 20

Education:
ITT Technical Institute
Associates of Applied Design

Training:
OSHA 1910.120 40-Hr. Hazardous Waste
OSHA 1910.120 8-Hr. Supervisor
OSHA 1910.120 8-Hr. Hazardous Waste Operations Annual Refresher, Radiological Worker, Power Line Hazard Awareness, Behavior Based Safety, Leadership Development & Team Building, Coaching Skills for managers & supervisors

RELATED EXPERIENCE

Com Ed – Substation Security
Northern Illinois
Civil engineering services for systemwide comprehensive substation security infrastructure pursuant to the Federal Energy Regulatory Commission Physical Security Reliability Standard. Design services for perimeter fencing and drainage infrastructure, coordination with electronic surveillance and coordination of all environmental and zoning permits in support of construction.

Chicago Public Schools, Playground Reconstruction Projects - Chicago, Illinois
Projects include demolition of existing facilities and the construction of new age-specific playground equipment, poured-in-place rubberized surfaces, artificial turf play lots, ADA accessible paving, landscaping, parking reconstruction, storm water management, permeable paving, site lighting, fencing, and utility infrastructure to accommodate the needs of CPS students.

ComED-Crestwood, Crestwood, Illinois
Civil engineering services to COMED, who plans to construct a 5,000 square feet building to support their Smart Meter Installation program at the Crestwood facility. Project will include fifty (50) car parking as well.

CPS Roberto Clemente High School
Chicago, Illinois
Provided site clearing, stripping of lawn areas removal of topsoil, required earth excavation and disposal for the construction of a compliant athletic field, removal of the clay baseball field infill mix. Improvements include drainage infrastructure for stormwater management, irrigation system, and construction of a new baseball infield with clay infield mix as well as topsoil and sod suitable for playability.

CPS Richard T. Crane Technical Preparatory High School – Chicago, Illinois
Provided engineering design services for this project which included a new synthetic track and artificial turf field for football and soccer, including underground detention, paving, grading, utilities and erosion control.

CPS Gwendolyn Brooks College Prep
Chicago, Illinois
Provided civil engineering design and construction administration services for site clearing, mass grading, and construction of an IHSA regulation multi-purpose artificial turf athletic field and 8 lane running track. Improvements include drainage infrastructure for stormwater management, ADA compliant pedestrian access, 700 seat bleacher seating, and sports lighting.

CPS Luther Burbank Elementary School,
Chicago Illinois
Provided engineering design services for this 80,000 SF site reconstruction. DMA services also included site, utility and drainage design. Underground storm-water detention was created beneath the proposed pavement. Landscape design was subcontracted and coordinated by DMA to comply with the City of Chicago Zoning Ordinance.

Evaluation Forms

D



CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

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Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

DAVIMAS-05 SCHWMAR

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 09/29/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
Missouri General Insurance Agency Bowersox Insurance Agency 1227 Fern Ridge Parkway Saint Louis, MO 63141	PHONE (A/C, No, Ext): (314) 432-6464	FAX (A/C, No): (314) 993-2837
	E-MAIL ADDRESS:	

INSURED	INSURER(S) AFFORDING COVERAGE	NAIC #
David Mason & Associates, Inc. 800 S. Vandeventer Avenue St. Louis,, MO 63110	INSURER A : Secura Insurance	22543
	INSURER B : Missouri Employers Mutual Ins	10191
	INSURER C : Continental Casualty Co	20443
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE X OCCUR			BP3163957	06/01/2017	06/01/2018	DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 100,000
	X $0 DED						MED EXP (Any one person)	$ 5,000
							PERSONAL & ADV INJURY	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 2,000,000
	POLICY X PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	X OTHER: Employee Ben						Employee Ben	$ 1,000,000
A	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY SCHEDULED AUTOS			A3163958	06/01/2017	06/01/2018	BODILY INJURY (Per accident)	$
	X HIRED AUTOS ONLY X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
A	X UMBRELLA LIAB X OCCUR						EACH OCCURRENCE	$ 9,000,000
	EXCESS LIAB CLAIMS-MADE			CU3163959	06/01/2017	06/01/2018	AGGREGATE	$ 9,000,000
	DED X RETENTION $ 10,000							$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						X PER STATUTE OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) N	N / A		MEG1024298-11	10/01/2017	10/01/2018	E.L. EACH ACCIDENT	$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000
C	Professional Liab			AEH006086754	10/11/2017	10/11/2018	Per Claim	5,000,000
C	Professional Liab			AEH006086754	10/11/2017	10/11/2018	Aggregate	5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
SAMPLE

CERTIFICATE HOLDER

David Mason & Associates, Inc
800 S. Vandeventer Avenue
Saint Louis, MO 63110

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Douglas S. Clift

ACORD 25 (2016/03)

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LITIGATION

David Mason + Associates (DMA) is not involved in any current or pending litigation, arbitration or alternative dispute resolutions arising out of any services rendered from January 1, 2012 to the present.

REFERENCES

"David Mason & Associates (DMA) is an exceptional business partner of Burns & McDonnell. For over a quarter of a century, Burns & McDonnell and DMA have worked together on a number of successful projects, ranging from transportation and water/ wastewater to facilities and electric utility projects. I/ we have always been able to count on them to come through for us and the clients we serve."

Breck R. Washam, P.E.
Vice President/General Manager
St. Louis Regional Office
Burns & McDonnell
425 S Woods Mill Rd - Suite 300
Chesterfield, MO 63017
O: 314.682.1525 / M: 314.974.3584 / F: 314.682.1600
Email: bwasham@burnsmcd.com

"HBK has worked on a multitude of projects in the utility industry with David Mason and Associates since 2011. From the beginning, we have considered DMA a great partner who shares our passion for providing the highest level of safety, quality and service in our work".

Ron Kaminski
CEO
HBK Engineering
O: 312.432.0076
Email: rkaminski@hbkengineering.com

"David Mason and Associates is a trusted firm that has played key roles in the design and construction of some of the most prominent and challenging projects in the St. Louis region. They were critical in the success of the City Arch River renovation in downtown St. Louis, including MoDOT's Park over the Highway project."
Thanks for the great work over the years, we will talk soon.

Gregory J. Horn, P.E.
Saint Louis District Engineer
Missouri Department of Transportation
O: 314.453.1800
Email: gregory.horn@modot.mo.gov









DLZ
ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES

STATEMENT OF QUALIFICATIONS
SHORT-LISTS FOR CIVIL ENGINEERING SERVICES

BENSENVILLE
GATEWAY TO OPPORTUNITY

OCTOBER 19, 2017

DLZ
ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES

October 19, 2017

Mr. Joseph M. Caracci, P.E.
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, Illinois 60106

RE: Statement of Qualifications
Short-Lists for Civil Engineering Services

Dear Mr. Caracci, Mr. Patel, and Selection Committee:

We respectively submit our qualifications related to future possible professional-service opportunities with the Village of Bensenville. DLZ is a full-service engineering and architectural firm located nearby the Village, just east of O'Hare International Airport. Though you've never been a direct client, we are currently performing multiple services within and around the Village, and are pleased to introduce ourselves herein.

DLZ is providing engineer design and consulting services to the City of Chicago Department of Aviation (CDA) for the O'Hare Modernization Project. Our relationships and knowledge of the CDA may benefit both parties and ensure the Village needs and construction-related impacts are properly understood.

This Statement of Qualifications generally focuses on our Resident and Design Engineering work in the Bensenville/DuPage area. As DLZ is a multi-disciplinary firm, I also encourage you to review the resume of Anthony Kenning, MS, PE. Mr. Kenning is one of our storm– and waste-water experts and has very strong municipal experience. He is an Illinois-licensed professional engineer that is eager to extend this experience westward.

I am an authorized representative of DLZ ILLINOIS, INC and personally very excited about building a relationship with the Village. We strive to be known for our contributions and value to the people and agencies we serve.

Thank you for your consideration.

Respectfully,

DLZ ILLINOIS, INC.

Gregory R Brumm

Gregory Brumm, PE
Officer | gbrumm@dlz.com

TABLE OF CONTENTS

SECTION 1 | CONSULTANT EVALUATION FORM

SECTION 2 | IDOT SEFC AND PREQUALIFICATION CATEGORIES

SECTION 3 | RELEVANT EXPERIENCE

SECTION 4 | STAFF QUALFICATIONS

SECTION 5 | STATEMENT OF QUALIFICATIONS FORM

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

☐ The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

☒ The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

☐ Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

PROPOSED REVISION TO FORM OF CONTRACT

INDEMNIFICATION

The ENGINEER shall indemnify, ~~defend~~ and save harmless the VILLAGE, its officers, agents, employees, representatives and assigns, from lawsuits, actions, costs (including attorneys' fees), claims or liabilities of any character brought because of any injuries or damages received or sustained by any person, persons, or property ~~on account of~~ to the proportionate extent caused by any negligent act or omission or any willful misconduct of said ENGINEER, its officers, agents and/or employees arising out of, or in performance of any of the provisions of the contract, including any claims or amounts recovered for any infringements of patent, trademark or copyright; or from any claims or amounts arising or recovered under the "Worker's Compensation Act" or any other law, ordinance, order or decree. ~~In connection with any such claims, lawsuits, actions or liabilities, the VILLAGE, its officers, agents, employees, representatives and their assigns shall have the right to defense counsel of their choice.~~ The ENGINEER shall be ~~solely liable for all costs of such defense and~~ liable for all expenses, fees, judgments, settlements and all other costs arising out of such claims, lawsuits, actions or liabilities.

LITIGATION

DLZ Illinois, Inc. as of October 10, 2017

1	Case Name	Brett Stephan v. Bigane Paving Co., Rula's Enterprises Company, Maintenance Coatings Co., DLZ Illinois, Inc., and Work Zone Safety, Inc.
	Case #	2016 L 008478
	Court	Circuit Court, Cook County, Illinois
	Basis	Dispute over contractor-placed work zone signage
	Outcome	Pending

Client#: 25256 DLZCORPO

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 3/27/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Carly Underwood	
Greyling Ins. Brokerage/EPIC 3780 Mansell Road, Suite 370 Alpharetta, GA 30022	PHONE (A/C, No, Ext): 770.552.4225	FAX (A/C, No): 866.550.4082
	E-MAIL ADDRESS: carly.underwood@greyling.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : National Union Fire Ins Co of P	19445
INSURED DLZ Illinois Inc. 8430 W Bryn Mawr Avenue; Suite 100 Chicago, IL 60631	INSURER B : QBE Insurance Corporation	39217
	INSURER C : Lloyds of London	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER: 17-18** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY			GL5268221	04/01/2017	04/01/2018	EACH OCCURRENCE	$1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$500,000
							MED EXP (Any one person)	$25,000
							PERSONAL & ADV INJURY	$1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$2,000,000
	POLICY X PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$2,000,000
	OTHER:							$
A	AUTOMOBILE LIABILITY			CA4489714	04/01/2017	04/01/2018	COMBINED SINGLE LIMIT (Ea accident)	$1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS / X NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
B	X UMBRELLA LIAB X OCCUR			CCU3977348	04/01/2017	04/01/2018	EACH OCCURRENCE	$5,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$5,000,000
	DED X RETENTION $10,000							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N			WC015893783	04/01/2017	04/01/2018	X PER STATUTE / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N	N / A					E.L. EACH ACCIDENT	$1,000,000
	(Mandatory in NH)						E.L. DISEASE - EA EMPLOYEE	$1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	$1,000,000
C	Professional Liab incl Pollution Liability			B0146LDUSA1704157	01/01/2017	01/01/2018	Per Claim $5,000,000 Aggregate $5,000,000	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

Sample Certificate

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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CUND1

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

August 4, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Joseph Zwierzynski
DLZ ILLINOIS, INC.
8430 W. Bryn Mawr Avenue, Suite 100
Chicago, IL 60631

Dear Joseph Zwierzynski,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2016. Your firm's total annual transportation fee capacity will be $106,400,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 156.40% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2017. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR DLZ ILLINOIS, INC.

CATEGORY	STATUS
Special Services - Electrical Engineering	X
Special Studies - Pump Stations	X
Structures - Highway: Typical	X
Special Studies - Location Drainage	X
Special Studies - Traffic Signals	X
Hydraulic Reports - Waterways: Complex	X
Environmental Reports - Environmental Assessment	X
Special Services - Construction Inspection	X
Highways - Roads and Streets	X
Special Studies - Traffic Studies	X
Structures - Railroad	X
Highways - Freeways	X
Special Services - Sanitary	X
Hydraulic Reports - Waterways: Typical	X
Structures - Highway: Advanced Typical	X
Special Services - Mechanical	X
Environmental Reports - Environmental Impact Statement	X
Special Services - Architecture	X
Structures - Highway: Simple	X
Special Studies - Safety	X
Special Studies - Feasibility	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Location Design Studies - New Construction/Major Reconstruction	X
Location Design Studies - Rehabilitation	X
Special Services - Landscape Architecture	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

DLZ
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SURVEYING • CONSTRUCTION SERVICES

FIRM PROFILE

DLZ is a multi-disciplined consulting firm that just celebrated 100 years of providing complete design engineering, architectural, and construction services to the public sector. DLZ is a recognized leader in various industries and was awarded *Midwest Design Firm of the Year* in 2016 by Engineering News Record. With over 55 people employed in Chicagoland, and 600 companywide at 22 offices across 7 states, DLZ is one of the larger firms in the region. However, we are family-owned business that maintains a "small firm" feel; our management structure enables project managers to make efficient decisions based on the local community.



Our Chicago Office is located just east of O'Hare, approximately 7 miles from the Village. Chicagoland personnel include an award-winning architecture team, an industry-leading transportation engineering and design firm, and a vastly experienced and certified construction-inspection team that has successfully worked with local agencies for over two decades.

We also have extensive survey crews working across Northeast Illinois that, in addition to land survey, have been at the forefront of unmanned aerial and hydrographic surveying.

Our mission is to create and maintain partnerships with our clients, in order to deliver unmatched, solution-driven designs. We strive to be known for our contributions to the people and agencies we serve. DLZ' strengths in successful project completion include:

- Utilizing the full range of services available in-house. The use of subconsultants is not necessary.
- Cooperation and close attention to client needs.
- Ability to provide proven, cost-saving solutions.
- Comprehensive project management capabilities to complete projects on time and within prescribed budgets.

DLZ maintains an active and on-going quality management program. All programming goals, surveying and design calculations, reports, quantity take-offs, unit price estimates, construction cost estimates, and technical specifications are independently reviewed and verified. This in-house value analysis provides a cost-effective and timely project for the client.

DLZ's Services

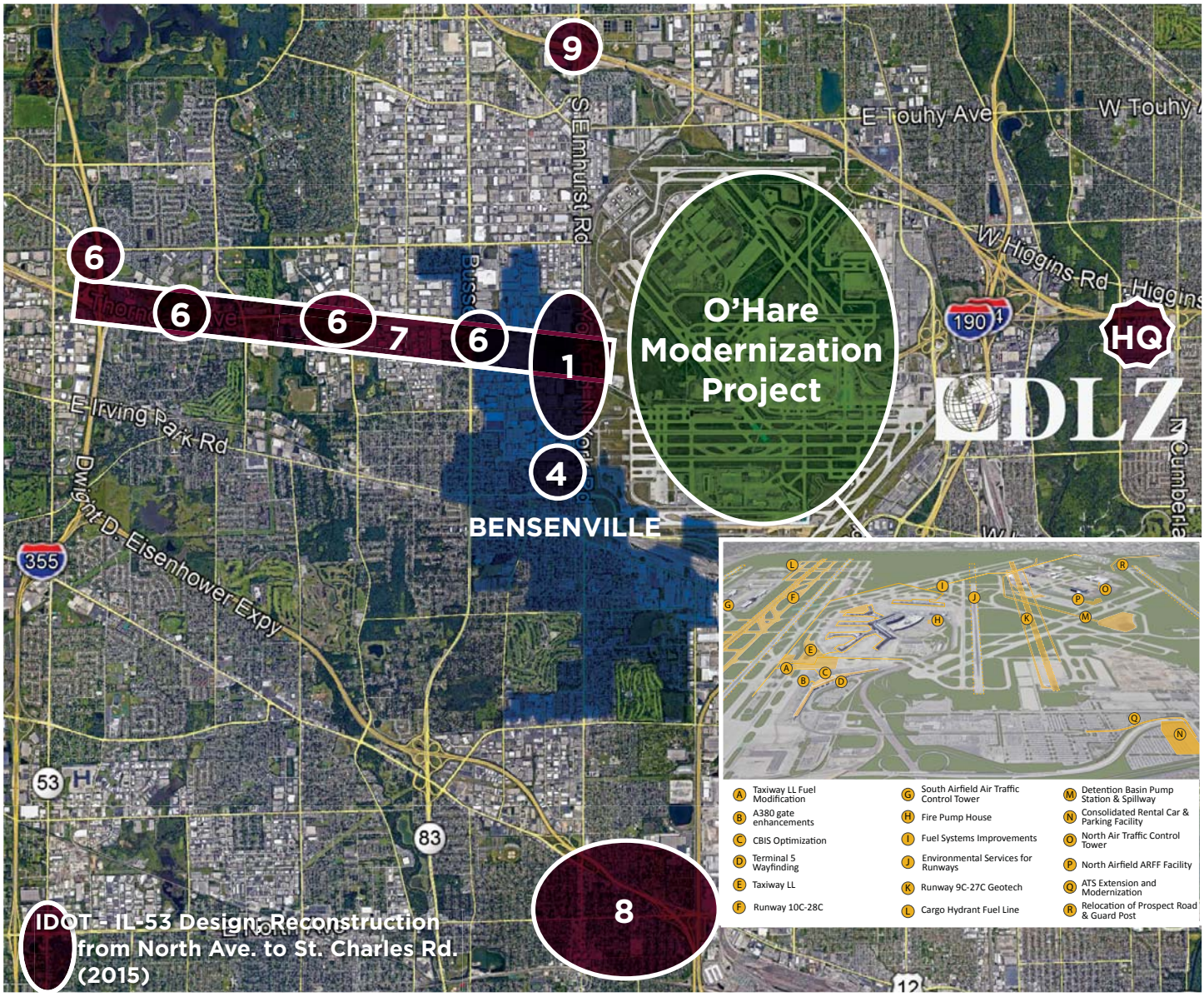
Construction Engineering, Inspection, Administration
Transportation Engineering
Site/Civil Development
Water/Wastewater Engineering
Industrial Engineering
Land Surveying
Hydrographic Surveying
Information Technology/Geographic Information Systems (IT/GIS)
High Definition Scanning (HDS) Technology
Geotechnical, Drilling and Materials Testing
Environmental Planning (Environmental Resource Studies, NEPA Compliance, Wetland Delineation, Permitting and Mitigation Design)

Architecture
Landscape Architecture/Planning
Mechanical Engineering
Electrical Engineering
Structural Engineering
Commissioning
Facility Planning/Programming

Community Studies
Master Planning
Special Systems Technology Engineering
Environmental Engineering

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SURVEYING • CONSTRUCTION SERVICES

LOCAL SERVICES MAP



RESIDENT ENGINEERING

HQ - DLZ ILLINOIS OFFICE

1. ISTHA I-15-4654 Elgin O'Hare Western Access (EOWA) Construction Inspection
2. DuPage County 2016 Pavement Maintenance Program (Off Map)
3. Streets for Cycling, City of Chicago (Off Map)
4. Topographic Survey for Nicor Gas Line

DESIGN ENGINEERING

5. Village of Downers Grove - DBD Crosswalk and ADA Accessibility Improvements (Off Map)
6. EOWA Landscape Design Services: IL53 to IL 83
7. IDOT PTB 141-02 Elgin O'Hare West Bypass
8. IDOT PTB 172-06 and 148-04 - Various Traffic Signal Design
9. Jane Addams Memorial (I-90) at Elmhurst Road Interchange
10. Traffic Signal Design Engineering, DuPage County (Not Mapped)

Currently active project.

RESIDENT ENGINEERING

ELGIN O'HARE WESTERN ACCESS
CONSTRUCTION UPON REQUEST
I-15-4654 | BENSENVILLE, ILLINOIS

DLZ, as a subconsultant to Infrastructure Engineering, is currently providing Phase III Construction Management Services Upon Request. Served as a primary on-site liaison and construction inspection for the Tollway multiple projects including:

- Interchange Advance Earthwork & South Frontage Road Construction (I-15-4662, $24 million)
- Plum Grove Detention Pond & Pump Station Construction (I-15-4664, $1.5 million)
- Landscape Improvements (I-15-4651, $1.2 million)

Controlled project operations to ensure all activities on-schedule and within-budget completion. Oversaw construction, review budget, coordination of bid process, and managed change order system. Led progress meetings and communicated regularly with client and contractors.

CLIENT
Infrastructure Engineering, INC. (IEI)
33 W. Monroe, Suite 1540
Chicago, IL 60603

CONTACT
Jeffrey Pollack, IEI, 312.425.9564

ISTHA Project Managers:
Jeff Schneberg - 630.241.6800
Jordan Kim - 630.241.6800
ISTHA DPM:
Manar Nashif - 630.241.6800

PROJECT TEAM
Dipak Gheewala, Asst. Resident Engineer

Charles Thompson, Construction Inspection

Various DLZ Survey Staff

CONSTRUCTION COST/FEE
$26 million/ $865,000 (Fee)

COMPLETION DATE
Current



1. Widening of York Road.



2. Progress at Sievert Court.



3. Storm sewer removal at Thorndale.

2016 PAVEMENT MAINTENANCE PROGRAM, SOUTH REGION

DuPage County, ILLINOIS

Project Team: Charles Thompson, EI, Assistant Resident Engineer
Client: DuPage County Division of Transportation | David Tworek, 630.407.6917 **Date Completed:** 2017
Project Cost/Fee: $3,383,457/$144,698

DLZ provided Phase III engineering services for the improvement of approximately 6 to 10 miles of county roads within DuPage county boundaries. This local roads project entailed resurfacing of streets, constructing sidewalks, curb and gutter, drainage structure adjustments, and installation of pavement markings.

DLZ provided inspection services, documented completed work, prepared pay estimates, was responsible for Q/A, materials testing, and ensured ADA compliance as required. Areas included:

- 75th St.: About 2500' on either side of Clarendon Hills Rd.
- Belmont Rd.: Ogden Ave. to 63rd St. (Woodridge/Downers Grove)
- Hobson Rd.: East Branch of DuPage River to I-355 (Woodridge)
- Maple Ave.: Yackley Rd. to IL 53 (Lisle)



STREETS FOR CYCLING

CHICAGO, ILLINOIS

Project Team: Charles Thompson, EI, Resident Engineer
Client: Chicago Dept. of Transportation | Michael Magnuson, PE 312.565.0450 **Date Completed:** 2017
Project Cost/Fee: $3,000,000/$141,063

Following Phase I and II work by DLZ, CDOT then retained DLZ for construction engineering services for the subject program. The project involved the removal and replacement of thermoplastic and pavement markings, removal & installation of sign panel and posts, concrete median removal and installation, and installation of flexible delineators as required. Daily operations include coordination with CDOT, Department of Water Management, CTA and other adjacent projects from inception to completion. All work was performed in accordance with IDOT Standard specifications, CDOT standards. The project is currently complete.

DLZ was later provided construction engineering services for the installation of 6" concrete medians, and a new buffered bike line along Washington Blvd stretching approximately 1.3 miles.

NICOR GAS LINE DESIGN

BENSENVILLE, ILLINOIS

Project Team: Raymond Keilman, LS, Survey Chief
Client: EN Engineering and Nicor Gas Company| Tara Bauer, 630.432.6283
Date Completed: 2016
Project Cost/Fee: TBD/$9,450

EN Engineering commissioned DLZ to provide a topographic survey including utility locates and R/W & property line determination along the roadways.



DESIGN ENGINEERING

DBD CROSSWALK AND ADA ACCESSIBILITY IMPROVEMENTS

Client: Village of Downers Grove **Date Completed:** Ongoing
POC: Jim Tock, PE, Engineering Manager for the Village of Downers Grover, 630.327.0110
Key Staff: Dan Wiktorzak, PE, Gregory Brumm, PE, Zebadiah Hoerbert, EI
Project Cost/Fee: TBD/$121,000

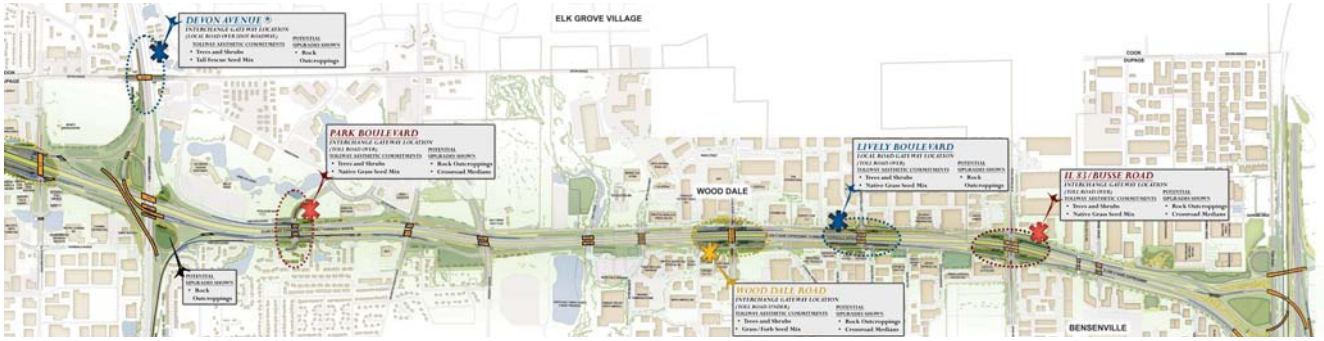
Evaluation and design of improvements to existing crosswalks, curb ramps, and all other related work, within compliance of latest ADA, PROWAG and Illinois Accessibility Code standards within the limits of the Downers Grove Downtown Business District (DBD) for 26 intersections. (Most crosswalk and curb ramp surfaces displayed various degrees of deterioration, and required upgrades to meet current ADA standards.) DLZ is evaluating the existing infrastructure as it relates to the materials currently used for crosswalks and ramps, their condition, and ADA compliance throughout the DBD. DLZ is assisting to determine the most feasible and enduring design option. DLZ is also modernizing select existing traffic signals to comply with latest PROWAG and MUTCD standards.

ELGIN-O'HARE WESTERN ACCESS (I-390) - LANDSCAPE DESIGN FROM IL. 53 TO IL. 83

Key Staff: Sara Hicks, PLA, LEED AP **Date Completed:** Ongoing
Client: Illinois State Toll Highway Authority (ISTHA), sub-consultant to CH2M Hill-Design Corridor Manager
POC: Brian Conner, P.E., DSE Manager, 773.458.2816 brian.conner@ch2m.com
Project Cost/Fee: TBD/$277,051

DLZ provided landscape architecture and engineering services for preparation of landscape design and construction documents for the Elgin-O'Hare Western Access (EOWA) from IL. 53 to IL. 83. Corridor limits included an approximate 3.5-mile segment of recently completed expressway, frontage roads and affected portions of local roads. Design plans addressed compliance with ISTHA mitigation guidelines for replacement of 5,000 to 7,000 trees. Previously prepared Barrier Wall Analysis was reviewed to confirm clear-zones for use in development of the landscape design plans. Plans also addressed USDA/FAA restrictions regarding the proximity of plantings to O'Hare International Airport.

Coordination with local agencies, participation in public meetings and stakeholder presentations were provided for communities within the project corridor. This included: DuPage County and the villages of Itasca, Wood Dale, Elk Grove Village, **and Bensenville.** Preparation of color-rendered strip maps of the project corridor were included under an open house format.



ELGIN O'HARE WEST BYPASS

PTB 141-02 | NORTHEASTERN ILLINOIS

***Key Elements**: Intersection Design Studies | Network Modeling | Capacity Analyses | Signal Timing Optimization | Data Collection | Modeling of Diverging Diamond Interchanges (DDI)*

DLZ joined CH2M Hill to provide traffic engineering services for Tiers I & II of the Elgin O'Hare Expressway extension project for IDOT. The scope of work included network modeling, geometric alternative studies, operational analysis and preparation of Intersection Design Studies (IDS). DLZ performed existing network modeling with Synchro/SimTraffic software and VISSIM software to analyze current and future design operations. The scope of work for Tier I included the collection of traffic data for network modeling and the development of capacity analyses for the No-build conditions and future conditions. Synchro/SimTraffic software was used for the capacity analyses at the ramp junction and the adjacent signalized intersections while VISSIM software was used for the mainline and system interchanges.

DLZ also modeled two potential Diverging Diamond interchanges (DDI) using VISSIM microsimulation software. DLZ completed capacity analyses for the No-build conditions and proposed alternatives for the future conditions. DLZ's scope for Tier II included the preparation of Intersection Design Studies at 15 locations in the project area. The IDSs required completion of intersection capacity analyses using Highway Capacity Software (HCS) for the preferred alternative. The geometric design for each location also included development of proposed intersection geometry in MicroStation in addition to completion of an AutoTurn analysis.

CLIENT
IDOT, District One
201 West Center Court
Schaumburg, Illinois 60196

CONTACT
Ms. Lidia Pilecky, PE
CH2M Hill
8735 West Higgins Road
Suite 400
Chicago, Illinois 60631
773.693.3809

PROJECT TEAM
Dan Wiktorzak, PE—Project Engineer
Charles Fawcett, PE—Project Engineer

PROJECT COST
$331,000 (Fee)

COMPLETION DATE
2013

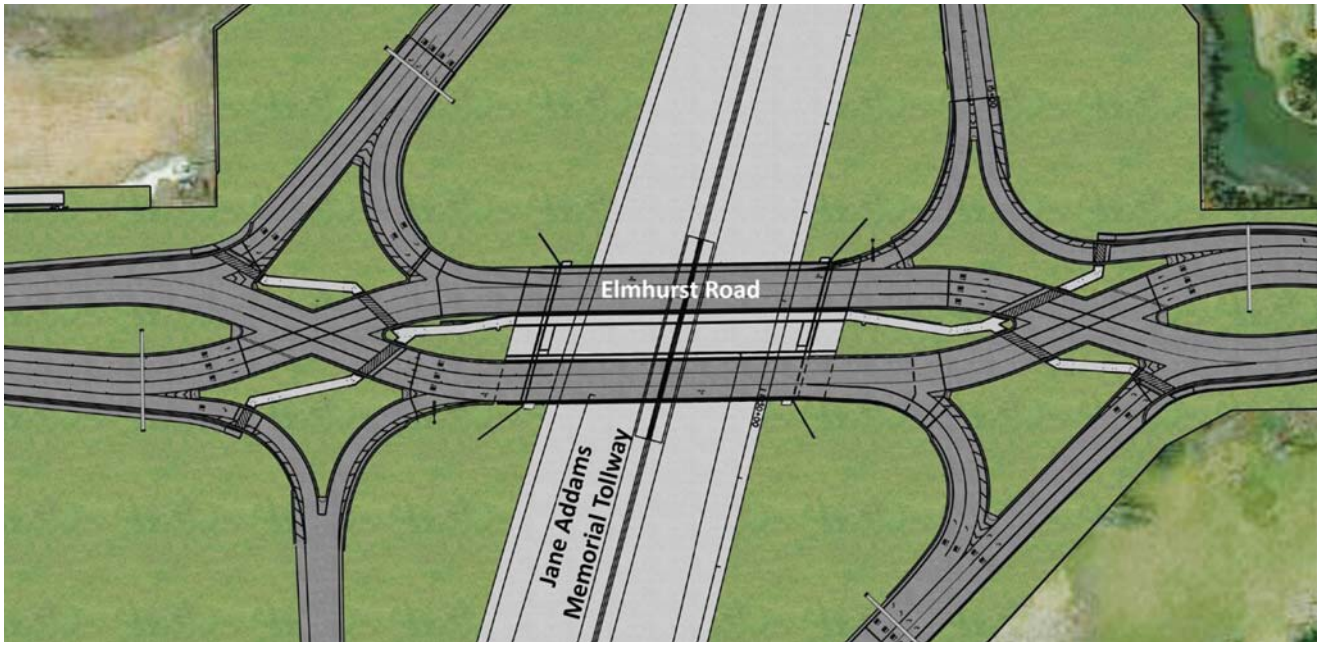
IDOT DISTRICT-WIDE TRAFFIC SIGNAL DESIGN

PTB 172-06 AND 148-04 | VARIOUS LOCATIONS, DISTRICT 1

Client: IDOT, District 1, Daryle Drew, 847.705.4500 **Date Completed:** Current
Key Staff: , Dan Wiktorzak, PE, Zebadiah Hoerbert, EI
Project Cost/Fee: $10,000,000+/$1,200,000

Preparation of on-call traffic signal design services for IDOT District One. The scope of services includes temporary and permanent traffic signal designs and interconnect designs to support the IDOT District One in-house projects as well as providing design services in support of the IDOT Electrical Maintenance Contract (EMC).

Design documents have been prepared for over 395 locations, including 279 for the Lake County LED Installation Program and 73 for the DuPage County LED program. All deadlines were met, and plans for all locations were prepared on or under budget.



JANE ADDAMS MEMORIAL TOLLWAY (I-90) AT ELMHURST ROAD INTERCHANGE

ILLINOIS STATE TOLL HIGHWAY AUTHORITY | DES PLAINES, ILLINOIS

Client/POC: ISTHA, Hope Garrett, Senior Project Manager, 630.241.6800 **Date Completed:** 2015
Project Cost/Fee: $29,800,000/$285,000
Project Staff: Dan Wiktorzak, PE, Gregory Brumm, PE, Charles Fawcett, PE, Zebadiah Hoerbert, EI

DLZ joined the Elmhurst Joint Venture to prepare Phase II design documents for construction of a new interchange for the Jane Addams Memorial Tollway (I-90) at Elmhurst Road for ISTHA. The scope of work includes the development of temporary and permanent traffic signal plans for the intersections of Elmhurst Road at Oakton Street and the I-90 North and South Interchange Ramps, a new traffic signal interconnect from Elmhurst Road at the I-90 South Interchange Ramp to Oakton Road, a Toll Plaza fiber optic and power connection plan, signing plans for six new sign structures for NB and SB Elmhurst Road and the ramp approaches, and pavement marking PS&Es for the project area.

TRAFFIC SIGNAL DESIGN ENGINEERING

DUPAGE COUNTY, ILLINOIS

Client: DuPage County Division of Transportation, William Eidson, PE, Traffic Engineer, 630.407.6890
Date Completed: Current
Key Staff: Dan Wiktorzak, PE, Project Manager**,** Zebadiah Hoerbert, EI, Project Engineer, Marzena Szmelter, PE
Project Cost/Fee: $3,000,000/$218,000

Providing traffic signal design services to expand the county's Central Signal System which improves communication to traffic signals and includes video monitoring capabilities through the use of Pan/Tilt/Zoom (P/T/Z) cameras. This system allows for improved coordination of traffic signals and improved response to incidents on the highway system. The first phase of the Central Signal System included 70 intersections and 19 P/T/Z cameras in north central DuPage County.

This project expands the Central Signal System to include additional county owned signalized intersections and P/T/Z cameras in the critical I-88 and 75th Street corridors and on the surrounding county highways. A connection to the Cities of Aurora and Naperville, which operate compatible systems, will also be included to enhance the operational capabilities of both agencies and the traffic operations throughout the county.

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KEY CHICAGOLAND PERSONNEL

OFFICER
Gregory R. Brumm, PE

TRANSPORTATION INFRASTRUCTURE DESIGN

Marzena Szmelter, PE*
Zebadiah Hoerbert, EIT*
Matthew Hamel, PE
Wes Butch

TRAFFIC OPERATIONS

Charles (Teuer) Fawcett, PE, PTOE*
Scot Slezak, PE
Xin Tian, PhD

TRAFFIC SIGNALS AND SIGNAGE

Daniel Wiktorzak, PE*

WASTEWATER IMPROVEMENTS

Anthony J. Kenning, PE*

STORMWATER ENGINEER

Marzena Szmelter, PE*
Anthony J. Kenning, PE*

ADA SPECIALIST, PLANNING STUDIES

Stephen G. Metzer, AICP

LAND/ROUTE SURVEY

Christopher Dietz*
Eric Cox, LS
David Carmien, LS, PE
Raymond H. Keilman, LS*
Anthony J. Toscani, LS

26 Survey Crews Available in Chicagoland Area

CONSTRUCTION INSPECTION

Cheuk-Fu (Peter) Au, PE*
Charlie Thompson, EIT*
Dipak Gheewala*
Margaret L. Olen
Jim Patel, PE

GRANT ASSISTANCE & MFT ADMINISTRATION

Jodi M. Coblentz, PE

ARCHITECTURE
Stephen P. Kromkowski, AIA
Jason C. Vetne, AIA, LEED AP
Eric T. Beaulieu, AIA, CxA, LEED AP

LANDSCAPE ARCHITECTURE
Sara Hicks, RLA, LEED AP
Jeffrey K. Hirsch, RLA, LEED AP

* Resume included herein.

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CHEUK-FU (PETER) AU, PE

FIELD SERVICE MANAGER/RESIDENT ENGINEER

Mr. Au has over 32 years of experience in construction management and resident engineering of highways, streets, bridges, and railroads actively managing and overseeing on-site construction staff, reviewing construction contract documents, preparing and implementing alternate solutions to construction issues as they arise, coordinating solutions with design engineers and the clients, providing observation and inspection of construction work and providing liaison functions related to coordination of contractors, utilities and other agencies.

EDUCATION

M.S., Civil Engineering, Northwestern University, 1982

B.S., Civil Engineering, Illinois Institute of Technology, 1980

REGISTRATIONS

Professional Engineer:
Illinois, 1987, #62045320

CERTIFICATIONS

Illinois Department of Transportation Certifications

Certificate of Proficiency – Documentation of Contract Quantities, 2013, Certificate #13-0169

SPECIAL TRAINING

IDOT:

Fundamentals of Storm Water Pollution and Erosion and Sediment Control, 2013

ICORS Training, 2013

Inspection of Erosion & Sediment Control Awareness, 2013

Portland Cement Concrete: PCC Level I, II & III

IDOT Hot Mix Asphalt: HMA Level I and II

* Work for previous employer

PROJECT EXPERIENCE

CDOT 2014 Arterial Street Resurfacing Projects*. Resident Engineer on various CDOT projects. Major responsibilities included actively managing and overseeing on-site construction staff; reviewing construction contract documents for overall understanding of the project and for constructability concerns; preparing and implementing alternate solutions to construction issues as they arise; coordinating solutions with design engineers and the clients; providing observation and inspection of the construction work and contractor operations to verify that the construction is accomplished in accordance with the plans and specifications; providing liaison functions related to coordination of contractors, utilities, other agencies and property owners engaged or affected by the project; meeting with contractors regularly to coordinate work, resolve issues, review scheduling and sequence operations; conducting utility meetings with all affected utilities and verify relocation schedules; preparing and maintaining project documentation and records. Included 23 north area locations with a combined contract value of $12,055,960.

Project Manager* for the CDOT, 2009 - 2010 Resurfacing Projects. Responsibilities included actively managing and overseeing on-site construction staff; reviewing construction contract documents for overall understanding of the project and for constructability concerns; preparing and implementing alternate solutions to construction issues as they arise; coordinating solutions with design engineers and the clients; providing observation and inspection of the construction work and contractor operations to verify that the construction is accomplished in accordance with the plans and specifications; providing liaison functions related to coordination of contractors, utilities, other agencies and property owners engaged or affected by the project; meeting with contractors regularly to coordinate work, resolve issues, review scheduling and sequence operations;conducting utility meetings with all affected utilities and verify relocation schedules; preparing and maintaining project documentation and records.

- **Illinois Department of Transportation (IDOT).** Resident Engineer* for various projects. Responsibilities included actively managing and overseeing on-site construction staff; reviewing construction contract documents for overall understanding of the project and for constructability concerns; preparing and implementing alternate solutions to construction issues as they arise; coordinating solutions with design engineers and the clients; providing observation and inspection of the construction work and contractor operations to verify that the construction is accomplished in accordance with the plans and specifications; provide liaison functions related to coordination of contractors, utilities, other agencies and property owners engaged or affected by the project; meeting with contractors regularly to coordinate work, resolve issues, review scheduling and sequence operations; conducting utility meetings with all affected utilities and verify relocation schedules; preparing and maintaining project documentation and records.
  - **Resurfacing of Dan Ryan Expressway, 63rd Street to I-57**
  - **Reconstruction of 111th Street, Central Ave to Pulaski Ave which included a RR grade separation**
  - **Construction of Pump Station No. 31 (on 111th Street west of Cicero Avenue)**
  - **Resurfacing of Cicero Avenue, 95th Street to 72nd Street**
  - **Reconstruction of 79th Street Frontage Road with Experimental Concrete Mixes**
  - **Rehabilitation of IL 1 Truss Bridge over Little Calumet River**
  - **Widening and Resurfacing of Central Avenue, 63rd Street to 47th Street**
  - **I-94 from IL 173 to Wisconsin State Line.** Resident Engineer for landscaping and project close-out.
  - **City of Evanston, Sheridan Road Traffic Signal Improvement Project.**

  Project Manager* for the following IDOT projects whose major responsibilities included monitoring the progress and budget of projects, prepare payouts to subcontractors, coordination with owners and subcontractors, and finalize projects:
  - **Reconstruction of IL Route 56 from Naperville Road to IL Route 59.**
  - **Resurfacing of I-80, 80th Avenue to I-294.**
  - **Resurfacing of Bishop Ford Expressway, Martin Luther King Drive to Dolton Avenue.**
  - **Major Rehabilitation of NB I-57, Dan Ryan to I-80.**

- **Illinois State Toll Highway Authority (ISTHA), Illinois.** Resident Engineer on various Tollway projects. Major responsibilities included actively managing and overseeing on-site construction staff; reviewing construction contract documents for overall understanding of the project and for constructability concerns; preparing and implementing alternate solutions to construction issues as they arise; coordinating solutions with design engineers and the clients; providing observation and inspection of the construction work and contractor operations to verify that the construction is accomplished in accordance with the plans and specifications; providing liaison functions related to coordination of contractors, utilities, other agencies and property owners engaged or affected by the project; meeting with contractors regularly to coordinate work, resolve issues, review scheduling and sequence operations; conducting utility meetings with all affected utilities and verify relocation schedules; preparing and maintaining project documentation and records.
  - **ISTHA Contract I-13-4166 (Roadway and Bridge Reconstruction of Roselle Road over I-90).**

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DIPAK C. GHEEWALA

CONSTRUCTION MANAGER

Mr. Gheewala has a wealth of experience in optimizing operations for construction / engineering companies through outstanding management, technical, and relationship building expertise. He has successfully managed major infrastructure projects from concept through close-out including facilities, utilities, and transportation. He has been a significant contributor well versed in completing wide range of project operations such as site management, optimization of construction methods & procedures, safety / quality / environmental control, and inspections.

Mr. Gheewala has Documentation of Contract Quantities certificate and Construction Materials for RE training along with various IDOT, Tollway, & CDOT experience. He is highly skilled communicator with talent for establishing productive relationships with clients, utility companies, subcontractors, and government regulatory officials and building strong, motivated multi-trade teams.

EDUCATION

B.S. Civil Engineering/ Construction Management
University of Illinois

CERTIFICATIONS

Illinois Department of Transportation Documentation:

Contract Quantities, 2017 Certificate # 17-12301

STTP-S33 Soils Field Testing and Inspection Course, 2015

SPECIAL TRAINING

PSMJ Project Manager Training, 2015

Materials Management for Resident Engineers, 2008

ICORS Training, 2008

Erosion & Sediment Control

PCC Level I & II

AFFILIATIONS

Illinois Road & Transportation Builders Association

* Work for previous employer

PROJECT EXPERIENCE

- **ISTHA Contract I-15-4654; Elgin O'Hare Western Access Tollway Improvements.** Served as a primary on site liaison for the Tollway multiple projects including Interchange Advance Earthwork & South Frontage Road Construction (I-15-4662, $23 million), Plum Grove Detention Pond & Pump Station Construction (I-15-4664, $1.4 million), and Landscape Improvements (I-15-4651, $1+ million). Controlled project operations to ensure all activities on-schedule and within-budget completion. Oversaw construction, review budget, coordination of bid process, and managed change order system. Led progress meetings and communicated regularly with client and contractors.

- **DuPage County Pavement Maintenance Program.*** Operated as Resident Engineer in guiding $2 million improvement of Du Page County Arterial Street resurfacing program.

- **CDOT Streets for Cycling Project.*** Served as Project Manager in overseeing the installation of 13 miles of pavement markings for bike lanes valued at $2 million. Daily operation included staff supervision, project controls, review budget and manage weekly meetings.

- **ISTHA Contract I-13-4166, Roadway and Bridge Reconstruction, Roselle Road over I-90**. Guided $22 million, reconstruction of Roselle Road Bridge and pavement that consist of removal & reconstruction of Ramp B & C, structure replacement of Bridge No. 517, removal & replacement of drainage systems, relocation of utilities, management of erosion control, electrical, pavement markings, and MOT.

- **CDOT Arterial Resurfacing Projects.*** Full responsibility for daily operations, plan, schedule, and coordinate projects from inception to completion for $ 7 million project. Oversee project documents performance, review reports, and modify plans or reports. Monitor contractor progress schedule, mentor & supervise team members, and provide management services through effective contract administration, negotiation, and budget. Participate in development in new marketing strategies, strategic planning, and client relationship management.

- **I-355 South Extension Grading.*** Guided $22 million, 9.7-mile project that consisted of moving earthwork of 4+ million cubic yards and clearing 775+ acres. Oversaw daily operations for staff and contractor personnel over 50+ workers.

- **Illinois 56 (Butterfield) Improvement.*** Served as Site Manager in directing 1+ mile of earthwork moving, pavement construction, drainage systems, electrical, and traffic signal system for $25 million project.

- **Project "J" Residential Street Construction (CDOT).*** Resident Engineer for $2.9 million residential construction project consisting of proposed pavement, sewer system, sidewalk, and resurfacing.

- **Tri-State Tollway Interim Roadway Improvements.*** Orchestrated $ 5.3 million interim improvement of I-294 Tollway including supervision of dynamic message sign structure and foundation, maintenance yard, and roadway construction.

- **Damen Ave Reconstruction (CDOT).*** Guided $9 million "Project of the Year" award winner that included pavement and major sewer work such as junction chamber, electrical, and traffic signal system work from 14th Street to Eisenhower Expressway.

- **Roosevelt Road Improvement (CDOT).*** Orchestrated completion of $11 million project between Ogden and Ashland Avenues that included pavement, water-main, sewer, electrical, and traffic signal system work.

- **Randolph Street Historic Lighting System, Michigan Avenue - Kennedy Expressway (CDOT).*** $5 million project that included installation of architectural sidewalk, historic lighting system, and pavement.

- **Division Street Reconstruction Improvements, Lake Shore Drive - Kennedy Expressway (CDOT).*** $2.8 million project that included reconstruction of pavement, drainage structure installation, electrical, and traffic signal system.

- **Reconstruction of Michigan Avenue Viaduct Structure, Chicago River(CDOT).*** Randolph – $21 million reconstruction of bridge, vaulted sidewalk, and pavement.

- **State Street Renovation Project, Congress Parkway - Wacker Drive (CDOT).*** $29 million project that included renovation of historic lighting, rehabilitation of kiosks for CTA, and vaulted sidewalk. Recognized as "most expensive street per square foot."

- **I-294 / I-57 Interchange Improvements.*** Managed multi key projects for the completion of I-294 & I-57 Interchange Improvement. Daily operation included staff supervision, project controls, claim negotiations, change order management, and payment processing. Facilitated appropriate responses to RFIs, and other technical issues with design engineers and clients. Led progress meetings and communicated regularly with client and contractors.



CHARLES A. THOMPSON, EIT

CIVIL ENGINEER II

Mr. Thompson's experience includes construction management including experience as Resident Engineer, inspection, and documentation for several Illinois State Toll Highway Authority construction projects. He also has experience with a broad range of roadway construction projects including for the Chicago Department of Transportation and the Illinois Department of Transportation.

EDUCATION
B.S. Civil Engineering, Valparaiso University, 2008

REGISTRATION
Engineering Intern – Illinois, 2008, 31300025

CERTIFICATIONS
Illinois Department of Transportation: Documentation of Contract Quantities, #17-12431

Fundamentals of Storm Water Pollution and Erosion and Sediment Control, 2014

Inspection of Erosion & Sediment Control Best Management Practices, 2014

STTP-S33 Soils Field Testing and Inspection Course, 2014

AFFILIATONS
American Society of Civil Engineering

SKILLS/TRAINING
PSMJ Project Manager Training, 2015

PROJECT EXPERIENCE

- **2016 Pavement Maintenance Program, South Region.** Assistant Resident Engineer. Phase III engineering services for the improvement of approximately 6 to 10 miles of county roads within DuPage county boundaries. The project entailed resurfacing of streets, constructing sidewalks, curb and gutter, drainage structure adjustments, and installation of pavement markings. DLZ provided inspection services, documented completed work, prepared pay estimates, was responsible for project Q/A for materials testing, and ensured ADA compliance as required.

- **CDOT D-3-205 – Streets for Cycling Project 2: Group B: Protected and Buffered Bike Lanes.** Resident Engineer for project including installation of bike lanes on existing roadways at various locations within city limits of Chicago. Also included installation of concrete curb medians for protected bike lanes. Worked with local Aldermen to coordinate project progress through their areas. Communicate with residents affected by the construction, as well as new lane configurations. Coordinated with CDOT on daily activities throughout duration of the project.

- **ISTHA Contract I-13-4166 Construction Management Services, Roadway and Bridge Reconstruction – Roselle Road Mile Post 65.57 (I-90).** Construction of Roselle Road Bridge and ramps. The work included removal, realignment and reconstruction of the Roselle Road pavement. Removal and reconstruction of the Ramp B and Ramp C pavements. Structure replacement of Bridge No. 517 carrying Roselle Road over I-90.

- **ISTHA Contract I-15-4654; Elgin O'Hare Western Access Tollway Improvements.** Construction inspector for multiple projects including Interchange Advance Earthwork & South Frontage Road Construction (I-15-4662, $23 million), Plum Grove Detention Pond & Pump Station Construction (I-15-4664, $1.4 million), and Landscape Improvements (I-15-4651, $1+ million).

- **ISTHA Contract RR-13-4142, Bridge Repair and Rehab and Culvert Lining, Repair and Replacement, Ronald Reagan Memorial Tollway (I-88), Mile Post 48.9 to 75.0, and Jane Addams Memorial Tollway (I-90), Mile Post 3.1 to 10.1, Illinois.** Resident Engineer. Project including partial and full depth concrete patching of bridge decks, beams, diaphragms, abutments, and columns; culvert lining and replacement and various other relevant construction at various locations throughout the above listed locations on I-88 and I-90. Special attention paid to environmental impact, and erosion control implementation. Played key role in coordinating project, identifying and solving issues, and delivering the project on-time and within budget.

- **Whiting, Indiana: 2017 Roadway Maintenance Bituminous and Concrete Pavement Repair.** Lead Engineer and Construction Observer on site for roadway maintenance project in city of Whiting, IN. Several roadways in need of repair were milled and resurfaced with HMA materials. Full depth concrete patching was performed on one roadway that is used to access several major factories and refineries in the area. This was done in stages in order to allow at least one lane of traffic in each direction to be used. Coordinate with Whiting city officials on daily activities, such as no parking for resident vehicles on days of construction, and planning around city activities such as festivals and holiday activities.

PRIVATE CONSTRUCTION CONTRACTS

- **Thorngate Homeowners Association, Foster Premier, Inc., Pavement Rehabilitation of Thorngate Subdivision, Riverwoods, Illinois**. Construction Inspector. Removal and replacement of the bituminous roads in the Thorngate Subdivision. Project included intermittent concrete curb and gutter removal and repair, repair and replacement of both concrete and bituminous driveways, and adjustment of drainage structures with new frame and lid. Duties included measuring and documenting quantities for work that was completed, working with the contractor to coordinate a plan for the project that would not be a nuisance to the residents, and working with the Homeowners Association to help produce a product with which they are satisfied.

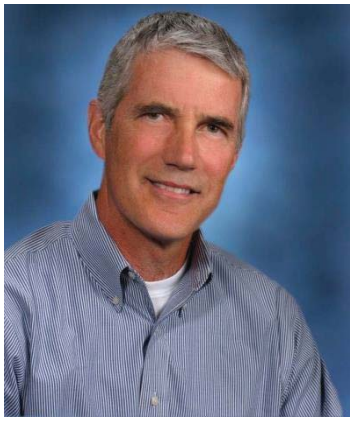
DESIGN

- **US-30 from Williams Street to US-45, Section (12 & 13) WRS-3, IDOT, District 1, Phase II.** Design of approximately 5.5 miles of roadway reconstruction with bituminous pavement. Project includes curb and gutter, ditches, storm sewer and in-line detention, erosion control, traffic signals, construction staging, and structural design coordination. Prepared erosion control for each stage, jointing plan, cross-section work, and various environmental and cost-breakdown exhibits.

- **I 90/94 Kennedy Expressway, Hubbards Cave to I-290, Section (101.6(1P, 2P) & 202.6 (1P) ET AL, Contract #60387, IDOT District 1, Cook County.** Ramp extension and retaining walls. Worked on drainage design and quantities calculations.

- **I-94 (Edens Expressway) at Elston Avenue, Bridge Replacement and Lighting, Section 00101.8B, Contract #60C18, IDOT District 1, Cook County.** Project consisted of removal and replacement of existing bridge superstructure, removal and replacement of existing pier, replacement of west stem wall utilizing existing spread footings and partial replacement and repairs to east stem wall by stage construction.

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RAYMOND H. KEILMAN, P.S.

GROUP MANAGER – PROFESSIONAL SERVICES

Mr. Keilman's responsibilities include the overall management and coordination of the field and office duties associated with various survey projects including topographic, hydrographic, and existing conditions surveys, along with the preparation of ALTA/ACSM land title surveys, boundary surveys, right-of-way plats and easement plats. Mr. Keilman has been with the firm for more than 36 years - sixteen of which he gathered valuable experience in the field as a survey crew chief directly involved in all areas of surveying including a variety of construction staking duties. He has performed CAD drafting, calculations, field services, boundary analysis and research required for the above mentioned surveys.

EDUCATION
A.A.S. Civil Engineering Technology, Purdue University, 1989

REGISTRATIONS
Registered Land Surveyor
Indiana, 1998, LS29800023
Illinois, 2001, 035003449

CERTIFICATIONS
Right-of-Way Plan Development Course Certification, 2011, Indiana Department of Transportation

SPECIAL TRAINING
PSMJ Project Manager Training, 2015

40-Hour Hazardous Waste Safety Training, OSHA

AFFILIATIONS
Indiana Society of Professional Land Surveyors (ISPLS)

Illinois Professional Land Surveyors Association (IPLSA)

PROJECT EXPERIENCE

BOUNDARY and TOPOGRAPHIC SURVEYS

- Milwaukee Avenue NEPA Analysis, Village of Niles & Chicago, Illinois. Project Manager. Survey support to the HNTB design team to advance the station design and support the NEPA analysis on a total of 22 proposed PACE bus stations along a 7 mile stretch of Milwaukee Avenue between Golf Road and just south of the Kennedy Expressway (I-90). (2015)
- Nicor Gas Line Design, Bensenville, Illinois. Project Manager. Topographic survey including utility locates and R/W & property line determination along the roadways. (2016)
- BP Pipeline Relocation, Elgin O'Hare Western Access. (2017)
- University of Notre Dame, Various Parcels
- United States Steel Corporation. Parcel surveys to acquire land patents.
- Gary/Chicago Airport. Parcel acquisition for airport expansion.
- Gary Minor League Baseball Stadium. Initial survey prior to construction of the facility
- USPFO National Guard Armory, Shelbyville, Indiana
- United States Steel/EJ&E Railroad Land Swaps
- Carmeuse Lime, South Chicago, Illinois
- Jupiter Aluminum Plant, Hammond, Indiana
- ArcelorMittal Steel Company, Various Parcels
- Oversaw boundary surveys of 11 National Guard Sites throughout the state of Indiana
- Several miscellaneous parcels throughout NE Illinois and Northern Indiana

ALTA/ACSM LAND TITLE SURVEYS

- Majestic Star Casino, 340 acres, Gary, Indiana. Project Manager. Responsible for the preparation of ALTA/ACSM Land Title surveys of eight separate parcels totaling approximately 315 acres. Historical railroad rights-of way and numerous old pipeline and utility easements through the heavy industrial area.
- Primary Energy Cogeneration Facilities, NW Indiana
- ISG Indiana Harbor Works, East Chicago, Indiana
- BP Amoco-Whiting Refinery, Various Parcels
- US Steel Corporation, Gary, Indiana
- ISPAT/Inland Steel Company, East Chicago, Indiana
- St. Anthony's Medical Center, Crown Point, Indiana

ROUTE SURVEYS

- US- 31 New Roadway (US- 20 in St. Joseph County, Indiana to US- 30 in Marshall County, Indiana). Survey Project Manager. Responsible for overseeing multiple survey crews performing horizontal and vertical control networks along with topographical surveys to supplement low level aerial mapping for the design of a 20 mile long by-pass including 26 'S' lines through two Indiana Counties. Project was cross country including areas of heavy wooded terrain. Crews uncovered over 125 Public Land Section Corners and established over 100 project benchmarks. Included preparation of three route survey plats per INDOT standards, one each for the three project phases
- Olive Road/Nimtz Parkway Reconstruction, South Bend, Indiana
- East South Street, Crown Point, Indiana
- Street Rehabilitation Projects, Hammond, Indiana
- Indian Ridge Boulevard, Mishawaka, Indiana
- Jackson Landfill Pathway, St. Joseph County, Indiana
- Ironwood/Jefferson Intersection Improvements, South Bend, Indiana
- Lincolnway West Relocation, Phase I, St. Joseph County, Indiana
- University of Notre Dame Campus Roads, Notre Dame, Indiana
- Kercher Road Reconstruction (US- 33 to CR-31), Topographic and Stream Survey, Goshen, Indiana

RIGHT-OF-WAY ENGINEERING

- Calumet Avenue Rehabilitation, Valparaiso, Indiana
- SR-130 Storm Line, Valparaiso, Indiana
- INDOT right-of-way acquisition, legal descriptions and plat preparation for parcels along SR-135
- Central Avenue Business District Revitalization and Main Street Construction, Portage, Indiana
- Various legal descriptions prepared for Easement Acquisitions for Corp of Engineers Flood Control Project, Little Calumet River Basin Development Commission, Hammond/Munster, Indiana

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CHRISTOPHER DIETZ, P.L.S.

SENIOR PROJECT MANAGER

Mr. Dietz has over 20 years of experience in 3D laser scanning surveys, tunnel and shaft surveying, control surveys, mobile LiDAR mapping, design surveys, heavy highway construction, ALTA surveys, and right-of-way monuments.

EDUCATION

Southern Illinois University, Carbondale, Illinois, 1999

College of Lake County, Grayslake, Illinois, 1997

REGISTRATION

Professional Land Surveyor
Wisconsin, #2764-8

AFFILIATIONS

College of Lake County, Civil Technologies Advisory Chairman, Grayslake, Illinois

Illinois Professional Land Surveyors Association, Grayslake, Illinois

Lake County Contractors Association, Grayslake, Illinois

Wisconsin Society of Land Surveyors, Waukesha, Wisconsin

** Prior work experience.*

PROJECT EXPERIENCE

- **O'Hare Modernization Program – Trunk Sewer System E* -** The O'Hare Modernization Program (OMP) is one of the largest construction projects in the country at one of the world's busiest airports, and is managed by the Chicago Department of Aviation (CDA). Construction layout as-builts of 6,700 ft. of 144 in. RCP storm sewer via pipe jacking. Working included tunneling under active runways and taxiways.

- **Chicago O'Hare International Airport- Interim Bensenville Ditch Project*:** Phase 1 construction of the O'Hare – OMP Expansion project. Field crew survey and management for construction layout of the new Bensenville Ditch and surrounding infrastructure. Jack and bore of a 1,200 ft. 90 in. RCP under live Union Pacific Rail lines. Included ***24-hour settlement monitoring*** of Union Pacific Railway lines. 3D modeling creation and management for AMG grading.

- **Chicago O'Hare International Airport- North Airport Control Tower Project*:** Phase 1 construction of the O'Hare – OMP Expansion project. Field crew survey and management for construction layout of the new Air-traffic control tower and surrounding infrastructure. Included 3D laser scanning of control tower structure.

- **Chicago O'Hare International Airport- 10L Runway Construction: Phase 1 construction of the O'Hare – OMP Expansion project*:** Field crew survey and management for construction layout for the runway extension. 3D model management and creation.

- **Chicago O'Hare International Airport- Sunken Caisson Pump Station* -** Phase 1 construction of the O'Hare –OMP Expansion project. Field crew survey and management for construction layout of the Sunken Caisson Pump Station. 60 ft. diameter structure build above ground and sunken. Movement monitoring and correction calculations. Included real-time monitoring of the structure.

- **130th and Torrence Avenue, Chicago, Illinois*:** This rail/roadway reconstruction project eliminates the at-grade crossings of the two Norfolk Southern main tracks with 130th Street and Torrence Ave., lowering the profile of 130th Street and Torrence Avenue to fit under two new bridges that will carry the railway. Brainard Avenue is lowered and connected to 130th Street at Torrence Ave to improve highway traffic flow

for the 32,000 vehicles a day and 24 trains that pass through the crossing. The bridge carrying two South Shore Line commuter rail tracks over the NS tracks and Torrence Avenue will also be re-built on new alignment immediately south of the current structure.

- **Central Avenue Overpass at I-55 Rehabilitation, Chicago, Illinois*:** Project Surveyor for terrestrial LiDAR scanning and mapping of a 1,200' section of Central Avenue Overpass over I-55 and an adjacent rail corridor. The project involved high accuracy terrestrial LiDAR data collection and modeling of existing bridge components in support of structural detailing of steel replacement parts for the rehabilitation of an interstate freeway overpass.

- **Chicago O'Hare International Airport- 4R/22L Runway Arrestor Project*:** Phase 1 construction of the O'Hare – OMP Expansion project. Field crew survey and management for construction layout for the installation of arrestor blocks used for emergency landings. 3D modeling creation and management.

- **Thornton Quarry – Tunnels and Shafts*:** MWRD Sewer District deep tunnel additional and final preparation for the Thornton Quarry Containment area. Construction layout and 3D modeling included 3 Deep tunnels and 2 deep shafts for the final Chicago Deep Tunnel Project. 3D laser scanning was performed for as-builts of existing shafts. The laser scanner was operated remotely for safety of construction personnel. Included settlement monitoring of I-294 and surrounding buildings adjacent to the tunnels.

- **Union Pacific Railroad, Joliet Intermodal Facility, Joliet, Illinois*:** Construction layout, 3D machine control modeling and topographic surveys.

- **Norfolk Southern*:** Positive Train Control (PTC), 3D mobile LiDAR, and Asset Management.

- **IDOT 226 – Contract 60R85*:**. Project Manager. $10 million intersection improvement project at Grand Ave and Fairfield Road in Lake County, Illinois. Project included a Value Engineering Design program for road reconstruction through a peat bog. The VE included 2100 Concrete Modulus Columns (CMC) along with Wick Drains to accelerate the expected road settlement. Project completed October, 2016 ahead of schedule and under budget.

- **Joliet Intermodal Facility – Joliet, Illinois*:** 500 acre UP Intermodal Facility. New Union Pacific Rail Road Intermodal Facility included construction layout and 3D modeling for the entire site. 3D model maintenance for Machine control GPS earth excavation and Robotic controlled string-less concrete paving machines.

- **Create B2 UP Rail Flyover Bridge – Chicago, Illinois*:** Union Pacific Rail Road Flyover Bridge construction included 3D modeling, machine control set up and maintenance, construction layout and volume calculations. 3D technologies were used to maintain and corrected positioning on double batter pile driving efforts.

- **Northbound/Southbound Dan Ryan Expressway (31st to 71st), Chicago, Illinois*:** Provided construction layout and coordination for the reconstruction of the local lanes of the Dan Ryan Expressway between 31st Street and 71st Street. This included layout for temporary structures, traffic control, storm sewers, diversion structures, grading and paving.

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DANIEL WIKTORZAK, P.E.

SENIOR CIVIL ENGINEER

Mr. Wiktorzak has a strong background in Civil Engineering that includes traffic signal design, roadway design, utility design, drainage design, erosion control, site plans, and signage and striping plans. He is currently serving as Project Manager/Engineer for civil engineering and signal design projects.

EDUCATION

B.S., Civil Engineering, University of Illinois at Chicago (UIC), 2002

REGISTRATIONS

Professional Engineer - Illinois, 2008, #062-060950

SKILLS/TRAINING

PSMJ Project Manager Training, 2015

* Work for previous employer

PROJECT EXPERIENCE

- **DuPage County Division of Transportation Central System Expansion 1 & 2.** Project Manager. Providing traffic signal Phase I and II services. The DuDOT Central System network will interconnect the County's, City of Naperville, and the Illinois Department of Transportation's (IDOT) traffic signals to the County and City Traffic Management Centers. This will allow visual monitoring of the traffic signals and adjustments of the signal timings during major traffic incidents. Phase I documents were prepared in accordance with Bureau of Local Roads and Streets Manual. DLZ is conducting field inspections of existing traffic signal installations, verifying existing signal plans, and preparing inventories of existing controller cabinets and traffic signal equipment for 104 locations and approximately 37 miles of proposed fiber optic interconnect. Equipment to be installed as part of this project includes PTZ cameras, network switches, traffic signal controllers, uninterruptible power supplies, handholes, fiber optic cable in existing as well as proposed conduit. Plans, specifications, and an estimate of cost are currently being prepared. (Current)

- **IDOT PTB 172-06 and PTB 148-04 – Various Traffic Signal Design, District 1.** Project Manager. Preparation of on-call traffic signal design services includes temporary and permanent traffic signal design and interconnect design to support the IDOT District One in-house projects. Design documents have been prepared for over 500 intersections. Work completed under this contract includes the LED signal head and intersection improvements for the Lake County, DuPage County, South Cook and Central Cook LED improvement programs. For each of the four (4) county wide programs the projects required field review, inventory and evaluation of existing signal heads, posts and control equipment. Plans were prepared to upgrade existing traffic signal equipment and PTZ cameras including coordination with local agencies to upgrade emergency vehicle preemption and Red Light Running equipment.

- **IL-59 from Aurora Avenue to Ferry Road, Naperville, Illinois.** Project Manager. Prepared Phase II design documents for improvements to Illinois Route 59 for IDOT. The project covered IL-59 from Aurora Avenue to Ferry Road, including the site of a proposed Diverging Diamond Interchange (DDI) at I-88. Prepared temporary and permanent traffic signal plans and cable plans for ten intersections in the project area, as well as prepared temporary and permanent interconnect plans for the two existing systems within the project limits. (2013)

- **Chicago Marriott O'Hare Hotel Traffic Signal Design, Chicago, Illinois.** Project Engineer. DLZ joined Ghafari Associates to provide services to the owner of the Chicago Marriott O'Hare Hotel for the reconfiguration of their parking lot and relocation of their main driveway on Illinois Route 72 (Higgins Road). Mr. Wiktorzak prepared traffic signal design and interconnect plans, and facilitated the permit process with the Illinois Department of Transportation for the access permit and future permitting of the traffic signal installation. (2017)

- **City-wide Pavement Management System, Mishawaka, Indiana**. Civil Engineer. DLZ analyzed the existing needs of the City's roadway system and developed an improvement strategy for the City. The completed study will be used as a planning tool to provide a general assessment of current roadway needs with recommended improvements presented at a budgetary level. **Approximately 170 miles of paved roadway** exist throughout the City, which were divided into segments for assessment. Existing conditions were evaluated for each of these segments and served as a primary basis for developing roadway improvement recommendations. ArcGIS software was used for the data collection, maximizing efficiency and minimizing errors. Pavement ratings were made using the University of Wisconsin-Madison's Pavement Surface Evaluation and Rating (PASER) Manuals. The system was developed as a tool for on-going use by the City to prioritize pavement maintenance and rehabilitation needs. A report was prepared that included a detailed description of the system and recommendations of how it can be maintained by the City in the future. The report provided pavement management recommendations as well as budgetary cost estimates for all recommended improvements.

- **Downtown Business District (DBD) Crosswalk and Accessibility Improvements, City of Downers Grove, Illinois.** Project Manager. Evaluation and design of improvements to existing crosswalks, curb ramps, and all other related work, within compliance of latest ADA, PROWAG and Illinois Accessibility Code standards within the limits of the Downers Grove DBD. DLZ evaluated the existing infrastructure as it relates to the materials currently used for crosswalks and ramps, their condition, and ADA compliance for 26 intersections throughout the DBD. GIS software along with topographic survey was used during the evaluation process and a report of findings and recommendations was presented to the City. DLZ is currently preparing design documents.

- **I-88 at Eola Road Interchange Improvements, DuPage County, Illinois.** Project Engineer. Interchange improvement project for the Illinois State Toll Highway Authority (ISTHA) and the DuPage County Department of Transportation. The project covered improvements to Eola Road, Bilter Road, Diehl Road, and I-88 with a full-access interchange at Eola Road and I-88, including new interchange ramps and modifications to the Diehl Road/Eola Road intersection. Prepared traffic signal plans for the I-88 ramps at Bilter Road, as well as landscaping plans and a signing plan. (2009)

- **Glenview Road and Greenwood Road Intersection Improvements, Glenview, Illinois.** Project Engineer. Traffic engineering services for an intersection improvement project in the Village of Glenview that included the design of a traffic signal system for the intersection of Glenview Road and Washington Street. The scope of work included a traffic signal design plan, a cable plan with a phasing diagram, an interconnect plan and an interconnect schematic. The new traffic signal system was designed to interconnect with the existing traffic signal system at the intersection of Glenview Road, Harlem Avenue and the Metra railroad tracks.

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MARZENA B. SZMELTER, P.E.

PROJECT ENGINEER

Ms. Szmelter has more than 19 years experience on various design projects within Illinois. She has been responsible for stormwater design, including the evaluation of drainage patterns, flood problems, detention ponds, pipe, and restrictor sizing, and the design of sanitary sewers and water main systems. Ms. Szmelter is experienced in the design of road improvements, site layouts, grading for residential, and commercial sites.

EDUCATION
M. S. Civil Engineering, Technical University of Poznan, 1983

REGISTRATION
Professional Engineer - Illinois, 2004, #062-057640

SKILLS/TRAINING
PSMJ Project Manager Training, 2015

PROJECT EXPERIENCE

- **US-30, From Williams Street to US Rte. 45, Section (12 &13) WRS-3, Contract #62479, Phase II.** Project Engineer. Design of approximately 5.5 miles of roadway reconstruction with bituminous pavement. The project includes curb and gutter, ditches, storm sewer and in-line detention, erosion control, traffic signals, construction staging, and structural design coordination. Prepared roadway plans for the project including plan and profile, detour plans, maintenance of traffic plans, drainage plans, intersection details, landscaping plans and erosion control plans. Worked on intersection details, drainage calculations and quantity calculations.

- **ISTHA Contract I-13-4166 Construction Management Services, Roadway and Bridge Reconstruction – Roselle Road Mile Post 65.57 (I-90).** Design Modification. Reconstruction of Roselle Road Bridge and ramps. The work included removal, realignment and reconstruction of the Roselle Road pavement. Removal and reconstruction of the Ramp B and Ramp C pavements. Structure replacement of Bridge No. 517 carrying Roselle Road over I-90. (2014-Current)

- **IL-2 (South Main Street) from Pond to Cedar, Reconstruction, Section (32 & 33) R-1, Contract #64821, IDOT District 2, Winnebago County**. Reconstruction of IL-2 through Rockford and traffic signals. The project includes curb and gutter, storm sewer, erosion control, traffic signals, construction staging, and structural design coordination. Prepared roadway plans for the project including plan and profile, drainage plans, intersection details and erosion control plans.

- **US-30, Wolf Road Intersection Reconstruction, Section 12R-4, Contract #60C25, IDOT District 1, Will County.** Engineer. Reconstruction of the intersection of US-30 and Wolf Road in advance of future improvements to accommodate traffic at the intersection generated by commercial development along US-30. Prepared roadway plans and specifications for the project including plan and profile, detour plans, maintenance of traffic plans, drainage plans, intersection details, pavement marking plans, signing plans, landscaping plans, erosion control plans including SWPPP, traffic signal plans including interconnect plans, and cross sections.

- **US-30, Pavement Widening and Traffic Signal Installation (Advanced Contract), Section 13-I, Contract #60I52, IDOT District 1, Will County**. Installing temporary traffic signals at the intersection of US-30 and Marley Road and associated pavement widening for signal storage and tapers. Prepared roadway plans and specifications for the project including plan and profile, erosion control plans, pavement marking and signing plans, and temporary traffic signal plans.

- **IL-72, Remove and Replace Box Culverts, Section 114T-1, Contract #64C31, IDOT District 2, Carroll and Ogle Counties.** Project Engineer. Removal of existing 10' x 6' box culvert and replacement with a 2 cell 10' x 5' box culvert, removal of existing 10' x 5' box culvert and replacement with 2 cell 6' x 4' box culvert, removal of existing 8' x 5' box culvert and replacement with 2 cell 7' x 4' box culvert, removal of existing 6' x 4.5' box culvert and replacement with 2 cell 5' x 3' box culvert, removal of existing 7' x 4' box culvert and replacement with 5 cell 6' x 3' box culvert, and the removal of existing double 6' x 5' box culvert and replacement with 2 cell 8' x 4' box culvert.

- **IL-73, Culvert Replacement, Section 106T-1, Contract #64C84, IDOT District 2, Stephenson County**. Removal of an existing double 7' x 7' box culvert and replacement with 4 cell 7' x 4' box culvert, removal of an existing 4' x 4' box culvert and replacement with a 60" pipe culvert, and widening of existing ditches to facilitate snow removal. Prepared roadway plans and specifications for the project including plan and profile, maintenance-of-traffic plans, erosion control plans including SWPPP, and cross sections.

- **US-45 From 87th Street to the Cal Sag Channel, Cook County, Illinois, IDOT, District 1, Phase II**. Project Engineer. Design, construction plans and documents for a three (3) mile section of multi-lane urban highway with at grade intersections. Project also included structures with concrete box culverts and retaining walls.

- **171st Street from Indianapolis Boulevard to Woodmar Avenue, Hammond, Indiana.** Engineer. Reconstruction of a local street through an older residential neighborhood, including combined sewer separation. In addition to the street reconstruction the project included new storm sewers, ornamental lighting, sidewalks, driveway approaches, pavement markings and traffic signal modifications.

- **US-6 & Dalzell Road Project Report, Section 17N, Project No. P93-012-05, IDOT District 3, LaSalle County.** Project report for a spot improvement at the intersection of US-6 and Dalzell Road. Collected field data including traffic counts and prepared project report including IDS.

- **Route 17 & IL-26 Project Report, Section (2Z) N&TS-3, Project No. P93-020-05, IDOT District 3, Marshall County.** Project report for a spot improvement at the intersection of IL-17 and IL-26. Worked on collection of field data and prepared project report including IDS.

- **Olcott Avenue from Borman Expressway to 169th Street, Hammond, Indiana.** Engineer. Reconstruction of a local street through an older residential neighborhood, including combined sewer separation. In addition to the street reconstruction the project included new storm sewers, sanitary sewer rehabilitation, ornamental lighting, sidewalks, driveway approaches and pavement markings.

- **I 90/94 Kennedy Expressway, Hubbard's Cave to I-290, Section (101.6(1P, 2P) & 202.6 (1P) ET AL, Contract #60387, IDOT District 1, Cook County.** Resurfacing of approximately 1.1 mile of roadway. Worked on roadway plans for the project including pavement marking plans and maintenance of traffic plans.

- **I 90/94 Kennedy Expressway, Ramp Extensions and Retaining Walls, Section (0202.6-2P, ETC, 1415, & 1517) R-7, Contract # 62408, IDOT District 1, Cook County**. Removing some existing ramps and extending remaining ramps including retaining walls. Worked on maintenance of traffic plans, pavement marking plans, drainage plans, signing plans, cross sections, quantities calculations, and sign panels design.

- **Mortenson Commercial Site Development in Minooka, Illinois.** Pavement design, grading, storm sewer, erosion and landscaping plans. Prepared specifications for the project.

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ZEBADIAH DEAN HOERBERT, E.I.

PROJECT ENGINEER

Mr. Hoerbert has experience in design of highways, traffic studies and construction inspection services. He has worked on Phase I and II design of several urban and rural roadways for Illinois Department of Transportation as well as providing Phase III services for Illinois State Toll Highway Authority construction projects. Construction duties have included inspection, documentation and creation of pay estimates. Design duties included preparation of final engineering reports, roadway plans, specifications, and quantity calculations. He has also gathered ADT data from the field.

EDUCATION
B.S. Civil Engineering, Southern Illinois University at Carbondale, 2000

REGISTRATIONS
Engineering Intern – Illinois, 2001, #61029698

SPECIAL TRAINING
Fundamentals of Storm Water Pollution and Erosion and Sediment Control, ICT & IDOT, March 2014

Erosion and Sediment Control Planning and Design, ICT & IDOT, October 2014

PROJECT EXPERIENCE

IDOT PHASE II

- **IL-53 (Columbine Rd) from North Ave (IL 64) to St Charles Rd, Section 533-R, Contract #60N82, IDOT District 1, Dupage County.** Reconstruction of IL 53 through Lombard and Addison with concrete pavement and auxiliary lanes, along with storm sewers, sidewalks, bike paths, traffic signals and removal of existing 3 span continuous steel beam bridge and replacement with a precast three sided structure on spread footings.

- **IL Route 68 (Dundee Road) at Lee Road – Culvert Replacement, Northbrook, Illinois.** Project Engineer. Preparation of contract plans and specifications for IL Route 68 at Lee Road culvert replacement project. As a subconsultant, DLZ Scope of services included MOT plans, Signing & Pavement Marking Plans and Traffic Signal Design.

- **IL-21 (Milwaukee Ave) from N. of Sanders to S. of Euclid Ave., Section 211K(R&N)-1, Contract #60R53, IDOT District 1, Cook County.** Reconstruction of IL 21 through Glenview, IL with concrete pavement and auxiliary lanes, along with storm sewers, sidewalks, and traffic signals.

- **IL-2 (South Main Street) from Pond to Cedar Reconstruction, Section (32 & 33) R-1, Contract #64821, IDOT District 2, Winnebago County**. Reconstruction of approximately 1.63 miles of IL-2 through Rockford with concrete pavement and auxiliary lanes, along with storm sewers, sidewalks, a bike path, traffic signals and a parking lot.

- **IL-72, Remove and Replace Box Culverts, Section 114T-1, Contract #64C31, IDOT District 2, Carroll and Ogle Counties**. Removal of existing 10’ x 6’ box culvert and replacement with a 2 cell 10’ x 5’ box culvert, removal of existing 10’ x 5’ box culvert and replacement with 2 cell 6’ x 4’ box culvert, removal of existing 8’ x 5’ box culvert and replacement with 2 cell 7’ x 4’ box culvert, removal of existing 6’ x 4.5’ box culvert and replacement with 2 cell 5’ x 3’ box culvert, removal of existing 7’ x 4’ box culvert and replacement with 5 cell 6’ x 3’ box culvert, and the removal of existing double 6’ x 5’ box culvert and replacement with 2 cell 8’ x 4’ box culvert. Prepared roadway plans and specifications for the project including plan and profile, erosion control plans including SWPPP and cross sections.

ISTHA PHASE II

- **Elgin-O'Hare Western Access (I-390) - Landscape Design from IL 53 to IL 83, Illinois State Toll Highway Authority (ISTHA), Downers Grove, Illinois (sub-consultant to CH2M Hill-Design Corridor Manager**). Project Engineer. Preparation of landscape design and construction documents for an approximate 3.5-mile segment of recently completed expressway, frontage roads and affected portions of local roads. Design plans address compliance with ISTHA mitigation guidelines for replacement of 5,000 to 7,000 trees and USDA/FAA restrictions regarding the proximity of plantings to O'Hare International Airport. Coordination with local agencies and participation in public meetings and stakeholder presentations are being provided for five communities located within the project corridor. Preparation of color-rendered strip maps of the project corridor are being included under an open house format.

ISTHA PHASE III

- **ISHTA Contract I-15-4662, IL 390 at I-490 Interchange, Advance earthwork and south Frontage Road Construction Supreme Drive to York Road, MP 16.2 to MP 16.9, DuPage and Cook County, Illinois.** Phase III services for the relocation of existing utilities, grading and drainage improvements associated with the construction of IL 390.

COUNTY IMPROVEMENTS

- **DuPage County Division of Transportation Central System Expansion 1 & 2.** Project Engineer. Providing traffic signal Phase I and II services. DLZ is conducting field inspections of existing traffic signal installations, verifying existing signal plans, and preparing inventories of existing controller cabinets and traffic signal equipment for 104 locations and approximately 37 miles of proposed fiber optic interconnect. Equipment to be installed as part of this project includes PTZ cameras, network switches, traffic signal controllers, uninterruptible power supplies, handholes, fiber optic cable in existing as well as proposed conduit. Plans, specifications, and an estimate of cost are currently being prepared.

MUNICIPAL IMPROVEMENTS

- **Streets for Cycling – Project 2, CDOT, Chicago, Illinois.** As a subconsultant, DLZ provided data collection and Phase II engineering services for the Chicago Department of Transportation Streets for Cycling Project 2. Scope of services includes traffic counts, field survey and preparation of plans, specifications and estimates (PS&Es) for upgrading the existing bicycle lane system and development of new bike lanes throughout Chicago.

- **Downtown Business District (DBD) Crosswalk and Accessibility Improvements, City of Downers Grove, Illinois.** Project Engineer. Evaluation and design of improvements to existing crosswalks, curb ramps, and all other related work, within compliance of latest ADA, PROWAG and Illinois Accessibility Code standards within the limits of the Downers Grove DBD. DLZ evaluated the existing infrastructure as it relates to the materials currently used for crosswalks and ramps, their condition, and ADA compliance for 26 intersections throughout the DBD. GIS software along with topographic survey was used during the evaluation process and a report of findings and recommendations was presented to the City.

- **Turner Avenue, Village of Glen Ellyn, Illinois.** Design and construction services for the reconstruction of Turner Avenue from Park to Forrest. Worked on final design for project, including design of sanitary sewer, storm sewer, and water main, and prepared cross sections. Participated as construction inspector during construction of sanitary and storm sewer.

- **Irving Park Station, United States Postal Service, Chicago, Illinois**. Replacement of existing parking lot and repairs to lighting and loading docks at Irving Park Station post office in Chicago, IL.



CHARLES (TEUER) FAWCETT, P.E., PTOE

SENIOR TRANSPORTATION ENGINEER

Mr. Fawcett has 17 years of experience in Civil and Transportation Engineering. His focus has been in Traffic Engineering and Analysis including Traffic Impact Studies, traffic data collection and traffic modeling and simulation. His work experience includes analysis for temporary traffic signals/construction staging, pedestrian signals, work zone mobility analyses, signal optimization studies, signal timing recommendations, signal warrant analysis, left turn phasing analysis, intersection geometry improvements, crash analyses, and traffic signal plans.

EDUCATION
B S., Civil Engineering, University of Akron, 2000

REGISTRATIONS
Professional Engineer - Illinois, 2005, #062-058424

Professional Engineer – Michigan, 2015, #6201062105

CERTIFICATION
Professional Traffic Operations Engineer, 2012

SKILLS/TRAINING
PSMJ Project Manager Training, 2015

* Work with previous employer

PROJECT EXPERIENCE

- **IDOT PTB 177-15 – Field Collection of Traffic Data in Districts 4, 6, 8, Illinois.** Project Manager. The Illinois Department of Transportation chose DLZ to perform their annual traffic data collection program in Districts 4, 6 & 8 which covers approximately the southwest third of the state. Conducting 24-hour roadway counts with road tubes, Hi-Stars and *Miovision* cameras. (Current)

- **West Downtown Dearborn Streetscape Project, Dearborn, Michigan.** Lead Traffic Engineer. DLZ joined Smith Group JJR on a project for the City of Dearborn to improve the streetscape of several blocks of the west downtown area to beautify it and make it more pedestrian friendly. The project includes a section of US 12 that is under MDOT jurisdiction where planted medians and midblock pedestrian crossing are being proposed. Mr. Fawcett is preparing a Traffic Impact Study according to MDOT requirements that assess the proposed medians and pedestrian crossings, making recommendations for implementing the City's plan in a way that will maintain acceptable traffic operations along this key route serving both Dearborn and the larger Detroit Metropolitan Area. (Current)

- **Downtown Midland Streetscape Redevelopment Study, Midland, Michigan.** Lead Traffic Engineer. DLZ joined Smith Group JJR on a project for the City of Midland to perform a streetscape study and design for Main Street from M-20/Jerome Street to State Street in the City. The study phase of the project included a detailed traffic analysis of Main Street and all cross-roads, geotechnical investigations, cost estimation, topographic survey, and development of streetscape concept design plans. (2017)

- **Traffic Studies and Analysis, Public Building Commission, Chicago, Illinois.** Project Manager. Working with the Public Building Commission of Chicago (PBC) to perform on-call traffic impact studies. In 2017, Mr. Fawcett prepared studies for planned annex additions to Mount Greenwood Elementary School and Ebinger Elementary School. To date, ten studies for proposed school reconstruction and expansion projects in Chicago have been conducted. The studies are designed to determine the impact of the new or expanded

facilities to streets adjacent to the project sites and to assess accommodations for pedestrians, school buses and transit in the study areas. (Current)

- **O'Hare Modernization Program, Chicago, Illinois.** Traffic Engineer. Working with AECOM and DMJM, DLZ prepared analysis and planning for a shuttle bus system that would move people between the Consolidated Rental Car (ConRAC) Facility and the airport terminals. This shuttle bus system will be in place until the airport's Automated Transit System (ATS) is extended to the newly constructed ConRAC facility. DLZ analyzed the capacity of the ConRAC bus plaza as designed to ensure that it could accommodate this temporary shuttle bus system based on ridership needs. DLZ followed up this analysis by fleshing out the proposed system's fleet needs and developing schedule timetables for implementation.

- **City of Marquette, MI Engineering Services.** Traffic Engineer. DLZ was chosen by the City of Marquette in the Upper Peninsula of Michigan to conduct various services that have included a City-Wide Traffic Study, a Truck Route Study, a Traffic Impact Study for the relocation of Marquette General Hospital and Transportation Design Services for roadway improvements near the proposed Hospital site. Mr. Fawcett led the technical analyses for the City Wide Traffic Study which included traffic data collection and modeling of 80 intersections throughout the city. Mr. Fawcett evaluated and recommended improvements to intersection control including modified traffic control and improved signal coordination and operation. Mr. Fawcett evaluated traffic signal operations along the proposed truck route of the Truck Route study. He developed a traffic management plan (TMP) for the construction of the proposed improvements to accommodate the relocated Hospital. The TMP includes recommended temporary traffic signal operations and timing for each stage of construction. (2017)

- **Chicago Marriott O'Hare Hotel Traffic Signal Design, Chicago, Illinois.** Project Manager. DLZ joined Ghafari Associates to provide services to the owner of the Chicago Marriott O'Hare Hotel for the reconfiguration of their parking lot and relocation of their main driveway on Illinois Route 72 (Higgins Road). Mr. Fawcett oversaw the completion of a preliminary Intersection Design Study, traffic signal design and interconnect plans, assisted Ghafari with developing proposed geometry for the relocated driveway on the state route and facilitated the permit process with the Illinois Department of Transportation for the access permit and future permitting of the traffic signal installation. (Current)

- **North High School Traffic Analysis, Downers Grove, Illinois.** Project Manager. A traffic impact study for proposed improvements to North High School in Downers Grove, for Illinois Community High School District 99. (2014)

- **Cumberland Station, Des Plaines, Illinois.** Project Manager. Working with a consultant team to provide a transit-oriented development (TOD) plan in the City of Des Plaines.

- **Stuenkel Road Interchange, Will County, Illinois.** Project Manager. Prepare a Design Report for a new interchange on I-57 at Stuenkel Road for the Illinois Department of Transportation (IDOT). The new Design Report involved Phase I Engineering design and the preparation of an estimated cost for construction. Directed the collection of traffic data, a crash analysis, and intersection design studies (IDS) for intersections on either side of the proposed interchange. Used Synchro to perform capacity analyses at the study intersections. Included in the IDSs were recommended geometry, right-of-way and traffic signal Phase I engineering and design to support the interchange design report. (2011)

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EDUCATION

M.S. Civil Engineering, Purdue University, 1996

B.S. Civil Engineering, Purdue University, 1995

REGISTRATIONS

Professional Engineer
- Indiana, 2000, #10000097
- Illinois, 2001, #062-054855
- Michigan, 2001, #47910
- Ohio, 2001, #65994
- Kentucky, 2015, #31441

SPECIAL TRAINING

PMSJ Project Manager Training, 2015

Illinois Capital Development Board (CDB) Project Management for Architects/Engineers

Computational Hydraulic Modeling with SWMM Seminar

Tunnel Design and Construction Workshop

Design and Construction of Tunnels Seminar

NPDES Permitting Seminar

Project Management Bootcamp

LPA Project Development Training

AFFILIATIONS

American Water Works Association (AWWA)

ANTHONY J. KENNING, M.S., P.E.

PROJECT MANAGER

Mr. Kenning has served as project manager for many key projects involving public works related projects for numerous communities. As project manager, he is responsible for continuous interaction with the client, project progress meetings and correspondence, maintaining schedules, budgeting, coordinating company resources and quality assurance/control. Mr. Kenning's technical expertise includes: design and analysis of stormwater, wastewater, water, site and roadway facilities; hydraulic and hydrologic computer modeling; water distribution system computer modeling; permitting; review of site plans and subdivisions for cities, towns and conservancy districts; surveying; construction inspection; and construction administration. He is well versed in many hydraulic and hydrologic computer programs including: XP-SWMM, HEC-RAS, HEC-HMS, TR-20, Hydrain and WaterCAD. Mr. Kenning also serves in the capacity of Town, Board and Association Engineer to several communities in Lake County and Porter County, Indiana and has taught college level drainage at Purdue University Calumet.

PROJECT EXPERIENCE

STORMWATER

- **Phase 1 Stormwater Improvements Project, Twin Creeks Conservancy District, Porter County, Indiana.** Project Manager, Lead Design and Hydraulics Engineer. The project consisted of 1,300 feet of a new 30-inch to 42-inch storm sewer, ditch construction, roadway reconstruction, and roadway base stabilization. Army Corps of Engineers approvals were required as part of the project for new ditch construction through a wetland. Construction cost is approximately $0.8 million and will be funded with local funds.

- **Sheridan Beach Sewer Separation, Michigan City, Indiana.** Project Manager, Lead Hydraulics Engineer. The project consisted of 2,300 feet of storm sewer ranging in size to 30-inches in diameter. The project consisted of installation of portions of the sewer by pilot tube bore and jack methods. Three buried stormwater retention chambers were included in the project to infiltrate stormwater. The project was funded through the State Revolving Loan funding and also addressed EPA compliance requirements. Construction cost was $3 million.

- **Chautauqua Park Stormwater, Valparaiso, Indiana**. Project Manager. Planning, hydraulic modeling, design, and permitting of over 12,000 ft. of 12- to 30-inch diameter storm sewer and two detention basins totaling 20 acre-ft. in volume. The project included the reconstruction and partial reconstruction of roadway, intersection grading, and relocation of water main and sanitary sewer. Permits included Rule 5, Norfolk & Southern Railroad, IDEM Sanitary, and IDEM Water. The project serves over 80 acres and was hydraulically modeled with XP-SWMM. Construction cost is approximately $6 million.

- **Damon Run Watershed Planning, Porter County, Indiana.** Project Manager/Lead Hydraulic Engineer. 11

- **Stormwater Management System Review, Highland, Indiana**. Project Manager/Lead Hydraulic Engineer. Performed an initial review of the Town's stormwater management system that included recommendations and prioritization of areas of future study.

OTHER STORMWATER SYSTEM DESIGN AND ANALYSIS

- US-52 Drainage Design (INDOT), Lafayette, Indiana
- North Calumet Avenue Drainage Design, Valparaiso, Indiana
- South Calumet Drainage Design, Chesterton, Indiana
- US-33 Corridor Stormwater Master Planning (INDOT), Goshen, Indiana
- Stormwater Management System Review, Highland, Indiana
- Sand Creek Letter of Map Revision, Chesterton, Indiana*
- Stormwater Master Plan, City of Huntington, Indiana*
- Stormwater Management Plan, City of Jeffersonville, Indiana*
- Stormwater Cost of Services Study, Town of Cedar Lake, Indiana*
- Stormwater Cost of Services Study and Capital Improvements Plan, Town of Dyer*
- Miscellaneous Stormwater Studies, City of Logansport, Indiana*
- Miscellaneous Stormwater Studies, City of Angola, Indiana*
- Miscellaneous Stormwater Studies, Town of Topeka, Indiana*
- Miscellaneous Stormwater Studies, Town of Cedar Lake, Indiana*

WASTEWATER

- **5th Avenue Lift Station Project, Highland, Indiana.** Project Manager. In order to comply with an Administrative Order, the Town of Highland was required to upgrade the existing pump station from 8 MGD to 20 MGD. The project includes the complete design of a six (6) pump submersible lift station capable of pumping into any combination of an 8 MG storage tank, 6 MGD storage tank, and the existing discharge force main. The lift station design would allow for fully automatic operation. In addition to overall project coordination, Mr. Kenning prepared hydraulic calculations for the complex pumping system. The lift station will be constructed to an approximate depth of 40 feet adjacent to the Little Calumet River. Estimated construction cost is $5 million and the project will be constructed using local revenue bonds.

- **Horse Prairie Lift Station Project, Valparaiso, Indiana**. Project Manager. Prepared design plans and specifications for the upgrade of the existing lift station to a 6.8 MGD lift station to accommodate future flows from a proposed industrial expansion in the City. Elements of the project include new pumps, valves, electrical control structure, and other appurtenances. The project is partially funded through SRF. The construction cost is estimated at $600,000.

- **Lake Avenue Lift Station, Michigan City, Indiana.** Project Manager. As part of the Sanitary District's EPA Compliance, Mr. Kenning designed a one MGD pump station replacement. The project included approximately 900 ft. of new 8-inch force main and 900 ft. of new 8- through 15-inch gravity sanitary sewer. The reconstruction of the existing beach access parking lot where the lift station will reside will be reconstructed with stormwater infiltration practices as part of this project. A new restroom facility for beach access patrons was developed as part of this project. The lift station and restroom facilities were integrated together to improve aesthetics. Construction cost was $1 million.

- **Beardsley CSO Basins/Stormwater Separation Plan, Elkhart, Indiana.** Project Manager/Hydraulic Modeler. Responsible for providing technical services, design and hydraulic modeling services for the project. Provided review, refinement and use of the Citywide XP-SWMM hydrologic and hydraulic computer model for the development of a 1.0 MG buried flow equalization basin, 20 MGD pump station and associated appurtenances. Modeling included a review of alternatives to separate portions of the Beardsley CSO Basins areas. The project consisted of the reconstruction of over 4,000 ft. of residential roadway, 3,600 ft. of storm sewer, 3,000 ft. of sanitary sewer, 3,500 ft. of water main, 3,600 ft. of 20-inch diameter force main, one 1.0 MG buried concrete flow equalization basin, a 20 MGD pump station, diversion weir and sewer. The project was a requirement of the City's Long Term Control Plan and the EPA Consent Decree. Construction cost: $6 million.

WATER DISTRIBUTION MODELING AND FACILITY DESIGN

- **Stone Avenue Water Main Relocation Project, Indiana American Water Company, Portage, Indiana.** Project Manager. Design, construction administration and inspection of approximately 12,500 ft. of 8-inch and 12-inch water main on Stone Avenue between County Line Road and Willowcreek Road in the City. The project will include bore and jack elements as well as directional drill elements. $1.2 million.

- **IDOT Maintenance Facility Water Main, Sanitary Force Main and Pumping Station Facility, Tuscola, Illinois.** Civil Engineer. Developed plans, specifications and permits for the construction of approximately 4500 ft. of water main extension and 4500 ft. of sanitary sewer force main to serve the existing IDOT

Maintenance Facility.

- **City of Valparaiso, Indiana.** Update and calibration of existing 2000+ pipe WaterCAD model for the entire City; Analysis of 30+ new subdivisions; Recommendations for Capital Projects

NPDES COMPLIANCE

- **Twin Creeks Conservancy District, Porter County, Indiana.** Project Manager. Developed system wide stormwater facilities mapping, conducted illicit discharge inspections of the Districts stormwater outfalls and managed the development of the District's Geographic Information System.

- **Twin Creeks Conservancy District, Porter County, Indiana.** Project Manager. Responsible for preparation of the District's Notice of Intent, Part A, Part B and Part C NPDES Rule 13 Compliance Applications. Responsible for preparation of the District's annual reporting to IDEM.

- **City of Portage, Indiana.** Project Manager. Provided assistance to the City during the development of the NOI, Part B, and Part C NPDES Rule 13 Compliance.

TOWN ENGINEERING AND STORMWATER BOARD ENGINEERING

- **Porter County Planning Department, Porter County, Indiana**. Project Manager. Provides stormwater reviews of subdivisions and site development plans.

- **Town of Hebron, Indiana.** Project Manager. Provided as needed stormwater reviews.

- **Town of Winfield, Indiana.** Project Manager. Provides site plan and development reviews, stormwater reviews, construction administration and inspection, pavement management, drainage investigations and traffic investigations.

- **Lakes of the Four Seasons, Lake and Porter County, Indiana.** Project Manager. Provides as-needed engineering services, drainage investigations and traffic investigations.

- **Twin Creeks Conservancy District**. Project Manager. Provides stormwater reviews, NPDES Rule 13 compliance assistance, mapping, construction administration and inspection services.

- **Cedar Lake, Indiana.*** Provided town engineering services to the town including subdivision and site development plan reviews, and review of drainage and sanitary issues.

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

[2] Design Engineering

[4] Wastewater Improvements

[3] Stormwater Engineering

[1] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: Gregory R Brumm

Print Name .....: Gregory R. Brumm, PE

Position/Title.....: Officer/Vice President

Company Name ...: DLZ Illinois, Inc.

Address line 1 .....: 8430 West Bryn Mawr Avenue

Address line 2 .....: Suite 100

Telephone.....: 773.283.2600

Engineering Enterprises, Inc.



Qualifications:

Professional Engineering Services

Establishment of Short-List for Civil Engineering Services

October 19, 2017

BENSENVILLE
GATEWAY TO OPPORTUNITY

52 Wheeler Road, Sugar Grove, IL 60554 ~ (630) 466-6700 tel ~ (630) 466-6701 fax ~ www.eeiweb.com

Engineering Enterprises, Inc.

October 19, 2017

Mr. Joseph M. Caracci, P.E.
Director of Public Works
Village of Bensenville
717 East Jefferson Street
Bensenville, IL 60106

Re: Statement of Qualifications for Establishment of Short-Lists for Civil Engineering Services Village of Bensenville, Illinois

Dear Mr. Caracci:

At this time we are seeking to become qualified in Resident Engineering, Design Engineering and Wastewater. Enclosed are one (1) original and (4) paper copies and one (1) electronic submittal of our Statement of Qualifications that has been carefully compiled to address all elements in your Request for Qualifications.

During the past six years, EEI has successfully worked with the Village's Engineering and Public Works staff on several high-level projects and value the fine working relationships that have been forged during this timeframe. We look forward to working with Village staff members on new project opportunities in the future. Should you have any questions or require additional information, please do not hesitate to contact us.

Respectfully submitted,

ENGINEERING ENTERPRISES, INC.

Thomas W. Talsma

Thomas W. Talsma
Vice President / Principal-In-Charge

52 Wheeler Road, Sugar Grove, IL 60554 ~ (630) 466-6700 tel ~ (630) 466-6701 fax ~ www.eeiweb.com

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- *Resumes*

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- *Public Agency Funding Assistance Summary*
- *Value Added Services*

52 Wheeler Road, Sugar Grove, IL 60554 ~ (630) 466-6700 tel ~ (630) 466-6701 fax ~ www.eeiweb.com



I. Contact Information

Name of Firm: **Engineering Enterprises, Inc.**

Contact: **Thomas W. Talsma**
Vice President



Address: 52 Wheeler Road
Sugar Grove, IL 60554

Telephone: (630) 466-6700 General
(630) 466-6785 Direct

Cell Phone: (630) 816-0815

Fax: (630) 466-6701

Email: ttalsma@eeiweb.com

Office Location:





STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [2] Design Engineering
- [3] Wastewater Improvements
- [ ] Stormwater Engineering
- [1] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: Thomas W. Talsma

Print Name .....: Thomas W. Talsma

Position/Title.....: Vice President

Company Name ...: Engineering Enterprises, Inc.

Address line 1 .....: 52 Wheeler Road

Address line 2 .....: Sugar Grove, IL 60554

Telephone.....: (630) 466-6700

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/11/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Wine Sergi Insurance 1000 E. Warrenville Road Suite 101 Naperville IL 60563	**CONTACT NAME:** **PHONE (A/C, No, Ext):** 630-513-6600 **FAX (A/C, No):** 630-513-6399 **E-MAIL ADDRESS:** jarar@winesergi.com
	INSURER(S) AFFORDING COVERAGE / **NAIC #** **INSURER A :** Wesco Insurance Company / 25011
INSURED ENGEN01 Engineering Enterprises, Inc. 52 Wheeler Rd. Sugar Grove IL 60554	**INSURER B :** **INSURER C :** **INSURER D :** **INSURER E :** **INSURER F :**

COVERAGES **CERTIFICATE NUMBER:** 1291435391 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ CLAIMS-MADE ☐ OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	☐ POLICY ☐ PRO-JECT ☐ LOC						PRODUCTS - COMP/OP AGG	$
	☐ OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ☐ NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N	N / A					☐ PER STATUTE ☐ OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ **(Mandatory in NH)**						E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	Professional Liability			ARA1120123	6/14/2017	6/14/2018	Aggregate Each Claim	2,000,000 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

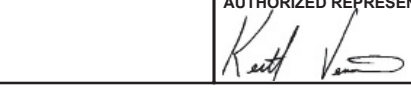
CERTIFICATE HOLDER

Village of Bensenville
12 South Center Street
Bensenville IL 60106

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/10/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Jeff Volkman	
Volkman Insurance Agency 161 S. Lincolnway, Suite 206 North Aurora, IL 60542	PHONE (A/C, No, Ext): 630-897-8824	FAX (A/C, No): 630-897-1550
	E-MAIL ADDRESS: jvolkmanins@gmail.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Liberty Mutual Insurance Company	
INSURED Engineering Enterprises, Inc. 52 Wheeler Road Sugar Grove IL 60554	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	XX COMMERCIAL GENERAL LIABILITY	x	x	BKS (18) 56 23 48 35	07/12/17	07/12/18	EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE XX OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 300,000
	XX Blanket Primary & Non-Cont						MED EXP (Any one person)	$ 15,000
	XX Blanket Waiver of Subro.						PERSONAL & ADV INJURY	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 2,000,000
	POLICY XX PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	OTHER:							$
A	AUTOMOBILE LIABILITY			BAS (18) 56 23 48 35	07/12/17	07/12/18	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	XX ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	XX HIRED AUTOS / XX NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
A	UMBRELLA LIAB XX OCCUR	x	x	USO (18) 56 23 48 35	07/12/17	07/12/18	EACH OCCURRENCE	$ 5,000,000
	XX EXCESS LIAB / CLAIMS-MADE						AGGREGATE	$ 5,000,000
	DED XX RETENTION $ 10,000							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N		x	XWS (18) 56 23 48 35	07/12/17	07/12/18	XX PER STATUTE / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N / N A (Mandatory in NH)						E.L. EACH ACCIDENT	$ 500,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 500,000
							E.L. DISEASE - POLICY LIMIT	$ 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

When required by written contract, the following will be endorsed as additional insureds per the blanket additional insured coverage provided by the general liability policy (CG8810):
VILLAGE, its officers, agents, employees, representatives and assigns

CERTIFICATE HOLDER

The Village of Bensenville
12 South Center Street
Bensenville, IL 60106

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



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1	**Case Name**	*Linda McDonald*
	Case #	14 L 000152
	Court	Circuit Court of Kane County
	Basis	Plaintiff fell due to conditions
	Outcome	Closed 2017

2	**Case Name**	*City of Aurora*
	Case #	1842531
	Court	Insurance Claim – Professional Liability
	Basis	Water line pressurized and caused damage to building basement
	Outcome	On-going; participating in depositions as required, not named

*Still waiting for 2017 letter to be issued

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

August 31, 2016

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Peter Wallers
ENGINEERING ENTERPRISES, INC.
52 Wheeler Road
Sugar Grove, IL 60554

Dear Peter Wallers,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $14,400,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 172.55% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR ENGINEERING ENTERPRISES, INC.

CATEGORY	STATUS
Special Studies - Feasibility	X
Special Services - Surveying	X
Special Studies - Safety	X
Special Studies - Traffic Signals	X
Special Studies - Traffic Studies	X
Location Design Studies - Rehabilitation	X
Special Services - Construction Inspection	X
Special Services - Sanitary	X
Hydraulic Reports - Waterways: Typical	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Highways - Roads and Streets	X
Special Studies - Location Drainage	X
Hydraulic Reports - Waterways: Complex	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST



Project / Client	**Boulder Hill Water Main Replacement / Village of Montgomery (Design Engineering / Resident Engineering)**
Scope of Work / (Contractor) / Client POC	Provided preliminary, final and construction engineering services for the installation of approximately 23,000 linear feet of 6-inch and 8-inch water main and related appurtenances within a residential subdivision. A portion of the project was funded through the IEPA Low Interest Loan program. IEPA project requirements for construction, including preparing IEPA disbursement requests and conducting field interivews with workers regarding wages. Some of the project features included the directional drilling of HDPE pipe in several different locations, coordination with multiple government jurisdictions and detailed resident communication. To aid in communication with Village and other governmental officials, daily and weekly summaries were provided through-out the course of the project. In addition, a project website was also created to transfer information to the Village staff as well as offered a source of information for the residents. Additional resident communications involved public meetings and the handing out of informational fliers. Phase II & III / Local and IEPA / Superior Excavating / Conley Excavating / S&K Excavating / Todd Hoppenstedt, *Director of Public Works*, (331) 212-9041
Project Team	Peter Wallers, P.E., CFM – PIC; Julie Morrison, P.E. – Project Manager; John Hoffmann, P.E., CPII – Design Engineer and Resident Engineer; Mark Scheller, P.L.S. – Survey; Kris Pung - CAD
Construction Cost / Fee / Year	$6,600,000 / $1,100,000 / 2012 – 2015

Project / Client	**Countryside Street and Water Main Improvements / United City of Yorkville (Design Engineering / Resident Engineering)**
Scope of Work / (Contractor) / Client POC	Provided final design engineering services for the replacement of approximately 16,000 linear feet of 8-inch and 12-inch water main and related appurtenances within an existing residential subdivision. The project also included concrete curb and gutter and sidewalk removal and replacement as well as the complete removal and replacement of the bituminous pavement. Extensive coordination and communications were necessary with the surrounding businesses and residents. To aid in communication with City and other governmental officials, daily and weekly summaries were provided through-out the course of the project. Additional resident communications involved public meetings and the handing out of informational fliers. Phase II & III / Local / Geneva Construction / Eric Dhuse, *Director of Public Works*, (630) 553-4370
Project Team	Brad Sanderson, P.E. – PIC; Julie Morrison, P.E. – Project Manager; John Hoffmann, P.E CPII – Design Engineer; Kyle Welte, P.E., CPII – Design Engineer and Resident Engineer; Mark G. Scheller, P.L.S. – Survey; Kris Pung – CAD
Construction Cost / Fee / Year	$4,438,000 / $730,000 / 2015 – 2017

Project / Client	**Chicago Street from Center Street to Liberty Street / City of Elgin (Design Engineering)**
Scope of Work / (Contractor) / Client POC	Provided Phase I and II engineering services for the reconstruction of Chicago Street from Center Street to Liberty Street, a total distance of approximately 3,500 linear feet. The existing two-lane road with parking on both sides will be reconstructed to provide for two lanes of vehicular traffic, a bike-lane in each direction and parking on one side. The improvement will consist of PCC pavement, concrete curb and gutter, PCC sidewalk, storm sewer, water main, sanitary sewer lining, ornamental roadway lighting and traffic signal modifications. Phase I work included a topographic survey, pavement analysis, drainage technical memorandum, traffic signal warrant analyses, crash analyses, capacity analyses, traffic management study, environmental studies including historic district documentation, preliminary plan, profile and typical sections, identification of land acquisition requirements and estimate of cost. Phase II work included preparation of improvement plans and contract documents as well as coordination of land acquisition for 29 parcels. The final design also included the de-combining of sanitary sewer and the design of storm sewer up to 54-inches. Phase II plans, specifications and estimates were prepared for an IDOT letting. The project is currently targeted for the January 2018 letting. EEI will also be providing Phase III services on the project for the City. Phase I, II & III (Future) / STP & Local / Contractor: TBD / Ron Rudd, P.E., *City Engineer*, (847) 931-6081
Project Team	Tim Weidner, P.E. – Project Manager; Colleen Jaltuch, P.E. – Design Engineer; Collette Frohlich, P.E. – Design Engineer; Tim Paulson, P.E., CFM − Drainage; Mark Scheller, P.L.S. – Survey; Kris Pung – CAD
Construction Cost / Fee / Year	$7,024,630 (Estimate) / $1,600,000 / 2018-2019 (Anticipated)

Project / Client	**Park Boulevard from Illinois Route 38 to Crescent Boulevard and Main Street from Illinois Route 38 to Fairview Avenue / Village of Glen Ellyn (Design Engineering)**
Scope of Work / (Contractor) / Client POC	Provided Phase I and Phase II engineering services for the federally funded 3R reconstruction of Park Boulevard from Illinois Route 38 to Fairview Avenue, a distance of approximately 1,800 linear feet and pavement milling, patching and resurfacing from Fairview Avenue to the Union Pacific Railroad tracks just south of Crescent Boulevard, a distance of approximately 4,600 linear feet. Additionally, provided Phase I and Phase II engineering services for the federally funded LAFO resurfacing of Main Street from Illinois Route 38 to Fairview Avenue, a distance of approximately 1,800 linear feet. In the reconstructed section, Park Boulevard will be widened to provide bicycle accommodation via shared motorist/cyclist lanes and the Type B-6.18 concrete curb and gutter will be constructed to replace the existing Type B-6.12 curb and gutter. Storm sewer will be upgraded accordingly and the water main will be replaced. Sidewalk will be upgraded as necessary to be ADA compliant. The Phase I work included a topographic survey, pavement analysis, drainage technical memorandum, crash analyses, capacity analysis, traffic management study, environmental studies, preliminary plan, profile and typical sections, and estimate of cost were included in a Project Development Report approved by IDOT. Phase II work included preparation of improvement plans and contract documents as well as coordination of land acquisition for 1 parcel. Phase II plans, specifications and estimates were prepared for an IDOT letting. The project is currently targeted for the January 2018 letting. Phase I & II / STP & Local / Contractor: TBD / Richard Daubert, *Professional Engineer*, (630) 547-5507
Project Team	Tim Weidner, P.E. – Project Manager; Colleen Jaltuch, P.E. - Design Engineer; Michael Brouch P.E., CPII – Design Engineer; Collette Frohlich, P.E. – Design Engineer; Tim Paulson, P.E., CFM − Drainage; Mark Scheller, P.L.S. – Survey; Kris Pung – CAD
Construction Cost / Fee / Year	$3,371,589 (Estimate) / $394,695 / 2018 (Anticipated)

Project / Client	**2013 Street Rehabilitation – Union-Sheridan / City of Elgin (Design Engineering / Resident Engineering)**
Scope of Work / (Contractor) / Client POC	Provided Phase II and III services for the rehabilitation of over 11,270 linear feet of roadway in Elgin in a residential and commercial area. The project included the complete removal and replacement of the existing sidewalk, curb and gutter and driveways, pavement patching, the installation of 1,140 linear feet of new water main, sanitary sewer lining, milling and resurfacing. The project also included sanitary sewer de-combining and the installation of 7,250 linear feet of storm sewer up to 42-inches. During the preliminary design, an alternative storm sewer design was provided that resulted in cost savings to the City in the range of $750,000 to $1,000,000. The project also involved extensive coordination with private utility companies. Conflicts included major AT&T and ComEd Ducts. Extensive coordination and communications were necessary with the surrounding businesses and residents. To aid in communication with City and other governmental officials, daily summaries were provided through-out the course of the project. Additional resident communications involved public meetings and the handing out of informational fliers. Phase III engineering services were provided including construction staking, inspection and documentation, quality assurance, pay estimates and contract management. Phase II and III / Local / Bolder / Ron Rudd, P.E., *Civil Engineer II*, (847) 931-6081
Project Team	Brad Sanderson, P.E. – QC/QA; Julie Morrison, P.E. – Design Engineer; Tim Paulson, P.E., CFM – Design Engineer; Todd Wells, P.E., CPII – Resident Engineer; Mark Scheller, P.L.S. – Survey; Kris Pung – CAD
Construction Cost / Fee / Year	$5,200,000 / $950,000 / 2013

Project / Client	**Game Farm Road and Somonauk Street Improvements (Resident Engineering)**
Scope of Work / (Contractor) / Client POC	Provided Phase III services for the removal, widening, and reconstruction of over 4,720 linear feet of Game Farm Road and Somonauk Street in the United City of Yorkville. This project also included 4,650 linear feet of storm sewer, 800 linear feet of water main replacement, sanitary sewer repairs, 10,650 feet of curb, and installation of a retaining wall and shared use path. This project consisted of complete reconstruction of an existing street within a residential area utilizing STP funds. In addition to serving residents, the streets served City Hall, Yorkville Public Library, Yorkville Police Department, a community center, Yorkville High School, Yorkville Freshman Academy and the Yorkville Grade School. The project involved extensive coordination with the school district, City Hall, and local residents. Part of the coordination involved a public open house, weekly summaries to the City and School District, weekly progress meetings with contractor and the distribution of project fliers. The City's website was also updated routinely to provide current information. Phase III engineering services including construction staking, inspection, ICORS documentation, quality assurance, pay estimates and contract management. Phase III / Local & Federal / Geneva Construction / Eric Dhuse, *Public Works Director*, (630) 553-4370
Project Team	Brad Sanderson, P.E. – Principal-In-Charge; Julie Morrison, P.E. – Project Manager; Kyle Welte, P.E. – Resident Engineer
Construction Cost / Fee / Year	$3,773,100 / $538,260 / 2015

Project / Client	**Kennedy Road Bike Path from Illinois Route 47 to Mill Road / United City of Yorkville (Design Engineering / Resident Engineering)**
Scope of Work / (Contractor) / Client POC	Provided Phase I, II and III engineering services for the construction of a 10 foot wide hot-mix asphalt bike path from Illinois Route 47 to Mill Road, a distance of approximately 3.1 miles through residential and rural areas. The Phase I work consisted of a topographic survey, drainage technical memorandum, preliminary plan, profile and typical sections, environmental studies including a PESA, wetlands analysis and tree survey, identification of land acquisition requirements and estimate of cost all of which will be included in a Project Development Report to be approved by IDOT. Phase II work included preparation of improvement plans and contract documents as well as coordination of land acquisition for 2 parcels. Phase II plans, specifications and estimates were prepared for an IDOT letting. Phase III engineering services including construction staking, inspection, ICORS documentation, quality assurance, pay estimates and contract management. Phase I, II & III / Local & STP / Contractor: D Construction / Eric Dhuse, P.E., *Public Works Director*, (630) 553-4370
Project Team	Tim Weidner, P.E. – Project Manager, Design Engineer; Colleen Jaltuch, P.E., LEED AP BD&C – Engineer; Tim Paulson, P.E., CFM − Drainage; Mark Scheller, P.L.S. – Survey; Todd Wells, P.E., CPII – Resident Engineer; Kris Pung – CAD
Construction Cost / Fee / Year	$800,000 / $237,000 / 2012-2017

Project / Client	**2005-2008, 2011-2018 Street Rehabilitation Program / Village of Lisle (Design Engineering)**
Scope of Work / (Contractor) / Client POC	Provided design and construction layout services for 41 miles of roadway improvements at various locations in the Village. The scope of work included the complete removal of existing hot-mix asphalt surface and binder courses, repairing and reshaping the existing base course, storm sewer improvements, curb and gutter removal and replacement, sidewalk repair, restoration and pavement striping. Various years also included sections of pulverization and recycling of the existing pavement, large storm sewer improvement projects including storm sewers up to 54 inches in diameter, and over 3,600 linear feet of water main replacement ranging in size from six to twelve inches in diameter. Also provided design and staging plans for the resurfacing of various commuter parking lots adjacent to the Metra Station and City Hall in downtown Lisle as well as the Village Police Station. The 2018 program design is currently in progress. Phase II / MFT & Local / Brothers Asphalt, James D. Fiala Paving, K-Five Construction, Geneva Construction / Jason Elias, *Public Works Director*, (630) 271-4100
Project Team	Tim Weidner, P.E. – Project Manager, Design Engineer; Michael Brouch, P.E., CPII, Design Engineering; Chris Ott, P.E.– Design Engineer; Tim Paulson, P.E., CFM − Drainage; Mark Scheller, P.L.S. − Survey
Construction Cost / Fee / Year	$17,700,000 / $950,000 / 2005-2008, 2011-2018

Project / Client	**Local Agency Functional Overlay (LAFO) Projects (Design Engineering/ Resident Engineering)**
Scope of Work / (Contractor) / Client POC	Provided design engineering and construction engineering services for over 30 Federally Funded Local Agency Pavement Preservation (LAPP) and Local Agency Functional Overlay (LAFO) improvement projects dating back to 2003. Each project consisted of field evaluations to determine the condition of the existing roadway and the proper rehabilitation method. Most projects typically consisted of minor drainage improvements, the replacement of deteriorated sidewalk and curb and gutter, pavement patching, milling, resurfacing, pavement markings and vegetative restoration. Phase II contract plans, specifications and estimates to be prepared according to IDOT Standards for a State Letting. Additionally, provided Phase III engineering services consisting of project management and on-site observation. Additional design cost and design schedule information is available upon request. The projects within the last five years are as follows (for projects notated with an *, design engineering is nearing completion with construction anticipated to commence in the year provided): **City of Elgin:** *Joe Evers, P.E., City Engineer (847) 931-5955; evers_j@cityofelgin.org* • 2012 – Kimball Street – 3,060 LF • 2015 – Larkin Avenue – 4,300 LF **Village of Montgomery:** *Todd Hoppenstedt, DPW (331) 212-9041; thoppenstedt@ci.montgomery.il.us* • 2011 – Lakewood Creek Drive – 3,155 LF • 2013 – Douglas Avenue – 1,770 LF • 2016 – Briarcliff Road – 6,340 LF • 2018* - Aucutt Road – 7,900 LF **Village of Sugar Grove:** *Tony Speciale, DPW (630) 466-7508; aspeciale@sugar-grove.il.us* • 2011 – Granart Road – 4,980 LF • 2014 – Dugan Road – 8,450 LF • 2016 – Denny Road – 3,150 LF **Village of Campton Hills:** *Chris Ranieri, Zoning Officer (630) 584-5700; chris.ranieri@villageofcamptonhills.org* • 2013 – McDonald Road – 2,840 LF **United City of Yorkville:** *Eric Dhuse, DPW (630) 553-4370; edhuse@yorkville.il.us* • 2014 – Cannonball Trail – 3,940 LF • 2016 – Mill Street – 1,800 LF **Village of Burlington:** *Bob Walsh, V. President (847) 683-2237; bdt375@gmail.com* • 2015 – Main Street – 1,491 LF **Village of Elburn:** *John Nevenhoven, V. Admin. (630) 365-5064; jnevenhoven@elburn.il.us* • 2018* – Prairie Valley Street – 3,200 LF
Project Team	Tim Weidner, P.E. – Project Manager; Chris Ott, P.E. – Design Engineer / Resident Engineer; Michael Brouch, P.E., CPII – Design Engineer / Resident Engineer; Kyle Welte, P.E., CPII – Resident Engineer; Eric Meschewski, P.E., CPII – Resident Engineer
Construction Cost / Fee / Year	

Project / Client	**I/I Reduction Program Projects (Design Engineering / Wastewater Related Improvements)**
Scope of Work / (Contractor) / Client POC	Provided engineering services for collection system improvements to analyze existing infiltration and inflow (I/I) characteristics and develop short and long-term plans for I/I reduction. Experience includes preparation of CMOM Programs in accordance with NPDES Permit requirements, oversight of Sewer System Evaluation Surveys (SSES), and subsequent development of I/I Reduction Programs to determine community-specific programs. I/I studies included sanitary sewer flow and rainfall monitoring throughout the community's sanitary sewer network. Data analysis of the sanitary flows and precipitation data defined inflow and infiltration severity throughout the defined subbasins. Managed and interpreted SSES field work which included smoke testing, manhole inspections, sewer televising, dye water flooding and night-time flow isolations. Sanitary Sewer modeling with SewerCAD was utilized to confirm anticipated sewer hydraulics and determine cost-effective sewer modifications. Cost-effective analyses were completed to determine the optimal rehabilitation program. The projects also included final reports and public presentations to the policymakers and the tributary water reclamation district. The projects notated with an * are on-going. **City of St. Charles:** *Tim Wilson, Public Works Manager Env. Services (630) 377-4463;* twilson@stcharlesil.gov • 2015 – CMOM Plan • 2016 – Basin SC02 Flow Monitoring Study • 2016 – Basin WOR-West Flow Monitoring Study • 2017* - Basin SC02 SSES • 2017* - East Interceptor Conveyance Analysis **Village of Huntley:** *Tim Farrell, P.E., DPW and Village Engineer (847) 515-5222;* tfarrell@huntley.il.us • 2015 – CMOM Plan **Village of Libertyville:** *Marty Wittrock, Streets and Utilities Superintendent (847) 362-3434;* mwittrock@libertyville.com • 2017* - Basin 9 SSES • 2017* - Basin 11 Flow Monitoring Study **Village of Bartlett:** *Dan Dinges, DPW, (630) 837-0811;* ddinges@vbartlett.org • 2016* – Devon Excess Flow Facility Evaluation • 2017* - Basin M-5 SSES
Project Team	Jeff Freeman, P.E., CFM, LEED AP – Project Manager; Steve Dennison, P.E. – Project Manager / Design Engineer; Christa Van't Hul, E.I. – Design Engineer
Construction Cost / Fee / Year	



VI. Staff Qualifications

Organizational Chart

BENSENVILLE
GATEWAY TO OPPORTUNITY

PRINCIPAL-IN-CHARGE

Thomas W. Talsma

QC/QA

Bradley P. Sanderson, P.E.

DESIGN

Timothy V. Weidner, P.E.
Senior Project Manager

Julie A. Morrison, P.E.
Senior Project Manager

Colleen C. Jaltuch, P.E., LEED AP BD&C

Collette M. Frohlich, P.E.

Christopher J. Ott, P.E.

Michael R. Brouch, P.E., CPII

John D. Hoffmann, P.E., CPII

Timothy N. Paulson, P.E., CFM

Michele L. Piotrowski, P.E., LEED AP

Kyle D. Welte, P.E., CPII

RESIDENT ENGINEERING

Timothy V. Weidner, P.E.
Senior Project Manager

Julie A. Morrison, P.E.
Senior Project Manager

Todd A. Wells, P.E., CPII

Eric J. Meschewski, P.E., CPII

Christopher J. Ott, P.E.

Michael R. Brouch, P.E., CPII

Kyle D. Welte, P.E., CPII

WASTEWATER

Jeffrey W. Freeman, P.E., CFM, LEED AP
Vice President / Environmental

Stephen T. Dennison, P.E.
Senior Project Manager

Christa L. Van't Hul, E.I.

SURVEY

Mark G. Scheller, P.L.S.
Project Manager

CAD

Kristopher K. Pung
CAD Manager



Name / Registration / Title	Years of Exp. / @Firm	IDOT/Municipal Project Experience
Thomas W. Talsma / Vice President / Principal-In-Charge	43 /12	Village of Algonquin - Glenmoor Phase I Roadway Rehabilitation, Provided Principal-In-Charge level management and final QC/QA review for Phase I engineering for the design of a local roadway rehabilitation project in Algonquin, IL. Improvements include surface milling, base stabilization with cement, replacing the bituminous roadway surface, sidewalk removal and replacement, curb and gutter removal and replacement, driveway apron removal and replacement, structure repairs and adjustments, pavement markings, and landscaping. Village of Algonquin - Copper Oaks Phase I Roadway Rehabilitation, Provided Principal-In-Charge level management and final QC/QA review for Phase I engineering for the design and construction engineering services of a local roadway rehabilitation project in Algonquin, IL. Improvements include surface milling, base stabilization with cement, replacing the bituminous roadway surface, sidewalk removal and replacement, curb and gutter removal and replacement, driveway apron removal and replacement, structure repairs and adjustments, pavement markings, and landscaping.

		City of Elgin - 2013 Street Rehabilitation Program – Union/Sheridan, Provided Principal in Charge level management for the rehabilitation of over 11,270 linear feet of roadway in Elgin in a residential and commercial area. Included the complete removal and replacement of the existing sidewalk, curb and gutter and driveways, pavement patching, the installation of 1,140 linear feet of new water main, sanitary sewer lining, milling and resurfacing. The project also included sanitary sewer de-combining and the installation of 7,250 linear feet of storm sewer up to 42-inches. The project involved extensive coordination with private utility companies. Phase III engineering services were provided including construction staking, inspection and documentation, quality assurance, pay estimates and contract management. City of Geneva - Cross-Town Water Distribution System Improvements, provided overall direction and leadership for the planning, design, construction and financing of water distribution system improvements consisting of 21,000 linear feet of large diameter transmission water main following a route through urbanized areas of the City. This challenging improvement required detailed and extensive modeling to provide enhanced hydraulic connectivity of elevated water storage tanks, booster pumping stations and pressure reducing stations in a manner that converted a decentralized water supply system to one that involved a central treatment and pumping system located on the far west side of the community. City of Geneva - Water Distribution System Improvements, directed the planning, design, construction and financing of water distribution system improvements consisting of 21,000 linear feet of 12-inch and 16-inch ductile iron pipeline, valves, vaults, hydrants, air release valves and other appurtenances. The project followed a route from Randall Road to Kirk Road through urbanized areas of the City of Geneva including crossing the Fox River. This challenging improvement required detailed and extensive modeling to provide enhanced hydraulic connectivity of elevated water storage tanks, booster pumping stations and pressure reducing stations in a manner that converted a decentralized water supply system to one that involved a central treatment and pumping system located on the far west side of the community. City of Geneva - City-wide Wastewater Flow Monitoring and Sanitary Sewer Rehabilitation, served as general project manager for city-wide monitoring of wastewater flows to determine the extent and location of extraneous infiltration and inflow (I & I) entering the collection system. Follow-up effort was prioritized in context of a multi-year program involving television inspection, manhole inspection,

		smoke testing, dye water testing, rainfall simulation and door to door surveys that located and quantified a wide range of I & I sources. An extensive community outreach effort involving meetings with residents of affected neighborhoods was utilized to maintain effective communication and reporting of testing and rehabilitation efforts. Numerous sources of extraneous flows were subsequently reduced and eliminated through the implementation of rehabilitation during subsequent annual construction programs. Following rehabilitation and repair, leakage testing through the use of rainfall simulation techniques assured effective elimination of extraneous flows. The cumulative effort of this program was to reduce peak wet weather flows by 5 MGD, significantly reducing sanitary sewer back-up experience in various system locations and establish improved efficiency to the operation of the City's Wastewater Treatment Facility. City of Geneva - Central District Drainage Study and Storm Sewer Improvements served as principal project manager for the Geneva Central District Drainage Study and Improvement Project. The project involved the study of the existing storm drainage system within the 380-acre original town and the implementation of design and construction of approximately 20,800 linear feet of 18-inch to 48-inch storm sewer, 20-feet deep, throughout this highly urbanized area of the City. The project included a detailed hydraulic analysis of the existing storm drainage system, evaluation of system conditions and formulation of alternatives for improving the performance of the system. Tom led a team in working with City officials and various stakeholders located in the project area to enhance communications and minimize inconvenience to merchants, residents, utility companies, and the general public within the immediate area of construction. Storm sewer construction was integrated with street improvements, streetscape upgrades and other utility system upgrades.
Bradley P. Sanderson, P.E. / Vice President / QC/QA	24 / 22	Village of Bensenville – Wood Avenue CDBG Reconstruction and Water Main Replacement Project, provided oversight and management for Phase III engineering services for the reconstruction of Wood Avenue between Illinois Route 83 and Henderson Street within the Village of Bensenville. The reconstructed Wood Avenue was converted from a 16 foot wide roadway width with ditches to a 30 foot wide roadway width with curb and gutter and storm sewers. The approximate length of reconstruction was 1,500 linear feet of roadway. Approximately 2,515 linear feet of replacement water main was installed including crossing several high pressure petroleum mains along Illinois Route 83. 2,150 linear feet of storm sewer were installed ranging in size from 6-inch to 30-inch. In addition to the complete

		roadway removal and reconstruction, the profiles of the roadways were altered to improve drainage conditions and they were lowered in some locations over one foot. The project was bounded to the north by residential properties and to the south by the local park district which required extensive daily coordination. The project was partially CDBG funded which required additional documentation and coordination. Village of Bensenville – Volk Brothers CDBG Project, Phase II, provided oversight and management for Phase III engineering services for the reconstruction of three roadways within the Village of Bensenville. The three residential roadways reconstructed were converted from a 16 feet wide roadway width with ditches to a 30 feet wide roadway width with curb and gutter and storm sewers. 2,223 linear feet of storm sewer were installed ranging in size from 6-inch to 30-inch. The approximate length of reconstruction was 1,600 linear feet of roadways. In addition to the complete roadway removal and reconstruction, the profiles of the roadways were altered to improve drainage conditions and they were lowered in some locations over one foot. The project also included the installation of a stormwater runoff treatment unit for treatment of the current and future phases of Volk Brothers subdivision in addition to all tributary flows. The project was partially CDBG funded which required additional documentation and coordination. City of Elgin - 2013 Street Rehabilitation Program – Union/Sheridan, Provided oversight and management for the rehabilitation of over 11,270 linear feet of roadway in Elgin in a residential and commercial area. Included the complete removal and replacement of the existing sidewalk, curb and gutter and driveways, pavement patching, the installation of 1,140 linear feet of new water main, sanitary sewer lining, milling and resurfacing. The project also included sanitary sewer de-combining and the installation of 7,250 linear feet of storm sewer up to 42-inches. The project involved extensive coordination with private utility companies. Phase III engineering services were provided including construction staking, inspection and documentation, quality assurance, pay estimates and contract management. United City of Yorkville - Countryside Street and Water Main Improvements, Provided oversight and management for the replacement of 16,000 linear feet of water main within a residential and commercial area. The project also includes the

complete removal and replacement of the existing bituminous pavement along with curb and sidewalk repairs. Phase III engineering services include construction staking, inspection and documentation, quality assurance, pay estimates and contract management. The approximate cost of this project is $4,500,000.

City of Elgin - South Street Roadway Extension, Provided oversight and management for the construction of 1.1 miles of a new urban roadway in Elgin connecting Randall Road and Longcommon Parkway. The project included 4,700 linear feet of 8-inch and 12-inch water main, 5,400 linear feet of storm sewer ranging in size from 9-inch to 30-inch, 1,700 linear feet of 8-inch and 24-inch sanitary sewer, street lights, sidewalk bike path, and an irrigation system. The project also included removal and replacement of an 8'x4' box culvert and construction of a detention basin with a gabion wall. The project required extensive coordination with ACOE and Nicor (30-inch transmission main crossing). Phase III engineering services included inspection and documentation, quality assurance, pay estimates and contract management.

United City of Yorkville – Kennedy Road Bike Path from Illinois Route 47 to Mill Road, provided oversight and management for Phase I, II and III engineering for the construction of a 10 foot wide hot-mix asphalt bike path from Illinois Route 47 to Mill Road, a distance of approximately 3.1 miles through residential and rural areas. The Phase I work consists of a topographic survey, drainage technical memorandum, preliminary plan, profile and typical sections, environmental studies including a PESA, wetlands analysis and tree survey, identification of land acquisition requirements and estimate of cost all of which will be included in a Project Development Report to be approved by IDOT. Phase II work included preparation of improvement plans and contract documents as well as coordination of land acquisition for two parcels. Phase II plans, specifications and estimates were prepared for an IDOT letting. Phase III services are currently being provided and include construction staking, inspection, ICORS documentation, quality assurance, pay estimates and contract management.

United City of Yorkville – Mill Street and Van Emmon Street Water Main Improvements, provided oversight and management for approximately 4,700 linear feet of 12 and 16-inch diameter water main in an existing residential neighborhood and business district in the United City of Yorkville. The project included securing permits from IDOT and the Illinois Railnet Railroad for boring and jacking steel casing pipes beneath their facilities. Rock excavation was also necessary for the water main installation near the Fox River. The project was completed within the designated schedule and budget.

		Village of Hampshire – Widmayer Road Interceptor Sewer Improvements, provided oversight and management for approximately 12,000 linear feet of 18-inch sanitary sewer in the Village of Hampshire totaling $1.2 million. Responsibilities included the planning, design and preparation of construction contracts and specifications. Project responsibilities also involved obtaining permits from the IEPA and US Army Corps of Engineers and administering the construction contract. Village of Hampshire – Hampshire Creek Interceptor, Provided oversight and management for the installation of 10,400 linear feet of 15 to 24-inch diameter interceptor sewer in the Village of Hampshire totaling $2.1 million. Responsibilities included plan set design, contract and specification preparation, permitting, and construction administration. Permits were obtained from the IEPA, IC&E Railroad, and US Army Corps of Engineers.
Timothy V. Weidner, P.E. / Senior Project Manager	15 / 15	Village of Glen Ellyn - Park Boulevard from Illinois Route 38 to Crescent Boulevard and Main Street from Illinois Route 38 to Fairview Avenue, Project manager for Phase I and Phase II engineering services for the federally funded 3R reconstruction of Park Boulevard from Illinois Route 38 to Fairview Avenue, a distance of approximately 1,800 linear feet and pavement milling, patching and resurfacing from Fairview Avenue to the Union Pacific Railroad tracks just south of Crescent Boulevard, a distance of approximately 4,600 linear feet. Additionally, provided Phase I and Phase II engineering services for the federally funded LAFO resurfacing of Main Street from Illinois Route 38 to Fairview Avenue, a distance of approximately 1,800 linear feet. City of Elgin - Chicago Street from Center Street to Liberty Street, Project manager for Phase I and II engineering services for the reconstruction of Chicago Street from Center Street to Liberty Street, a total distance of approximately 3,500 linear feet. The existing two-lane road with parking on both sides will be reconstructed to provide for two lanes of vehicular traffic, a bike-lane in each direction and parking on one side. The improvement will consist of PCC pavement, concrete curb and gutter, PCC sidewalk, storm sewer, water main, sanitary sewer lining, ornamental roadway lighting and traffic signal modifications. Village of Lisle – 2005-2008, 2011-2018 Street Rehabilitation Program, Project manager for design and construction layout services for 41 miles of roadway improvements at various locations in the Village. The scope of work included the complete removal of existing hot-mix asphalt surface and binder courses, repairing

		and reshaping the existing base course, storm sewer improvements, curb and gutter removal and replacement, sidewalk repair, restoration and pavement striping. Various years also included sections of pulverization and recycling of the existing pavement, large storm sewer improvement projects including storm sewers up to 54 inches in diameter, and over 3,600 linear feet of water main replacement ranging in size from six to twelve inches in diameter. Also provided design and staging plans for the resurfacing of various commuter parking lots adjacent to the Metra Station and City Hall in downtown Lisle as well as the Village Police Station. The 2018 program design is currently in progress. United City of Yorkville – Kennedy Road Bike Path from Illinois Route 47 to Mill Road, project manager for Phase I, II and III engineering for the construction of a 10 foot wide hot-mix asphalt bike path from Illinois Route 47 to Mill Road, a distance of approximately 3.1 miles through residential and rural areas. The Phase I work consists of a topographic survey, drainage technical memorandum, preliminary plan, profile and typical sections, environmental studies including a PESA, wetlands analysis and tree survey, identification of land acquisition requirements and estimate of cost all of which will be included in a Project Development Report to be approved by IDOT. Phase II work included preparation of improvement plans and contract documents as well as coordination of land acquisition for two parcels. Phase II plans, specifications and estimates were prepared for an IDOT letting. Phase III services are currently being provided and include construction staking, inspection, ICORS documentation, quality assurance, pay estimates and contract management. City of Warrenville – Continental Drive Shared-Use Path, Project manager for Phase I, II and III engineer services for the construction of an eight-foot wide shared-use path along Continental Drive from the Johnson Elementary School to Kiwanis Park a total distance of approximately 3,200 linear feet through an urban residential area. The project included installation of pedestrian signal heads with countdown timers at the Illinois Route 59 intersection. The Phase I work included a topographic survey, intersection study and traffic signal modification plan, drainage technical memorandum, crash analysis, environmental studies including a PESA and wetland investigation, preliminary plan, profile and typical sections, and estimate of cost all of which were included in the Project Development Report approved by IDOT. Phase II contract plans, specifications and estimates were prepared for an IDOT letting. Phase III engineering services including construction staking, inspection, ICORS documentation, quality assurance, pay estimates and contract management.

		City of Wood Dale – Deerpath Road Reconstruction, provided the design and preparation of construction plans, specifications and estimates for the improvement of 2,500 linear feet of Deerpath Road. The project consisted of the reconstruction of Deerpath Road from South Central Avenue to approximately 800 linear feet east of South Edgewood Avenue, and the resurfacing of Deerpath Road from approximately 800 linear feet east of South Edgewood Avenue to Illinois Route 83. The scope of work for reconstruction consists of removal of the existing rural roadway, the construction of new hot-mix asphalt pavement, curb and gutter, storm sewer, and water main removal and replacement. City of Elgin, City of Geneva, City of Warrenville, Village of Campton Hills, Village of Montgomery, United City of Yorkville - Local Agency Pavement Functional Overlay (LAFO), phase II engineer, developed plans and specifications for resurfacing project utilizing federal Local Agency Functional Overlay funds, requiring coordination with IDOT District 1 for 15 LAPP Projects with IDOT District 1.
Julie A. Morrison, P.E. / Senior Project Manager	17 / 17	City of Elgin - 2013 Street Rehabilitation Program – Union/Sheridan, Project Manager for the rehabilitation of over 11,270 linear feet of roadway in Elgin in a residential and commercial area. Included the complete removal and replacement of the existing sidewalk, curb and gutter and driveways, pavement patching, the installation of 1,140 linear feet of new water main, sanitary sewer lining, milling and resurfacing. The project also included sanitary sewer de-combining and the installation of 7,250 linear feet of storm sewer up to 42-inches. The project involved extensive coordination with private utility companies. Phase III engineering services were provided including construction staking, inspection and documentation, quality assurance, pay estimates and contract management. Village of Montgomery - Boulder Hill Water Main Replacement Program, Project manager responsible for preliminary, final, and construction engineering services for the installation of approximately 23,000 linear feet of 6-inch and 8-inch water main and related appurtenances within a residential subdivision currently experiencing water quality issues. Engineering services included determining the feasibility and cost benefit of horizontal directional drilling HDPE pipe in various locations, geotechnical services coordination, surveying and topographic mapping, cost

estimates, preparation of exhibits, preliminary and final design, permitting, easement acquisition, construction staking and observation. Residential coordination included pre-construction informational meetings, project website with weekly updates, and construction notices regarding tree removal and replacement, restoration, water loss, and driveway removal and replacement. Due to the unincorporated status of the Boulder Hill subdivision, weekly coordination with the local governing agencies (i.e. township, county sheriff, fire protection district, sanitary sewer district, school district, etc.) was provided in addition to our daily construction reports to the Village.

United City Yorkville - Countryside Street and Water Main Improvements,
Project manager for the replacement of 16,000 linear feet of water main within a residential and commercial area. The project also includes the complete removal and replacement of the existing bituminous pavement along with curb and sidewalk repairs. Phase III engineering services include construction staking, inspection and documentation, quality assurance, pay estimates and contract management. The approximate cost of this project is $4,500,000.

United City of Yorkville – Game Farm Road and Somonauk Street Improvements, project manager for the complete reconstruction of existing streets within a residential area utilizing STP funds. In addition to serving residents, the streets served City Hall, Yorkville Public Library, Yorkville High School, Yorkville Freshman Academy and the Yorkville Grade School.

The project consisted of 4,720 linear feet of roadway, 4,650 linear feet of storm sewer, 800 linear feet of water main replacement, sanitary sewer repairs and installation of a retaining wall and shared use path.

The project involved extensive coordination with the school district, City Hall, and local residents. Part of the coordination involved a public open house, weekly summaries to the City and School District, weekly progress meetings with contractor and the distribution of project fliers. The City's website was also updated routinely to provide current information.

City of Elgin - South Street Roadway Extension, Project manager for the construction of 1.1 miles of a new urban roadway in Elgin connecting Randall Road and Longcommon Parkway. The project included 4,700 linear feet of 8-inch and 12-inch water main, 5,400 linear feet of storm sewer ranging in size from 9-inch to 30-inch, 1,700 linear feet of 8-inch and 24-inch sanitary sewer, street lights, sidewalk, bike path, and an irrigation system. The project also included removal and replacement of an 8'x4' box culvert and construction of a detention basin with a gabion wall. The project required extensive coordination with ACOE and Nicor (30-inch transmission main crossing). Phase III engineering services included inspection and documentation, quality assurance, pay estimates and contract management.

Village of Algonquin – Downtown Streetscape, Phase I and II Utility Design, Stage I, Project manager for the final design of new water main and sanitary sewer main in advance of the Village's proposed downtown streetscape improvements. The Stage 1 project corridor includes Main Street (formerly Illinois Route 31) to and from the recently completed Illinois Route 31 Western Bypass (north and south termini; approximately 4900 linear feet) and Illinois Route 62/Algonquin Road (Main Street to Harrison Street; approximately 350 linear feet). The project included the design of 12-inch and 16-inch water main and 8-inch and 10-inch sanitary sewer within an active commercial and residential corridor. Extensive permitting included IEPA, IHPA, IDNR, IDOT and McHenry County.

Village of Hampshire – Keyes Avenue, Industrial Drive, and Mill Street Improvements (HPP), project manager for Phase I, Phase II and Phase III reconstruction of 6,500 linear feet of roadway. Project included right-of-way acquisition, new pavement on a new alignment, and reconstruction of existing pavements, water main and sanitary sewer replacement, construction of large diameter storm sewer, storm water management, street lighting and traffic management. Federal funding was utilized on this project.

Village of Hampshire - 2011 Sanitary Sewer Rehabilitation and Storm Sewer Improvements, project manager for the rehabilitation of 2,185 linear feet of utilities within an area with both residential and industrial uses. The scope of work included the installation of 848 linear feet of sanitary sewer ranging in size from 12-inch to 18-inch and 1,337 linear feet of storm sewer ranging in size from 6-inch to 12-inch. The project included removal and replacement of signage, sidewalk, curb and gutter, and driveway aprons, as well as pavement patching, milling and resurfacing, and installation of aggregate shoulders. Extensive sanitary sewer by-pass pumping, power pole bracing, and deliveries to local businesses had to be coordinated.

		Provided Phase II and III engineering services for the project. Services included, but were not limited to: surveying and topographic mapping, pipe and structure sizing, cost estimates, preparation of construction plans, specifications, bidding, administration, construction staking and observation.
Colleen C. Jaltuch, P.E., LEED AP BD&C / Senior Project Engineer II	23 / 2	City of Elgin - Chicago Street from Center Street to Liberty Street, Provided Phase I and Phase II design engineering services for the reconstruction of Chicago Street from Center Street to Liberty Street, a total distance of approximately 3,500 linear feet. The existing two-lane road with parking on both sides will be reconstructed to provide for two shared lanes for vehicular/cyclist traffic in each direction and parking on both sides. The improvement will consist of PCC pavement, concrete curb and gutter, PCC sidewalk, storm sewer, water main, sanitary sewer lining, ornamental roadway lighting and traffic signal modifications. The Phase I work includes a topographic survey, pavement analysis, location drainage study, traffic signal warrant analyses, crash analyses, capacity analyses, traffic management study, environmental studies including historic district documentation, preliminary plan, profile and typical sections, identification of land acquisition requirements and estimate of cost all of which will be included in a Project Development Report to be approved by IDOT. An open house public hearing was conducted in accordance with IDOT and FHWA policies. Village of Glen Ellyn - Park Boulevard from Illinois Route 38 to Crescent Boulevard and Main Street from Illinois Route 38 to Fairview Avenue, Provided Phase I and Phase II engineering services for the federally funded 3R reconstruction of Park Boulevard from Illinois Route 38 to Fairview Avenue, a distance of approximately 1,800 linear feet and pavement milling, patching and resurfacing from Fairview Avenue to the Union Pacific Railroad tracks just south of Crescent Boulevard, a distance of approximately 4,600 linear feet. Additionally, provided Phase I and Phase II engineering services for the federally funded LAFO resurfacing of Main Street from Illinois Route 38 to Fairview Avenue, a distance of approximately 1,800 linear feet. In the reconstructed section, Park Boulevard will be widened to provide bicycle accommodation via shared motorist/cyclist lanes and the Type B-6.18 concrete curb and gutter will be constructed to replace the existing Type B-6.12 curb and gutter. Storm sewer will be upgraded accordingly and the water main will be replaced. Sidewalk will be upgraded as necessary to be ADA compliant.

Collette M. Frohlich, P.E. / Senior Project Engineer I	9 / 4	City of Elgin - Chicago Street Reconstruction, Project engineer for Phase II engineering services for the design and bidding of roadway improvements for Chicago Street from Center Street to Liberty Street. Improvements include roadway reconstruction with shared motorist/cyclist lane installation, traffic signal modifications, combined sewer separation and other utility improvements, grading, and landscaping. Assisted in preparing Phase II plans and specifications to date. Village of Montgomery - Boulder Hill Water Main Replacement Program, Participated on the project team that was responsible for Phase III engineering services for the installation of approximately 20,000 linear feet of 6-inch and 8-inch water main and related appurtenances within a residential subdivision currently experiencing water quality issues. Responsibilities included the oversight of water main installation, both open cut and HDD, pavement restoration, landscaping and extensive coordination with the residents. Village of Glen Ellyn - Park Boulevard from Illinois Route 38 to Crescent Boulevard and Main Street from Illinois Route 38 to Fairview Avenue, Provided Phase I and Phase II engineering services for the federally funded 3R reconstruction of Park Boulevard from Illinois Route 38 to Fairview Avenue, a distance of approximately 1,800 linear feet and pavement milling, patching and resurfacing from Fairview Avenue to the Union Pacific Railroad tracks just south of Crescent Boulevard, a distance of approximately 4,600 linear feet. Additionally, provided Phase I and Phase II engineering services for the federally funded LAFO resurfacing of Main Street from Illinois Route 38 to Fairview Avenue, a distance of approximately 1,800 linear feet. In the reconstructed section, Park Boulevard will be widened to provide bicycle accommodation via shared motorist/cyclist lanes and the Type B-6.18 concrete curb and gutter will be constructed to replace the existing Type B-6.12 curb and gutter. Storm sewer will be upgraded accordingly and the water main will be replaced. Sidewalk will be upgraded as necessary to be ADA compliant. Various Local Agencies - Annual Motor Fuel Tax (MFT) Street Rehabilitation Programs, Provided design services for the utilization of Motor Fuel Tax funds for the rehabilitation of various municipal roadways throughout Kane County. Design engineering services consisted of field investigations and the preparation of plans and specifications required for bidding and IDOT approval. Projects typically consisted of pavement removal via cold milling, pavement patching, new hot-mix asphalt binder and surface courses, replacement of deteriorated curb and gutter and sidewalk,

		and drainage improvements as necessary. The projects also consisted of providing the necessary upfront IDOT paperwork and closeout forms to properly process the project with IDOT. The local agencies and years are as follows: Village of Sugar Grove: 2015-2016 Village of Elburn: 2015-2016 Village of Lily Lake: 2015-2016 United City of Yorkville - Illinois Cannonball Trail Local Agency Functional Overlay (LAFO), Assisted with the preparation of plans, details, specifications, contract documents, and the engineer's estimate of probable cost. The project included milling, resurfacing, pavement patching, pavement markings, pavement markers, aggregate shoulder, and landscaping for 3,890 linear feet of roadway. Village of Burlington - Main Street Local Agency Functional Overlay (LAFO), Assisted with the preparation of plans, details, specifications, contract documents, and the engineer's estimate of probable cost. The project included milling, resurfacing, pavement patching, pavement markings, pavement markers, aggregate shoulder, and landscaping for 1,451 linear feet of roadway.
Christopher J. Ott, P.E. / Senior Project Engineer I	4 / 4	City of Elgin - Union-Sheridan Improvements, As project engineer for the $5.2 million project, provided construction inspection for the City of Elgin, Illinois. The rehabilitation project included complete removal and replacement of all curb and gutter, driveway aprons, sidewalk, and existing asphalt pavement within a residential and commercial area in the City of Elgin, Illinois. Other streets within the project limits were patched, milled and overlaid per requirements dictated by existing conditions. The project also included over 7,000 feet of deep storm sewer construction, sanitary sewer lining, and water main as part of the City's ongoing sewer de-combining project. Responsibilities included management and coordination of field inspection personnel, daily coordination and communication with the City, direct response and interaction with residents, oversight of construction finances and construction inspection. Challenges included continuous monitoring of construction budget for mid-project determination of final project extent. Village of Lisle - 2013-2015 Annual Street Rehabilitation Programs, Provided design for the rehabilitation of approximately 21 miles of roadway within the Village of Lisle and various commuter lots at the BNSF train station. Projects consisted of either complete reconstruction, pulverization, in place recycling or standard milling and resurfacing. Various projects also included storm sewer rehabilitation including box culvert extensions, underdrains and new storm sewer installations up to 54 inches

in diameter. Extensive coordination and permitting with IDOT and the DuPage Division of Transportation was required for completion of the projects due to frequent use of Motor Fuel Tax Funds and work within State and County rights-of-way. All necessary permitting with the Illinois Environmental Protection Agency was also provided for programs including water main replacement.

City of Elgin – Chicago Street from Center Street to Liberty Street Phase I engineer, developed plans and specifications for the reconstruction of Chicago Street from Center Street to Liberty Street, a total distance of approximately 3,500 linear feet. The existing two-lane road with parking on both sides will be reconstructed to provide for two lanes of vehicular traffic, a bike-lane in each direction and parking on one side. The improvement will consist of PCC pavement, concrete curb and gutter, PCC sidewalk, storm sewer, water main, sanitary sewer lining, ornamental roadway lighting and traffic signal modifications. The Phase I work includes a topographic survey, pavement analysis, drainage technical memorandum, traffic signal warrant analyses, crash analyses, capacity analyses, traffic management study, environmental studies including historic district documentation, preliminary plan, profile and typical sections, identification of land acquisition requirements and estimate of cost all of which will be included in a Project Development Report to be approved by IDOT.

Village of Glen Ellyn – Park Boulevard from Illinois Route 38 to Crescent Boulevard Phase I engineer, developed plans and specifications for the reconstruction of Park Boulevard from Illinois Route 38 to Fairview Avenue, a distance of approximately 1,800 linear feet and pavement milling, patching and resurfacing from Fairview Avenue to the Union Pacific Railroad tracks just south of Crescent Boulevard, a distance of approximately 4,600 linear feet. In the reconstructed section, Park Boulevard will remain the same width and Type B-6.18 concrete curb and gutter will be constructed to replace the existing Type B-6.12 curb and gutter. Storm sewer will be upgraded accordingly. Sidewalk will be upgraded as necessary to be ADA compliant. The Phase I work includes a topographic survey, pavement analysis, drainage technical memorandum, crash analyses, capacity analysis, traffic management study, environmental studies, preliminary plan, profile and typical sections, and estimate of cost all of which will be included in a Project Development Report to be approved by IDOT.

Village of Sugar Grove – Bliss Road and Illinois Route 47 Intersection Improvements, provided design Phase I and II engineering services for the federally funded intersection improvements including construction of dual left turn lanes on the east leg of the intersection, a left turn lane on the west leg of the intersection, and a

		right turn lane on the north leg of the intersection. The project also includes traffic signal and interconnect modifications, resurfacing, utility adjustments, sidewalk, shared-use path and storm sewer. The improvements will alleviate congestion at the intersection, specifically at Bliss Road which experiences major delay and serves as the major connector between Sugar Grove and the Tri-Cities area in Kane County. The Phase I work included a topographic survey, Location Drainage Study, and Geometric Study which included a crash analysis, capacity analyses, and an IDS. Village of Algonquin – Copper Oaks Section One Phase I and II engineer for the rehabilitation of approximately two miles of roadway in the Copper Oaks Subdivision in the Village of Algonquin. The project commenced in 2012 with a preliminary engineering study, including preparation of exhibits, pavement cores, pavement analysis, pavement design and recommendations. The final product was a report summarizing the findings and estimates for various rehabilitation options. Village of Sugar Grove – Illinois Route 47 and Cross Street Intersection Improvements (STP), Assistant resident engineer for the federally funded intersection improvements including construction of right turn lanes on the north, south and east legs of the intersection, traffic signal and interconnect modifications, sidewalk and storm sewer. The improvements alleviate congestion at the intersection which is the main gateway to downtown Sugar Grove and provides access to key commercial and residential areas. Phase III engineering services included construction staking, inspection, ICORS documentation, quality assurance, pay estimates and contract management. Various Communities - Local Agency Functional Overlay (LAFO), Provided Phase II and III engineering services for various projects within various local agencies. Preparation of the existing pavement prior to the HMA overlay utilized various options and combinations of pavement patching, milling, hot in-place recycling, and strip or area reflective crack control treatments. Other aspects of the projects included the removal and replacement of deteriorated curb and gutter, driveways and sidewalk; sidewalk ramps were replaced to comply with ADA standards, grading and shaping ditches, traffic signal detector loop replacement, aggregate shoulders, pavement marking, and restoration. Phase III engineering services included construction management and administration, inspection of all construction activities including traffic control, documentation and utilization of ICORS, preparing pay estimates and change orders, and ensuring proper material inspections and testing. The various projects are as follows with their respective construction costs: City of Elgin - 2015 Larkin Avenue - $655,000

		Village of Campton Hills- 2013 McDonald Road - $166,000 Village of Sugar Grove- 2014 Dugan Road - $490,000 United City of Yorkville – 2014 Cannonball Trail - $290,000 Village of Burlington – 2015 Main Street - $200,000 Village of Sugar Grove – 2016 Denny Road - $326,000 Village of Montgomery – 2016 Briarcliff Road - $484,000
Michael R. Brouch, P.E., CPII / Senior Project Engineer I	9 / 2	Village of Glen Ellyn - Reconstruction and Resurfacing, Park Boulevard, provided Phase I engineering services to the Village of Glen Ellyn. The project consists of complete reconstruction and widening of the southern portion of the project and resurfacing of the northern portion. Phase I engineering surfaces included coordination with utilities within the project limits, local schools, emergency responders, PACE bus and IDOT due to the use of federal funding and detour using a state route. Village of Lisle - 2017 Street Rehabilitation Program, provided Phase II engineering services to the Village of Lisle. The project consists of pavement removal, subbase repairs, Hot-Mix Asphalt paving, curb and gutter removal and replacement, sidewalk removal and replacement; sidewalk ramps were replaced to comply with ADA standards, structure adjustments, pavement markings, and traffic control. Phase II engineering services included field evaluation of pavement condition and sidewalk ADA compliance, development of construction plans and coordination and permitting with DuPage County on intersection improvements within County right-of-way. Village of Lisle - 2016 MFT Street Rehabilitation, provided Phase II engineering services to the Village of Lisle. The project consists of pavement removal, subbase repairs, Hot-Mix Asphalt paving, curb and gutter removal and replacement, sidewalk removal and replacement; sidewalk ramps were replaced to comply with ADA standards, structure adjustments, pavement markings, and traffic control. Phase II engineering services included field evaluation of pavement condition and sidewalk ADA compliance, development of construction plans, coordination and permitting with DuPage County on intersection improvements within County right-of-way, coordination with IDOT due to the use of Motor Fuel Tax Funds. Village of Montgomery - Local Agency Functional Overlay, Briarcliff Road, , provided Phase III engineering services for the Village of Montgomery. The project consisted of pavement removal, patching, and Hot-Mix Asphalt resurfacing. Other aspects of the project included the removal and replacement of deteriorated curb and gutter, driveway aprons and sidewalk; sidewalk ramps were replaced to comply with

		ADA standards, pavement markings, and sod restoration. Phase III engineering services included construction management and administration, inspection of all construction activities including traffic control, documentation and utilization of ICORS, preparing pay estimates and change orders and ensuring proper material inspection and testing. Geneva Township - 2015 and 2016 Resurfacing Program, Resident engineer that was responsible for the construction inspection and documentation of the Geneva Township Highway Commission's 2015 and 2016 Resurfacing program. Project consists of milling the existing HMA pavement, pavement patching, HMA resurfacing, of both urban and rural roadways. Village of Montgomery - Roadway General Maintenance – 2015 MFT, Resident engineer that was responsible for the construction inspection and documentation of the Village of Montgomery's 2015 MFT program. Project consists of pavement removal, HMA resurfacing, village wide pavement patching, curb and gutter replacement, and sidewalk repairs including ADA compliant ramps and crosswalks. Village of Elburn - Roadway General Maintenance – 2015 and 2016 MFT, Resident engineer that was responsible for the construction inspection and documentation of the Village of Elburn's 2015 and 2016 MFT program. Project consists of pavement removal, HMA resurfacing, curb and gutter replacement, and sidewalk repairs including ADA compliant ramps and crosswalks.
John D. Hoffmann, P.E., CPII / Senior Project Engineer II	10 /10	United City of Yorkville - Countryside Street and Water Main Improvements, Lead design engineer for the replacement of 16,000 linear feet of water main within a residential and commercial area. Includes the complete removal and replacement of the existing bituminous pavement. Design responsibilities included determining the feasibility and cost benefit of horizontal directional drilling water services in various locations, resident and local government coordination, geotechnical services coordination, cost estimates, preparation of exhibits, and permitting. Village of Montgomery - Boulder Hill Water Main Replacement Program, Project engineer responsible for Phase II and III engineering services for the installation of approximately 23,000 linear feet of 6-inch and 8-inch water main and related appurtenances within a residential subdivision currently experiencing water quality issues. Design responsibilities included determining the feasibility and cost benefit of horizontal directional drilling HDPE pipe in various locations, resident and local government coordination, geotechnical services coordination, cost estimates,

		preparation of exhibits, preliminary and final design, permitting, and easement acquisition. Provided lead resident engineering services and was responsible for daily inspections, direct communication with contractor, residents and public works staff. Responsible for providing daily client updates and overall project documentation. Conducted on-site wage rate interviews with contractor workers. Village of Algonquin – Downtown Streetscape, Phase I and II Utility Design, Stage I, Lead design engineer for new water main and sanitary sewer main in advance of the Village's proposed downtown streetscape improvements. The Stage 1 project corridor includes Main Street (formerly Illinois Route 31) to and from the recently completed Illinois Route 31 Western Bypass (north and south termini; approximately 4900 linear feet) and Illinois Route 62/Algonquin Road (Main Street to Harrison Street; approximately 350 linear feet). The project included the design of 12-inch and 16-inch water main and 8-inch and 10-inch sanitary sewer within an active commercial and residential corridor. Extensive permitting included IEPA, IHPA, IDNR, IDOT and McHenry County. Village of Sugar Grove – Settlers Ridge to Prestbury Water Main Improvements, Provided design and construction engineering services for the construction of 7,200 linear feet of open cut 16-inch ductile iron water main and 1,120 linear feet of horizontal directional drilled 20-inch HDPE water main. This project was designed in an expedited process to provide a second feed for the north side of the Village's system needed in advance of a water main relocation project. The project included the trenchless installation across a golf course, wetlands, floodplain and creek requiring coordination with the USACOE, IDNR, IHPA, IEPA and Kane County to acquire the necessary permitting and clearances including the preparation of a Stormwater Management Report Permit Application, Notice of Intent and SWPPP. The remaining open cut portion included a residential neighborhood, farm field installation and bore and jacking under two state right of ways. The state right of ways crossings and access points required coordination with IDOT to secure a highway permit. Village of Sugar Grove – Dugan Woods to Prairie Glen Water Main Improvements, design and resident engineer for the installation of over 2,600 linear feet of 12-inch diameter water main to provide service to future development, provide redundancy in the system, and ensure required fire flows for the Village. Prepared the detailed plans and specifications, engineer's estimate of probable construction costs, contract documents, applied for IEPA permits, and railroad permitting during the design phase. As resident engineer for the project, provided construction management,

construction inspection, documentation, shop drawing review, pay estimates, punch lists and coordination for installation under the BNSF railroad.

Village of Sugar Grove – Illinois Route 47 and Wheeler Road Water Main Improvements, resident engineer for the $889,000 project, provided construction management, construction inspection, documentation, shop drawing review, pay estimates and punch lists. The improvements consisted of the installation of over 10,000 feet of 16-inch diameter water main to provide service to future development, provide redundancy in the system, and ensure required fire flows for the Village.

City of Elgin – 2010 Neighborhood Street Resurfacing Program, design and assistant resident engineer for the resurfacing of 17 miles of streets located throughout the City of Elgin. Prior to the selection of the final 17 miles of roadway to be rehabilitated as a part of this project, approximately 29 miles of roadway were evaluated via onsite inspections and cost estimates were developed to determine the final program. The scope of work consisted of the removal and replacement of deteriorated sidewalk and curb and gutter, pavement patching, milling and resurfacing. Due to the magnitude of the project, significant communication was required with the contractor, City, residents and businesses to ensure successful and timely completion of the project.

City of Aurora – 2012 Storm Sewer Extension, resident engineer for storm sewer decombining from the sanitary sewer system in the City of Aurora. The project consisted of installing 2,700 linear feet of RCP storm sewer to eliminate the existing combined storm sewer system on five residential roadways in advance of the City's yearly resurfacing program. Coordination was required with the City of Aurora to ensure continuity between the storm sewer project and the City's independent resurfacing project. The City's separate resurfacing contract consisted of new concrete curb and gutter, driveways, sidewalk and hot-mix asphalt surface paving. Unique coordination challenges included coordinating storm structure elevations and hot-mix asphalt patching to coincide with the proposed resurfacing project's elevations. The storm sewer project also consisted of avoidance or adjustment for conflicts with gas mains, abandoned gas mains, gas services, water main, water services and sanitary services. Coordination was required between the City of Aurora and residents for water service and sanitary service repairs and relocations. Daily project status and quantity emails were provided to the City along with as-built information on sewer and service conflicts.

		Village of Sugar Grove – Municipal Drive and Galena Boulevard Extensions (HPP), assistant resident engineer for over 11,500 linear feet of 12-inch water main and appurtenances. The project consisted of new full-depth asphalt pavement for Municipal Drive and Galena Boulevard, widening and resurfacing Illinois Route 47, US Route 30, and east Galena Boulevard with new signalized intersections. Other features of the project consisted of drainage, aggregate subgrade, and curb and gutter.
Timothy N. Paulson, P.E., CFM / Project Manager	25 / 18	City of Elgin - Chicago Street from Center Street to Liberty Street, Provided drainage analysis for the reconstruction of Chicago Street from Center Street to Liberty Street, a total distance of approximately 3,500 linear feet. The existing two-lane road with parking on both sides will be reconstructed to provide for two lanes of vehicular traffic, a bike-lane in each direction and parking on one side. The improvement will consist of PCC pavement, concrete curb and gutter, PCC sidewalk, storm sewer, water main, sanitary sewer lining, ornamental roadway lighting and traffic signal modifications. Phase II work included preparation of improvement plans and contract documents as well as coordination of land acquisition for 29 parcels. The final design also included the de-combining of sanitary sewer and the design of storm sewer up to 54-inches. Phase II plans, specifications and estimates were prepared for an IDOT letting. The project is currently targeted for the January 2018 letting. City of Elgin - 2013 Street Rehabilitation Program – Union-Sheridan Street Rehabilitation, Provided drainage analysis for the design and preparation of construction plans, specifications and estimates for the rehabilitation of over 2.13 miles of roadway in Elgin within a residential and commercial area including the construction of 7,250 of new storm sewer up to 42-inches. Drainage design included hydrologic modeling of the storm sewer system for entire watershed including future phases using EPASWMM and the design of storm sewer and preparation of engineering plans and specifications. Phase III drainage services included addressing field utility conflicts and resident and city concerns. Village of Schaumburg – 2016 Utility Improvements, Provided project management and preliminary and final engineering design for water main and storm sewer improvements in the Village of Schaumburg. Water Main design was for 400 linear feet of 16-inch water main and included a major culvert crossing and assessment of insulation options. Storm Sewer design was for 800 linear feet of 24-inch of bypass storm sewer and included reconfiguration of a bypass manhole structure and connections between existing storm sewers to address downstream limitations. The

		projects included preliminary and final engineering plans, complete construction specifications and provisions, and quantities and estimates. Village of Montgomery - Ogden Hill Water Main, project manager and design engineer for the preparation of plans and specifications for the installation of 12,500 linear feet of 12- to 16-inch diameter water main which included approximately 300 linear feet of 24 and 30-inch diameter steel casing pipe that was directionally bored under Waubonsie Creek in two locations. Village of Montgomery - Route 30 and Briarcliff Water Main, project manager and design engineer for the preparation of plans and specifications for the installation of approximately 150 linear feet of 12-inch water main within a 24-inch casing pipe bored and jacked under Route 30 at Briarcliff Road. City of Warrenville - Williams Road Bridge Reconstruction, Phase II engineer prepared Phase I and II engineering prepared hydraulic analysis, floodplain compensatory storage, wetland mitigation, environmental studies and Project Development Report. Sugar Grove Township Road District - Prairie Street Bridge Replacement, Phase II engineer prepared hydraulic analysis, wetland mitigation, environmental studies and Project Development Report. Village of Sugar Grove - Illinois Route 47 and Cross Street, Phase II engineer prepared drainage analysis and reports for the intersection improvements and traffic signal modifications. City of Lockport - Illinois Route 171 and 13th Street, Phase II engineer prepared drainage analysis and reports for the intersection improvements.
Michele L. Piotrowski, P.E., LEED AP / Senior Project Manager	19 / 15	Village of Sugar Grove – Settlers Ridge to Prestbury Water Main Improvements, Project manager for the construction of 7,200 linear feet of open cut 16-inch ductile iron water main and 1,120 linear feet of horizontal directional drilled 20-inch HDPE water main. This project was designed in an expedited process to provide a second feed for the north side of the Village's system needed in advance of a water main relocation project. The project included the trenchless installation across a golf course, wetlands, floodplain and creek requiring coordination with the USACOE, IDNR, IHPA, IEPA and Kane County to acquire the necessary permitting and clearances including the preparation of a Stormwater Management Report Permit

		Application, Notice of Intent and SWPPP. The remaining open cut portion included a residential neighborhood, farm field installation and bore and jacking under two state right of ways. The state right of ways crossings and access points required coordination with IDOT to secure a highway permit. Village of Libertyville – Peterson Road Water Main Improvements, provided management for the design of a Booster Pumping Station with a capacity of 2.45 MGD and approximately 2,600 linear feet of 16-inch water main began. In addition to obtaining the typical permits or sign-offs from the Illinois Environmental Protection Agency (IEPA), Illinois Historical Protection Agency (IHPA), and the Illinois Department of Natural Resources (IDNR), the site specific components of this project also required coordination with the Illinois Department of Transportation (IDOT), Libertyville Township, the Army Corps of Engineers, Lake County Division of Transportation, Lake County Stormwater Management Commission, Metra, and private property owners. The completion of the design and construction is anticipated in 2013. The scope of this project includes preliminary design engineering, final design engineering, permitting, bidding, contracting, construction administration, construction observation, and close- out. City of Warrenville – Batavia Road Sanitary Sewer and Water Main Improvements, provided planning and design for the installation of 1,000 feet of various sized water main, 60 linear feet of 10-inch water main, 160 linear feet of 12-inch water main, 1,700 linear feet of 8-inch sanitary sewer, and 2,400 linear feet of 10-inch sanitary sewer in preparation for a road reconstruction project in the City of Warrenville. Prepared detailed drawings and specifications, created an engineer's estimate of probable construction costs, prepared contract documents and applied for IEPA permits and Illinois Historic Preservation Agency (IHPA) sign-off.
Todd A. Wells, P.E., CPII / Senior Project Engineer II	16 / 11	City of Elgin - 2013 Street Rehabilitation – Union-Sheridan Improvements, As resident engineer for the $5.2 million project, provided construction management, inspection, QC/QA oversight, pay estimates, and documentation for the City of Elgin, Illinois. The rehabilitation project included complete removal and replacement of all curb and gutter, driveway aprons, sidewalk, and existing asphalt pavement within a residential and commercial area in the City of Elgin, Illinois. Other streets within the project limits were patched, milled and overlaid per requirements dictated by existing conditions. The project also included over 7,000 feet of deep storm sewer construction, sanitary sewer lining, and water main as part of the City's ongoing sewer de-combining project. Responsibilities included management and coordination of field inspection personnel, daily coordination and communication with the City,

		direct response and interaction with residents, oversight of construction finances and construction inspection. Challenges included continuous monitoring of construction budget for mid-project determination of final project extent. City of Elgin - South Street Roadway Extension, As lead resident engineer for the $8 million project, provided construction management, inspection, QC/QA oversight, pay estimates, and documentation for the City of Elgin, Illinois. The project included the installation of stabilized subgrade and base, storm sewer installation, water main installation, sanitary sewer installation, pedestrian multi-use path, sidewalk, and hot mix asphalt pavement. In addition, the project also included installation of a box culvert. Responsibilities included management and coordination of field inspection personnel, daily coordination and communication with the City, direct response and interaction with residents, oversight of construction finances and construction inspection. United City of Yorkville – Kennedy Road Bike Path from Illinois Route 47 to Mill Road, Resident engineer for the construction of a 10 foot wide hot-mix asphalt bike path from Illinois Route 47 to Mill Road, a distance of approximately 3.1 miles through residential and rural areas. Phase III services are currently being provided and include construction staking, inspection, ICORS documentation, quality assurance, pay estimates and contract management.
Kyle D. Welte, P.E., CPII / Senior Project Engineer II	9 / 9	United City of Yorkville - Game Farm Road and Somonauk Street Improvements, Lead resident engineer for the removal, widening, and reconstruction of over 4,720 linear feet of Game Farm Road and Somonauk Street in the United City of Yorkville. This project also included 4,650 linear feet of storm sewer, 800 linear feet of water main replacement, sanitary sewer repairs, 10,650 feet of curb, and installation of a retaining wall and shared use path. This project consisted of complete reconstruction of an existing street within a residential area utilizing STP funds. In addition to serving residents, the streets served City Hall, Yorkville Public Library, Yorkville Police Department, a community center, Yorkville High School, Yorkville Freshman Academy and the Yorkville Grade School. The project involved extensive coordination with the school district, City Hall, and local residents. Part of the coordination involved a public open house, weekly summaries to the City and School District, weekly progress meetings with contractor and the distribution of project fliers. The City's website was also updated routinely to provide current information.

		Construction responsibilities included verification of proper materials and construction methods, project documentation, and observation of all construction work. The approximate cost of this project was $3,773,100. United City of Yorkville - Countryside Street and Water Main Improvements, Design and lead Resident Engineer for the replacement of 16,000 linear feet of water main within a residential and commercial area. The project also includes the complete removal and replacement of the existing bituminous pavement along with curb and sidewalk repairs. Phase III engineering services include construction staking, inspection and documentation, quality assurance, pay estimates and contract management. City of Warrenville - Continental Drive Shared Use Path Surface Transportation Program (STP), Lead resident engineer for over 3,300 linear feet of bike path installed along Continental Drive and Meadow Avenue in the City of Warrenville. This project also included sidewalk replacement, curb replacement, and the installation of a retaining wall. Part of the project was constructed along an elementary school, so significant communication with local residents, and coordination with the school district was required. Construction responsibilities included verification of proper materials and construction methods, project documentation, and observation of all construction work. The approximate cost of this project was $255,000.
Eric J. Meschewski, P.E., CPII / Senior Project Engineer I	9 / 2	Village of Bensenville - George Street Box Culvert, DuPage County, As the resident engineer for this CDBG funded project, provided construction management, material inspection and documentation for the Village of Bensenville. The project included the removal of old CMP culvert, water main adjustment, sanitary line adjustment, utility conflict coordination, installation of new precast box culvert, new sidewalk, curb and gutter replacement, and revetment mat installation. Village of Bensenville - Green Street Parking Lot, DuPage County, As the resident engineer for the parking lot, provided construction management, material inspection, and documentation for the Village of Bensenville. The project included developing a former residential lot into a 27-space parking lot with a loading zone. Items included were curb, sidewalk, ADA ramps, HMA placement, and stone placement. City of Elgin - South Street Roadway Extension, Kane and Cook County, As an inspector for the $9 million project, provided construction inspection, and documentation for the City of Elgin. The project included the installation of

		stabilized subgrade and base, storm sewer installation, water main installation, sanitary sewer installation, pedestrian multi-use paths, sidewalk, and hot mix asphalt pavement. The project also included installation of a box culvert. Responsibilities included construction inspection and oversight, earthwork calculations, and reporting to the resident engineer. Village of Montgomery – 2017 Road Program, Resident engineer that was responsible for the construction inspection and documentation of the Village of Montgomery's 2017 road program. Project consisted of pavement removal, HMA resurfacing, village wide pavement patching, curb and gutter replacement, and sidewalk repairs including ADA compliant ramps and crosswalks. Village of Sugar Grove – 2016 and 2017 Road Program, Resident engineer that was responsible for the construction inspection and documentation of the Village of Sugar Grove's 2016 and 2017 road programs. Project consisted of pavement removal, HMA resurfacing, village wide pavement patching, curb and gutter replacement, and sidewalk repairs including ADA compliant ramps and crosswalks.
Jeffrey W. Freeman, P.E., CFM, LEED AP, Vice President	21 / 20	Various Communities - IEPA Revolving Loan Program, Provided leadership and management for securing loan funds for drinking water and wastewater projects including projects in Elburn, Hampshire, Hinckley, Maple Park, Montgomery (2), Sugar Grove (2), St. Charles (2) and Yorkville. Various Communities – I/I Analysis and SSES, Provided project engineering and project management for sanitary sewer inflow and infiltration (I/I) studies in Bartlett, Elgin, Hampshire, Libertyville, Newark, Oswego and St. Charles. I/I studies included sanitary sewer flow and rainfall monitoring throughout the community's sanitary sewer network. Data analysis of the sanitary flows and precipitation data defined inflow and infiltration severity throughout the defined subbasins. Provided project engineering and project management for Sewer System Evaluation Surveys (SSES) in Elgin, Libertyville, Hampshire and Newark. Managed and interpreted SSES field work which included smoke testing, manhole inspections, sewer televising, dye water flooding and night-time flow isolations. Cost-effective analyses were completed to determine the optimal rehabilitation program. The projects also included final reports and public presentations to the policymakers and the tributary water reclamation district.

Stephen T. Dennison, P.E., Senior Project Manager	14 / 13	Village of Bartlett – Devon Excess Flow Facility Evaluation, Project Manager for the Village of Bartlett's Devon Excess Flow Facility Evaluation. The satellite (it is not located at the Village's main WWTF) excess flow treatment system had been unable to meet the revised NPDES permit parameters that were established by the IEPA. Project tasks include negotiations with the IEPA to modify the NPDES permit, coordination with MWRDGC for temporary and long term wastewater conveyance options, evaluation of upgrading the excess flow treatment system and evaluating two conveyance corridors for conveying the excess flows to the Village's WWTF. Village of Hampshire - Water and Wastewater Operations, Assisted Village of Hampshire staff in operational issues at Water and Wastewater Treatment Facilities. Led monthly meetings with the Village to review status of operations and establish operational goals. Routinely helped operators identify and resolve problematic situations at the facilities. Assisted in coordination with regulatory agencies regarding required permit testing and renewals. Assisted with implementation of Water System Nighttime Pumping Program to help maximize energy resources, which reduced energy bill costs by an estimated $50,000/year. Performed Jar Testing at the Wastewater Treatment Facility to maximize efficiency of Aluminum Sulfate use for Total Phosphorus removal. Assisted in implementation of Biological Nutrient Removal (BNR) process to minimize chemical usage for Total Phosphorus removal. Performed study on Aerobic Digesters that helped stabilize pH levels and promoted Nitrification/Denitrification in the process.
Christa L. Van't Hul, E.I. / Project Engineer	4 / 2	City of St. Charles - Capacity, Management, Operations and Maintenance Plan (CMOM), Mapped sanitary sewer system concerns, maintenance, and inspection observations using ArcGIS software. Calculated various inflow and infiltration (I/I) metrics in order to determine the severity of and classify the types of sanitary sewer issues experienced by the City. Assisted with creating a long-term plan for how the city will reduce their I/I in an effective and cost practicable manner. Assisted with creating a budget that clearly shows how the City will be addressing both recurring and one-time costs associated with general maintenance and one-time rehabilitation activities. Village of Huntley - Wastewater System Planning, Assisted the Village in fulfilling several Special Conditions of the NPDES Permit including a Phosphorus Removal Feasibility Study, a Phosphorus Discharge Optimization Plan, and a Capacity, Management, Operations and Maintenance (CMOM) Plan. Calculated various I/I metrics in order to determine the severity of and classify the types of sanitary sewer issues experienced by the City. Assisted with creating a budget that clearly shows how the Village will be addressing both recurring and one-time costs associated with general maintenance and one-time rehabilitation activities.



VII. Additional Information

Client Evaluations

Early in 2017 Engineering Enterprises, Inc. (EEI) conducted a *Client Satisfaction Survey* utilizing an outside consultant. The survey was completed as a part of our *Quality and Continuous Improvement Program* in order to best serve our clients. A portion of the findings from the 21 clients that participated are as follows:

- *"Competent and personable staff and good working knowledge"*
- *"High ethics and good services"*
- *"Wide range of capabilities, view them as a "true partner" to the community"*
- *"Good expertise, responsiveness and attention to detail"*
- *"Good engineers who represent the industry, and engineering community with competence and respect"*



VII. Additional Information

Public Agency Funding Assistance Summary



Throughout our 40+ year history of planning, design, and construction of a broad spectrum of municipal infrastructure improvements Engineering Enterprises, Inc. (EEI) has extensive experience assisting clients in obtaining funding to plan, design, and construct their projects. Our experience guiding multiple projects throughout the funding processes, allows us knowledge on funding options immediately available to your community. We have successfully assisted our clients in securing over $107M grant and loan dollars from various sources as you can see on the following pages.

Engineering Enterprises, Inc.
Public Agency Funding Assistance Summary

Public Agency	Grants	Loans	Funding-Details	Amount	Project	Construction Year
Big Rock Township	CDAP		Kane County Community Development Assistance Program	$10,000	Drainage Investigation	1993
Big Rock Township	CDBG		Kane County Community Development Block Grant	$175,000	Storm Sewer Imp. for 2nd, 3rd, 4th, 5th, 6th Streets & Rhodes Ave.	1998
Big Rock Park District	OSLAD		Open Space Land Acquisition and Development Program	$249,600	Big Rock Community Park	2001
Village of Burlington	DCCA		Rep. Patricia Reid Lindner, Member Initiative	$400,000	Water Main Replacement	2001
Village of Burlington	STAG		State & Tribal Assistance Grant	$300,000	Water System Improvements	2003
Village of Burlington	CDBG		Kane County Community Development Block Grant	$57,000	Storm Sewer Investigation and Mapping	2003
Village of Burlington	DCCA		Rep. Tim Schmitz, Member Initiative	$100,000	Well No. 5 and Water Main	2005
Village of Burlington	DCEO		Rep. Tim Schmitz, Illinois Bill	$150,000	Drainage and Water System Improvements	2013 - 2014
Village of Burlington	LAFO*		Local Agency Functional Overlay	$163,448	Main Street	2015
Village of Campton Hills	LAPP		Local Agency Pavement Preservation	$260,187	McDonald Road - Section 1	2009
Village of Campton Hills	LAPP		Local Agency Pavement Preservation	$130,813	McDonald Road - Section 2	2010
Village of Campton Hills	LAFO*		Local Agency Functional Overlay	$195,159	McDonald Road - Section 3	2013
Village of Elburn	DCCA		Dept. of Commerce and Community Affairs	$200,000	Elevated Water Storage Tank	1981
Village of Elburn		IEPA	Illinois Environmental Protection Agency-Low Interest Loan	$9,500,000	Wastewater Treatment Facility Upgrade	2015
Village of Elburn	STP		Surface Transportation Program	$920,625	Anderson Road	2020**
City of Elgin	LAPP		Local Agency Pavement Preservation	$664,551	Summit Street	2009
City of Elgin	LAPP		Local Agency Pavement Preservation	$970,600	Big Timber Road (West)	2010
City of Elgin	LAPP		Local Agency Pavement Preservation	$724,616	Big Timber Road (East)	2010
City of Elgin	LAFO*		Local Agency Functional Overlay	$500,000	Kimball Street	2012
City of Elgin	LAFO*		Surface Transportation Program	$500,000	Larkin Avenue	2015
City of Elgin	STP		Surface Transportation Program	$2,500,000	Chicago Street	2018**
City of Geneva	LAPP		Local Agency Pavement Preservation	$1,064,509	Kaneville Road	2010
Village of Hampshire	HPP		Federal High Priority Project	$1,800,000	Infrastructure Improvements, Street Reconstruction	2012
Village of Hampshire	DCCA		DCCA, Economic Development Grant	$500,000	Infrastructure Improvements, Water Main and Sanitary Sewer	1999
Village of Hampshire		IEPA	Illinois Environmental Protection Agency-Low Interest Loan	$3,993,045	Wastewater Treatment Facility Rehab. and Expansion	2002
Village of Hampshire	DCCA		DCCA, Economic Development Grant	$500,000	Infrastructure Improvements, Water Main	1999
Village of Hampshire	DCCA		DCCA, Economic Development Grant	$500,000	Infrastructure Improvements, Water Main and Sanitary Sewer	1998
Village of Hampshire	EDP		Economic Development Program	$651,000	IDOT-EDP Infrastructure Impr: Rt 20 Impr and Interior Roads	1998
Village of Hampshire	STAG		State & Tribal Assistance Grant	$573,400	Sanitary Sewer Rehab.	2006
Village of Hampshire	CDAP		Kane County Community Development Assistance Program	$500,000	Infrastructure Improvements, Streets	1995
Village of Hampshire	DCCA, CDAP		Dept. of Commerce and Community Affairs / Kane Co Comm Dev Assistance Program	$175,000	Water Well No. 6	1988
Village of Hampshire	CDAP/Vill. Match		Kane Co Comm Dev Assistance Program / with Village Match (Drainage Impr)	$22,500	Highland / Hillcrest - Drainage Improvements	1990
Village of Hampshire	CDAP/Vill. Match		Kane Co Comm Dev Assistance Program / with Village Match	$20,000	HA Creek - Hydraulics & Hydrology Study	1991
Village of Hampshire	LAPP		Local Agency Pavement Preservation	$459,794	State Street	2010
Village of Hampshire	LAPP		Local Agency Pavement Preservation	$170,178	Deitrich Road	2010
Village of Hampshire	LAFO*		Local Agency Functional Overlay	$359,888	Brier Hill Road	2016**
Village of Hebron	DCCA		Dept. of Commerce and Community Affairs	$400,000	Elevated Water Storage Tank, Well No. 4, Well House and Water Main Imp.	1978
Village of Hinckley		IEPA	Illinois Environmental Protection Agency-Low Interest Loan	$5,500,000	Wastewater Treatment Facility Expansion - 0.50 MGD	2013
Village of Hinckley		IEPA	Illinois Environmental Protection Agency-Low Interest Loan and ARRA of 2009	$2,863,585	Well No. 5, Wells No. 3 and 5 Water Treatment Plant	2011
Village of Hinckley	DCCA		Dept. of Commerce and Community Affairs	$300,000	Elevated Water Storage Tank	1987
Village of Hinckley	DCCA		Dept. of Commerce and Community Affairs	$175,000	Water Main	1988
Village of Hinckley	IDOT		Safe Route to Schools	$250,000	Sidewalks	2009
Village of Hinckley	DCEO		Rep. Bob Pritchard, Illinois Capital Bill	$100,000	Miller/Oak Street Storm Sewer	2014
Village of Maple Park	DCCA		Dept. of Commerce and Community Affairs	$400,000	Elevated Water Storage Tank and Water Main	1999
Village of Maple Park	CDBG		Kane Co. Community Development Block Grant	$10,000	Storm Sewer Report	2003
Village of Maple Park	CDBG		Kane Co. Community Development Block Grant	$128,000	Storm Sewer Improvements	2000

Engineering Enterprises, Inc.
Public Agency Funding Assistance Summary

Public Agency	Grants	Loans	Funding-Details	Amount	Project	Construction Year
Village of Maple Park	CDBG		Kane Co. Community Development Block Grant	$20,000	Comprehensive Street Maintenance Improvement Program	2002
Village of Maple Park	STAG		State & Tribal Assistance Grant	$242,000	Well No. 5 and Wells	2002
Village of Maple Park	IL First Grant		ILLINOIS FIRST	$50,000	Well No. 5 and Wells	2002
Village of Maple Park	CDBG		Kane Co. Community Development Block Grant	$180,000	Wells No. 4 & 5 Water Treatment Plant	2002
Village of Maple Park		IEPA	Illinois Environmental Protection Agency-Low Interest Loan	$900,000	Wells No. 4 & 5 Water Treatment Plant	2002
Village of Montgomery	STAG		State & Tribal Assistance Grant	$607,000	East and West Elevated Tank Rehabilitation	2004
Village of Montgomery	STP, FHA		Surface Transportation Program (STP), Federal Highway Administration	$250,000	Douglas Road Resurfacing	1998
Village of Montgomery	DCCA, CDAP		Dept. of Commerce and Community Affairs / Kane Co Comm. Dev Assistance Program	$50,000	Parker Court Sanitary Sewer	1991
Village of Montgomery	STP, FHA		Surface Transportation Program (STP), Federal Highway Administration	$250,000	Aucutt Road Resurfacing	2002
Village of Montgomery	TARP		Truck Access Route Program	$121,000	Aucutt Road Resurfacing	2002
Village of Montgomery	IL First Grant		ILLINOIS FIRST	$517,200	Knell Road Reconstruction	2002
Village of Montgomery	TARP		Truck Access Route Program	$39,000	Knell Road Reconstruction	2002
Village of Montgomery	IL First Grant		ILLINOIS FIRST	$27,200	Fifth Street Traffic Signals	2000
Village of Montgomery		IEPA	Illinois Environmental Protection Agency-Low Interest Loan	$1,144,276	Well No. 8, Well No. 8 Well House and Treatment Plant	1998
Village of Montgomery	None	SAA	Special Assesment Area Bond	$9,080,325	Lakewood Homes - Public Improvements; Roads & Utilities	2000
Village of Montgomery	LAPP		Local Agency Pavement Preservation	$162,000	Webster, River and Mill Resurfacing	2003
Village of Montgomery	LAPP		Local Agency Pavement Preservation	$268,000	Baseline Road	2004
Village of Montgomery	LAPP		Local Agency Pavement Preservation	$312,300	Main Street	2006
Village of Montgomery	LAPP		Local Agency Pavement Preservation	$327,900	River Street	2009
Village of Montgomery	LAPP		Local Agency Pavement Preservation	$494,776	Douglas Road Resurfacing	2010
Village of Montgomery	HPP		Federal High Priority Project	$4,800,000	Baseline Road	2011
Village of Montgomery	LAPP		Local Agency Pavement Preservation	$305,997	Lakewood Creek Drive	2011
Village of Montgomery	State of Illinois		Emergency Repair Program	$635,000	Railroad Street, Pearl Street and Mill Street	2011
Village of Montgomery	DCEO		Infrastructure Grant	$200,000	Well No. 15 Improvements	2011
Village of Montgomery		IEPA	Illinois Environmental Protection Agency-Low Interest Loan	$4,336,971	Water Works System Improvements	2011
Village of Montgomery	LAFO*		Local Agency Functional Overlay	$280,041	Douglas Avenue	2013
Village of Montgomery	DCEO		Rep. Kay Hatcher, Illinois Capital Bill	$40,000	Third Avenue Water Main	2013
Village of Montgomery		IEPA	Illinois Environmental Protection Agency-Low Interest Loan	$2,570,986	Boulder Hill Water Main Improvements - Contract B	2014
Village of Montgomery	LAFO*		Local Agency Functional Overlay	$500,000	Briarcliff Road	2016**
Village of Newark	STAG		State & Tribal Assistance Grant	$200,000	Sanitary Sewer System Rehabilitation	2005
Village of Newark	DCEO		Rep. Kay Hatcher, Illinois Capital Bill	$100,000	Sanitary Sewer System Improvements	2013
Village of Newark	IDOT		Safe Route to Schools	$356,895	Sidewalks	2015
Village of Oswego	CMAQ		Congestion Mitigation & Air Quality Improvement Program	$1,771,000	Orchard Road Park and Ride Facility	2003
Village of Pingree Grove	IDOT		Safe Route to Schools	$43,800	Signs	2015
Village of Pingree Grove	STP		Surface Transportation Program	$1,278,300	Reinking Road	2019**
Village of Sugar Grove	OSLAD		Open Space Land Acquisition and Development Program	$200,000	Sugar Grove Sports Complex	1999
Village of Sugar Grove		IEPA	Illinois Environmental Protection Agency-Low Interest Loan	$1,578,652	Well No. 8, Well No. 8 Well House and Treatment Plant	2000
Village of Sugar Grove		IEPA	Illinois Environmental Protection Agency-Low Interest Loan	$1,352,534	Well No. 9 Well House and Treatment Plant	2001
Village of Sugar Grove	EDG		Economic Development Grant	$300,000	Well No. 9 and Well No. 7 Stand-By Generator	2001
Village of Sugar Grove	HPP		Federal High Priority Project	$4,800,000	Municipal Drive & Galena Boulevard Extensions	2009
Village of Sugar Grove	LAPP		Local Agency Pavement Preservation	$513,697	Wheeler Road	2009
Village of Sugar Grove	LAPP		Local Agency Pavement Preservation	$409,425	Hankes Road	2009
Village of Sugar Grove	LAPP		Local Agency Pavement Preservation	$680,546	Prairie Street	2010
Village of Sugar Grove	LAPP		Local Agency Pavement Preservation	$146,780	Granart Road	2011
Village of Sugar Grove	STP & State		Surface Transportation Program & State Match	$1,160,685	Cross Street at IL Route 47	2013
Village of Sugar Grove	LAFO*		Local Agency Functional Overlay	$500,000	Dugan Road	2014

Engineering Enterprises, Inc.
Public Agency Funding Assistance Summary

Public Agency	Grants	Loans	Funding-Details	Amount	Project	Construction Year
Village of Sugar Grove	LAFO*		Local Agency Functional Overlay	$273,900	Denny Road	2016**
Village of Sugar Grove	STP		Surface Transportation Program	$1,152,600	Bliss Road / Wheeler Road at IL Route 47	2016**
City of St. Charles		IEPA	Illinois Environmental Protection Agency-Low Interest Loan	$6,395,495	Wells No. 3 & 4 Radium Removal	2010
City of St. Charles		IEPA	Illinois Environmental Protection Agency-Low Interest Loan	$3,650,000	Red Gate Water Tower	2014*
Village of Union	DCCA, EDG		DCCA, Economic Development Grant	$498,000	EWST and Water Main Improvements	1995
Village of Union	DCCA		Dept. of Commerce and Community Affairs	$200,000	Well No. 4 and Well House	1989
City of Warrenville	LAPP		Local Agency Pavement Preservation	$690,000	Batavia Road	2010
City of Warrenville	STP		Surface Transportation Program	$448,800	Batavia Road	2013
City of Warrenville	STP		Surface Transportation Program	$251,469	Continental Drive Shared-Use Path	2013
City of Warrenville	HBP		Highway Bridge Program (now known as STP-Bridge)	$2,781,536	Williams Road Bridge	2015
United City of Yorkville	ITEP		Illinois Transportation Enhancement Project	$491,270	Street Lights	2016**
United City of Yorkville	SRTS		Safe Route to Schools	$280,000	Sidewalks	2013
United City of Yorkville	ITEP		Illinois Transportation Enhancement Project	$1,387,280	Kennedy Road Shared-Use Bike Path	2016**
United City of Yorkville		IEPA	Illinois Environmental Protection Agency-Low Interest Loan	$1,947,070	Wells No. 3 & 4 Water Treatment Plant	2005
United City of Yorkville	STAG		State & Tribal Assistance Grant	$950,246	Water Works System Improvements	2003
United City of Yorkville	IEPA		"Build Illinois" Grant	$500,000	EWST, Booster Pump Station and Water Main Improvements	1985
United City of Yorkville	LAPP		Local Agency Pavement Preservation	$427,500	Fox Road Resurfacing	2009
United City of Yorkville	LAFO*		Local Agency Functional Overlay	$300,000	Cannonball Trail	2014
United City of Yorkville	LAFO*		Local Agency Functional Overlay	$187,140	Mill Street	2016**
			Total Amount Secured:	**$107,004,090**		

* LAPP resurfacing projects changed names to LAFO in 2012
** Anticipated Construction Year

1/18/2017





Engineering Enterprises, Inc. (EEI) employs a value added service approach to all projects that enter our door. **What does that mean to you?** That means that we will look at all avenues on projects to determine the best possible solution. Good engineering services can save you money by developing long term cost-effective solutions. EEI diligently monitors the bidding climate, so we have the ability to set project budgets that are not exceeded on bid day. In addition, our change order rate is well below industry standard, which means we take the extra time to think through our designs and work with you to issue a project for bid that meets all of your objectives. EEI provides value added services by drawing upon our 40+ years of experience utilizing the following approaches:

- Team Approach
  - Collaboration Between the Municipality and EEI Staff
  - We are an Extension of You and Your Staff
  - We Listen!
- Proven Experience
  - All Aspects of Municipal Engineering
  - CIP Planning, Funding and Financing
- Commitment to the Community
- Experienced "A+" Project Team
  - Responsive
  - Efficient and Effective
  - Excellent Communicators

Customer Service

Forward Thinking

Teamwork

Quality

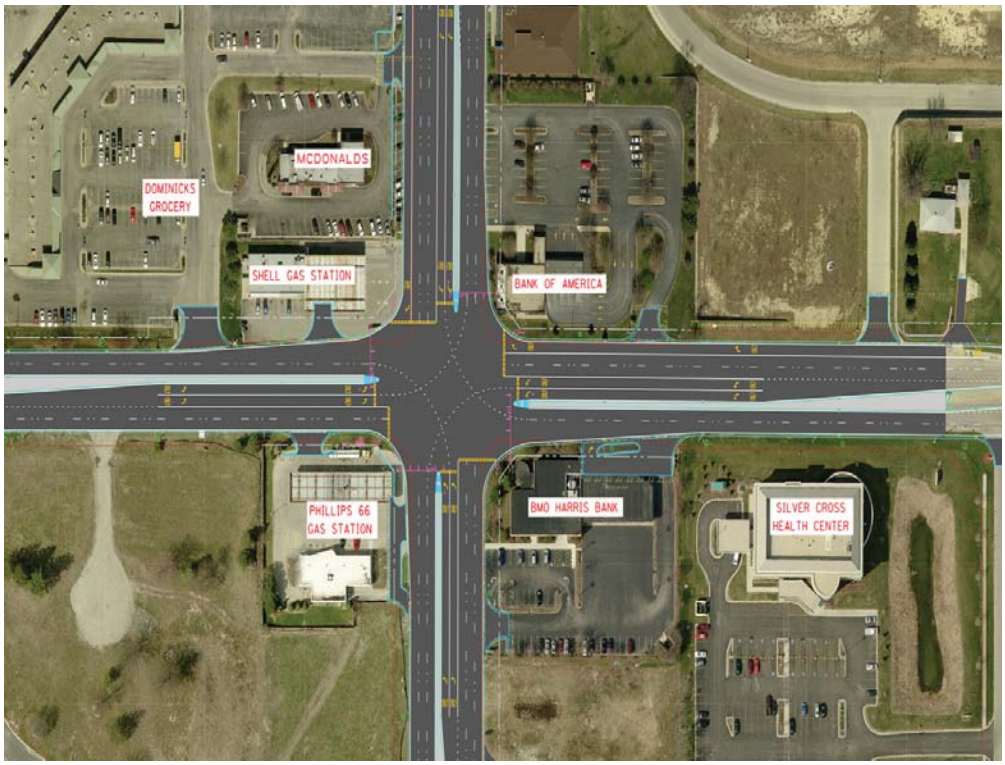
52 Wheeler Road, Sugar Grove, IL 60554 ~ (630) 466-6700 tel ~ (630) 466-6701 fax ~ www.eeiweb.com

Response to Request for Qualifications

Village of Bensenville

Establishment of Short Lists

for Engineering Services



EPSTEIN

Submitted to:
Joseph M. Caracci, P.E.
Director of Public Works

Village of Bensenville
717 E. Jefferson Street
Bensenville, Illinois 60106

Submitted by:
Greg Osborne, PE
Vice President, Director of Civil Engineering

Epstein
600 West Fulton Street
Chicago, Illinois 60661-1259

www.epsteinglobal.com

Architecture
Interiors
Engineering
Construction

10/19/2017

Building on Experience

EPSTEIN

October 19, 2017

Village of Bensenville
Joseph M. Caracci, P.E.
Director of Public Works
717 E. Jefferson Street
Bensenville, Illinois 60106

RE: Request for Qualifications, Establishment of Short-Lists
for Civil Engineering Services – Design Engineering Category

Dear Mr. Johnson,

Epstein is pleased to submit our response to your request for qualifications to provide Engineering Services to the Village of Bensenville for the **Design Engineering Category**. Epstein is a full-service architecture and engineering firm based in Chicago with over 95 years of experience providing design and engineering solutions for civic clients throughout Chicagoland. Over the past few years we have provided professional design services for public sector clients like the DuPage County, Will County, Forest Preserve District of Cook County, Downers Grove, City of Chicago, O'Hare Airport, the City of Naperville, and the Village of Wilmette. In addition, our engineers have thorough knowledge of managing federal aid contracts per IDOT District 1 guidelines.

Our design and engineering experience also features project types that mirror the Village of Bensenville's anticipated improvements. For instance, our engineers have recently completed Phase II design for improvements to Bell Road and 143rd Street for Will County. The project involves federal aid documents in accordance with IDOT District 1. Coordination with utilities and property owners was an important part of the development of the project. We have also recently completed several traffic signal modernization improvements for private clients, IDOT and local agencies.

Our core services include Phase I and Phase II engineering, traffic engineering, structural engineering, stormwater management, permitting, feasibility studies, master planning and architecture for facilities improvements. We often partner with small, disadvantages businesses for services such as topographic survey, geotechnical engineering, Phase III engineering, and traffic counts. We believe in providing opportunities for small businesses to grow and become independent.

The enclosed proposal indicates the key personnel likely to be leading a Bensenville project, each with over 20 years' experience serving the public sector.

On the following pages we have responded to the Village's request for qualifications. If you should require additional information and/or clarifications to the material enclosed please feel free to contact me at (312) 429-8272 or via e-mail at gosborne@epsteinglobal.com.

Sincerely,

Greg Osborne

Greg Osborne, PE
Vice President, Director of Civil Engineering

Architecture
Interiors
Engineering
Construction

600 West Fulton Street
Chicago, Illinois
60661-1259

T (312) 454-9100
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Section 1

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- Project Experience
- Staffing
- Client Evaluations
- Statement of Qualifications Form

EPSTEIN

Section 1

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[x] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

AEPSTEI-01 DHEIBEL

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
9/29/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Dawn.Heibel@alliant.com	
Mesirow Insurance Services, Inc. 353 N. Clark St 11th fl Chicago, IL 60654	PHONE (A/C, No, Ext): (312) 595-6200	FAX (A/C, No):
	E-MAIL ADDRESS:	

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Continental Insurance Company	35289
INSURER B : Continental Casualty Company	20443
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED

A. Epstein and Sons International, Inc.
dba Epstein
600 West Fulton Street
Chicago, IL 60661

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
A	X COMMERCIAL GENERAL LIABILITY			6023981464	02/01/2017	02/01/2018	EACH OCCURRENCE	$	1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$	300,000
							MED EXP (Any one person)	$	10,000
							PERSONAL & ADV INJURY	$	1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$	2,000,000
	POLICY X PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$	2,000,000
	OTHER:							$	
B	AUTOMOBILE LIABILITY			6023981478	02/01/2017	02/01/2018	COMBINED SINGLE LIMIT (Ea accident)	$	1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$	
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$	
	X HIRED AUTOS / X NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$	
								$	
A	X UMBRELLA LIAB X OCCUR			6023981495	02/01/2017	02/01/2018	EACH OCCURRENCE	$	9,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$	9,000,000
	DED X RETENTION $ 10,000							$	
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			6023981481	02/01/2017	02/01/2018	X PER STATUTE / OTH-ER		
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N: N (Mandatory in NH)	N / A					E.L. EACH ACCIDENT	$	1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$	1,000,000
							E.L. DISEASE - POLICY LIMIT	$	1,000,000
B	Professional Liab.			AEH591871681	02/01/2017	02/01/2018	Per Claim/Aggregate:		5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: EPN 17306.
Village of Bensenville and its officers, agents and employees are included as Additional Insured on the General Liability policy if required by written contract with a Named Insured.

CERTIFICATE HOLDER

Village of Bensenville
717 E. Jefferson Street
Bensenville, IL 60106

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Legal

Epstein has no judgments, pending claims, or suits except in the ordinary course of business, none of which are material.

EPSTEIN

Section 2

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

May 21, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Thomas Smiles
EPSTEIN, A. & SONS INTERN., INC.
600 West Fulton
Chicago, IL 60661

Dear Thomas Smiles,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $17,600,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 142.17% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR EPSTEIN, A. & SONS INTERN., INC.

CATEGORY	STATUS
Special Studies - Traffic Signals	X
Special Services - Sanitary	X
Special Services - Landscape Architecture	X
Special Studies - Pump Stations	X
Special Services - Mechanical	X
Special Studies - Safety	X
Highways - Freeways	X
Location Design Studies - New Construction/Major Reconstruction	X
Special Services - Electrical Engineering	X
Location Design Studies - Rehabilitation	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Special Studies - Feasibility	X
Highways - Roads and Streets	X
Special Services - Architecture	X
Airports - Construction Inspection	X
Airports - Design	X
Structures - Railroad	X
Structures - Highway: Advanced Typical	X
Structures - Highway: Simple	X
Structures - Highway: Typical	X
Special Studies - Traffic Studies	X
Hydraulic Reports - Waterways: Typical	X
Hydraulic Reports - Waterways: Complex	X
Special Studies - Location Drainage	X
Structures - Moveable	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

EPSTEIN

Project Experience

Project/ Client	**Bell Road/ 143rd Street Intersection Widening** **Will County Division of Transportation**
Scope of Work/ Client	 Epstein is providing Phase II civil and structural engineering design services for the reconstruction of the Bell Road intersection with 143rd Street in Homer Glen for the Will County Department of Transportation. This project's specific scope consists of widening and reconstruction of 1 mile of Bell Road and 0.82 mile of 143rd Street. The intersection of Bell Road and 143rd Street will provide three through lanes on Bell Road, two through lanes on 143rd Street, dual left turn lanes, dedicated right turn lanes and raised medians once complete. The intersection with a shopping entrance on Bell Road is also affected and will require widening, reconstruction and signal modernization along with a third signal at 143rd Street and Greystone Drive. This segment of Bell Road is a major commercial area for Homer Glen and is projected to carry 26,800 vehicles daily by 2030. The fully developed corridor of the north leg of Bell Road is a challenge to minimize impacts to properties and still provide for the additional 3 lanes proposed. Four existing segmental block retaining walls are impacted by the construction and replacements are proposed with a maximum height of 8 feet. Early coordination with the adjacent projects and the many affected utilities is part of the success of the project to avoid redesign and minimize major impacts to utilities. Over 6 acres of property acquisition from approximately 60 parcels is required to meet the needs of this project. Improvements will be in accordance with the Project Development Report for Group II Categorical Exclusion of Bell Road - 131st Street to 159th Street. The project is funded through a CMAQ grant and will be approved and bid through the Illinois Department of Transportation Bureau of Local Roads. Brian Gieseke (815) 727-8476
Project Team	Greg Osborne – Project Manager; John Karlovitz – Project Engineer; Victor Iniguez – QA/QC
Construction Cost/Fee/Year	$14,000,000 (Est.)/$ 1,255,223/ 2017

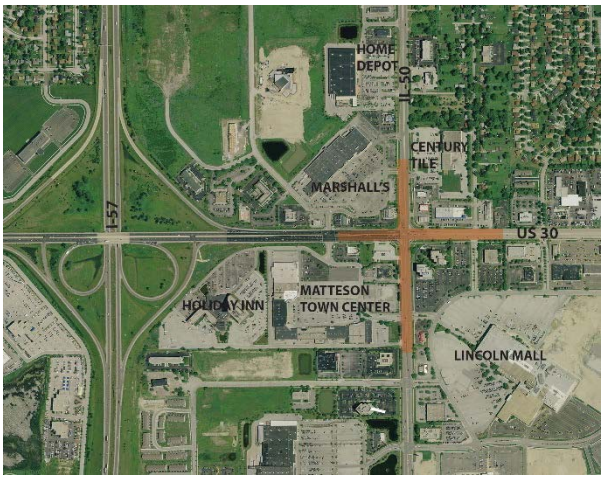
EPSTEIN

Project Experience

Project/ Client	**143rd Street to I-355 to State Street Widening** **Will County Division of Transportation**
Scope of Work/ Client	 Epstein provided Phase II engineering services for the roadway improvement of 143rd Street from the extension of Gougar Road to State Street (Lemont Road) in Homer Glen, Illinois. The roadway was improved from a two lane rural section to a five lane urban section. The drainage improvements were extensive with nearly 90 acres of off-site stormwater entering the County right-of-way at various locations. Coordination with other consultants was required for an ongoing design project to improve the143rd Street/Lemont Road intersection. The roadway provides access to single family homes and required right-of-way acquisition. Epstein provided contract plan preparation and right-of-way documentation which was performed in accordance with the Illinois Department of Transportation's Bureau of Local Roads and Streets Manual for federally funded projects. Epstein's scope of services included obtaining utility layouts from outside agencies, performing all necessary field surveys, refining the preliminary design produced in the Phase I Report, performing a pavement design, preparing drainage and hydraulic studies, preparing construction documents, specifications and cost estimates. The approved Phase I report planned for 16 parcels in need of land acquisition. During preliminary engineering, Epstein found the existing ROW was incorrect in the Phase I which would have increased the required land acquisition significantly with sensitive property owners. The main reason for the error was due to a discrepancy between the apparent ROW (distance from centerline) and actual ROW (distance from section line) caused by the roadway centerline being off of the section line by as much as 8 feet. As a solution, Epstein transitioned the roadway centerline back to the section line and reduced the land acquisition to 9 parcels, saving the County time and money. Jeff Ronaldson (815) 727-8476
Project Team	Greg Osborne – Project Manager; Dave Hilty – Drainage Engineer
Construction Cost/Fee/Year	$2,106,283/$253,114/2013

EPSTEIN

Project Experience

Project/ Client	**US 30 & IL 50 Phase I HSIP** **Illinois Department of Transportation**
Scope of Work/ Client	 Epstein provided Phase I Engineering services for the intersection improvements to US 30 & IL 50 under the Highway Safety Improvement Program. Project includes adding dual left turns on all approaches, right turn lane on the south and east approaches, traffic signal modernization, drainage improvements, and property acquisition. Land use in the area is heavy commercial with closely spaced intersections. The improvements to US 30 & IL 50 will extend into two commercial entrances 600' away. Drainage improvements include existing and proposed drainage plans to convert some open ditch drainage to a fully enclosed system. Pedestrian and Bicycle accommodations are required to comply with the Department's Complete the Streets Policy. ADA ramps, crosswalks and shared use paths will be part of the study. Studies included horizontal and vertical alternatives analysis, local agency coordination, safety analysis, Intersection Design Study, bicycle and pedestrian accommodations, ADA improvements, traffic studies, preparation of a Project Report, tree survey, data collection, utility coordination, and environmental analysis. Steve Schilke (847) 705-4125
Project Team	Greg Osborne – Project Manager; John Karlovitz – Project Engineer; Jeremy Rose – Lead Roadway
Construction Cost/Fee/Year	$4,795,000 (Est.)/$254,450/2017

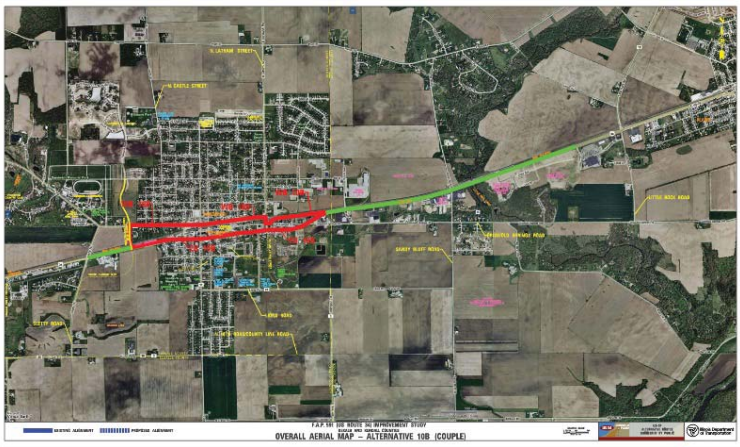
EPSTEIN

Project Experience

Project/ Client	**IL 59 & Bartlett Road Phase I HSIP** **Illinois Department of Transportation**
Scope of Work/ Client	 Epstein is providing Phase I Engineering services for the intersection improvements to IL 59 and Bartlett Road under the Highway Safety Improvement Program. Project includes adding dual left turns on all approaches, right turn lane on all four approaches, traffic signal modernization, drainage improvements, Intersection Design Studies, off-road shared use path and property acquisition. Land use in the area is residential with right-of-way constraints. Project challenges include wetlands constraints, several utilities, potential developments and multi-jurisdictional coordination. Pedestrian and Bicycle accommodations are required to comply with the Department's Complete the Streets Policy. ADA ramps, crosswalks and shared use paths will be part of the study. Steve Schilke (847) 705-4125
Project Team	Greg Osborne – Project Manager; John Karlovitz – Project Engineer; Jeremy Rose – Lead Roadway
Construction Cost/Fee/Year	$2,707,000 (Est.)/$259,940/2017

EPSTEIN

Project Experience

Project/ Client	**Reconstruction of US Route 34** **Illinois Department of Transportation**
Scope of Work/ Client	 Epstein was the lead engineer for this project which consists of Phase I engineering for the reconstruction and widening of 4 miles of US 34. Public involvement for the project was performed utilizing IDOT's Context Sensitive Solutions (CSS) policy and was the first CSS project in District 3. Engineering studies performed by Epstein included traffic operational and capacity analyses, crash analysis, Intersection Design Studies, horizontal and vertical geometric analysis, right of way analysis, bridge type study, bicycle demand analysis, and location drainage study. The project includes widening from a 2 lane rural section with open drainage to a 5 lane urban section with a two way left turn lane, closed drainage system, sidewalk and shared use path. The Burlington Northern Railroad runs parallel to US 34 throughout the entire project length requiring the adjustment of the roadway centerline in order to provide the storage length required by MUTCD and traffic signal interconnects with the railroad at four locations. Intersection Design Studies were performed for 10 intersections, 8 existing signalized intersections and 2 proposed signals based on warrants for distance to an at grade railroad crossing and pedestrian volumes. MUTCD Warrant studies for two uncontrolled intersections. Both locations warranted a new signal. US 34 is the main artery through downtown Sandwich where there is minimum right of way. Dave Alexander, PE (815) 434-8469
Project Team	Theresa Pelletier – Project Manager; Greg Osborne – Project Manager/Project Engineer; John Karlovitz – Project Engineer; Dave Hilty – Lead Drainage
Construction Cost/Fee/Year	$34,124,000 (Est.)/ $1,213,859/2014

EPSTEIN

Project Experience

Project/ Client	**Post Office Road** **Chicago Department of Aviation**
Scope of Work/ Client	 Epstein was the lead engineer for Alternatives Analysis and Phase II engineering of the relocation of Post Office Road from the existing Post Office Road near the Cargo Fuel Area, under RW 10R-28L and terminating at the relocated South Perimeter Road to provide access between the existing Post Office facilities to the south and the Main Terminal. The relocation of the South Perimeter Road from east of the Post Office facility to Taft Road was also part of the Project. Guard Posts 5 and 5A and the South Construction Vehicle Inspection Area (CVIA) needed to be relocated as a result. An access road to the South Detention Basin was necessitated due to these relocations and is also part of the Project. The project involved the preliminary and final design of Post Office Road including the preparation of construction documents for public bid in conformance with the requirements of the FAA the OMP and the City of Chicago. This project also included horizontal and vertical alignment studies to accommodate special vehicles including airfield fuel trucks and emergency vehicles, pavement design, roadway lighting, drainage, maintenance of traffic, construction phasing and security. Existing CVIA and guard posts needed to maintained operational until the commissioning of the proposed facilities which included new guard booths, new security Hub Building and electrical and communication equipment. The project was phased constructed in order to accommodate the construction of Runway 10R-28L and other enabling projects on the south airfield of O'Hare International Airport for the completion phase of the O'Hare Modernization Program. Neil A. Parikh, PE (773) 462-7511
Project Team	Theresa Pelletier – Project Manager; Greg Osborne – Project Engineer; Victor Iniguez – Lead Roadway
Construction Cost/Fee/Year	$19,646,524/ $459,800/2012

EPSTEIN

Project Experience

Project/ Client	**Riverview Bridge Bike Trail** **Chicago Department of Transportation**
Scope of Work/ Client	 The Riverview Bridge (formerly the Addison Underbridge Connection) of the North Branch Riverfront Trail completes a critical link in the off-street multi-use trail spanning from the city core on the south to the extensive set of northern trails that extend to the Botanic Gardens, Ft. Sheridan and points north. Epstein was the prime consultant leading the team through Phase I and Phase II services including field observation and research, stakeholder workshops, TS&L, hydraulic analysis, Phase II plans, specifications and estimates, trail geometrics, trail structure design, river wall design, utility coordination, erosion control, drainage, stormwater BMP's, and coordination of landscaping and lighting. An alternatives analysis was performed to evaluate three options. The proposed bridge is a 16 span reinforced concrete modified Tee Beam superstructure approximately 1010' long and 16' wide. The structure is supported on single column caissons spaced at 60' intervals with a main span over the river clear channel of 110'. The structure has 7 horizontal curves varying from 100' radius to 1600' radius. Epstein prepared the Phase I Project Development Report and TS&L for approval by IDOT Bureau of Local Roads and Bureau of Bridges and Structures. Coordination, permits and approvals were required from the US Army Corps of Engineers, IDNR, IEPA, US Coast Guard, Metropolitan Water and Reclamation District, Chicago Park District and CDOT. Lubka Benak (312) 742-2837
Project Team	Theresa Pelletier – Project Manager; Greg Osborne – Project Manager/Project Engineer; John Karlovitz – Project Engineer; Dave Hilty – Drainage/Permitting Engineer; Victor Iniguez – QA/QC
Construction Cost/Fee/Year	$10,989,000/ $1,082,917/2017

EPSTEIN

Project Experience

Project/ Client	**Geneva Road Bike Trail** **DuPage County Department of Transportation**
Scope of Work/ Client	 Epstein provided Phase II civil engineering services for the construction of 1,620 feet of 10 feet wide paved bike trail known as the Geneva Spur of the Illinois Prairie Path along the south parkway of Geneva Road between Winfield Road to the west and County Farm Road to the east. The trail closed the gap and connected the Geneva Spur and the Elgin Branch of the Illinois Prairie Path. Approximately 1,600 feet of existing 5 foot sidewalk was removed and replaced with a new 10 foot wide asphalt paved surface bike trail. The proposed bike trail layout and grading improvements impacted existing berms and landscaped areas on the west end of the project limits. Due to the grade elevation change between the proposed trail grades and the existing tie elevations in this location, 300 LF 4'-high of retaining wall, was constructed. Services included right-of-way acquisition, utility relocation, stormwater permit, ADA design and crosswalk striping. Christopher Snyder, PE (630) 407-6910
Project Team	Greg Osborne – Principal in Charge; Victor Iniguez – Project Manager
Construction Cost/Fee/Year	$276,366/ $96,627/2014

EPSTEIN

Project Experience

Project/ Client	**Various Structural Repairs** **Forest Preserve District of Cook County**
Scope of Work/ Client	Epstein served as the lead engineer for the Forest Preserve District of Cook County for repair or replacement of 17 structures within Regions 7-9 of the District's vast trail system. Each location was assessed to verify and update the repair and replacement recommendations provided by the District. The structures included 13 trail bridges, three culverts, and one underpass. Epstein prepared construction documents for the following types of repairs: Structural repair of concrete and epoxy crack injection; Stone repairs; Railing replacement and installation; Rip Rap and scour protection; New culvert installation; Super structure replacements; and Stream bank stabilization. Adnan Nammari (708) 771-1357
Project Team	Greg Osborne – Principal in Charge; Tim Gall – Project Manager
Construction Cost/Fee/Year	$1,162,905/$69,988/2017

Project/ Client	**Illinois Medical District, Ogden/Damen Development** **Gateway Partners, LLC**
Scope of Work/ Client	Epstein is the lead civil engineer for the on-site and off-site improvements for the development of a 9.5 acre site within the Illinois Medical District. The existing vacant site is proposed to be a mixed-use development including a parking garage, hotel, retail, medical office building and student housing. The mixed-use development includes 2,000 linear feet of new roadway designed to City of Chicago standards, a park, a ¾ acre pedestrian plaza which includes raised landscape planters, lighting and a water feature. Off-site improvements included signal modifications at three (3) surrounding intersections (Damen/Harrison, Polk/Ogden, and Damen/Polk). The traffic signal modification design included preparation of Traffic Signal Requirement Sheets, traffic signal plans, traffic signal timing sheets, lighting relocation plans, and cost estimates. Thomas Samuels (312) 429-8004
Project Team	John Karlovitz – Project Manager/Lead Signals
Construction Cost/Fee/Year	$300,000,000/$1,042,476/2017

Illinois Department of Transportation
Division of Highways / Region 1 / District 1
201 West Center Court / Schaumburg, Illinois 60196-1096

November 24, 2014

RECEIVED
DEC 0 1 2014
A. Epstein and Sons International, Inc.
Civil Engineering

Mr. Thomas E. Smiles, P.E.
Senior Vice President/Director of Engineering
A. Epstein & Sons International, Inc.
600 West Fulton Street
Chicago, IL 60661

Dear Mr. Smiles:

We are forwarding a copy of the interim consultant performance evaluation for the work your firm is performing for the Department on the following project:

PTB 167/015
Various Phase I Studies

This interim evaluation is for your information only and is intended to inform you of our evaluation of your firm's performance prior to October 1, 2014. The evaluation is self-explanatory and includes ratings for the various listed subtasks, as appropriate.

Based on our evaluation, we have given your firm a higher than satisfactory rating for the work your firm performed. We are pleased to have the opportunity to advise a consultant that their performance has been assessed at this level. We hope to continue to see your firm's work rated at this level or higher in the future.

If you have any questions or need additional information, please contact Kimberly Murphy, Consultant Studies Unit Head, at (847) 705-4791.

Very truly yours,

John Fortmann, P.E.
Deputy Director of Highways,
Region One Engineer

By:
Peter E. Harmet, P.E.
Bureau Chief of Programming

Attachment

Illinois Department of Transportation

Phase I and II Consultant Evaluations

Evaluation Date: 10/01/2014 **Annual or Milestone Evaluation:** Annual

Type Evaluation: Interim **Office:** District One- Programming

Evaluator: Kimberly Murphy **Job #:** P-91-179-13

Prime Consultant: EPSTEIN, A. & SONS INTERN., INC.

PTB: 167 **Item:** 015 **Sublet:**

Route: Various **County:** Various

Phase: I **District:** DIST-1 **Total Fee:** $2,000,000.00

Description: Various Phase I Studies

List Prime's Key Personnel:

Victor Iniguez	Project Engineer
Theresa Pelletier	Project Manager
Greg Osborne	Project Manager
Peter Dombrowski	Structural Engineer

Prime's Overall Evaluation: Good

Prequalification Categories:		**Old Str #**	**New Str #**	**Dual Old Str #**	**Dual New Str #**
Highway: Typical					
Reconstruction/Major Rehabilitation	Good				
Traffic Studies	Satisfactory				

Fatal Flaws:

Did the submittals contain any of the following errors?

Significant structural deficiencies.	No
Failure to identify significant environmental impacts.	No
Substandard geometrics for the specified design criteria.	No
Inaccurate survey information.	No

Did the consultant:

Display inappropriate behavior in dealing with the public or other agencies?	No
Provide false information in the report documentation?	No
Cause the letting date or design approval to be delayed due to late submittals?	No

Rated By: Jessica Telicin District/Bureau: One/Programming Rated Date: 11-5-14

Reviewed By: Kimberly Murphy Position: Unit Head Reviewed Date: 11-5-14

Concur: _____ Regional Engineer _____ Date: _____

Timeliness: Good

Comments on Strengths/Weaknesses in Timeliness:

During this evaluation period, the consultant managed other various/various Phase I consultants as an embedded IDOT project manager (PM) and performed Phase I engineering services as the project consultant (PC). The PM strived to meet deadlines, and was able to achieve design approval on a greatly accelerated schedule for a high priority project. The PC provided their deliverables in a timely manner.

Completeness: Good

Comments on Strengths/Weaknesses in Completeness:

During this evaluation period, the PM thoroughly reviewed submittals to ensure they adhered to current Department manuals, policies, procedures, and contract documents. The PC always included items specified in current Department manuals, policies, procedures, and contract documents.

Quality & Accuracy: Good

Comments on Strengths/Weaknesses in Quality & Accuracy:

During this evaluation period, the PM submitted work of good quality that was thoroughly reviewed and evaluated. The PC's work was generally of good quality. Normal Department hours were spent in review of the submittals.

Cooperation & Project Management: Excellent

Comments on Strengths/Weaknesses in Cooperation and Management:

During the evaluation period, the PM was professional, courteous, self-managed, and exhibited good communication skills. The PM worked well with and assisted Department staff on other projects. The PC was consistently available, responsive to problems and concerns, and initiated open and timely communications.

Public/Agency Coordination: Good

Comments on Strengths/Weaknesses in Public/Agency Coordination:

During this evaluation period, the PM represented the Department well at several agency meetings and held two successful public meetings and one community advisory group meeting. The public meeting exhibits and supporting materials were of good quality. The PC did not attend agency coordination meetings.

Innovation: Good

Comments on Strengths/Weaknesses in Innovation:

During this evaluation period, the PM presented innovative and fresh approaches to projects, and focused special resources on problems/concerns. She took the lead in advancing the work and addressing problems/concerns. The PM perceived and managed problems effectively, early, and innovatively. The PC presented standard approaches to problems/concerns as they occurred, and on occasion offered the Department the opportunity to advance the project.

Project Administration Budget/Supplemental/Invoicing: Satisfactory

Comments or Strengths/Weaknesses in Project Administration Budget/Supplemental/Invoicing:

None noted.

Comments on Consultant's Overall Performance

During this evaluation period, the consultant's overall performance was good. The consultant provided project management services (PM) and received design approval for the following projects:

IL 19 (Irving Park Rd) at IL 59 (Sutton Rd)
IL 59 at IL 38 (Roosevelt Rd) (north and south bound ramps)
IL 171 (1st Avenue) at Ridgewood Rd/Forest Ave
US 14 at CN RR

The consultant also provided PM services for the following projects, several of which should receive design approval in the next evaluation period:

US 6 (159th Street) at Pulaski Rd/Crawford Ave and at Kedzie Ave
US 20 at Marengo-Beck Road/South Union Rd
US 20 at Harmony
US 30 from west of Dugan Road to west of IL 47
US 41: Grand Avenue to Hollywood Avenue
IL 56 at Hart Rd/Mitchell Rd
IL 59 at Stearns Road
IL 129 at Coal City Road
IL 176 and Haligus & Mt Thabor Road
IL 176 at Nish Rd
Kedzie Avenue and 119th Street

It is a pleasure to work with Project Manager Theresa Pelletier, whose professionalism and work ethic cannot be understated. She worked diligently to achieve for IL 171 at Ridgewood/ Forest Avenue, which was on a greatly accelerated schedule and required concurrence from the State Historic Preservation Officer, which she facilitated. Theresa has an excellent grasp of the Phase I process while also being detail oriented, which helps move several Context Sensitive Solutions projects forward, including two controversial roundabout projects. She is a great addition to the project management team.

The consultant provided Phase I engineering services (PC) for the following projects:

US 20 at Gary Avenue
US 30 at IL 50

The PC remained generally accessible which helped move the projects forward in a timely manner.

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [1] Design Engineering
- [ ] Wastewater Improvements
- [ ] Stormwater Engineering
- [ ] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: Greg Osborne

Position/Title.....: Vice President, Director of Civil Engineering

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: A. Epstein and Sons International, Inc.

Address line 1 .....: 600 West Fulton Street

Address line 2 .....: Suite 900

Telephone.....: 312-454-9100

If a corporation, an officer duly authorized should sign and attach corporate seal.

PLACE CORPORATE SEAL HERE



By.....: _____

Print Name .....: James Jirsa

Position/Title.....: Executive Managing Director

Company Name ...: A. Epstein and Sons International, Inc.

Address line 1 .....: 600 West Fulton Street

Address line 2 .....: Suite 900

Telephone.....: 312-454-9100

ENGINEERING
RESOURCE ASSOCIATES





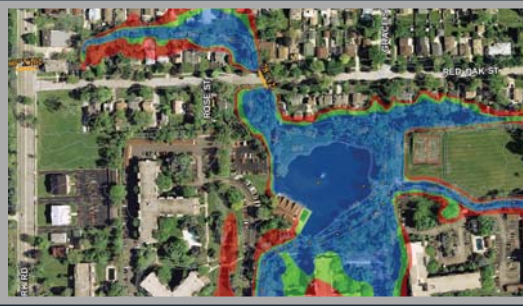


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Project Team.....Pg 21
ERA Client Reviews.....Pg 58

Qualifications for:

Establishment of Short-Lists for Civil Engineering Services

Prepared for:

Village of Bensenville
Joseph M. Caracci, PE
Director of Public Works
717 E. Jefferson Street
Bensenville, IL 60106

Due: October 19, 2017 at 3:00 PM

Primary Contact:

Marty Michalisko, PE, CFM
Project Manager/Principal
3S701 West Avenue, Suite 150
Warrenville, IL 60555
P: 630-393-3060
MMichalisko@eraconsultants.com

ENGINEERING
RESOURCE ASSOCIATES

ENGINEERS | SCIENTISTS | SURVEYORS

October 19, 2017

Joseph M. Caracci, PE
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, IL 60106

Subject: Qualifications for Establishment of Short-Lists for Civil Engineering Services

Dear Joe:

Engineering Resource Associates, Inc. (ERA) is pleased to submit this Statement of Qualifications for the Establishment of Short-Lists for Civil Engineering Services. This statement has been prepared in accordance with the request for qualifications, the pre-proposal meeting (October 15, 2017), our experience on similar assignments to those listed in your capital improvement plan, and our recent successful projects with the Village.

Our company is interested in being short listed in the categories below ranked by our strengths.

1. **Stormwater Engineering**
2. **Design Engineering**

ERA is a qualified civil engineering, structural engineering, environmental science and surveying firm that has provided design and construction phase services to municipal, county and state agencies over the past 27 years. ERA specializes in working with local municipalities. We do little work with the Tollway and IDOT in order to service our municipal clients better. As shown in our project experience and staff resumes our experience is local and very relevant to the type of work the Village of Bensenville anticipates in your Capital Improvement Plan.

ERA has completed detailed hydrologic/hydraulic analysis in the Addison Creek Watershed. We have modeled future storm sewer improvements, which have provided us a unique advantage over other firms in the understanding of the Village's drainage system and improvement goals.

ERA will be performing all services out of our Warrenville office. This local presence has our ERA staff members working closely with DuPage County staff, DuPage Municipal Engineers Group, DuPage River Salt Creek Work Group, DuPage Mayors and Managers, and Public Works organizations. Our presence in these organizations provides firsthand knowledge of available funds, new technologies, changing regulations, and an extensive network of professionals.

We appreciate the opportunity to submit this statement of qualifications. We look forward to continuing our work with the Village of Bensenville. Please contact me at (630) 393-3060 if you have any comments or questions.

Very truly yours,
ENGINEERING RESOURCE ASSOCIATES, INC.

Marty Michalisko, PE, CFM
Project Manager

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

Engineering Resource Associates, Inc. has not had any litigation or lawsuits filed against our firm within the last 5 years.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 08/08/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Traci Stoecker
Holmes Murphy and Associates - Peoria 311 S.W. Water Street Suite 211 Peoria, IL 61602-4108	PHONE (A/C, No, Ext): 800-527-9049 FAX (A/C, No): E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : SENTINEL INS CO LTD	11000
INSURER B : HARTFORD ACCIDENT & IND CO	22357
INSURER C : XL SPECIALTY INS CO	37885
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
Engineering Resource Associates, Inc.

3S701 West Street, Suite 150

Warrenville, IL 60555

COVERAGES **CERTIFICATE NUMBER:** 50557376 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY			83SBWZQ6429	08/15/17	08/15/18	EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 1,000,000
							MED EXP (Any one person)	$ 10,000
							PERSONAL & ADV INJURY	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 2,000,000
	POLICY X PRO-JECT X LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	OTHER:							$
A	AUTOMOBILE LIABILITY			83UEGNM2684	08/15/17	08/15/18	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS / X NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
A	X UMBRELLA LIAB X OCCUR			83SBWZQ6429	08/15/17	08/15/18	EACH OCCURRENCE	$ 5,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$ 5,000,000
	DED RETENTION $ 10,000							$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N			83WEGLV8434	08/15/17	08/15/18	X PER STATUTE / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N / A (Mandatory in NH)						E.L. EACH ACCIDENT	$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000
C	Professional Liability			DPR9916796	08/15/17	08/15/18	Each Claim	2,000,000
	Claims Made						Aggregate	2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

Engineering Resource Associates, Inc.

Attn: Kelly Pfarrer
3S701 West Ave., Suite 150

Warrenville, IL 60555
USA

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [X] 2 Design Engineering
- [ ] Wastewater Improvements
- [X] 1 Stormwater Engineering
- [ ] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: _____

Print Name .....: Marty Michalisko

Position/Title.....: Principal

Company Name ...: Engineering Resource Associates, Inc.

Address line 1 .....: 3s701 West Avenue, suite 150

Address line 2 .....: Warrenville, IL 60555

Telephone.....: 630-393-3060

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

December 14, 2016

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

John F. Mayer
ENGINEERING RESOURCE ASSOC., INC.
3S701 West Avenue
Suite 150
Warrenville, IL 60555

Dear John F. Mayer,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $9,600,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 145.70% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR ENGINEERING RESOURCE ASSOC., INC.

CATEGORY	STATUS
Special Studies - Traffic Signals	X
Highways - Roads and Streets	X
Special Services - Surveying	X
Special Studies - Feasibility	X
Location Design Studies - Rehabilitation	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Special Services - Construction Inspection	X
Structures - Highway: Simple	X
Structures - Highway: Typical	X
Hydraulic Reports - Waterways: Complex	X
Special Studies - Location Drainage	X
Hydraulic Reports - Pump Stations	X
Hydraulic Reports - Waterways: Typical	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

ENGINEERING
RESOURCE ASSOCIATES

Company Profile

Engineering Resource Associates, Inc. (ERA) is a consulting firm providing civil engineering, structural engineering, environmental science and surveying services to clients throughout Illinois, Indiana and Wisconsin. Our diverse clientele includes private development, municipalities, park districts, forest preserves, sanitary districts, county agencies and state agencies. We have more than 27 years of experience identifying and working with a wide variety of local, state and federal funding sources. Our staff of 36 professionals includes licensed engineers, structural engineers, surveyors, environmental scientists, certified floodplain managers and CAD/GIS specialists.

Our firm specializes in providing comprehensive services throughout the planning, design and construction phases of engineering and environmental assignments. The following is a partial listing of the primary types of projects that have been successfully completed by our firm.

- **Transportation Projects -** Design and Rehabilitation of Roadways, Intersections, Utility Relocation/Designs, Permitting, Traffic Signals, Lighting, Streetscape, and Parking Facilities
- **Water Resource Projects -** Hydraulics/Hydrology Analysis, Master Plans, Watershed Studies, Ordinance/Guidance Manuals, Storm/Sanitary Modeling, Floodplain Mapping, Stream Restoration, Levee Certification and CRS Services
- **Structural Projects -** Design and Rehabilitation of Highway Bridges, Culverts, Retaining Walls, Dams, Levees and Buildings
- **Infrastructure Projects -** Design and Rehabilitation of Sanitary Sewers, Storm Sewers, Water Mains and Pumping Stations
- **Construction-** Construction Management, Bidding Assistance, Construction Layout, Observation, IDOT Documentation and Construction Administration
- **Environmental Projects -** Design and Rehabilitation of Wetland Facilities, Stream Bank Stabilization, Best Management Practices and Natural Area Restoration
- **Surveying and Mapping Projects** - Topographic Surveys, Boundary, Surveys and GIS Services
- **Site Development -** Design and Rehabilitation of Municipal Facilities, Education, Healthcare, Commercial and Residential
- **Recreational Projects -** Riverwalks, Golf Courses, Regional Trails/Paths, Community Parks, Dog Parks, and Sledding Hill

Our Firm Officers Include: Jon Green - President, John Mayer - Vice-President, Jacob Wolf - Principal, and Marty Michaisko - Principal





Office Locations

Chicago
10 S. Riverside Plaza
Suite 875
Chicago, IL 60606
Phone: (312) 474-7841

Champaign
2416 Galen Drive
Champaign, IL 61821
Phone: (217) 351-6268

Warrenville
3s701 West Avenue, Suite 150
Warrenville, IL 60555
Phone: (630) 393-3060

Primary Contact

Marty Michalisko, PE, CFM
Principal/Project Manager
Phone: (630) 393-3060
Fax: (630) 393-2152
MMichalisko@eraconsultants.com

ENGINEERING
RESOURCE ASSOCIATES

Similar Project Experience

ERA provides design and stormwater engineering services to many local communities, counties and agencies similar to the Village of Bensenville including the Village of Schaumburg, Village of Elk Grove Village, Village of Carol Stream, Village of Downers Grove, Village of Lombard, City of Wheaton, City of Warrenville, DuPage County, and the Metropolitan Water Reclamation District of Greater Chicago, just to name a few. We purposely do not do a significant amount of work for IDOT, Tollway, and large developers to avoid conflicts of interest and to concentrate our resources on clients and projects similar to Bensenville's CIP Projects.

ERA also has a strong working relationship with the Village of Bensenville Staff. ERA's team has worked with Village staff over the last several years on a variety of stormwater improvement projects, stormwater reviews, structural inspections, and miscellaneous design projects.

Our company wishes to be considered for the short-list categories of **Design Engineering** and **Stormwater Engineering. Our 1st ranked category being Stormwater Engineering and 2nd being Design Engineering.** On the following set of pages you will find our relevant experience as it pertains to each of these short-list categories and potential projects on your Capital Improvement Plan. We encourage you to contact our references on any of these projects.

ENGINEERING
RESOURCE ASSOCIATES

Project Experience

Project / Client	**Redmond Reservoir Hydrologic/Hydraulic Analysis & Design Projects/ Village of Bensenville, Illinois**
Scope of Work / (Contractor) / Client POC	Redmond Reservoir provides regional stormwater detention for approximately 2,400 acres of tributary area within the Village of Bensenville, City of Wood Dale, Village of Addison, and unincorporated DuPage County. The reservoir provides approximately 800 ac-ft. of storage and is controlled by three pumps which have an approximate total pumping capacity of 135 cfs. The reservoir is the headwaters of Addison Creek which begins at the George Street outlet. ERA provided a **XPSWMM Analysis** of the Redmond Reservoir and its potential role in reducing upstream flooding problems and mitigating for future upstream conveyance improvements. The study identified **20 acre-feet of additional storage** in Redmond can compensate for **$20 Million of future storm sewer improvements** to maintain downstream flood flows and elevations. These storm sewer projects have been identified in the current CIP. ERA is currently designing the Redmond Expansion Project and the first storm sewer project. Both projects are receiving outside funds including **CDBG funds** and **federal disaster funds.** **Innovative Elements:** ERA worked closely with the Village staff to develop an innovative storm sewer solution to negate flood flow and elevation increases north of George Street through an existing apartment complex. The George Street bypass sewer eliminates the need to build significant and expensive detention on private properties. N/A / Joe Caracci, Director of Public Works, (630) 350-3435 and Mehul Patel, PE, Assistant Director of Public Works (630) 594-1196
Project Team	Project Manager: Marty Michalisko, PE, CFM Project Director: John Mayer, PE, CFM Water Resource Engineer: Michael Maslowski, PE, CFM Senior Design Engineer: Brian Dusak, PE Senior Design Engineer: Patrick Keefe, PE Design Engineer: Eric Wilde Ecological Services Director: Erin Pande, PWS, CFM Environmental Engineer: Drew Kustusch, PE, CFM
Construction Cost / Fee / Year	$3.5 Million (est.) / $200,000 / 2014-2017

ENGINEERING
RESOURCE ASSOCIATES

Project Experience

Project / Client	**Stormwater Reviews /** **Various Agencies, Illinois**
Scope of Work / (Contractor) / Client POC	**Village of Bensenville Review Consultant** ERA provides **stormwater, floodplain, wetland and BMP review services** for the Village of Bensenville on an as-requested basis. Review tasks included coordination with the applicant, coordination with Village projects, structural inspections, site inspections, as-built reviews, NPDES assistance, etc. ERA also performed an internal audit of 12 old and open permits from 2001-2008. This task entailed wetland inspection and reports and identification of critical permitting tasks that were never completed by bankrupt developments. **Other Stormwater Review Experience:** • DuPage County Stormwater Permit Reviews and Audits • McHenry County Stormwater and Subdivision Review Consultant • Village of Carol Stream Reviews • City of Wheaton BMP Review Consultants • City of Warrenville Wetland & BMP Review Consultants • City of Naperville Permit Reviews • City of Elgin Reviews • Hanover Park Best Management Practices Reviews • City of Batavia Permit Reviews • Village of Glen Ellyn Permit Review Assistance • Village of Downers Grove Review Assistance **ERA Advantage:** Project Manager, Marty Michalisko, currently serves as president of the DuPage County Municipal Engineers Group which provides the Village an ear to changing policies and regulations that can be very valuable to the review process. / N/A / Mehul Patel, PE, Assistant Director of Public Works (630) 594-1196
Project Team	Project Manager: Marty J. Michalisko, PE, CFM Project Engineer: Michael Maslowski, PE, CFM Ecological Services Director: Erin Pande, PWS, CFM Environmental Engineer: Andrew Kustusch, PE, CFM Staff Engineer: Kristina Kolodziejczyk Project Engineer: Jennifer L. Loewenstein, PE, CFM, CPESC Project Engineer: S.M. “Monica” Hawk, PE, CFM
Construction Cost / Fee / Year	N/A / Varies / 2014-2017

ENGINEERING
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Project Experience

Project / Client	**George Street Culvert Improvements/** **Village of Bensenville, Illinois**
Scope of Work / (Contractor) / Client POC	The Village of Bensenville has experienced frequent and severe flooding upstream and downstream of the George Street reservoir. ERA was hired to complete the replacement of the **dual 36-inch CMP restrictive culverts** under George Street. The project was **funded by Federal CDBG money.** The dual culverts were replaced by an equivalent box culvert with new wing and headwalls. The design had to consider a **future bypass sewer** that is proposed to connect to the center of the culvert and had to consider both an interim and future condition. Redmond Reservoir modeling was used to verify future conditions and to acquire a permit from DuPage County and the Army Corps of Engineers. **ERA Advantage:** The ERA team has completed many culvert and small drainage projects. These projects typically require a delicate balance between stormwater requirements, environmental opportunities, and structural needs to acquire permits, stay within budget and obtain outside funds. The majority of the proposed ERA staff has worked closely together for almost a decade. Out team consistency allows us to be extremely efficient on these small improvements. /Acura, Inc. / Mehul Patel, Assistant Director of Public Works, 630-350-3434
Project Team	Project Manager: Marty Michalisko, PE, CFM Project Director: Jon Green, PE, CFM Water Resource Engineer: Mike Maslowski, PE, CFM Project Engineer: Brian Dusak, PE Senior Structural Engineer: Melissa Lange, PE, SE Project Engineer: Jacob Wolf, PE Environmental Services: Erin Pande, PWS, CFM Design Engineer: Eric Wilde
Construction Cost / Fee / Year	$178,539 / $30,000 / 2016

ENGINEERING
RESOURCE ASSOCIATES

Project Experience

Project / Client	**Gatz Pond Sewer Separation / Village of Lombard, Illinois**
Scope of Work / (Contractor) / Client POC	ERA was retained by the Village of Lombard to design a new 84" storm sewer that would separate a combined sewer system that serviced 450 acres. ERA performed an XPSWMM hydrologic/hydraulic model and discovered that a 60" pipe was adequate saving the Village significant money. ERA then completed design plans, specs, and estimates for **2,200 LF of 60" storm sewer**. The improvements were located within a crowded ROW, which still contained the 72" sanitary sewer. The design included two large junction chambers, two conflict manholes, and a parallel sanitary sewer required to pick up long services. The design included pavement evaluation to determine if it would be cost effective to reconstruct the roads as part of the storm sewer project. This led to the **design of 1,500 LF of reconstructed concrete streets.** **Value Engineering:** ERA performed detailed hydrologic/hydraulic modeling, in an attempt to reduce the 84-inch storm sewer size which was identified in phase I. Through approximately $10,000 in modeling and analysis, ERA optimized the sewer size at 60-inches. This effort allowed the Village to reconstruct 1,500 LF of roadway with the same budget. / Martam Construction / David Gorman, PE, Assistant Director of Public Works, (630) 620-5740
Project Team	Project Manager: Marty Michalisko, PE, CFM Project Director: John Mayer, PE, CFM Water Resource Engineer: Jennifer Loewenstein, PE, CFM, CPESC (Lead) Michael Maslowski, PE, CFM Project Engineer: Brian Dusak, PE Structural Engineer: Melissa Lange, PE, SE Environmental Services: Erin Pande, PWS, CFM Design Engineer: Eric Wilde Survey Lead: Tim Martinek, PLS
Construction Cost / Fee / Year	$2.8 Million / $125,000 / 2016 - 2017

ENGINEERING
RESOURCE ASSOCIATES

Project Experience

Project / Client	**Watershed Modernization Plan and Implementation Projects/ Village of Glencoe, Illinois**
Scope of Work / (Contractor) / Client POC	ERA was retained by the Village of Glencoe for the past 17 years to modernize their village-wide Stormwater Management Plan originally completed in 1989. The updated plan identified recommended improvements to nine drainage basins throughout the village. The Village of Glencoe's conveyance network is complicated due to large diversion culverts, complicated overland flow paths, street flooding, and basement flooding. As a result, ERA used **XPSWMM** and **XPSWMM 2D** to perform the updates. The modernization work included the recommendation of creative cost-effective solutions that have significantly improved flooding problems and water quality within the village. As a result of these recommendations, we have implemented **$20 million of stormwater management projects.** A few of the projects are listed below: • Elm Place Improvements: Phase I, II, III engineering for roadway and storm sewer improvements along 2,800 ft. of residential roadways. $1.5 m • Harbor / Linden Improvements: Phase I, II, III engineering services of 5,000 LF of new storm sewer that reduced flooding by 2.5' in a flood prone neighborhood. $1.7 m • Greenwood / Oakdale Improvements: Final design and construction engineering for 2,700 LF of new storm sewer ranging in size from 12" to 48". $2 m • Palos/Fairview Relief Storm Sewer: Designed and constructed a 36-inch diameter relief sewer. The project included restoration and energy dissipation within a ravine tributary to Lake Michigan. $1.6 m • Terrace Court Basin Improvements: Designed and provided construction services for this 2210 linear feet, 36 inch storm sewer improvement project through a residential subdivision. $1.2 m / David Mau, PE, Director of Public Works, (847) 835-4111
Project Team	Project Manager: Marty Michalisko, PE, CFM Project Director: John Mayer, PE, CFM Senior Project Engineer: Brian Dusak, PE Project Engineer: Jennifer Loewenstein, PE, CFM, CPESC Michael Maslowski, PE, CFM Ecological Services Director: Erin Pande, PWS, CFM GIS Specialist: Cody Frovarp
Construction Cost / Fee / Year	$20 Million / $1.5 Million / 1999-2017

ENGINEERING
RESOURCE ASSOCIATES

Project Experience

Project / Client	**Oak-Illinois-Western Water Main Improvements and Western Avenue Roadway Reconstruction Project / Village of Northbrook, Illinois**
Scope of Work / (Contractor) / Client POC	ERA is providing Phase I, II and III engineering services for the replacement of the water main along Oak Avenue, Illinois Road and Western Avenue in the Village of Northbrook. Work will also include complete reconstruction of approximately 3,100 feet of Western Avenue. Approximately **12,400 feet of new water main** will replace the existing cast iron mains that have an extensive break history. The project corridor is lined with primarily residential properties and is also home to Wescott School on Western Avenue. Detailed construction staging plans were developed for the water main installation along Oak Avenue and Illinois Road so work may be completed in advance of the **Village's MFT resurfacing project** in the same area. In addition to coordination with residents, design and construction will be discussed with District 30 staff in an effort to minimize impacts to the school's schedule and operations. ERA completed detailed construction staging plans and value engineering. / A Lamp Construction/ Martin Sobanski, Project Manager, 847-664-4118
Project Team	Project Manager: Brian Dusak, PE Project Director: John Mayer, PE, CFM Senior Project Engineer: Patrick Keefe, PE Water Resource Engineer: Marty Michalisko, PE, CFM (Lead) Jennifer Loewenstein, PE, CFM, CPESC Project Engineer: Eric Wilde Environmental Services: Erin Pande, PWS, CFM Andrew Kustusch, PE, CFM Resident Engineer: Ravi Patil
Construction Cost / Fee / Year	$5.5 million (est) / $287,623 / 2017-2018

ENGINEERING
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Project Experience

Project / Client	**Water Main Replacement 2015 /** **City of Wheaton, Illinois**
Scope of Work / (Contractor) / Client POC	ERA provided Phase I and II engineering services for **the replacement of over 5,000 feet of existing water mains that serve both residential and commercial properties.** The roadway segments improvements took place under the city, county and state jurisdictions. A large percentage of the existing water main that was replaced was undersized and has exceeded its useful service life. The 12-inch water main on County Farm Road was replaced in kind and the 6-inch water mains on all other streets was replaced with 8-inch diameter water mains. While a majority of the water mains will be installed via open-cut method, some areas will be installed via **Horizontal Directional Drilling (HDD)** to minimize disturbance and disruption to traffic along major transportation corridors. As part of this project, approximately **1,800 feet of a rural section of roadway was reconstructed**. A combination of **storm sewer** and **ditch re-grading** was implemented to alleviate drainage concerns. / (N/A) / Sarang A. Lagvankar, PE, Senior Project Engineer, (630) 260-2067
Project Team	Project Manager: Brian Dusak, PE Project Director: John Mayer, PE, CFM Design Engineer: Eric Wilde Senior CAD Technician Rick Tanner Survey Lead: Tim Martinek, PLS
Construction Cost / Fee / Year	$2.0 Million (est.) / $50,000 / 2014-2016

ENGINEERING
RESOURCE ASSOCIATES

Project Experience

Project / Client	**Forestview Drive/Riverside Parkway Sanitary Sewer and Water Main Extension Projects / City of Warrenville, Illinois**
Scope of Work / (Contractor) / Client POC	ERA provided Phase I, II and III engineering services for the Forestview Drive/ Riverside Parkway sanitary sewer and water main extension project. The project included the design of a **new sanitary sewer system, a lift station and a new water main** for the residents who are presently served by individual wells and septic fields. In order to serve this subdivision, the water main and force main had to be installed beneath the West Branch of the DuPage River. After a geotechnical investigation was performed to identify the depth of bedrock, it was determined the water main and the force main could be placed under the river by the use of **Horizontal Directional Drilling**. As part of the project, the existing pavement was **rehabilitated with a grind and overlay.** The project required a stormwater permit as well as a frac-out plan to be submitted to DuPage County. / R.A. Mancini, Inc./ Philip M. Kuchler, PE, CFM, Public Works Director, (630) 836-3033
Project Team	Project Manager: Brian Dusak, PE Project Director: John Mayer, PE, CFM Project Engineer: Eric Wilde Resident Engineer: Andrew Johnson
Construction Cost / Fee / Year	$1.1 Million / $187,000 / 2014-2015

ENGINEERING
RESOURCE ASSOCIATES

Project Experience

Project / Client	**Old Town Roundabout /** **City of Warrenville, Illinois**
Scope of Work / (Contractor) / Client POC	ERA provided Phase I engineering services for the intersection improvements at Batavia Road and River Road intersecting Warrenville Road. **ERA assisted the City of Warrenville with the successful STP application which received the highest rating of all selected projects.** Coordination was therefore required through IDOT and FHWA due to the award of federal funds. This project was also coordinated with DuPage County's improvements on Warrenville Road at the bridge crossing over the West Branch of the DuPage River. ERA proposed a roundabout intersection configuration for Warrenville Road/Batavia Road and River Road. Phase I engineering included surveying, the preparation of a Preliminary Environmental Site Assessment (PESA) and Project Development Report (PDR). The fully developed Old Town Roundabout Project also includes **street lighting and decorative streetscape elements**. The Phase II engineering is pending. / (N/A)/ Phillip Kuchler, Public Works Director, (630) 836-3033
Project Team	Project Manager: John Mayer, PE, CFM Senior Project Engineer: Brian Dusak, PE Ecological Services Director: Erin Pande, PWS, CFM Environmental Engineer: Drew Kustusch, PE, CFM
Construction Cost / Fee / Year	$3-4 Million (est.) /$66,000 / 2013

ENGINEERING
RESOURCE ASSOCIATES

Project Experience

Project / Client	**West Branch DuPage Regional Trail/** **Forest Preserve District of DuPage County, Illinois**
Scope of Work / (Contractor) / Client POC	ERA worked with the Forest Preserve District of DuPage County (lead agency) and the Village of Winfield to provide Phase I, II and III engineering services for the **design and construction of a 17,500 ft bicycle trail.** The trail connects to the Geneva Spur of the Illinois Prairie Path in the Winfield Mounds Forest Preserve. It traverses through downtown Winfield and the West DuPage Woods Forest Preserve. ERA's services include data collection, wetland delineation, topographic survey, Preliminary Environmental Site Assessment (PESA), drainage studies, hydraulic bridge report, public involvement, preparation of a Project Development Report for CE Group I, permitting, final engineering documents, and construction engineering services. ERA assisted the Forest Preserve in **successfully securing CMAQ and ITEP funding** for this project. Phase II engineering went through the IDOT letting process, and Phase III is following IDOT documentation requirements. / N/A / Kevin Horsfall, Planning Director Resource Management & Development, (630) 933-7242
Project Team	Project Manager: John Mayer, PE, CFM Project Director: Rodney Beadle, PE, CFM Lead Water Resource Engineer: Marty Michalisko, PE, CFM Senior Project Engineer: Brian Dusak, PE Project Engineer: Jennifer Loewenstein, PE, CFM, CPESC Michael Maslowski, PE, CFM Ecological Services Director: Erin Pande, PWS, CFM Environmental Engineer: Andrew Kustusch, PE, CFM
Construction Cost / Fee / Year	$2.6 Million / $212,000 / 2016-2017

ENGINEERING
RESOURCE ASSOCIATES

Project Team

ERA has developed a unique project management approach for each of our projects. Our structure is built around a systematic approach to ensure consistent access, effective communication, and close coordination is maintained between team members, our clients, and project stakeholders. We have assigned specific project managers based on engineering experience and expertise for the short-list categories of Design Engineering and Stormwater Engineering.

Marty Michalisko will be the Project Manager for any projects pertaining to **Stormwater Engineering.** He has a team of stormwater engineers that have a wealth of knowledge on stormwater review, design, analysis and modeling specifically for Bensenville and other similar size communities. The stormwater team has had tremendous success winning grants for local DuPage County municipalities. These include $650,000 in DUPage County Water Quality Grants, $2.5 million in DuPage County Fee-in-Lieu Funds, $250,000 from IDNR/OWR, leveraging $6 million in Transportation Funds, $1.8 million in 319 Funds, and $2.25 million in DuPage Salt Creek Special Condition Funds, amongst others.

Brian Dusak will be the Project Manager for any projects pertaining to **Design Engineering.** He also has a very diverse team of staff with experience performing design engineering services related to roadways, parking lots, paths, storm sewers, water mains, traffic signals, street lighting, streetscapes, and stormwater retention/detention facilities. Our design engineering staff also has had previous experience obtaining and assisting with federal funds such as STP, CMAQ, and CDBG, amongst others. Our team has helped secure almost $10 million in STP Funds in the last 7 years.

ERA also has a diverse range of experience in several supporting categories including structural, environmental, survey, and GIS/Mapping. In this section, we have provided a list of our staff that would pertain to the above mentioned short list categories as well as our relevant support staff. You can find a detailed team chart of how our teams are set up and our key staff qualifications on the following pages.

You can also find a detailed list of funding we have assisted with from 2005 to 2016 on the following page.

Funding Assistance
2005-2016

Year	Amount	Project	Client	HMGP	IDNR-OWR	STP-E	DCEO	CMAQ	EPA 319(h)	DPCWQIP	DPC FILWM	DRSCW	MWRDGC
2016	$ 650,000	Great Western Trail (Old Mill Park to Brickville Rd)	Sycamore Park District			X							
2016	$ 100,000	George Street Culvert	Village of Bensenville	X									
2015	$ 2,250,000	Oak Meadows Golf Preserve	Forest Preserve District of DuPage County									X	
2015	$ 2,603,000	Oak Meadows Golf Preserve	Forest Preserve District of DuPage County								X		
2015	$ 68,357	Rathje Park Improvements	Wheaton Park District							X			
2015	$ 200,000	Terrace Court Storm Sewer Improvements	Village of Glencoe										X
2014	$ 2,200,000	West Branch Regional Trail	Forest Preserve District of DuPage County			X							
2014	$ 250,000	Source-One Building buyout	DuPage County		X								
2014	$ 100,369	Lake Elliot & Winfield Creek Stabilization	Wheaton Park District							X			
2014	$ 48,285	Emerald Green Shoreline Stabilization	Emerald Green Recreation Association							X			
2014	$ 3,000,000	Warrenville Road Bridge	DuPage County DOT			X							
2013	$ 3,000,000	April 2013 Flood Event	Village of Lisle	X									
2013	$ 100,000	West Branch Regional Trail	Forest Preserve District of DuPage County				X						
2013	$ 1,400,000	West Branch DuPage River Remeander	DuPage County						X				
2013	$ 550,000	Old Town Roundabout	Warrenville										
2013	$ 24,774	Four Lakes Bank Stabilization	Four Lakes Homeowners Association							X			
2013	$ 53,342	Duane-Lorraine Parking Improvement Project	Village of Glen Ellyn							X			
2013	$ 72,252	Cosley Zoo & Prairie Avenue Permeable Pavers	Wheaton Park District							X			
2012	$ 744,000	DuPage River Trail	Plainfield Park District			X							
2012	$ 886,000	22nd Street Beautification and Lighting Project	Oak Brook			X							
2010	$ 91,324	Woodside Streambank Stabilization	Cantigny Foundation							X			
2009	$ 1,200,000	DuPage River Trail Stage 1 (2010)	Plainfield Park District			X							

Funding Assistance
2005-2016

2009	$ 60,947	St. George Retail Center Detention Pond Retrofit	Arthur Goldner and Associates, Inc.							X					
2008	$ 56,175	Warrenville Road Permeable Paver Reconstruction	City of Warrenville							X					
2007	$ 280,997	Warrenville Road Permeable Pavers	Warrenville						X						
2006	$ 1,520	487 South Park Boulevard Streambank Stabilization project	Marion Vicicondi (private homeowner in Glen Ellyn)							X					
2005	$ 35,287	Ginger Creek Streambank Stabilization Project	Brook Forest Community Association							X					

Hazard Mitigation Grant Program (HMGP) through IEMA
IDNR-OWR mitigation buyout program
Surface Transportation Program Enhancement (STP-E) funds
Department of Commerce and Economic Opportunity (DCEO) funds
Congestion Mitigation Air Quality (CMAQ) funds
Environmental Protection Agency (EPA) 319h
DuPage County Water Quality Improvement Funds
DuPage County Fee-In-Lieu of Wetland Mitigation Funds (DPC FILWM)
DuPage River Salt Creek Workgroup (DRSCW)
Metropolitan Water Reclamation District (MWRDGC)

ENGINEERING RESOURCE ASSOCIATES

ORGANIZATIONAL CHART

Village of Bensenville

Primary Contact
***Marty Michalisko, PE, CFM**

Environmental Team
***Erin Pande, PWS, CFM**
Ecological Services Director

***Andrew Kustusch, PE, CFM**
Environmental Engineer

Bradley Earnest
Wetland Scientist

Structural Team
Bridges/Structures

***Melissa Lange, PE, SE**
Structural Engineer

Jacob Wolf, PE
Senior Project Engineer

Chris Sedlacko, PE
Project Engineer

Stormwater Team
Drainage Improvements/ Flood Control/Hydraulic Studies

***Marty Michalisko, PE, CFM**
Stormwater Project Manager

***Jennifer Loewenstein, PE, CFM, CPESC**
Senior Project Engineer

***Michael Maslowski, PE, CFM**
Project Engineer

S.M. "Monica" Hawk, PE, CFM
Senior Project Engineer

Molly Garrow
Design Engineer

Cody Frovarp
GIS Specialist

Design Engineering Team
Highways/Utilities/Lighting/ Streetscape Improvements

***Brian Dusak, PE**
Design Engineering Project Manager

***John Mayer, PE, CFM**
Traffic Lighting/Streetscape/ RecreationEngineer

***Patrick Keefe, PE**
Senior Project Engineer

***Eric Wilde**
Design Engineer

Rick Tanner
Senior CAD Technician

Survey/Mapping Team
***Tim Martinek, PLS**
Survey Lead

Cody Frovarp
GIS Specialist

Blair Woodbury
Survey Crew Chief

Rick Costa
Surveyor

* Resumes Included

ENGINEERING RESOURCE ASSOCIATES

Project Team

Name/Registration/ Title	Years of Exp./@ Firm	Municipal Project Experience
Marty Michalisko/ PE, IL – 062-058762 CFM/ Stormwater Project Manager	17/17	Marty serves Project Manager for drainage, stormwater, hydraulic, and water resource assignments. He also serves as Lead Water Resource Engineer for the stormwater management aspects of roadway and infrastructure projects. He has a strong familiarity with the Village of Bensenville, DuPage County, MWRDGC, IDNR, USACE, and FEMA permitting requirements. He is proficient in numerous modeling programs including HEC-2, HEC-RAS, FEQ, HEC-1, HEC-HMS, PCSWMM, XPSWMM, and HY-8. Marty serves as chair of the DuPage County Municipal Engineers Group, past president of Suburban Branch APWA, and currently serving on the membership committee for Chicago Metro Chapter APWA. Recent roadway and infrastructure stormwater assignments have included: • Redmond Reservoir Hydrologic/Hydraulic Analysis, Bensenville (2014) • Stormwater Reviews, Bensenville and Various Agencies (2000-2017) • George Street Bypass Storm Sewer Project, Bensenville (2017-2018) • George Street Culvert Improvements, Bensenville (2016) • City of Wheaton Flood Studies (2016-2018) • Redmond Reservoir Expansion (2017-2018) • Glencoe Modernization Plan (2000-2017) • Downers Grove Stormwater Implementation Projects (2007-2017) • Gatz Pond Sewer Separation, Lombard (2016-2017) • Terrace Court Storm Sewer Improvements, Glencoe (2017)

ENGINEERING RESOURCE ASSOCIATES

Project Team

Name/Registration/ Title	Years of Exp./@ Firm	Municipal Project Experience
Jennifer Loewenstein/ PE, IL – 062-062192 CFM, CPESC/ Senior Project Engineer	13/9	Jennifer serves as a Senior Project Engineer responsible for analysis and design of stormwater management improvements, including roadway and infrastructure project assignments. She is experienced with various permitting requirements for federal, state, county, and local programs. She also has a strong background in stormwater modeling including HEC programs, FEQ, and XPSWMM. Jennifer serves on the Governmental Affairs Committee for the IAFSM and the Adhoc DuPage County Hydraulic Modeling Group. Recent stormwater assignments have included: • Drainage Area Study, Downers Grove (2017) • Lake Ellyn Master Plan, Glen Ellyn (2013-2015) • Chase Avenue Storm Sewer Design, Glen Ellyn (2017) • 2013 Lisle Flood Assistance and HMGP Grant Application, Lisle (2013) • West Branch Restoration, DuPage County (2012-2015) • Emergency Flood Response, Downers Grove (2013)

ENGINEERING RESOURCE ASSOCIATES

Project Team

Name/Registration/ Title	Years of Exp./@ Firm	Municipal Project Experience
Michael Maslowski/ PE, IL – 062-066548, CFM / Project Engineer	8/7	Michael is a Project Engineer for transportation, infrastructure, and drainage projects. He is very familiar with stormwater ordinances in Northeast Illinois. He has extensive knowledge and experience with hydrologic and hydraulic modeling programs including HEC programs, FEQ, and XPSWMM. Mike is the Lead Plan Review Engineer for several DuPage County municipalities including Bensenville, Downers Grove and Carol Stream. Recent specialty assignments have included: • Redmond Reservoir Hydrologic/Hydraulic Analysis, Bensenville (2014) • Stormwater Reviews, Bensenville and Various Agencies • Oak-Illinois-Western Water Main Improvements and Western Avenue Roadway Reconstruction Project, Northbrook (2017-18) • Gatz Pond Sewer Separation, Lombard (2016-2017) • Forestview Drive/Riverside Parkway Sanitary Sewer and Water Main Extension Projects, Warrenville (2015) • Madison Street STP Improvements and Garfield Street LAFO Projects, Burr Ridge (2013, 2016) • Terrace Court Storm Sewer Improvements, Glencoe (2017)
S.M. “Monica” Hawk, PE, CFM, IL – 062-059939 Senior Project Engineer	15/9	Monica is a Senior Project Engineer on the Stormwater Team. Using her County familiarity, she will assist with stormwater permitting and reviews. Through her work with collar county agencies she became familiar with state and federal permit engineers at the EPA, Army Corps, and Soil and Water Conservation Districts. Recent stormwater assignments have included: • Kane County Stormwater and Building Permit Review, Kane County Water Resources Division, Geneva • McHenry County Stormwater and Building Permit Review, McHenry County Department of Planning & Development, Woodstock

ENGINEERING RESOURCE ASSOCIATES

Project Team

Name/Registration/ Title	Years of Exp./@ Firm	Municipal Project Experience
Brian Dusak/ PE, IL – 062-062144 / Design Engineering Project Manager	15/15	Brian serves as the Design Engineering Project Manager on all design and construction phase activities for roadway and infrastructure projects. He has extensive experience with IDOT and District 1 procedures and requirements and federally funded programs including STP, ITEP, CMAQ, ARRA, and others, including IDOT administered projects in Elk Grove Village, Northbrook, Oak Park, Glen Ellyn, Warrenville and Burr Ridge. Recent roadway and infrastructure design engineering assignments have included: • George Street Culvert Improvements, Bensenville (2016) • Oak-Illinois-Western Water Main Improvements and Western Avenue Roadway Reconstruction Project, Northbrook (2017-2018) • Water Main Replacement, Wheaton (2015) • Gatz Pond Sewer Separation, Lombard (2016-2017) • Forestview Drive/Riverside Parkway Sanitary Sewer and Water Main Extension Projects, Warrenville (2015) • Madison Street STP Improvements and Garfield Street LAFO Projects, Burr Ridge (2013, 2016) • Water Main Replacement 2015, Wheaton (2016) • Terrace Court Storm Sewer Improvements, Glencoe (2017)

ENGINEERING RESOURCE ASSOCIATES

Project Team

Name/Registration/ Title	Years of Exp./@ Firm	Municipal Project Experience
John F. Mayer/ PE, IL – 062-047345 PE, IN – PE10708044 PE, WI – E2728 CFM/ Traffic Lighting /Streetscape/Recreation Engineer	30/19	John serves as a Traffic Lighting/Streetscape/Recreation Engineer for the design and construction of specialty projects including streetscape, lighting, traffic signal, recreational trail, and environmental assignments for local, county, and state agencies. He will act as a Team Leader and Project Engineer for the Village of Bensenville's specialty assignments, in support of the Project Manager. Depending on the assignment, for instance, a decorative lighting project, John may also serve as Project Manager. He also has extensive experience with various funding sources including ARRA, ITEP, SAFETEA-LU, CMAQ, STP, and OSLAD programs. Recent specialty assignments have included: • Old Town Roundabout, City of Warrenville (2013) • West Branch DuPage Regional Trail, Forest Preserve District of DuPage County (2016) • Brink Street Parking Lot Improvements, Crystal Lake (2014-2015) • 22nd Street Roadway, Streetscape and Lighting Improvements, Oak Brook (2016) • Parking Lots Pavement Resurfacing, Phase I, II and III Engineering Project, McHenry County Government Center (2017) • Roosevelt Road Streetscape, Lighting and Traffic Signal Modifications, Glen Ellyn (2013) • Butterfield Road (IL Route 56) Streetscape Enhancement and Lighting Project, Warrenville (2016) • Mack Road Bridge Widening and Rehabilitation, Warrenville (2017) • Great Western Trail Extension Plan Study, Sycamore Park District (2018) • Great Western Trail Extension Phase I/II Engineering, Sycamore Park District (on-going)

ENGINEERING RESOURCE ASSOCIATES

Project Team

Name/Registration/ Title	Years of Exp./@ Firm	Municipal Project Experience
Patrick Keefe PE, IL -062-055351, Senior Project Engineer	25/1	Patrick serves as a Senior Project Engineer for the Design Engineering Team. He will oversee the actions of all members of the Design Engineering Team and report back to the Project Manager with any issues that arise during the project. Patrick has over 25 years of experience in civil engineering and has served in a senior project engineer role on several similar assignments for clients throughout northeastern Illinois. Patrick has vast experience and will serve the team as our Quality Assurance Review Engineer. Recent design engineering assignments have included: • East New York Street (FAU Route 1522), City of Aurora • CH 17/Maple Avenue over East Branch of DuPage River, DuPage County Division of Transportation • Randall Road/Fabyan Parkway Intersection Widening, Kane County Division of Transportation • FAU Route 2666 (Buffalo Grove Road) over Indian Creek – Bridge Rehabilitation, Lake County Division of Transportation

ENGINEERING
RESOURCE ASSOCIATES

Project Team

Name/Registration/ Title	Years of Exp./@ Firm	Municipal Project Experience
Eric Wilde / Design Engineer	2/2	Eric is a Design Engineer. He will work under the direct supervision of the Project Manager and Senior Project Engineer and report back with any issues that arise during the project. Eric will be responsible for calculating quantities, plan preparation, and preparing specifications to be reviewed and improved upon by the Design Team Leader. Eric served successfully in this role for recent Village of Bensenville projects. He is an excellent communicator and is in charge of utility coordination on design jobs. Recent roadway and infrastructure assignments have included: • George Street Culvert Improvements, Bensenville (2016) • Gatz Pond Sewer Separation, Lombard (2016-2017) • Oak-Illinois-Western Water Main Improvements and Western Avenue Roadway Reconstruction Project, Northbrook (2017-2018)) • Water Main Replacement 2015, Wheaton (2016) • Terrace Court Improvements, Glencoe (2017) • Water Main Improvements, Village of Elk Grove (2017-2018)

ENGINEERING RESOURCE ASSOCIATES

Project Team

Name/Registration/ Title	Years of Exp./@ Firm	Municipal Project Experience
Erin Pande, PWS, IL – 1927, CFM /Ecological Services Director	16/13	Erin is an Ecological Services Director for the environmental aspects of roadway and infrastructure assignments. She supports other team leaders, the Senior Project Engineers and Project Manager by reviewing environmental permitting requirements and identifying opportunities to introduce green elements into projects. She also has strong experience with wetland design, streambank stabilization, natural area restoration, and water quality enhancements. She is an active member of American Public Works Association Lake Branch, the DuPage River Salt Creek Work Group, and the Illinois Association of Floodplain and Stormwater Management group. She served as a primary author of the new MWRDGC/Cook County Watershed Ordinance and Technical Guidance Manual and the DuPage County BMP Guidance Manual. Recent assignments have included: • Klein Creek Master Watershed Plan and Streambank Stabilization, Carol Stream (2016) • Wetland Review Services, Various Clients • Oak Meadows Golf Course Preserve Master Plan, Addison /Wooddale (2017) • Redmond Reservoir Hydrologic/Hydraulic Analysis, Bensenville (2014) • West Branch River Restoration/Hydraulic Improvements and Watershed Plan, Warrenville (2010-2014)

ENGINEERING RESOURCE ASSOCIATES

Project Team

Name/Registration/ Title	Years of Exp./@ Firm	Municipal Project Experience
Andrew Kustusch, PE – IL 062-067858, CFM / Environmental Engineer	5/5	Andrew is an Environmental Engineer for a wide variety of assignments including roadway and infrastructure projects. His primary tasks include environmental research, permitting, modeling, reviewing, and wetland delineation assistance and reporting. He is an active member of American Public Works Association Suburban Branch, the DuPage River Salt Creek Work Group, and the Illinois Association of Floodplain and Stormwater Management group. He also has a significant amount of experience in design for bike paths, other recreational trails, and parking lots. Some recent experience includes: • Stormwater/Wetland Review Consultant, Various Clients • Klein Creek Master Watershed Plan and Streambank Stabilization, Carol Stream (2016) • Brink Street Parking Lot Improvements, Crystal Lake (2014-2015) • Cosley Zoo Parking Lot Improvements, Wheaton Park District (2014) • West Branch Regional Trail, West Chicago/Winfield (2013) • West Branch Regional Trail Connection to Mack Road Bike Path, Warrenville, IL (2017)

ENGINEERING RESOURCE ASSOCIATES

Project Team

Name/Registration/ Title	Years of Exp./@ Firm	Municipal Project Experience
Melissa Lange, PE, SE, IL PE- 062-056181, IL SE-081-006488 Lead Structural Engineer	19/1	Melissa Lange, PE, SE, is a Structural Engineer with 19 years of professional experience. Her experience includes Phase I and II design of highway bridges, pedestrian bridges, box culverts and retaining wall projects for municipalities, county highway departments and state agencies throughout Illinois. She has direct responsibility for the preparation of Bridge Condition Reports (BCR), Type, Size, and Location (TS&L) drawings, cost estimates, specifications and final construction documents for structural projects. Recent structural assignments have included: • Bliss Road Culvert Replacement, Kane County (2016-2018) • Moraine Hills State Park Dam Replacement, CDB (2017-2019) • Gatz Pond Sewer Separation, Lombard (2016-2017) • George Street Bypass Sewer, Bensenville (2017) • Springinsguth Culvert Replacement, Schaumburg (2017-2018) • Mack Road Trail Project, Warrenville (2017-2018) • Sycamore Trail Western Extension, Sycamore PD (2017-2018)
Jake Wolf/ PE-IL 062-055444 PE-TN 110060	20/20	Jake will serve as a Senior Project Engineer on the Structural Engineering Team for the Village of Bensenville. He possesses 20 years of professional experience as a Project Manager and Engineer bringing unique knowledge and innovative concepts and solutions to his assignments. His portfolio includes a wide range of roadway and infrastructure design projects, and structural design and inspection for municipalities, county highway departments, and state agencies throughout Illinois. Jake has assisted with structural related design engineering and inspection services for some of our clients that are local to our Warrenville office including the City of Naperville, City of Joliet, City of Warrenville, Village of Carol Stream, and McHenry County.

ENGINEERING RESOURCE ASSOCIATES

Project Team

Name/Registration/ Title	Years of Exp./@ Firm	Municipal Project Experience
Chris Sedlacko/ PE – IL 062-069911 /Project Engineer	4/4	Chris is a design engineer and structural inspector. His portfolio includes a wide range of transportation design projects, and structural design and inspection projects. Chris has had direct responsibility for plan preparation, quantity calculations and preparing project specifications. He is also a IDOT qualified Resident Engineer to assist in the field as project workload dictates. He has been responsible for observing and documenting construction activities. Recent structural assignments have included: • Gatz Pond Sewer Separation, Lombard (2016-2017) • Salt Kettle Rest Area Septic System, CDB (2016-2017) • Sycamore Golf Course Bridge Replacements, Sycamore PD (2017-2018) • Bliss Road Culvert Replacement, Kane County (2016-2018) • Wheaton Headwall Replacement, City of Wheaton (2017)
Timothy Martinek, PLS – IL 035-003782 Survey Lead	16/1	Tim serves as the Survey Lead responsible for surveying services including route, topographic and land surveys. He directs preparation of base plans and plats including Plats of Highway. He has a strong knowledge of IDOT survey and platting requirements through experience on projects involving easement and right of way acquisitions.
Cody Frovarp GIS Specialist	3/3	Cody Frovarp serves as a GIS/Mapping Specialist. His primary tasks include GIS mapping and analysis, for local municipalities. He has performed similar tasks for clients such as the Village of Bensenville, Village of Northbrook, Village of Downers Grove and the Metropolitan Water Reclamation District of Greater Chicago.
Richard Tanner/ Senior CAD Technician	38/27	Richard serves as a CADD/GIS Team Senior Engineering Technician for the design and construction of transportation and infrastructure projects. He has a strong familiarity with AutoCAD, Civil 3D, ARCGIS and MicroStation platforms. He has also served as a Resident Inspector and Surveyor.

ENGINEERING RESOURCE ASSOCIATES

Project Team

Name/Registration/ Title	Years of Exp./@ Firm	Municipal Project Experience
Blair Woodbury/ Survey Crew Chief	14/2	Blair is a Survey Crew chief for highway, topographic, and land surveys. He is familiar with total stations, data collectors, and GPS survey equipment.
Richard Costa/ Surveyor	10/7	Richard is a Field Surveyor for highway, topographic, and land surveys. He is familiar with total stations, data collectors, and GPS survey equipment.

ENGINEERING
RESOURCE ASSOCIATES

Marty Michalisko, PE, CFM

Stormwater Project Manager/Principal

Project Experience:

Redmond Reservoir Hydrologic/Hydraulic Analysis, Bensenville, IL – Project Manager leading the analysis of a 2,400-acre watershed tributary to Redmond Reservoir using XPSWMM. Redmond provides 800 AC-FT of regional detention and is controlled by three pumps with a total pumping capacity of 135 CFS. The study identified 20 million dollars of storm sewer improvement projects and additional storage capacity in Redmond to provide a 100-year level of protection. Through detailed modeling and multiple iterations, it was demonstrated that only an additional 20 AC-FT of storage was required to mitigate for all the proposed conveyance improvements.

Stormwater Watershed Modernization Plan, Glencoe, IL – Project Manager supervising all phases of several stormwater management projects within the Village. Projects included the modernization of the village's stormwater master plan, recommendations of conveyance improvements to nine drainage basins, and final design of nine drainage basin improvement projects. Tasks included field hydraulic surveys, extensive hydrologic and hydraulic modeling using XPSWMM and XPSWMM 2D, alternatives analysis, preliminary design, final design, cost estimating, report preparation and construction administration. The modernization work included the recommendation of creative cost-effective solutions that have significantly improved flooding problems and water quality within the village. As a result of these recommendations, we implemented $20 million of storm sewer improvements over 10 years.

George Street Culvert Replacement, Bensenville, IL - Project Manager to replace dual 36-inch CMP restrictive culverts under George Street. The project was 80% funded by Federal CDBG money. The dual culverts were replaced by an equivalent box culvert with new wing and headwalls. The design had to consider a future bypass sewer that is proposed to connect to the center of the culvert. The design had to consider both an interim and future condition.

Village of Bensenville Review Consultants, Bensenville, IL – Marty is part of a team that provides stormwater, floodplain, wetland and BMP review services for the Village on an as-requested basis. Marty managed the team in performing an internal audit of 12 old and open permits from 2001-2008. This entailed wetland inspection and reports and identification of critical permitting tasks that were never completed by bankrupt developments.

Stormwater Master Plan and Implementation Projects, Downers Grove, IL – Project Manager analyzed the 2,300-acre St. Joseph Creek South Watershed. The watershed was divided into 10 drainage basins in which flooding problems were identified and categorized based on their frequency and severity. This analysis utilized GIS technology and XPSWMM hydrologic/hydraulic modeling. The study has led to multiple design and construction projects including the design of 2,000 linear feet of a new 48" storm sewer system, 10-acre foot flood control facility, stream bank reconstruction and stabilization, and eight private property sewer improvements.



Education/Certifications:

- Bachelor of Science
  Civil Engineering
  University of Iowa – 2000
- Surveying Curriculum
  Southern Illinois University
  (Off-Campus) – 2006-2008
- PE – IL – 062-058762
- CFM – IL – 06-00260
- Kane County Qualified Review Specialist – E-221

Areas of Expertise:

- Stormwater/floodplain modeling
- Design of flood control facilities including storm sewer, storage facilities, culverts, channel improvements.
- HEC-2, HEC-RAS, FEQ, HEC-1, HEC-HMS, TR-20, Hydra, SWMM, PCSWMM, XPSWMM, HY-8, Pond Pack, Hydraflow, Optimizer
- Drainage investigations of flood prone areas and providing practical and cost-effective solutions
- Permitting process of federal, state, and local permitting agencies

Years of Experience:

- 17 years, 17 with ERA

ENGINEERING
RESOURCE ASSOCIATES

Marty Michalisko, PE, CFM

Stormwater Project Manager/Principal

Project Experience Continued:

Terrace Court Improvements, Glencoe, IL – Project Manager leading a team of engineers to implement this storm sewer improvement project that was identified in a Phase I study. Storm sewer improvements consisted of 2210 linear feet of 12"-36" diameter RCP pipe of which two locations were installed through side and rear yards of local residential properties. A 24-inch sewer was jacked through private properties to avoid fences, sheds, trees, playsets, etc. ERA assisted in securing easements and prepared all plat work necessary to acquire easements. The project secured a funding partner with MWRD which required a reduction in anticipated pollutants through a hydrodynamic vortex separator. ERA also provided full time construction management services.

Weathersfield Way/Braintree Drive Storm Sewer Rehabilitation Project, Schaumburg, IL - Project Manager leading the analysis of an approximate 600-acre watershed using XPSWMM modeling. The purpose of the study was to analyze several bypass storm sewer alternatives in order to minimize flooding at a major residential intersection. Several routing options and sewer sizes were analyzed to determine the most cost effective options. A high priority of the study was to reduce flows to existing storm sewers within side and rear yards of mature residential properties. Sewers in these areas are difficult to maintain due to impacts to mature trees, fences and landscaping. Trenchless technologies were explored to minimize private property impacts.

Theda Lane Improvements, Rolling Meadows, IL - Project Manager for this storm sewer and flood control facility design. The City of Rolling Meadows was experiencing poor drainage in the residential area near South Park along Theda Lane. The City completed a Phase I study of the area and identified that 500-feet of storm sewer improvements and a 0.4 acre-feet detention basin located within South Park would reduce flooding during the 10-year storm event. The City partnered with the Salt Creek Park District to construct these improvements under the same contract as the planned park improvements. ERA worked with both the City and Park District to design a flood control basin that served both the city needs and the district's park improvement goals. The design included a unique control structure that balanced flows between the existing sewer system and proposed detention pond to ensure neither system was overwhelmed. The flood control facility was designed to provide a water quality benefits.

Phase I / II Stormwater Implementation Projects FY 2012-2014, **Northbrook, IL** – Lead Water Resource Engineer for the implemented measures to address chronic village-wide flooding problems identified in the Village of Northbrook's Master Stormwater Management Plan. The team addressed high priority flooding in five project areas. Marty led the Water Resource Engineers that utilized XPSWMM to analyze each area and develop adequate solutions for desired levels of flood protection. The Sunny Acres Project included 1,500 feet of 36 inch storm sewer and implementation of a 1.5 acre feet detention facility.

Special Training:

- IDOT Construction Documentation and Highway Engineering Principles
- Haestad Methods Floodplain Mapping Design and Modeling
- ASCE Sponsored FEQ Modeling Course
- Optimizer Training Course

Professional Experience:

- Engineering Resource Associates Project Manager/Project Engineer (1999-Present)
- Village of Carol Stream Engineering Intern (1998)

Professional Affiliations:

- American Public Works Association Chicago Metro Chapter, Co-Chair Membership Committee, APWA Suburban Branch Past-President
- Illinois Association of Floodplain and Stormwater Management
- DuPage River Salt Creek Workgroup
- Chairman of DuPage County's Municipal Engineer Stormwater Management Group

ENGINEERING
RESOURCE ASSOCIATES

Jennifer Loewenstein, PE, CFM, CPESC

Senior Project Engineer

Project Experience:

Stormwater Master Plan and Implementation Projects, Downers Grove, IL – Lead Water Resource Engineer provided the analysis of the 2,300-acre St. Joseph Creek South Watershed. The watershed was divided into 10 drainage basins in which flooding problems were identified and categorized based on their frequency and severity. This analysis utilized GIS technology and XPSWMM hydrologic/hydraulic modeling. The study led to multiple design and construction projects, including new storm sewer, property buyouts, detention basins, water quality basins, ditch and culvert system improvements, etc.

Stormwater Watershed Modernization Plan, Glencoe, IL - Senior Water Resource Engineer for all phases of several stormwater management projects within the Village of Glencoe. Projects included the modernization of the village's stormwater master plan, recommendations of conveyance improvements to nine drainage basins, and final design of six drainage basin improvement projects. Tasks included field hydraulic surveys, extensive hydrologic and hydraulic modeling using XPSWMM and XPSWMM 2D, alternatives analysis, preliminary design, cost estimating, and report preparation. The modernization work included the recommendation of creative cost-effective solutions that have significantly improved flooding problems and water quality within the village.

McCollum Park Storm Sewer Relief Design, **Downers Grove, IL** – Project Engineer used the hydraulic modeling program, XPSWMM, determined the parameters for an emergency stormwater facility located in McCollum Park that provided flood relief to residents upstream during the 10-year design storm event. The project included the design of a unique control structure to minimize the inundation frequency of soccer fields.

2013 Lisle Emergency Flood Assistance & HMGP Grant Application, Lisle, IL – Water Resource Engineer provided Emergency Flood assistance following the April 2013 flood event. The project tasks included reconnaissance of flood damaged area and subsequent application for HMGP funding. Participated in public meetings, prepared cost benefit analysis, and completed data for entry into the federal e-grants to acquire mitigation funds. The Village was awarded $3 Million in HMGP grant funds.

St. Joseph Creek Sub-Watershed J Storage, Downers Grove, IL – Senior Project Engineer completed the stormwater analysis of sub-watershed J for the construction of a flood control facility and storm sewer to increase the level of flood protection and to mitigate increases in downstream flow rates. An unsteady dynamic model was created using XPSWMM to develop eight (8) alternative designs. Comparison of cost and level of flood protection between the alternative designs was presented in a final report.



Education/Certifications:

- Bachelor of Science
  Civil Engineering
  Valparaiso University – 2004
- PE – IL – 062-062192
- CFM – IL – 08-00448
- Certified Professional in Erosion and Sediment Control #4506
- Kane County Qualified Review Specialist – E-222

Areas of Expertise:

- Federal, State and Local Permitting
- Stormwater Master Plans
- Flood Control Projects
- Stormwater and floodplain modeling experience in many computer programs including FEQ, FEQUTL, WSPRO, HEC-2, HEC-RAS, WSP2, TR-20, WinTR-20, Pond Pack, XPSWMM, Hydraflow, Optimizer and HY-8

Years of Experience:

- 13 years, 9 with ERA

ENGINEERING
RESOURCE ASSOCIATES

Jennifer Loewenstein, PE, CFM, CPESC

Senior Project Engineer

Project Experience Continued:

Lake Ellyn Master Plan, Glen Ellyn, IL – Jenny was the Senior Water Resource Engineer for the stormwater master plan for the Village to address the frequent overtopping and flooding of the Lake Ellyn Dam. Master Plan included a phased construction schedule to address various flooding issues to systematically increase the level of flood protection for the dam itself, downstream residents, school district, park district and public roads.

West Branch River Restoration/Hydraulic Improvements and Watershed Plan, Warrenville, IL – Senior Water Resource Engineer for the 5,750-foot river restoration project between Ferry Road and Warrenville Grove Dam. The watershed area is approximately 100 square miles. Project included stormwater modeling, a bridge analysis, and river restoration. He oversaw efforts to determine the severity and solutions to flooding within the West Branch of the DuPage River Watershed. FEQ hydrologic / hydraulic modeling was used to identify flooding problems and solutions. ERA assisted in securing $1.4 million in EPA 319h funds. Required permits included USACE, DuPage County, City of Warrenville, IDNR-OWR, IEPA, Kane - DuPage SWCD and IHPA.

Taylor Basin Drainage Study, Glen Ellyn, IL – Senior Water Resource Engineer responsible for the hydrologic and hydraulic analysis of a 400-acre watershed tributary to the East Branch DuPage River in Glen Ellyn. The study identifies storm sewer system shortcomings and proposes improvements for consideration with future road reconstruction projects. The study also provided residents education on neighborhood drainage issues and property protection. GIS and XPSWMM were used for the analysis and exhibits.

Glen Ellyn Road Underpass and Relief Sewer, DuPage County Division of Transportation, IL – Lead Water Resource Engineer that designed a stormwater solution to the chronic flooding experienced under the CN railroad viaduct along Glen Ellyn Road. The hydrologic and hydraulic modeling program XPSWMM was used to design the improvements. Permit was obtained by DuPage County and construction of the proposed improvements was completed in 2013.

City of Kenosha Stormwater System Analysis, Kenosha, WI – Senior Water Resource Engineer for the development of a Stormwater Master Plan for the 24 square mile (15,400 acres) urban and rural watershed located in the City of Kenosha. Project included developing an existing stormwater model for the entire watershed utilizing GIS data provided by the city for pipe size and location. The stormwater model was developed using XPSWMM with 2D capabilities. The existing analysis identified quantitatively the areas of flooding that required proposed alternatives to reduce the depth and frequency of flooding that could be included in Kenosha's 5-Year Capital Improvement Plan.

Professional Experience:

- Engineering Resource Associates
  Lead Water Resource Engineer
  (2008-Present)
- Taurus Engineering, LLC
  Design Engineer, (2004-2008)

Professional Affiliations:

- Illinois Association for Floodplain and Stormwater Management (IAFSM)
- Society of Women Engineers (SWE)

ENGINEERING
RESOURCE ASSOCIATES

Michael Maslowski, PE, CFM

Project Engineer



Project Experience:

Village of Bensenville Review Consultants, Bensenville, IL – Mike was the Review Engineer for stormwater, floodplain, wetland and BMP review services for the Village of Bensenville on an as-requested basis. He provided professional assistance to the Village to explain how 2012 revisions to the Countywide Ordinance impact new developments.

Redmond Reservoir Hydrologic/Hydraulic Analysis, Bensenville, IL –Water Resource Engineer for the analysis of a 2,400-acre watershed tributary to Redmond Reservoir using XPSWMM. Redmond provides 800 AC-FT of regional detention and is controlled by three pumps with a total pumping capacity of 135 CFS. The study identified 20 million dollars of storm sewer improvement projects and additional storage capacity in Redmond to provide a 100-year level of protection. Through detailed modeling and multiple iterations, it was demonstrated that only an additional 20 AC-FT of storage was required to mitigate for all the proposed conveyance improvements.

Madison Street and Garfield Street LAPP (LAFO) Projects, Burr Ridge, IL – Project Engineer for Phase I and Phase II engineering services including route survey, preparation of plans, specifications and estimates and other bid documents. The project includes 11,000 feet of hot-mix asphalt resurfacing, pavement widening, installation of curb and gutter, storm sewer, and verifying ADA compliance throughout this corridor. Extensive coordination with IDOT and FHWA is required for these federally-funded STP projects.

Stormwater Watershed Modernization Plan, Glencoe, IL – Water Resource Engineer worked on all phases of several stormwater management projects within the Village of Glencoe. Projects included the modernization of the village's stormwater master plan, recommendations of conveyance improvements to nine drainage basins, and final design of six drainage basin improvement projects. Tasks included field hydraulic surveys, extensive hydrologic and hydraulic modeling using XPSWMM and XPSWMM 2D, alternatives analysis, preliminary design, cost estimating, and report preparation. The modernization work included the recommendation of creative cost-effective solutions that have significantly improved flooding problems and water quality within the village.

Stormwater Master Plan and Implementation Projects, Downers Grove, IL – Water Resource Engineer involved in analyzing the 2,300-acre St. Joseph Creek South Watershed. The watershed was divided into 10 drainage basins in which flooding problems were identified and categorized based on their frequency and severity. This analysis utilized GIS technology and XPSWMM hydrologic/hydraulic modeling. The study has led to multiple design and construction projects including the design of 2,000 linear feet of a new 48" storm sewer system, 10-acre foot flood control facility, stream bank reconstruction and stabilization, and eight private property sewer improvements.

Education/Certifications:

- Bachelor of Science
  Civil Engineering
  University of Notre Dame–2009
- PE - IL – 062-066548
- CFM – IL – 13-00640
- IDOT, Documentation of Contract Quantities April 2012 (12-0521)

Areas of Expertise:

- Stormwater/floodplain modeling
- HEC-2, HEC-RAS, FEQ, HEC-1, HEC-HMS, TR-20, Hydra, SWMM, PCSWMM, XPSWMM, HY-8, Pond Pack and Hydraflow
- Drainage investigations of flood prone areas and providing practical and cost-effective solutions
- Field documentation in accordance with IDOT procedures using ICORS
- Permitting process of federal, state, and local permitting agencies

Years of Experience:

- 8 years, 7 with ERA

ENGINEERING
RESOURCE ASSOCIATES

Michael Maslowski, PE, CFM

Project Engineer

Project Experience Continued:

Phase I / II Stormwater Implementation Projects FY 2012-2014, Northbrook, IL – Water Resource Engineer for the implemented measures to address chronic village-wide flooding problems identified in the Village of Northbrook's Master Stormwater Management Plan. The team addressed high priority flooding in five project areas. Mike utilized XPSWMM to verify each area and develop adequate solutions for desired levels of flood protection. The Sunny Acres and Western/Oak projects were managed by the Water Resource Group as they involved detailed modeling and analysis. Through his verification XPSWMM 2D modeling for Western/Oak, Mike saved the Village 2 million dollars of storm sewer work that did not provide the stated benefit.

Royal St. George Culvert Maintenance Project, Naperville, IL – Project Engineer for the Phase I and II services for the maintenance of twin 6' diameter corrugated metal pipes under Royal St. George Street, a collector street in Naperville serving both residential and commercial properties. Phase I required the development of a Maintenance Option Evaluation Report which consisted of comparing various alternatives such as lining, replacement with RCP pipe or replacing with an equivalent sized box culvert. The report included estimated costs, permitting requirements, time to permit and construction requirements. The project was permitted and contract documents were developed. The project was fast-tracked so improvements could be completed prior to a scheduled resurfacing project.

Bliss Road Culvert, Kane County IL – Project Engineer for the Phase I and Phase II engineering for the replacement of the restrictive culvert on Bliss road servicing Lake Run creek. The existing culvert was significantly undersized and flood events have caused 12 inches of scour on the upstream side, erosion of the end section and embankments on the downstream side. The new culvert project improves the hydraulic efficiency, fixes the upstream scour and downstream streambank erosion.

Elm Place Improvements, Glencoe, IL – Project Engineer for Phase I and II engineering services for roadway and storm sewer improvements along 2,800 ft. of residential roadways extending from Elm Place to the East Diversion Ditch. The project was constructed to alleviate chronic flooding problems in the area.

Terrace Court Basin Improvements, Glencoe, IL - Project Engineer for implementing this storm sewer improvement project that was identified in a Phase I study. Storm sewer improvements consisted of 2210 linear feet of 12"-36" diameter RCP pipe of which two locations were installed through side and rear yards of residents. A 24 inch sewer was jacked through private properties to avoid fences, sheds, playsets, etc. ERA assisted in securing easements and prepared all plat work necessary to acquire easments. The project secured a funding partner with MWRD which required a reduction in anticipated pollutants through a hydrodynamic vortex separator.

Professional Experience:

- Engineering Resource Associates Project Engineer / Engineering Intern (2010-Present)
- Village of Carol Stream Engineering Intern (2009-2010)

ENGINEERING
RESOURCE ASSOCIATES

Brian Dusak, PE

Design Engineering Project Manager



Project Experience:

Forestview Drive/Riverside Parkway Sanitary Sewer and Water Main Extension Project, Warrenville, IL – Project Manager provided Phase I, II and III engineering services for the Forestview Drive/ Riverside Parkway sanitary sewer and water main extension project. The project included the design of a new sanitary sewer system, a lift station and a new water main for the residents who are presently served by individual wells and septic fields. As part of the project, the existing pavement was rehabilitated with a grind and overlay. The project required a stormwater permit as well as a frac-out plan to be submitted to DuPage County.

Madison Street STP Improvements, Burr Ridge, IL – Project Manager for Phase I, II, and III engineering services for a project which included 8,500 feet of hot-mix asphalt resurfacing, 1,000 feet of pavement widening, installation of curb and gutter, storm sewer, and verifying ADA compliance throughout the corridor. Extensive coordination with IDOT and FHWA was required for this federally-funded STP project.

15-13 Water and Sewer Main Improvements, Oak Park, IL - Lead Design Engineer for Phase I, Phase II and Phase III engineering services for the design and construction of approximately 2,500 feet of roadway along sections of Kenilworth, Harvey and Taylor Avenues within Village limits. Design and construction had an accelerated schedule so improvements along Kenilworth and Harvey may be constructed while school was not in normal session. Improvements included water main, sewer main and service replacement; curb, sidewalk and driveway patching and/or replacement; full depth pavement removal and replacement; parkway restoration; and other appurtenant work. Extensive permitting coordination was required with the Illinois Environmental Protection Agency and Metropolitan Water Reclamation District.

Water Main Replacements 2015, Wheaton, IL – Project Manager for Phase I and II engineering services for the replacement of water main at various locations throughout the City of Wheaton and the reconstruction of approximately 1700 feet of roadway. The project includes approximately 5,400 feet of new water main to replace existing mains that have exceeded their useful service life. New main will be installed within residential and commercial subdivisions and along major transportation corridors under County and State jurisdiction. Extensive multi-agency coordination is required with the City, IEPA, DuPage Division of Transportation and IDOT.

Oak Grove Unit 3 Roadway Reconstruction, Downers Grove, IL – Project Manager worked on the reconstruction of over 3,000 feet of roadway located in a commercial subdivision with several businesses and restaurants. The project includes complete roadway reconstruction, replacement of existing storm sewers, and installing new street light fixtures.

Education/Certifications:

- Bachelor of Science
  Civil Engineering
  University of Illinois – 2004
- PE - IL - 062-062144
- DOC 16-12224

Areas of Expertise:

- Transportation projects including roadway design and bridge construction
- Bike trail design by incorporating AASHTO and BDE criteria
- Preliminary engineering and preparation of plans, specifications and estimates for governmental transportation and infrastructure projects
- Permitting process of federal, state and local permitting agencies

Special Training:

- IDOT ICORS Training
- IDOT, Documentation of Contract Quantities Course
  December 2012 (13-0019)
- IDOT Traffic Signal Design
- IDOT Streetlighting Design

Years of Experience:

- 15 years, 15 with ERA

ENGINEERING
RESOURCE ASSOCIATES

Brian Dusak, PE

Design Engineering Project Manager

Project Experience Continued:

Oak-Illinois-Western Water Main Improvements and Western Avenue Roadway Reconstruction Project, Northbrook, IL - Project Manager for Phase I, II and III engineering services for the replacement of water main along Oak Avenue, Illinois Road and Western Avenue in the Village of Northbrook. Work will also include complete reconstruction of approximately 3,100 feet of Western Avenue. Approximately 12,400 feet of new water main will replace the existing cast iron mains that have an extensive break history. The project corridor is lined with primarily residential properties and is also home to Wescott School on Western Avenue. In addition to coordination with residents, design and construction will be discussed with District 30 staff in an effort to minimize impacts to the school's schedule and operations.

Western Avenue Infrastructure and Streetscape Enhancements, Lake Forest, IL – Project Engineer for the design of major infrastructure and streetscape enhancement in an historic central business district. Project elements included the installation of water main and storm sewer, storm sewer lining, street lighting, traffic signals and reconstruction and rehabilitation of over 8,500 feet of roadway.

Illinois Prairie Path Geneva Spur and Great Western Trail Connector, West Chicago, IL – (Project Manager for the phase I, II and III engineering services) Resident Engineer of connecting a 1.25 mile path between the Great Western Trail and Geveva Spur in the City of West Chicago. The shared-use paths were designed in accordance with AASHTO and IDOT requirements. Extensive coordination was required with IDOT and FHWA as funding for this project was received through the Surface Transportation Program (STP).

Bryant Avenue / Thain's Addition Reconstruction Project, Glen Ellyn, IL – Project Engineer for the reconstruction and rehabilitation of over 11,000 feet of HMA and PCC streets within a residential neighborhood. The project included storm sewer replacement, water main replacement, sanitary sewer point repairs, lining and service replacement.

22nd Street Beautification Project, Oak Brook, IL – Design Engineer for a street beautification corridor project along 0.75 miles of an unmarked IDOT route, namely 22nd Street, and 0.5 miles of York Road located in the Village of Oak Brook. As a subconsultant to Hitchcock Design Group, ERA provided the engineering plans for a new decorative streetlight system, holiday accent lighting, a gateway sign and grading/utility plans for median improvements. The project was funded through the Illinois Transportation Enhancement Program (ITEP) and a local hotel tax over several years.

Gatz Pond Outfall Project, Lombard, IL – Senior Project Engineer for the design of a large diameter storm sewer through a residential corridor. The storm sewer was a combined sewer separation project that separated 450 acres of runoff. The new sewer traversed crowded row containing gas and water main, an existing 72" combined sewer and mature trees.

Professional Experience:

- Engineering Resource Associates Project Manager /Project Engineer/ Resident Engineer (2004-Present)
- Engineering Resource Associates Engineering Intern (2002, 2003)

Professional Affiliations:

- American Public Works Association Fox Valley Branch Education Committee Co-Chair
- Institute of Transportation Engineers
- Village of Mokena Site Plan and Architectural Review Committee & Resident Civil Engineer

Professional Awards

- American Public Works Association Chicago Metro Chapter 2014 Donald C. Stone Award for Excellence in Education

ENGINEERING
RESOURCE ASSOCIATES

Patrick Keefe, PE
Senior Project Engineer



Project Experience:

East New York Street (FAU Route 1522), Aurora, IL -The project involved the reconstruction of approximately 1.5 miles of East New York Street (urban arterial). This project consisted of roadway resurfacing, roadway reconstruction and widening, bridge widening, retaining wall construction, storm sewer design, modernization of traffic signals, installation of lighting system, and bike path.

Harrison Avenue, City of Rockford, IL - Phase I Project Development Report. Responsibilities included managing data collection, accident analysis, traffic management analysis, geometric studies, and access management.

Parking Lot 2/E, DeKalb, IL, Northern Illinois University - Phase II Project and Phase III Project. Project includes the excavation and construction of new concrete curbs and gutters, sidewalk, bituminous pavement, storm sewers, lighting, pavement marking, and landscaping.

Parking Lots X and W (East) Reconstruction, DeKalb, IL, Northern Illinois University - Phase II Project and Phase III Project. Project includes the excavation and construction of new concrete curbs and gutters, sidewalk, bituminous pavement, storm sewers, lighting, pavement marking, and landscaping.

Prairie Street Phase I Study, City of Batavia, IL – Project Engineer for the Phase I Study for the reconstruction of Prairie Street extends from Pine Street to Wilson Street. The project length is approximately 2,500' and Prairie Street is a Collector road primarily serving residential traffic, school bus routes and mail delivery. Prairie Street is a priority route in Batavia's Bicycle Plan.

West Chicago Metra Station Parking Lot Expansion and Reconstruction, West Chicago, IL, Metra - Phase II project for the expansion of an existing parking lot. Project includes the excavation and construction of new concrete curbs and gutters, bituminous pavement, storm sewers, lighting, pavement marking, landscaping and the design of a retaining wall.

Alley Paving Program, Village of Bellwood, IL – Responsible for approximately (8) miles of total reconstruction of residential and commercial alleys, fee negotiations, client contact, IDOT review, bidding, and recommendation of contractor.

Alley Paving Program, Village of Franklin Park, IL - Alley Paving Program, Franklin Park, Illinois – Responsible for 23 miles of total reconstruction of residential and commercial alleys, fee negotiations, client contact, MWRDGC permit, bidding, and recommendation of contractor.

Indiana Avenue/Vincennes Avenue relocation (FAU 2906), Villages of Thornton and South Holland, IL - Responsible for the preparation of plans and specifications for the reconstruction of 1.0 mile of Indiana Avenue/Vincennes Avenue. Responsibilities included various engineering aspects such as geometric design, pavement marking, traffic control and intersection design.

Education/Certifications:

- Bachelor of Science, Civil Engineering Iowa State University – 1992
- PE - IL - 062-055351

Areas of Expertise:

- Managing transportation projects and team during concept, preliminary, pre-final and final contract plans
- Accountable for a variety of responsibilities including geometric design, permitting, pavement marking, maintenance of traffic, data collection and surveying for Chicagoland area counties and local agencies (Kane, Lake, DuPage and Winnebago County, City of Chicago, Aurora, Northern Illinois University).

Special Training:

- Highway Safety Manual Course
- ACEC - Illinois/IDOT Drainage Seminar
- Dale Carnegie Leadership Training for Managers
- Storm Sewer System Design
- Excelling as a Highly Effective Team Leader
- Fundamentals of Successful Project Managers

Years of Experience:

- 25 years

ENGINEERING
RESOURCE ASSOCIATES

Patrick Keefe, PE
Senior Project Engineer

Project Experience Continued:

CH 17/Maple Avenue over East Branch of DuPage River, DuPage County Division of Transportation - Phase II Project involved bridge reconstruction, roadway reconstruction, drainage design, traffic staging, and pavement marking.

Randall Road/Fabyan Parkway Intersection Widening, Kane County Division of Transportation - Phase I Project Development Report and Phase II Project. Project involves geometric design, drainage design, maintenance of traffic, Intersection Design Study (IDS), lighting, and environmental studies.

FAU Route 2666 (Buffalo Grove Road) over Indian Creek – Bridge Rehabilitation, Lake County Division of Transportation - Phase II Project involved widening of the existing bridge, widening of roadway, drainage design, and right-of-way acquisition.

FAU Route 2666 (Buffalo Grove Road) over Indian Creek – Bridge Rehabilitation, Lake County Division of Transportation- Phase II Project involved widening of the existing bridge, widening of roadway, drainage design, and right-of-way acquisition.

CH 17/Maple Avenue over East Branch of DuPage River, DuPage County Division of Transportation - Phase II Project that involved bridge reconstruction, roadway reconstruction, drainage design, traffic staging, and pavement marking.

Wood Street Bridge over Burlington Northern Rail Road and Indian Creek, Aurora, IL - Phase I Project Development Report and Phase II Project. Project involved the removal and replacement of the bridge structure over the BNSF railroad, roadway reconstruction and drainage design.

Randall Road/Fabyan Parkway Intersection Widening, Kane County Division of Transportation - Phase I Project Development Report and Phase II Project. Project involves geometric design, drainage design, maintenance of traffic, Intersection Design Study (IDS), lighting, and environmental studies.

Central Avenue Street improvement, City of Chicago (CDOT) - Responsibilities included estimate of quantities, pavement marking plans, signing, plat of highways and construction staging plans.

Lister Avenue Reconstruction, City of Chicago (CDOT) - Phase II project that involved pavement reconstruction, sidewalk improvements and storm sewer design.

Highland Avenue widening and reconstruction project, City of Elgin, IL - Design Engineer for Phase I. Established the proposed vertical profile.

Professional Experience:

- Engineering Resource Associates
  Project Manager /Project Engineer
  (2017-Present)
- Crawford, Murphy and Tilly
  Project Manager /Project Engineer
  Aurora, IL (2004-2017
- Clark Dietz
  Project Engineer
  Chicago, IL (1998-2004)
- H.W. Lochner
  Project Engineer
  Chicago, IL (1994-1998)
- Avalia and Associates
  Project Engineer
  Skokie, IL (1992-1994)

ENGINEERING
RESOURCE ASSOCIATES

John Mayer, PE, CFM

Traffic Lighting/Streetscape/Recreation Engineer



Project Experience:

Old Town Roundabout (Warrenville-Batavia-River Intersection) / Phase I and II, Warrenville, IL – Project Manager of Phase I engineering services for an STP-funded decorative streetscape roundabout in conjunction with the Warrenville Road improvements. Engineering performed in accordance with FHWA and IDOT procedures and contract documents. Project requires coordination between the City of Warrenville, DuPage County and Warrenville Fire Protection District

DuPage River Trail Phase I, II, and III, Plainfield, IL – Project Manager that assisted the Park district in securing ITEP funding for the project and in the preliminary engineering plans for the two sections of two miles of the DuPage River Trail. ERA provided Phase II and III engineering for the 0.75mile trail and a 150 feet bridge crossing over the DuPage River three section box culvert crossing at the West Norman Drain. He also led the second segment phase II and III engineering for a 150ft prefabricated bridge crossing the DuPage River and an at grade crossing at River Road. The project involved extensive permitting for floodplain, floodway, and wetland impacts. Funding was provided through local, state, and federal programs including HPP, ITEP, SAFETEA-LU, and ARRA.

West Branch DuPage Regional Trail, Forest Preserve District of DuPage County, IL – Project Manager for the land surveying, Phase I, II and III engineering for the design of a 17,500-foot bicycle trail to connect the Geneva Spur of the Illinois Prairie Path in Winfield Mounds Forest Preserve through downtown Winfield and to existing trails in West DuPage Woods Forest Preserve. The project included the installation of crushed aggregate and bituminous multi-use trail section, a prefabricated bridge, crossing of High Lake Road, three sections and 600 ft of boardwalk, retaining walls, signage, compensatory floodplain storage and native restoration. ERA assisted the District in securing 80% CMAQ funding for the $2.2 million project.

Brink Street Parking Lot Improvements, Crystal Lake, IL – Project Manager for surveying, conceptual design, final engineering, construction documents and permitting services for the total reconstruction of a 72-space municipal parking lot improvement located within the Central Business District. Alternative concepts with cost opinions were prepared for various materials including permeable brick pavers and various configurations. Final design plans and specifications were prepared for the preferred concept. Parking lot improvement included a fully reconstructed asphalt pavement, new storm sewer, decorative lighting and controller panel, festival electrical service, concrete seat wall and landscaping.

22nd Street Roadway, Streetscape and Lighting Improvements, Oak Brook, IL – Project Manager for Phase I, II, III engineering services for beautification and roadway improvements along 3,600 feet section of an unmarked state route. Improvements included planter areas, gateway monumentation, and decorative street lighting conforming to IDOT standards and requirements.

Education/Certifications:

- Bachelor of Science
  Civil Engineering
  University of Wisconsin–
  Milwaukee – 1986
- PE – IL – 062-047345
- PE – IN – PE10708044
- PE – WI – E27723-6
- Certified Floodplain Manager
  IL-06-00257
- Kane County Qualified Review
  Specialist – E-063
- Private pilot license

Areas of Expertise:

- Lead projects with various funding sources including: ARRA, ITEP, MFT, 319(h), IGIG, SAFETEA-LU, AASHTO, CMAP, STP, CMAQ, TCM and OSLAD
- Lead Designer for recreational trails, watershed management, transportation, street lighting, downtown streetscape, stormwater and infrastructure projects
- Hydraulics and hydrology design, permitting, and modeling knowledge
- VillageEngineer Review Consultant

Years of Experience:

- 30 years, 19 with ERA

ENGINEERING
RESOURCE ASSOCIATES

John Mayer, PE, CFM

Traffic Lighting/Streetscape/Recreation Engineer

Project Experience Continued:

Butterfield Road (IL Route 56) Streetscape Enhancement and Lighting Project, Warrenville, IL – John provided Phase I and II engineering services for the street beautification project along IL Route 56 Butterfield Road and Batavia Road, 3800ft. John worked together with Hitchcock Design Group completing project elements including gateway features, enhancements to the Illinois prairie Path Bike Trail including crossing Batavia road, way finding, LED roadway lighting and LED decorative post top lighting. The project was funded with ITEP funds requiring federal compliance and IDOT review and letting procedures.

Parking Lots Pavement Resurfacing, Phase I, II and III Engineering Project, McHenry County Government Center, IL – Project Manager and Lead Lighting Engineer prepared plans for Phase I, II and III for the rehabilitation of a 1100 space parking lot, located at 2200 N. Seminary Avenue, Woodstock, IL. ERA provided tasks including site evaluation of existing conditions indicating boundry, topographic and utility information. Additionally, ERA provided survey, environmental, 3 alternative concept design options, designs, bid document preparation, construction administration, and permitting services.

Western Avenue Roadway, Infrastructure and Streetscape Enhancements, Lake Forest, IL – Project Manager for surveying, preliminary and final design, and permitting and construction administration for stormwater and water main utility improvements and streetscape improvements along a 1-mile section of the Historic Downtown Business District. Streetscape elements include brick paving on roadway and sidewalk sections, decorative lighting, tree grates, landscape islands, and outdoor furniture. The project also included the realignment of a road section under the Union Pacific viaduct, special event electrical kiosks, and two new traffic signals.

Roosevelt Road Streetscape, Lighting and Traffic Signal Modifications, Glen Ellyn, IL – Senior Project Engineer for the installation of decorative roadway and pedestrian lighting extending for 1.5 miles along Roosevelt Road (Illinois Route 38). The project included the installation of decorative roadway lighting, adding decorative treatments to the traffic signals, installation of advanced emergency and pre-emption signal equipment.

Illinois Prairie Path Geneva Spur and Great Western Trail Connector, West Chicago IL – Project Director for surveying, planning, design engineering, and permitting assistance services for the design and construction of a 1.25 mile shared use asphalt trail connecting the Illinois Prairie Path's Geneva Spur to the Great Western Trail. The trail incorporates the 89 acre Reed-Keppler Park, and continues adjacent to a cemetery and numerous multi-family residential units. The $700k project was funded with federal STP funds.

Areas of Expertise Cont'd:

- Actively involved in various watershed groups: DRSCWC, LDRWC, LDGP.
- 10 years experience with traffic signal and street lighting operations and design for over 100 signalized intersections and numerous interconnect systems.

Professional Experience:

- Engineering Resource Associates
  Principal / Project Manager
  (1998-Present)
- City of Joliet
  Civil Engineer/Traffic Engineer
  (1987-1998)

Professional Affiliations:

- American Public Works Association
  Past President - Southwest Branch
- Association of State Floodplain Managers
- Institute of Transportation Engineers
- Illinois Association for Floodplain and Stormwater Management
- Lower Des Plaines Ecological Partnership
- Conservation Plainfield
- Lower DuPage River Watershed Coalition
- USGBC- US Green Building Council-
  Founding Chairman for South Suburban Branch
- DeKalb County Soil and Conservation District

ENGINEERING
RESOURCE ASSOCIATES

Eric Wilde
Design Engineer

Project Experience:

George Street Culvert Improvements, Bensenville, IL – Design Engineer for the design of an equivalent sized box culvert and wing walls to replace twin 3' diameter corrugated metal pipe culverts under George Street, a residential road. The project includes pavement patching, sidewalk layout out redesign and site restoration. His role in this project included sidewalk layout redesign, project cost estimation, and writing the project specifications.

Water Main Replacements 2015, Wheaton, IL – Design Engineer for Phase I and II engineering services for the replacement of water main at various locations throughout the City of Wheaton and the reconstruction of approximately 1700 feet of roadway. The project includes approximately 5,400 feet of new water main to replace existing mains that have exceeded their useful service life. New main will be installed within residential and commercial subdivisions and along major transportation corridors under County and State jurisdiction. Extensive multi-agency coordination is required with the City, IEPA, DuPage Division of Transportation and IDOT.

Oak-Illinois-Western Water Main Improvements and Western Avenue Roadway Reconstruction Project, Northbrook, IL - Design Engineer for Phase I, II and III engineering services for the replacement of water main along Oak Avenue, Illinois Road and Western Avenue in the Village of Northbrook. Work will also include complete reconstruction of approximately 3,100 feet of Western Avenue. Approximately 12,400 feet of new water main will replace the existing cast iron mains that have an extensive break history. The project corridor is lined with primarily residential properties and is also home to Wescott School on Western Avenue. In addition to coordination with residents, design and construction will be discussed with District 30 staff in an effort to minimize impacts to the school's schedule and operations.

Terrace Court Improvements, Glencoe, IL – Design Engineer to implement this storm sewer improvement project that was identified in a Phase I study. Storm sewer improvements consisted of 2210 linear feet of 12"-36" diameter RCP pipe of which two locations were installed through side and rear yards of local residences. A 24 inch sewer was jacked through private properties to avoid fences, sheds, trees, playsets, etc. ERA assisted in securing easements and prepared all plat work necessary to acquire easements. The project secured a funding partner with MWRD which required a reduction in anticipated pollutants through a hydrodynamic vortex separator. ERA also provided full time construction management services for overlaying the roadway within the project limits.



Education/Certifications:

- Bachelor of Science
  Civil Engineering
  Southern Illinois University,
  Edwardsville - 2015

Areas of Expertise:

- Preliminary engineering and preparation of plans, specifications and estimates for governmental transportation and infrastructure projects
- Permitting process of federal, state and local permitting agencies

Special Training:

- IDOT ICORS Training
- IDOT, Documentation of Contract Quantities Course January 2016 (16-11373)

Years of Experience:

- 2 years, 2 with ERA

ENGINEERING
RESOURCE ASSOCIATES

Eric Wilde
Design Engineer

Project Experience Continued:

Butterfield Road (IL Route 56) Streetscape Enhancement and Lighting Project, Warrenville, IL – Design Engineer provided Phase I engineering services for the street beautification project along IL Route 56 Butterfield Road and Batavia Road, 3800ft. Eric worked together with Hitchcock Design Group completing project elements including gateway features, median landscape planters, way finding, LED roadway lighting and LED decorative post top lighting. The project is funded with ITEP funds requiring federal compliance and IDOT review and letting procedures.

87th Street and Woodward Avenue Intersection Improvements, DuPage County, IL – Staff Engineer for the improvements which include widening and resurfacing 87th Street and Woodward Avenue to provide dual left turn lanes on 87th Street and the south leg of Woodward Avenue. A third through lane will be added in both directions along 87th Street. The project extends from the Costco entrance, which is approximately 650 feet west of the intersection, to Havens Drive for a total length of improvement along 87th Street of approximately 1,900 feet. The work along Woodward Avenue will extend from Union Street approximately 1,400 feet north to the Costco entrance. In addition to roadway design, the scope of work includes traffic signal improvements, lighting design, drainage design, retaining wall design and possible noise wall design, preparation of plats and legals and coordination with existing utilities. STP funding has been secured for this project.

Cast-In-Place Concrete Culvert Headwall and Retaining Wall System, Wheaton, IL - Design Engineer for the Phase II engineering services for the rehabilitation of the existing three (3) cell cast-In-place Concrete Culvert headwall and retaining wall system. The existing retaining walls on the north side of the culvert had significant rotation creating a 6-inch gap at the top of the wall which has caused a loss of fill behind the retaining walls. Project improvements primarily consisted of removing the last ten feet of the culvert barrel and retaining walls and re-building the culvert to the current AASHTO specifications.

Garfield Street STP Improvements, Burr Ridge, IL – Resident Engineer overseeing 2,500 feet of hot-mix asphalt resurfacing, pavement widening, installation of curb and gutter, storm sewer, and verifying ADA compliance throughout the corridor. Extensive coordination with IDOT and FHWA was required for this federally-funded STP project.

Theda Lane Drainage Improvements, Rolling Meadows, IL – Design Engineer for the design of approximately 600 feet of 18 inch storm sewer along a residential roadway and the construction of a 0.4-acre detention basin located in South Park to alleviate flooding problems within the surrounding community. His role in this project included design of storm sewer layout, performing the cost estimation, and writing the project specifications.

Professional Experience:

- Engineering Resource Associates
  Design Engineer/Resident Engineer/
  Inspector, (2016-Present)
- Alpine - An ITW Company
  Structural Engineering Intern, (2015)
- Engineering Resource Associates
  Engineering Intern, (2014)

ENGINEERING
RESOURCE ASSOCIATES

Erin Pande, PWS, CFM

Ecological Services Director



Project Experience:

Klein Creek Master Watershed Plan and Streambank Stabilization Project, Carol Stream, IL – Ecological Services Director overseeing the development of the Klein & Thunderbird Creek Master Plan for inclusion in the Watershed Plan Addendum. The Master Plan identified streambank stabilization projects along Klein and Thunderbird Creeks along with other water quality improvement projects throughout the 12.7 square mile watershed. She developed public outreach strategies to gauge private property owner interest in the project; quantify public and private benefits; and prepare possible alternatives that allocate costs between public and private entities. Following approval of the Watershed Plan she will assist with applying for outside funding, specifically Illinois Environmental Agency (IEPA) Section 319 funds, DuPage County (DPC) Water Quality Improvement Program (WQIP).

Bensenville Review Consultant, Bensenville, IL - Ecological Services Director provided stormwater, floodplain, wetland, buffer, riparian and BMP review services for the Village of Bensenville on an as-requested basis. She also assisted on the team that performed an internal audit of 12 old and open permits from 2001-2008. This task entailed wetland inspection and reports and identification of critical permitting tasks that were never completed by bankrupt developments.

Green Streets/Downtown Water Quality Enhancements, Downers Grove, IL – Project Manager for development of a program intended to improve a largely impervious business district through the use of BMPs to treat storm sewer discharges, and remove pollutants from impervious surface runoff. She completed a sustainable Stormwater Program to address drainage problems through rain gardens, vegetated swales, rain barrels, and downspout disconnection in residential areas. This included design of a pilot rain garden project..

Floodplain, Wetland and Water Quality Review Services, Various Agencies – Erin provides floodplain, wetland and water quality review services for various agencies throughout North Eastern Illinois. Reviews include roadway, residential, institutional, and commercial projects. Reviews involved site visits prior to construction, comprehensive review of all permit documents, pre-application and stormwater review meetings with developers, and construction and post-construction site visits for compliance with Municipal and County Ordinances. The agencies served: DuPage County, McHenry County, Village of Burr Ridge, City of Elgin, Village of Bensenville, City of Batavia, Village of Carol Stream, Village of Downers Grove, Village of Glen Ellyn, Village of Hanover Park, Village of Lilly Lake, City of Warrenville, and City of Wheaton.

Education/Certifications:

- Bachelor of Arts Major Biology, Environmental Studies & Geology Augustana College – 2001
- Professional Wetland Scientist – #1927
- Certified Floodplain Manager – IL-14-00661
- Lake County Stormwater Mgmt. Comm, Certified Wetland Specialist #C-083
- Kane County Stormwater Mgmt. Qualified Wetland Review Specialist W-049
- McHenry County Certified Wetland Specialist
- Rosgen Level I: Applied Fluvial Geomorphology

Professional Experience:

- Engineering Resource Associates Ecological Services Director/ Environmental Specialist (2004-Present)
- DuPage County Stormwater Management Division Senior Environmental Technician (2001-2004)

Years of Experience:

- 16 years, 13 with ERA

ENGINEERING
RESOURCE ASSOCIATES

Erin Pande, PWS, CFM
Ecological Services Director

Project Experience Continued:

Stormwater Management Ordinance Comprehensive Review and Revision, River Forest, IL - Project Manager, for the review, revisions and adoption of the River Forest Stormwater Management Ordinance. Erin worked with Village staff to prepare a revised ordinance that represents the minimum standards necessary to prevent increases in flooding, prevent water quality degradation, and reduce stormwater runoff volumes. The revised SMO is consistent with MWRD's WMO, Federal Emergency Management Agency (FEMA) National Flood Insurance Program (NFIP) and Community Rating System (CRS), and Illinois Environmental Protection Agency (NPDES) requirements. The Village of River Forest is experiencing numerous tear down and large additions within their residential areas. Therefore, special attention was given to residential redevelopment sites to incorporate stormwater volume reduction requirements that are more restrictive than those identified in the WMO.

Oak Meadows Golf Course Preserve Master Plan, Addison / Wooddale, IL - Ecological Services Director provided environmental services to address the golf course's unique needs for water quality, wetland expansion, river restoration and stormwater management. Approximately 1.5 miles of Salt Creek will be restored; 24.6 acres of wetlands and 105 acres of prairie and woodland will be created. Erin also designed the hydrology control system for 24.6 acres of wetland mitigation. The project went out to bid in February 2015 and is currently under construction. Required permits included USACE, DuPage County, City of Wooddale, Village of Addison, IDNR-OWR, IEPA, Kane - DuPage SWCD and IHPA. ERA helped secure $1.2 million in EPA IGIG funds.

Fox River Stabilization Project, Batavia, IL – Project Manager and Environmental Lead for preliminary and final engineering design services for the Fox River Bank Restoration and Stabilization Project. The limits of the project are PEACE Bridge north of Wilson Street as the North Limit and Clark Island as the South Limit. Tasks included preparing plans, specifications, and construction cost estimates. ERA completed the design and report through detailed coordination with the City of Batavia and in compliance with all applicable laws, regulations, policies, and the project management plan.

2013 Lisle Flood Assistance & HMGP Grant Application, Lisle, IL - Ecological Services Director provided Emergency Flood assistance following the April 2013 flood event. The project tasks included reconnaissance of flood damaged area and subsequent application for HMGP funding. She participated in public meetings, prepared cost benefit analysis and completed data for entry into the federal e-grants to acquire mitigation funds. The Village was awarded $3 Million in HMGP grant funds.

Special Training:

- Applied Fluvial Geomorphology, 2012
- Illinois Soil Classifiers Association - Hydric Soils, 10/2011
- Illinois Soil Classifiers Association Midwest Interim Regional Supplement for Wetland Delineation, 02/2009
- Wetland Training Institute
- Planning, Site Selection and Hydrology Models for Constructed Wetlands, 10/2007
- Biotic Consultants, Inc. Wetland Plant Identification 2000-2010
- Cold Climate Stormwater BMPs 11/2006
- Illinois Hydric Soils, 08/2002
- Institute for Wetland & Env. Education & Research Corps Wetland Delineation Manual, 09/2001

Professional Affiliations:

- Illinois Association of Floodplain and Stormwater Management
- APWA Lake Branch Education Committee Chair
- DuPage River Salt Creek Workgroup
- Conservation Foundation
- Illinois Association of Environmental Professionals
- Society of Wetland Scientists

ENGINEERING
RESOURCE ASSOCIATES

Andrew Kustusch, PE, CFM

Environmental Engineer



Project Experience:

Bensenville Review Consultant, Bensenville, IL - Environmental Engineer that provided stormwater, floodplain, wetland, buffer, riparian and BMP review services for the Village of Bensenville on an as-requested basis. He also assisted on the team that performed an internal audit of 12 old and open permits from 2001-2008. This task entailed wetland inspection and reports and identification of critical permitting tasks that were never completed by bankrupt developments.

Madison Street and Garfield Street LAPP (LAFO) Projects, Burr Ridge, IL – Wetland Delineation and Stormwater Report Author for Phase I engineering services. Andrew performed the wetland investigation and delineation throughout the project length, and coordinated wetland avoidance during the design phase. Submittals for stormwater and wetland reviews by DuPage County and Village Burr Ridge during the permitting phase were also prepared.

Professional Wetland/Environmental Consulting Services, Batavia, IL – Environmental Engineer for new developments within the City of Batavia which require detention with a retention component or best management practice, such as rain gardens or bioswales per the Kane County Stormwater Ordinance. Drew helped perform permit reviews, inspections during construction and after completion, and annual vegetation monitoring inspections and reporting to determine permit compliance in order to obtain signoff and closeout project permits.

Klein Creek Master Watershed Plan and Streambank Stabilization Project, Carol Stream, IL – Environmental Engineer for the preparation of a 12.7 square mile master watershed plan for the Klein Creek watershed for inclusion in DuPage County's water shed plan addendum for approval by the EPA. The master plan will identify bank stabilization projects along Klein and Thunderbird Creeks along with other water quality improvement projects throughout the watershed. Stabilization practices proposed will include, but not be limited to: pool-riffle structures, native plantings, root wads, habitat rehabilitation, re-meandering, stream bed restoration and wetland creation. Following acceptance of the watershed plan by the EPA, ERA will assist in applying for outside funding, specifically Illinois Environmental Agency (IEPA) Section 319 funds, DuPage County (DPC) Water Quality Improvement Program (WQIP).

Green Streets/Downtown Water Quality Enhancements, Downers Grove, IL – Environmental Engineer for development of a program intended to improve a largely impervious business district through the use of BMPs to treat storm sewer discharges, and remove pollutants from impervious surface runoff. He aided in development the master report summarizing the water quality improvement program elements, alternatives, and feasibility.

Education/Certifications:

- Master of Science Environmental Engineering University of California Berkeley-2012
- Bachelor of Science Civil and Environmental Engineering University of Illinois – 2011
- PE – IL 062-067858 - 2015
- EI – IL – 061036000 September 2011
- Certified Floodplain Manger IL-14-00657
- Wetland Plant Identification Course, DuPage County Stormwater Mangement

Areas of Expertise:

- Wetland Delineation Course, Institute for Wetland and Environmental Education
- IEPA Field Sampling Methods
- Beyond the Basics Sormwater BMP Seminar
- Developing and implementing dam removal projects, ASFPM

Years of Experience:

- 5 years, 5 with ERA

ENGINEERING
RESOURCE ASSOCIATES

Andrew Kustusch, PE, CFM

Environmental Engineer

Project Experience Continued:

Old Town Roundabout, Warrenville, IL - Environmental Engineer of the Phase I engineering for proposed roundabout to replace an offset intersection in downtown Warrenville at the intersection of Warrenville Rd and Batavia Rd. Responsibilities included review of twenty-two properties within the project area, PESA preparation and submittal to IDOT, ESR preparation, Wetland Impacts Evaluation preparation, and preparation of right of way acquisition exhibits.

West Branch Regional Trail, West Chicago/Winfield, IL for Forest Preserve District of DuPage County – Project Engineer of the Phase I & Phase II engineering for a 17,500-foot bicycle trail to connect the Geneva Spur of the Illinois Prairie Path, in Winfield Mounds Forest Preserve and through the downtown Winfield and to the existing trails in the West DuPage Woods Forest Preserve. Responsibilities included PESA preparation and submittal to IDOT, wetland delineation and report preparation, data collection, drainage studies, final design, public involvement, cost estimation, preparation of a Project Development Report, and right of way acquisition.

West Branch Regional Trail Connection to Mack Road Bike Path, Warrenville, Il – Environmental Engineer for Phase I engineering services for the .36-mile section of a 10-foot-wide bike trail/ multi-use path connection along Mack Road located just east of Illinois Route 59 to the DuPage County Regional Bike Trail network via the West Branch Regional Trail. Improvements for Illinois Route 59 include crosswalk alignments, and traffic signal modifications. The project elements included environmental sensitivity to the forest preserve area, and grade limitations, a dog park, and boat launch. The crossing at the West Branch River includes an existing bridge extension. The project is located within the Forest Preserve District of DuPage County and the Winfield Township District. Surface Transportation Program (STP) Federal funding, Forest Preserve of DuPage County and City of Warrenville shared the cost for this project.

Stormwater Management Ordinance Comprehensive Review and Revision, River Forest, IL – Environmental Engineer for the review, revisions and adoption of the River Forest Stormwater Management Ordinance. Drew assited to prepare a revised ordinance that represents the minimum standards necessary to prevent increases in flooding, prevent water quality degradation, and reduce stormwater runoff volumes. The revised SMO is consistent with MWRD's WMO, Federal Emergency Management Agency (FEMA) National Flood Insurance Program (NFIP) and Community Rating System (CRS), and Illinois Environmental Protection Agency (NPDES) requirements. The Village of River Forest is experiencing numerous tear down and large additions within their residential areas. Therefore, special attention was given to residential redevelopment sites to incorporate stormwater volume reduction requirements that are more restrictive than those identified in the WMO.

Professional Experience:

- Engineering Resource Associates
  Environmental Engineer
  (2012-Present)
- Illinois Environmental Protection Agency, Governor's Environmental Corps Intern, (Summer 2011)
- MWH Americas, Inc.
  Energy and Resource Sustainability Intern, (Summer 2008, 2010)

Professional Affiliations:

- American Public Works Association
- Illinois Association of Floodplain and Stormwater Management
- DuPage River Salt Creek Workgroup

ENGINEERING
RESOURCE ASSOCIATES

Melissa Lange, PE, SE
Structural Engineer



Project Experience:

Mack Road Bridge Widening and Rehabilitation, Warrenville, IL – Structural Engineer for The Phase I engineering for the addition of a proposed bike path along the south side of Mack Road that crosses over the West Branch of the DuPage river. The Phase I engineering includes a Bridge Condition Report (BCR) to investigate the widening-in-kind of the existing Precast Prestressed Concrete (PPC) Deck Beam structure (SN 022-3027) to accommodate the addition of the bike path. Other alternatives included a stand-alone prefabricated truss pedestrian bridge, superstructure replacement with raising the pier cap to meet the 1-ft clearance over the 30-yr design flood and full bridge replacement. Recommendations provided the life cycle cost of the structure and maintenance. A Type, Size & Location (TS&L) drawing of the preferred option completes the Phase I Engineering.

Culvert Headwall and Retaining Wall System, Wheaton, IL - Lead Structural Engineer for the Phase II engineering services for the rehabilitation of the existing three (3) cell cast-In-place Concrete Culvert headwall and retaining wall system. The existing retaining walls on the north side of the culvert had significant rotation creating a 6-inch gap at the top of the wall which has caused a loss of fill behind the retaining walls.

Bliss Road Culvert, Kane County, IL – Project Manager responsible for the Phase I and Phase II engineering for the replacement of the restrictive culvert on Bliss road servicing Lake Run creek. The existing culvert was significantly undersized and flood events have caused 12 inches of scour on the upstream side, erosion of the end section and embankments on the downstream side. The new culvert project improves the hydraulic efficiency, fixes the upstream scour and downstream streambank erosion.

Village of Elk Grove Culvert Inspections, Elk Grove, IL – Structural engineer for the inspections and reports for the following NBIS Bridge and Culvert inspections: JFK Boulevard, Leicester Road, Wellington Avenue, and Brickvale Drive. Culverts were multi-cell Corrugated Metal Pipes (CMP) with a structure width exceeding 20-ft. The CMP pipes are deteriorated with perforations, pitting along the water line and distortion of the pipes.

Great Western Trail Extension Plan Study, Sycamore Park District, IL – Lead structural engineer for the feasibility study and preliminary plans for the Great Western Trail extension over two locations of the Kishwaukee River and its associated floodplain. Study includes the feasibility of re-using the existing railroad piers and abutments with new prefabricated trusses and boardwalks. The study also includes several alternatives and recommendations with the associated construction cost estimates.

Education/Certifications:

- Master of Science
  Structural Engineering
  Illinois Institute of Technology,
  Chicago, IL- 2000
- Bachelor of Science
  Civil Engineering
  Valparaiso University-1998
- PE - IL - 062-056181
- SE - IL - 081-006488

Areas of Expertise:

- Lead structural designs with a variety of structures
- Structural Inspector
- Illinois Department of Transportation (IDOT), Illinois State Toll Highway Authority (ISTHA), Chicago Department of Transportation (CDOT)
- Software: Merlin Dash; Descus; STAAD.Pro; ETABS; SAP; LPILE; RISA; and Excel
- Design Codes: AASHTO LRFD specifications; ACI; AISC; ASCE; IBC and Chicago Building Code

Years of Experience:

18 years/1 with ERA

ENGINEERING
RESOURCE ASSOCIATES

Melissa Lange, PE, SE
Structural Engineer

Project Experience Continued:

Deerpath Road over Mill Creek, Batavia, IL – Structural engineer responsible for the widening in kind of the Deerpath Road bridge over Mill Creek. Superstructure replacement consisted of a two-span reinforced concrete bridge slab supported on spread footings on rock. The widening of the bridge increased roadway lanes to 12-feet, added a 14'-0" bike path on the east side and a 5'-0" sidewalk on the west side. The full superstructure replacement of the bridge allowed for an increase in the design loading from a substandard design loading of HS-15 to the new design loading of HL93.

Bridge, Culvert and Retaining Wall Inspection Services 2017-2021, Glenview, IL - Project Manager for the all structural inspection services under the jurisdiction of Glenview. Inspections consist of four (4) bridges that are listed on the National Bridge Inventory (NBI) list, nine (9) culverts/ pedestrian bridges and thirty (30) retaining walls. Scope of services include inspecting all structures in accordance with the NBIS requirements and compiling reports for the Village's records.

Springinsguth Culvert Replacement, Schaumburg, IL – Structural Engineer for the replacement of the Springinsguth Culvert to eliminate the approximate 1.0 ft head loss. ERA utilized the MWRD unsteady HEC-RAS modeling collected in task 1 as the basis to provide additional analysis of the Springinsguth culvert. The team then worked to determine the new culvert size required to lower the base flood elevation upstream near the Braintree Drive area. The team prepared a summary report of the hydraulic analysis which identified the required channel improvements and compensatory storage to reduce downstream impacts to a maximum water surface elevation increase of 0.1 feet.

Gatz Pond Outfall Project, Lombard, IL – Structural Engineer for the construction documents for a cast-in-place junction chamber at the residential intersection of Chase Avenue and Maple Street. The junction chamber is 12-ft wide by 12-ft long and 15-ft in depth and services two 60" RCP, and three 12" RCP sewers. The structural was designed for a live load of HL-93 and extra precautions were taken due to the low fill height between the top of the structure and the roadway.

Sycamore Golf Course, Sycamore, IL – Structural Engineer responsible for the design of two culverts located along the Kishwaukee River west tributary. Construction documents included plans and specifications for the replacement of deteriorated bridges with new single-span culverts.

Hill Avenue Bridge over East Branch of the DuPage River Inspection and Rating, Lombard, IL - The project included a field inspection and load rating of the two-span PPC deck beam bridge that was in poor condition. A detailed inspection was performed documenting the areas of spalled concrete and number of exposed strands. The bridge had to be load posted based on the load rating.

Professional Affiliations:

- Member, Structural Engineer Association of Illinois (SEAOI)
- Mentor for Students, Chicago Scholars Foundation

Professional Experience:

- Engineering Resource Associates 2016 - Present
- Civiltech Engineering, Inc. 2007-2016
- Hutter Trankina Engineering PC 2005-2006
- Thornton Tomasetti 2001-2005
- Nicor Gas 1998-2001

ENGINEERING
RESOURCE ASSOCIATES

Timothy Martinek, PLS
Survey Lead



Project Experience:

Warrenville TIF #4, 2016, Warrenville, IL – Land Surveyor in charge of the preparation of a legal description for the proposed TIF 4 Tax Increment Financing District for the City of Warrenville. The City determined the areas to be included in the TIF area on a provided study area map that indicated the new boundary lines. Research of the existing boundary legal descriptions was required to prepare an overall legal description that included the designated parcels.

Hazard Mitigation Grant Program (HMGP), 2016, Lisle, IL – Land Surveyor in charge of boundary surveying and plat of survey services for 12 residential properties located within the floodplain of the East Branch of the DuPage River to be acquired by the Village of Lisle.

Illinois Route 47/Route 71 Intersection Improvements, Yorkville, IL – Client: Crestlake Holdings, Crew Chief in charge of construction staking for intersection improvements including grading, curbs, sidewalks, guardrails and traffic signals.

Route Survey of Illinois Route 53, Lombard, IL – Crew Chief in charge of a topographic route survey in order to determine right of way, geometrics, and elevations of existing conditions for future design project.

Elmhurst Road / I-90 Ramp Improvements, Elk Grove Village/Mt. Prospect, IL – Client: Illinois Tollway. Managed field crews and oversaw fieldwork related to Land Acquisition Plats of multiple parcels of land. Wrote legal descriptions for parcel acquisition and easements.

Illinois Route 47/Cannonball Trail Intersection Design Study, Yorkville, IL – Crew Chief in charge of a topographic route survey in order to determine right of way, geometrics, and elevations of existing conditions for future design project.

Anderson Road Extension, Elburn, IL – Client: Kane County, Crew Chief in charge of boundary survey to determine right of way and parcel lines for a plat of highways. Also in charge of topographic survey to determine geometrics and elevations of existing features for future design project.

Yorkville In-Town Road Improvement Program, Yorkville, IL – Client: The United City of Yorkville, Crew Chief in charge of establishing horizontal and vertical control, as well as determining right of way, geometrics, and elevations of existing features for future design project. Also in charge of construction staking for improvements including grades, curbs, sewers and water systems.

Kankakee River Road Plat of Dedication, Wilmington, IL – Client: City of Wilmington; Field Crew Chief in charge of field work for the preparation of the Plat of Dedication for approximately 1900+ feet of right of way on the south side of Kankakee River Drive over the Dow Chemical Company's parcel for a road widening project.

Education/Certifications:

- Southern Illinois University Illinois IPLSA Sponsored Land Surveying Program, 2001-2003
- Iowa State University, Bachelor of Science Degree, Major: Education - 1999
- PLS - IL - 035-003782

Areas of Expertise:

- Manage field crews and directly oversee their work product
- Performed all necessary legal and boundary research in relation to survey projects
- Coordinate scheduling of crews for design and construction projects
- Strong knowledge in the preparation of survey products from field to finish of large development projects

Years of Experience:

- 17 years, 2 with ERA

ENGINEERING
RESOURCE ASSOCIATES

Client Evaluations

In the following section, we have provided letters of recommendation from a few of our clients that we have performed similar work for. Each letter provides a positive experience or feedback based on our project team's performance on a recent project.

Client Reference: Village of Downers Grove

From: Kerry Behr [mailto:kbehr@downers.us]
Sent: Thursday, October 19, 2017 10:41 AM
To: Marty Michalisko <mmichalisko@eraconsultants.com>
Subject: Reference

ERA is a pleasure to work with. Their energetic staff keeps jobs on budget while working to incorporate innovative ideas into projects. Downers Grove received approximately 8-inches of rain on October 14th causing significant flooding within the Village. The Village is just completing construction of a storm sewer and drainage improvement project designed by ERA in an area that has historically flooded. The improvements worked great and instead of upset residents we received the attached email from an impacted resident.

--
Kerry K. Behr, PE, CFM
Stormwater Administrator
Village of Downers Grove
630-434-5489 (direct)
kbehr@downers.us

Referenced Email Below:
On Mon, Oct 16, 2017 at 12:42 PM, [redacted] wrote:
Hi Kerry -

I just wanted to let you know that even though they are still working on the new storm drain project behind our house, our backyard didn't have any standing water this weekend! During the May 1st storm, which had half the rainfall of this weekend's storm, our backyard was about 50% flooded and the garage was completely flooded. Amazing!

On a side note, how far along are they back there?

(Resident's name removed)

ENGINEERING
RESOURCE ASSOCIATES

Client Evaluations

Client Reference: Village of Glencoe
Please see attached letter.

Client Reference: City of Warrenville
Please see attached letter.

VILLAGE OF GLENCOE

675 Village Court, Glencoe, Illinois 60022
p: (847) 835-4114 | info@villageofglencoe.org | Follow Us: @VGlencoe

www.villageofglencoe.org

October 19, 2017

Re: Engineering Resource Associates, Inc.

To Whom It May Concern:

The Village of Glencoe has maintained a contractual relationship with Engineering Resource Associates, Inc. (ERA) as our primary storm water consultant for over twenty years. During that time ERA has performed a number of detailed storm water studies, and provided design engineering and construction observation services for nearly $20 million of storm water improvements. Village engineering staff work closely with ERA staff in every facet of the services they provide, and have found them to have excellent technical expertise, are open to exploring and applying new best management practices, and have the ability to consistently bring project design, from preliminary to final, in on time and within budget. The Village continues to engage with ERA because the quality of the work for the cost of the services remains appropriate for the complexity of the improvements.

For the reasons stated above, I strongly recommend Engineering Resource Associates, Inc. for your professional engineering service needs. Should you have any questions or would like to discuss further please do not hesitate to contact me at 847-461-1116 or dmau@villageofglencoe.org.

Sincerely,

David C. Mau, P.E.

Director of Public Works

Village of Glencoe

City of Warrenville

3S258 Manning Avenue • Warrenville, IL 60555
630/393-9050 • FAX 630/393-1531

October 19, 2017

Engineering Resource Associates, Inc.
Attn: Marty Michalisko
3S701 West Avenue, Suite 150
Warrenville, IL 60555

RE: Letter of Recommendation

Dear Sirs/Madams:

Engineering Resource Associates, Inc. (ERA) has performed several projects for the City of Warrenville in recent years. In the wake of the significant rain received by the region last weekend, including the West Branch DuPage River watershed, perhaps the projects that most benefit the City of Warrenville are the study and design of improvements to the West Branch DuPage River through Warrenville by DuPage County.

The City is grateful to the County for prioritizing those improvements and to ERA for assisting the County with study and design of the improvements. ERA represented the County well, and did a nice job of coordinating with both agencies and private property owners to achieve multiple goals with the implementation of these important projects.

The improvements have performed as expected in the various storm events that have occurred since completion, earning praise from various residents, business owners, and elected officials during that time.

Sincerely,

Philip M. Kuchler, P.E., CFM
Deputy Public Works Director

STATEMENT OF QUALIFICATIONS FOR PROFESSIONAL ENGINEERING SERVICES

BENSENVILLE
GATEWAY TO OPPORTUNITY

Civil/Site Engineering

Transportation Engineering

Municipal Engineering

Construction/Resident Engineering

Stormwater Management

Structural Engineering

Environmental Services

Water/Wastewater Engineering

Natural Resources

DUPLICATE

DUE:
THURSDAY, OCTOBER 19, 2017
AT 3 P.M.

ESI Consultants, Ltd.
Excellence, Service, Integrity

CONTACT:
Joseph Chiczewski, P.E.
1979 North Mill Street, Suite 100
Naperville, Illinois 60563
630.420.1700
jchiczewski@esiltd.com

1979 North Mill St., Suite 100, Naperville, IL 60563
753 Windsor Road, Charleston, IL 61920
208 LaSalle Street, Suite 1705, Chicago, IL 60604
1280 W. 97th Lane, Suite 100, Crown Point, IN 46307
12819 SE 38th Street, #300, Bellevue, WA 98006

www.esiltd.com

ESI Consultants, Ltd.
Excellence, Service, Integrity

Village of Bensenville
Mr. Joseph M. Carracci, P.E.
717 E. Jefferson Street
Bensenville, Illinois 60106

October 19, 2017

RE: Statement of Qualifications: Establishment of Short-Lists for Civil Engineering Services

Dear Mr. Carracci:

ESI Consultants, Ltd. (ESI) has reviewed the Village of Bensenville's Request for Statements of Qualifications for Civil Engineering Services. We are sincerely interested in providing these services to the Village.

ESI thoroughly understands the Village's engineering needs and has the necessary staff and support to provide schedule driven, quality results for each task we are assigned. We have enclosed one (1) original copy, four (4) hard copies and one (1) electronic copy of our Statement of Qualifications for your consideration for each of the following Service Categories:

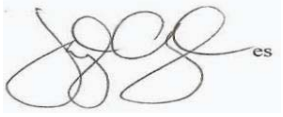
- Resident Engineering
- Design Engineering
- Stormwater Engineering
- Wastewater Related Improvements

We are located in nearby north Naperville and have been in business for over 14 years with an emphasis on serving municipal clients just like Bensenville. We also have had the opportunity to assist the Village on construction projects over the last four years. We are the right firm to serve the Village for the following reasons:

1. **Our People Make the Difference –** We have staff that go the extra mile for clients; our goal is to make you successful and satisfied with your choice of ESI as your consultant. The Village is likely familiar with Kevin Siksta and Brandt Zentner who, in addition to other ESI staff, have successfully provided construction engineering services to the Village in recent years
2. **Creative Approach to Project Solutions –** Our Project Team has provided design and construction management services on numerous engineering projects; we go the extra mile to investigate and analyze each project, striving for an effective and innovative solution when issues arise that were not known during the design.
3. **Our People Communicate Well –** We take the time to listen before speaking so that we understand the issues raised from the officials, contractors, residents and business owners. We realize that when we understand the issues from the other person's perspective, we can make the project even better!

We welcome the opportunity to continue to serve the Village of Bensenville and we look forward to "working together to make life better" for the Village and its residents. If you have any questions or comments, please feel free to call me at (630) 420-1700 ext. 2101 or by e-mail at jchiczewski@esiltd.com.

Sincerely,
ESI CONSULTANTS, LTD.



Joseph Chiczewski, P.E.
President / Client Manager

STATEMENT OF QUALIFICATIONS
FOR
ENGINEERING SERVICES

COVER LETTER

1. CONSULTANT EVALUATION FORM

CONSULTANT EVALUATION FORM
CERTIFICATE OF LIABILITY INSURANCE
LITIGATIONS

2. STATEMENT OF QUALIFICATIONS

FIRM INTRODUCTION
LETTERS OF RECOMMENDATION
IDOT SEFC PREQUALIFICATION LETTER
PROJECT APPROACH
SIMILAR PROJECT EXPERIENCE
STAFF QUALIFICATIONS

3. STATEMENT OF QUALIFICATIONS FORM

ESI Consultants, Ltd.
Excellence. Service. Integrity

SECTION 1: CONSULTANT EVALUATION FORM

Consultant Evaluation Form

Certificate of Liability Insurance

Litigations

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[x] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/18/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER 1-800-527-9049 Holmes Murphy and Associates - Peoria 311 S.W. Water Street Suite 211 Peoria, IL 61602-4108	**CONTACT NAME:** Traci Stoecker / Linda Bomarito **PHONE (A/C, No, Ext):** 309-683-1065 **FAX (A/C, No):** 888-898-6604 **E-MAIL ADDRESS:**
INSURED ESI Consultants, Ltd. 1979 N. Mill Street Suite 100 Naperville, IL 60563	**INSURER(S) AFFORDING COVERAGE** / **NAIC #** **INSURER A :** TWIN CITY FIRE INS CO CO — 29459 **INSURER B :** HARTFORD ACCIDENT & IND CO — 22357 **INSURER C :** TRUMBULL INS CO — 27120 **INSURER D :** XL SPECIALTY INS CO — 37885 **INSURER E :** **INSURER F :**

COVERAGES **CERTIFICATE NUMBER:** 51162036 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [ ] PRO-JECT [X] LOC [ ] OTHER:			83SBWIX2128	04/02/17	04/02/18	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 1,000,000 $ 10,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
B	AUTOMOBILE LIABILITY X ANY AUTO [ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS			83UEGZV0496	04/02/17	04/02/18	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
A	X UMBRELLA LIAB X OCCUR EXCESS LIAB [ ] CLAIMS-MADE [ ] DED X RETENTION $ 10,000			83SBWIX2128	04/02/17	04/02/18	EACH OCCURRENCE AGGREGATE	$ 5,000,000 $ 5,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N: N (N/A) (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			83WEGAA1BC5	04/02/17	04/02/18	X PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000
D	Professional Liability			DPR9912557	04/02/17	04/02/18	Ea Claim/Aggregate	3,000,000
D	Privacy/Network Security			DPR9912557	04/02/17	04/02/18	Ea Claim/Aggregate	1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

For Proposal Purposes Only

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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ESI Consultants, Ltd.
Excellence, Service, Integrity
www.esiltd.com

Litigations

October 19, 2017

Mr. Joseph M. Caracci, P.E.
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, IL 60106

Re: Legal Actions

ESI Consultants, Ltd. has had no involvement as a defendant or respondent in any legal action, or as a named insured for which a claim has been made within the past five years, except as identified in the attached page.

If you have any questions concerning this matter, please call me at 630.420.1700.

Sincerely,

ESI CONSULTANTS, LTD.



Joseph Chiczewski, P.E.
President

1	**Case Name**	Jorge Cabrera v. City of Chicago, et al.
	Case #	2011 L 9036
	Court	Circuit Court of Cook County, IL
	Basis	This was a personal injury case wherein the plaintiff is seeking monetary damages for a worksite injury. ESI Consultants, Ltd. is covered by insurance for this case. ESI Consultants, Ltd. requested and was granted a summary judgment for dismissal from this case on 3/7/2014. The case has been closed.
	Outcome	Dismissed / Case Closed

2	**Case Name**	Mary Kriete-Green v. Martin Montelongo, et al.
	Case #	2011 L 9979
	Court	Circuit Court of Cook County, IL
	Basis	This was a personal injury case wherein the plaintiff was seeking monetary damages for death of her husband who was working on the roadway improvement project. ESI Consultants, Ltd. was not involved in monitoring the deceased worker and was not involved in the design plans related to this roadway project. A settlement was reached in the case prior to litigation. ESI Consultants, Ltd. was covered by insurance for this case. The case has been closed.
	Outcome	Case Closed

3	**Case Name**	3. Galena State Bank and Trust Company, Elizabeth Banking Center f/k/a The Elizabeth State Bank, an Illinois Banking Corporation v. St. Annapelago Properties, LLC.
	Case #	09-CH-77
	Court	Circuit Court of the Fifteenth Judicial Court - Jo Davies County, Illinois
	Basis	The underlying case was a foreclosure action versus St. Annapelago Properties, LLC, the owner/developer of a failed development in Jo Daviess County. ESI Consultants sued St. Annapelago Properties, LLC, for approximately $160,000 in unpaid engineering fees. St. Annapelago Properties, LLC, in turn sued ESI Consultants, Ltd. alleging deficiencies in the project design work. ESI Consultants, Ltd. was granted a favorable judgement in the case on May 29, 2015. The case has been closed.
	Outcome	Case Closed

SECTION 2: STATEMENT OF QUALIFICATIONS

Firm Introduction

Letters of Recommendation

IDOT SEFC Prequalification Letter

Project Approach

Similar Project Experience

Staff Qualifications

EXECUTIVE SUMMARY



ESI Consultants, Ltd. (ESI), licensed in civil and structural engineering was established in the City of Naperville in 2003 as a general civil and consulting engineering firm. Since then we have grown to include two additional Illinois offices (Chicago and Charleston), which serve Illinois and the surrounding areas. ESI provides a broad range of Engineering, Architecture and Program Management Services with a focus on municipal and government clients. ESI is **IDOT prequalified in 21 different categories** for related transportation/municipal work and has an IDOT rated capacity of approximately $18 million per year.

OUR PROVEN AWARD WINNING EXPERIENCE

ESI Consultants provides award winning phase 1, 2 and 3 (planning, design and construction) engineering services to numerous public, federal and private agencies throughout Illinois. We pride ourselves in the quality and punctuality of our work, which is reflected in our award-winning projects and our many repeat clients.

ESI has the required experience and expertise in municipal engineering and has demonstrated excellence in each of the required categories to meet the wide-ranging needs of Bensenville. From complex bridge, intersection, traffic signal and roadway improvements, which required coordination with multiple agencies and property owners (Emerson/Ridge/Green Bay), to a multiple traffic signal interconnect and roadway widening with storm detention (South Arsenal Road), to stormwater management (Westmont Stormwater Management and Review Services), to pump station design (N. Broadway Interim Pump Station Design), our staff is experienced and ready to work for the Village of Bensenville.

AWARD WINNING SERVICE

- APWA Public Works: Project of the Year – Emerson / Ridge / Green Bay Roads (Preliminary, Design, Construction)
- ACEC Engineering Excellence Award – Water System Improvements for Downtown Long Grove (Preliminary, Design, Construction)
- ACEC Engineering Excellence Award –West Ridge Nature Preserve (Construction)
- ACEC Engineering Excellence Award – Long Grove Downtown Parking Lot / Streetscape and Archer Road (Preliminary, Design, Construction)
- APWA Project of the Year – Crescent Blvd. Reconstruction (Construction)
- CDOT Structural Project of the Year – Chicago Riverwalk / Wabash Vietnam Veterans Memorial (Construction)
- ACEC Engineering Excellence Award North Ave. at County Line Road / I-294 (Preliminary, Design)
- APWA Project of the Year – First Street Redevelopment (Design)
- Many more!

OUR PROVEN RESIDENT ENGINEERING EXPERIENCE

ESI Consultants provides construction engineering services to numerous public and private agencies throughout Illinois. ESI has been involved in a wide range of projects, some for the Village of Bensenville, providing construction engineering services on everything from roadways and paths/trails/sidewalks to bridges to parking lots to forest preserves to water and wastewater utilities with disciplines ranging from extending a distribution system to treatment facilities, gravity sewers to lift stations and force mains to treatment plants, and reconstruction of streets including all wet utilities. With this experience, our Team has significant familiarity with the design requirements of the Illinois Environmental Protection Agency, U. S. Army Corps of Engineers, Illinois Department of Natural Resources, and Illinois Department of Transportation that are just as important to know during the construction phase as they are during design and permitting. We pride ourselves in the quality and punctuality of our work, which ESI and key project personnel have the depth and experience to work with Bensenville staff in providing critical insight and solutions. This perspective is demonstrated by the range of our work for various municipalities, public agencies, and other clients—specifically in the areas of, agency coordination, community involvement, and project funding.

CONSTRUCTION ENGINEERING PROJECTS

- Irving Park Streetscape, Bensenville
- Irving Park Water Main, Bensenville
- Emerson/Ridge/Green Bay Improvements, Evanston
- Jefferson Street Resurfacing, Bensenville
- St. Louis Avenue Reconstruction, Chicago
- South Arsenal Road, Wilmington
- Crescent Blvd. Reconstruction, Glen Ellyn
- Oakwood Road Bridge, Long Grove
- Jackson Bridge over METRA, ICRR, Chicago
- ADA Ramps, Central & South Areas, Chicago
- Elmwood Park Pump Station
- Union Station Lighting, Chicago
- Long Grove Community Water System
- Water Main Improvements, Downers Grove
- Nelson's Highview Water Main, Glendale Hts.

OUR PROVEN DESIGN EXPERIENCE

ESI Consultants provides transportation services to numerous public and private agencies. We have worked directly for municipalities, just like Bensenville, in providing planning and design services on a broad range of needs including local maintenance programs, federally and locally funded roadway / bike path and bike paths, and program management. We take a comprehensive approach which is why our proven success on complete streets projects such as Evanston's Emerson / Ridge / Green Bay Road and Lemont PD Centennial Road Entrance have garnered awards. We not only do this for local municipalities but we also manage the local road process for IDOT in other districts – giving us a unique insight to the required processes. And our knowledge of Safety issues is proven in our experience as IDOT's Traffic Program Manager for 5 years as well as many

SHORT LIST OF DESIGN EXPERIENCE

- Emerson/Ridge/Green Bay Road, Evanston
- S. Arsenal at IL 53, Wilmington
- Kings Drive Reconstruction, Bolingbrook
- North Avenue at County Line Road/I-294
- US 6 at I-55 East Frontage Road, Channahon
- Schmidt Road Structure Replacement, Bolingbrook
- N. Broadway Pump Station and Force Main
- Rt. 31 Water Main Replacement, Geneva
- Lake County In-House Design Engineering
- Regional Detention Facility, Westmont

other projects like our development of a regional Highway Safety Improvement Program for Kane County. We know IDOT processes, we know DuPage County processes and we know how to address local needs for clients like Bensenville within these requirements. We pride ourselves in the quality and punctuality of our work, which is reflected in our award-winning projects and our many repeat clients.

STORMWATER EXPERIENCE

- Meyers Road Drainage Assessment, DuPage Co.
- York Road Stormwater Preliminary & Final Design, DuPage Co.
- Crown Estates Subdivision Drainage Study, DuPage Co.
- Elinor Avenue Swale Design, DuPage Co.
- Stormwater Review Services, Westmont
- First Street Redevelopment Stormwater, St. Charles

OUR PROVEN STORMWATER EXPERIENCE

ESI Consultants provides stormwater management design and construction services to numerous public, federal and private agencies. Since 2005 DuPage County has been a great client, for which we have provided stormwater management design services to the DOT on several projects in the last two years. In addition, we have performed permit compliance review to several communities in DuPage County. With this experience, our Team has significant familiarity with the County's stormwater ordinance, design requirements and expectations.

OUR PROVEN WASTEWATER EXPERIENCE

ESI Consultants provides wastewater infrastructure design and coordination services to numerous public, federal and private agencies. ESI has been involved in a large spectrum of projects associated with the wastewater discipline ranging from extending a sanitary gravity sewer to analyzing the capacity of wastewater systems including wastewater treatment facilities. At the right, we have listed a few of the projects that show the variety of projects we have successfully studied and designed for our clients. With this experience, our Team has significant familiarity with the design requirements of the Illinois Environmental Protection Agency, U. S. Army Corps of Engineers, Illinois Department of Natural Resources, and Illinois Department of Transportation.

SHORT LIST OF WASTEWATER EXPERIENCE

- First Street Redevelopment Wastewater Improvements, St. Charles
- Wastewater System Capacity Study, Elizabeth
- Wastewater Study, Bement
- East Side Lift Station Improvements Multiple Cost Studies, Lanark
- Emerson/Ridge/Green Bay Water Main Imp., Evanston
- N. Broadway Interim Pump Station and Force Main, Lombard

PERSONNEL AVAILABILITY & IN-HOUSE PROFESSIONAL SERVICES



Client service is of the utmost importance. We strive to be available on short notice any time the Village has need of our assistance. You will have the cell phone number of Joseph Chiczewski, our project principal / client liaison; and Anthony Bryant, our project manager. They will be available to respond to your needs 24/7. We have found this multiple-contact system to be effective. Recently, DuPage County called and requested that a drainage assessment, including modeling, field survey, and report be completed within a two-week time frame over the Christmas holiday. ESI was able to respond quickly and complete the required task. We will bring the same level of availability and client-focus to the Village of Bensenville.

ESI Consultants, Ltd.
Excellence, Service, Integrity

TESTIMONIALS

ESI Consultants is committed to providing ***Excellence*** in ***Service*** with ***Integrity*** for all of our work with Bensenville. The following are just a few limited excerpts that summarize the feedback that we have received which should ensure the Village of our commitment to provide a high level of service to your community on this project:

From Residents...

"I am sure you get plenty of complaints…but this one is just the opposite… we have a special thanks to (ESI) for... being patient… listen(ing)… and taking care of what I thought…" **JLD**

"We truly thank you for your help and knowledge during the project in front of our Church..." **L&RM**

From Elected Officials...

"I wanted to take a moment to acknowledge a job well done…Thank City staff and ESI Consultants… we have been very pleased with this project." **Alderman BD – City of Chicago**

"(ESI)…provided exemplary engineering and consulting work for the Village of Long Grove, of which I am a Trustee. (ESI) provides us with the benefit of his extensive experience and creativity and the results have exceeded our expectations." **TL**

From Clients' Staff...

"I look forward to working with your firm again. You guys did a really good job for us…" **Sal**

"ESI Consultants, Ltd has been an excellent partner in providing services for Aqua Illinois since 2008 throughout Illinois. I have worked closely with Tony Malone and he has always provided exceptional quality work in a very professional and timely manner. I seldom, if ever, make recommendations to others yet I have and will continue to recommend Tony Malone and ESI to others as I know they will provide the same quality service I have been provided. **James Bilotta – Aqua Illinois**

"Great job!! This project went fast and smooth, not something I say often about construction projects!." **Scott Kasper - Village of Schaumburg**

"I just wanted to let you know that I have been very pleased with your company's performance…We have been very satisfied with the work performance from ESI…" **Rick - JADA**

ST. CHARLES
SINCE 1834

February 13, 2017

To Whom It May Concern:

I am writing this Letter of Recommendation regarding the engineering firm ESI Consultants, Ltd., and specifically Anthony (Tony) Malone. Tony has collaborated with our City, and specifically with our Electric Utility, on a diverse group of projects over the last 10 years. Whether it be an extremely complex engineering or design project that spans months, or a relatively small project that is completed within a month, the attention to detail and quality effort is consistent. Tony and his team recently completed a comprehensive set of plans for a new electric substation that incorporated a utility scale solar plant. The plans bid with no exceptions taken by the contractors, which is a testament to the quality and detail of the design and plans. Their knowledge and experience related to the myriad of permit requirements is very much appreciated. ESI has had the resources available to meet our timelines, and their responsiveness to requests is excellent.
I recommend consideration of Tony and ESI for any engineering or environmental consulting needs that you may have.

Sincerely,

Thomas Bruhl, P.E.
Electric Services Manager
City of St. Charles

RAYMOND P. ROGINA *Mayor*
MARK KOENEN, P.E. *City Administrator*

TWO EAST MAIN STREET ST. CHARLES, IL 60174 PHONE: 630-377-4400 FAX: 630-377-4440
www.stcharlesil.gov

WESTMONT
THE PROGRESSIVE VILLAGE
westmont.il.gov

Public Works Department
Engineering Division

31 West Quincy Street • Westmont, Illinois 60559
Tel: 630-981-6272 Fax: 630-829-4479

August 31, 2016

To Whom It May Concern:

I am writing this Letter of Recommendation regarding the engineering firm ESI Consultants, Ltd., and specifically Mr. Anthony Bryant. Mr. Bryant has worked with the Village for over 13 years; he is a great person to work with, bringing expert knowledge, integrity and an easy to work with approach. In each of my engagements with Mr. Bryant, he and the project team involved were able to collaborate with the Village very effectively on the project from start to finish. In particular, the end results stood out in my mind. Mr. Bryant and his team performed well completing local, MFT, and federally funded transportation projects on schedule and budget. Additionally, an often neglected area is responsiveness - Mr. Bryant is very responsive and genuinely cares about his clients projects.

I wholeheartedly would recommend him as an engineering consultant and I look forward to working with him in the future.

Sincerely,

Noriel Noriega, P.E.
Assistant Director of Public Works-Village Engineer
Village of Westmont

AQUA

March 1, 2017

To Whom It May Concern:

ESI Consultants, Ltd has been an excellent partner in providing services for Aqua Illinois since 2008 throughout Illinois. I have worked closely with Tony Malone and he has always provided us with exceptional quality work in a very professional and timely manner. I seldom, if ever, make recommendations to others yet I have and will continue to recommend Tony Malone and ESI to others as I know they will provide the same quality service I have been provided.

Sincerely,



James P. Bilotta
Director, Corporate Development
Aqua Illinois, Inc.

Phoenix & Associates
DEVELOPMENT & LAND USE CONSULTANTS
94 RAILROAD ST., GILBERTS, IL 60136
PHONE: 847-836-1090 FAX: 847-836-1092

February 27, 2017

To whom it may concern,

It is my pleasure to recommend Mr. Anthony Malone. We have been doing business him since 1998 when he worked for Robert H. Anderson and Associates.

Mr. Malone is a great engineer. He always goes above and beyond to help us achieve our goals. He carries himself in a professional manner whether he is the field or appearing before a municipality. Mr. Malone has applied for permits as well as created the designs for our storm water and water main projects. We have always been more than pleased with the outcome of his work. His knowledge and dedication are apparent in all aspects of engineering.

Mr. Malone is a good listener and strives to meet your expatiations in the overall design, budget, and schedule. You will not be disappointed in hiring him for your next project.

Please feel free to contact me at 847-903-8593 should you like to expand on the working relationship we have with Mr. Anthony Malone.

Best Wishes,

Constance Kanagin, President
Phoenix and Associates, Inc.

14-569

Illinois Department of Transportation

Division of Highways / Region 5 / District 9
P.O. Box 100 / Carbondale, Illinois / 62903-0100
Telephone 618/549-2171

RECEIVED
DEC 2 8 2015
ESI CONSUL

December 16, 2015

ESI Consultants, Ltd.
753 Windsor Road
Charleston, IL 61920

Attention: Dave Clark

RE: Interim Evaluation
PTB #: 171 Item: 018

Dear Mr. Clark:

The Bureau of Construction has completed the Interim Evaluation for your firm's performance in construction inspection on various projects within District 9. (PTB 171-018).

The Interim evaluation for this project in the category "Construction Inspection" has been rated "Excellent".

Thank you for your efforts in completing this improvement. If you wish to discuss this evaluation, please feel free to call me.

Very truly yours,

Jeffrey L. Keirn, P. E.
Director of Highways
Region Five Engineer

By: Keith Roberts
Acting Project Implementation Engineer

DH:ac

Attachments

cc: Luke Estel, Resident Engineer
File

Illinois Department of Transportation

Phase III Consultant Evaluations

Evaluation Date: 12/14/2015 **Annual or Milestone Evaluation:** Annual

Type Evaluation: Interim **Office:** D9 Construction

Evaluator: Luke Estel **Job #:** C-99-031-14

Prime Consultant: ESI CONSULTANTS, LTD.

PTB: 171 **Item:** 018 **Sublet:**

Route: Various **County:** various

Phase: III **District:** DIST-9 **Total Fee:** $114,000.00

Description: Phase III inspectors involved in contract quantity inspection, documentation, and construction layou

List Prime's Key Personnel:

Fred Funk	Inspector
Pete Smit	Inspector

Prime's Overall Evaluation: Excellent

Prequalification Categories:		**Old Str #**	**New Str #**	**Dual Old Str #**	**Dual New Str #**
Construction Inspection	Excellent				

Fatal Flaws:

Did the consultant:

Display inappropriate behavior in dealing with the public or contractor?	No
Provide false information in the project documentation?	No
Cause the project completion date to be extended due to not providing requested layout or inspection in a timely manner?	No

Rated By: Douglas J Tuelink District/Bureau: DIST 9 / CONSTRUCTION Rated Date: 12-14-15

Reviewed By: K Rhodes Position: ACTING PE ENGR. Reviewed Date: 12-16-15

Concur: _____ Regional Engineer _____ Date: _____

Timeliness: Excellent

Comments on Strengths/Weaknesses in Timeliness:

Pete was never late. He was always on the job site and stayed with the contractor until the task was complete.

Completeness: Excellent

Comments on Strengths/Weaknesses in Completeness:

Pete not only inspected the work but completed all paperwork with little or no supervision

Quality & Accuracy: Excellent

Comments on Strengths/Weaknesses in Quality & Accuracy:

Pete did an excellent job recording all work items.

Cooperation & Project Management: Excellent

Comments on Strengths/Weaknesses in Cooperation and Management:

Pete was able to work with the contractor in getting the work items complete.

Public/Agency Coordination: N/A

Comments on Strengths/Weaknesses in Public/Agency Coordination:

Innovation: Excellent

Comments on Strengths/Weaknesses in Innovation:

Pete was able to work with the contractor in solving complex problems and figuring out ways to be more proficient.

Comments on Consultant's Overall Performance

Pete is a very good inspector. He requires little or no supervision. He is able to think on his feet and solve problems that arise. He truly cares about the work and goes the extra mile to make sure it is done correctly.

IDOT STATEMENT OF EXPERIENCE & FINANCIAL CONDITIONS PREQUALIFICATION

Pictured is our SEFC letter dated September 27, 2016. We are prequalified by IDOT, however we have not received our new SEFC letter. We have also included an email that shows we are presently considered prequalified by IDOT.

SEFC PREQUALIFICATIONS FOR ESI CONSULTANTS, LTD.

CATEGORY	STATUS
Special Services - Sanitary	X
Special Studies - Feasibility	X
Airports - Design	X
Location Design Studies - Rehabilitation	X
Special Services - Surveying	X
Hydraulic Reports - Waterways: Typical	X
Structures - Highway: Advanced Typical	X
Highways - Freeways	X
Location Design Studies - New Construction/Major Reconstruction	X
Special Studies - Location Drainage	X
Special Studies - Safety	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Structures - Highway: Typical	X
Special Studies - Traffic Signals	X
Special Studies - Traffic Studies	X
Hydraulic Reports - Waterways: Complex	X
Structures - Highway: Simple	X
Hydraulic Reports - Pump Stations	X
Highways - Roads and Streets	X
Special Services - Construction Inspection	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

September 27, 2016

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Joseph Chiczewski
ESI CONSULTANTS, LTD.
1979 N. Mill Street, Suite 100
Naperville, IL 60563

Dear Joseph Chiczewski,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $16,800,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 137.37% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

Tina Ballin

From: Kowalski, Carrie L <Carrie.Kowalski@illinois.gov>
Sent: Thursday, September 28, 2017 6:33 AM
To: Tina Ballin
Subject: RE: EPAS Renewal

Your firm has submitted the required SEFC and you are considered prequalified with IDOT.

Vendor: ESI CONSULTANTS, LTD.

SEFC Applications

App Id	Application Date	Fiscal Year Ending Date	Type	Overhead %	Sta
SEFC ID : 5390	06/29/2017	12/31/2016	RenewSEFC	141.49	RAI
SEFC ID : 4137	07/11/2016	12/31/2015	NewSEFC	137.37	APF
SEFC ID : 3694	11/10/2015	12/31/2014	AmendSEFC	125.22	APF

Sincerely,
Carrie Kowalski
Consultant Unit Chief
Illinois Department of Transportation
Bureau of Design and Environment
Phone: 217-782-6916

Please consider the environment before printing this e-mail
State of Illinois - CONFIDENTIALITY NOTICE: The information contained in this communication is confidential, may be attorney-client privileged or attorney work product, may constitute inside information or internal deliberative staff communication, and is intended only for the use of the addressee. Unauthorized use, disclosure or copying of this communication or any part thereof is strictly prohibited and may be unlawful. If you have received this communication in error, please notify the sender immediately by return e-mail and destroy this communication and all copies thereof, including all attachments. Receipt by an unintended recipient does not waive attorney-client privilege, attorney work product privilege, or any other exemption from disclosure

The Village of Bensenville has requested a statement of qualifications from select engineering consulting firms for several categories of work. Our project approach is simple: provide the right people, utilize our experience, and dig into a project to find that potentially creative solution. We have assigned staff who are experts in their specific fields to your team. It is anticipated that the Village will have two points of contact with ESI, the client manager and the project manager. This will better allow us to respond to the Village's needs quickly; however, all of our resources will be available as needed.

ESI is committed to truly being an advocate for the Village's needs. Our professional engineering will be service based, with the goal of being the most responsive, client-centric, and pro-active consultant the Village has ever worked with:

Even when not officially contracted to work on a project, we always have our clients' needs in mind, we bring this positive approach to every project:

- **Our People Make the Difference** – Our staff will go the extra mile to make the Village successful. For St. Charles, we were able to convince IDOT that the most efficient method to replace the major sewer trunk main was to close down IL Route 31. In Elizabeth, we were able to provide a cost effective way to serve a new subdivision will little cost to the Village or developer as well as preserve 50% of the treatment plant capacity. These may seem like simple issues, but each of them saved our clients several tens to hundreds of thousands of dollars. We are dogged in pursuit of a superior design!
- **Creative Approach to Project Solutions** – We do not look for standard answers, we look for innovative solutions that make sense and will stand the test of time. For the Joliet Arsenal Development Authority and Wilmington, ESI provided funding research and grant application services to allow for a significant portion of the off-site road improvements could be designed and constructed in an economically feasible manner. ESI worked closely with IDOT to secure over $12 million in Economic Development Funds towards planned roadway improvements to supplement $3 million in HPP (Federal funds). We will work to find smart, cost-effective solutions for the Village of Bensenville as well!
- **Our People Communicate Well** – On the two contracts for the Irving Park Streetscape Improvements, Brandt Zentner, our on-site Resident Engineer, coordinated with business owners and residents regarding their driveways reconstruction and accessibility issues to remove as much frustration as possible for the property owners. During one contract, a Speedway fuel station was being constructed simultaneously with the Irving Park streetscape project. Brandt regularly coordinated with the Speedway contractor to make sure the utility services were constructed prior to the stamped sidewalk being poured, or the

schedule for when curb and gutter or light pole foundations and could be poured or conduits trenched. This extra effort certainly saved costs, time and stress for all involved.

- **We Focus on Project Document Controls**- Staffing and Budgets go hand in hand. Upon selection, ESI will begin the process of managing our staffing including sub-consultants. We budget using our Accounting System – Ajera. This system tracks each cost (hours, direct expenses, sub-consultants) by phase, task and billing group. We input the contract amounts / budgets for each items within this overall project management and tracking system. This system also allows for the time and costs to be scheduled for the duration of the project, thus providing a detailed road map from start to finish. In combination of a Critical Path Schedule, this allows us to forecast and manage staffing and progress. Time is input weekly and is available for the Project Manager and Project Principal to view on a near real time basis.

  ESI conducts semi-monthly staff planning sessions to further coordinate staff planning and deadlines. These meetings also provide an opportunity to address potential project variances. Key project issues (roadblocks, successes, etc.) are also presented and managed at these meetings. Once a month these meetings also address a 6 month look ahead view for all project staffing requirements to assure that the overall budget is on track and that resources are available when needed. This links with the overall Ajera Project Budgeting and management software.

  Document Controls has become more and more complex. With security breaches becoming an everyday occurrence it seems, ESI strives to be aggressive the issue. Our clients' security is of utmost importance to us. We have made recent updates to our network software to specifically protect against hackers who may try to enter our client's servers through ESI's connection. We have also added a cyber risk policy to our insurance coverage in case an attack was to occur.

This is our approach with all our municipal clients; finding ways to best serve their needs – so whether it was finding ways to fund transportation improvements in Wilmington, or value engineering a water and wastewater system in Elizabeth to save hundreds of thousands of dollars, we look to our long term relationship.

Overall Goal – Superior Service, Client Satisfaction

ESI's overall approach to projects is straight-forward: make Bensenville successful. We will achieve this following a fairly simple mantra: We will listen to our client, we will exceed their expectations, we will help them surpass their goals, and we will work tirelessly for them.

Project / Client	Emerson / Ridge / Green Bay Improvement City of Evanston
Scope of Work / (Contractor) / Client POC	ESI provided planning, design and construction engineering services for the complex interconnection of several arterial routes within the City of Evanston. The intersection of Emerson Street / Green Bay Road / Ridge Avenue provides a main transportation access to Downtown Evanston and to Northwestern University campus. Evanston's transportation system is multimodal in nature, with significant trips by cars, bicycles, pedestrians and public transit. Metra and the Chicago Transit Authority provide transit services to the region resulting in pedestrian and bicycle traffic along city streets connecting to the transit stations and bus stops. The preliminary engineering evaluations focused on improving pedestrian/bicycle accommodations and improving/simplifying traffic movements through this 5-legged triangle intersection. Green Bay Road from Emerson Street to McCormick Blvd was also evaluated for potential improvements. Based on feedback from the community, traffic analyses, safety analysis, and an assessment of existing and future conditions in the context of the regional transportation system, the project was developed to create an environmentally friendly "Complete Street" with roadway and drainage improvements, pedestrian path additions and improvements, bicycle accommodations, enhanced landscape/streetscape, street lighting, and traffic signal coordination. The goal was to allow for a more pedestrian / bicycle / transit friendly route while improving traffic safety, directional signing and traffic flow (or minimizing such impacts) and create a gateway to the community and downtown business district. Upon conclusion of the planning stage of the project, which achieved a broad base of public support, ESI began the design portion. Construction services provided included the installation storm sewer, new PCC pavement, HMA resurfacing and sidewalks, interconnected traffic signals at six intersections, new LED street lighting, landscaping, traffic control, erosion control, and pavement markings. As a part of this project, approximately 3,400 lineal feet of 6" to 12" watermains were constructed to replace the existing mains. Not only are these roads heavily used each day, the existing watermains were also major segments of the water distribution system. Key components of the work included an extensive public outreach program (one on one interviews, advisory committee meetings, public meetings, a project website and newsletters, etc) as well as extensive coordination with local businesses, the UPRR, IDOT, Metra, Pace and Northwestern University. Also included was funding assistance for STP, CMAQ and TAP funding. Phase I, II, III / City of Evanston / Sat Nagar - City Engineer / 847.328.2100 / snagar@cityofevanston.org / STP, CMAQ, TAP, Local funding
Project Team	K. Hayes, K. Siksta, D. Doffin, M. Stock, R. Neilson, M. Reznicek, A. Bryant, S. Moy, A. Malone, B. Henrichs, J. Chiczewski
Construction Cost / Fee / Year	$11M / $2.1M / 2016

Project / Client	South Arsenal Road at IL 53, Wilmington, IL City of Wilmington & Joliet Arsenal Development Authority
Scope of Work / (Contractor) / Client POC	The project was split into two contracts with the plans for the west end prepared according to MFT procedures for IDOT and the east end prepared according to federal guidelines as part of a Federally Funded Earmark Program. The project also involved the preparation of a Traffic Impact Analysis for Joliet Arsenal Development Authority (JADA) who had proposed to develop a 1,076 acre site located just north of South Arsenal Road and east of IL Route 53. The analysis evaluated the anticipated traffic impacts to the surrounding adjacent routes resulting from the proposed site development and provided guidance on the design of the roadway access system. The intersection of South Arsenal Road / IL Rte 53 was also analyzed as well as the intersection of IL Rte 53 / New River Road (which serves as the primary access route for I-55), the intersection of IL Rte 53 / Peotone Road, and other minor intersections directly affected by the proposed project. The scope of the improvement included widening of the existing three lane cross section along South Arsenal Road to provide a 5 lane cross section at the intersection of IL Route 53 (1 right turn lane, 2 left turn lanes and 2 receiving lanes) and installation of traffic signals at the intersection of South Arsenal Road and IL Route 53. Auxiliary lanes were also proposed along IL Route 53 including left and right turn lanes to South Arsenal Road and an acceleration lane for northbound IL Route 53. Improvements also included the relocation of a watermain, street lights, the introduction of a closed drainage system, two box culverts across IL Route 53 to address regional drainage issues, and the design of high strength pavement to accommodate heavy truck traffic for the proposed adjacent industrial distribution facility. Key issues included planning for construction staging for an ultimate five lane cross-section, coordination with Illinois Department of Transportation (IDOT), Will County DOT and the City of Wilmington, and designing the roadway with a close proximity to several high pressure petroleum pipelines. Subsequent to the completion of the preliminary engineering and design services, ESI was retained to provide Phase III resident engineering services for the two roadway widening and reconstruction contracts with a total length of approximately 3 miles and a total construction cost of $8.5 million. The work performed consisted of earth excavation, construction of storm sewers and drainage structures, combination curb and gutter, hot-mix asphalt pavement (special Stone Matrix for heavy truck loading), hot-mix asphalt shoulders, and thermoplastic pavement markings. Phase I, II & III / Joliet Arsenal Development Authority (JADA) / Rick Kwasneski – Executive Director / 815.722.9700 / rkwasneski@jada.org & City of Wilmington / Colby Zemaitis – City Engineer / 815.476.2175 x226 / czemaitis@wilmington-il.com / Federally Funded Earmark Program
Project Team	K. Hayes, B. Zentner, S. Moy, J. Chiczewski, K. Siksta, D. Doffin, E. Petraitis, M. Reznicek, A. Bryant, A. Malone,
Construction Cost / Fee / Year	$25M / $2.4M / 2016

Project / Client	Centennial Park Improvements, Lemont, IL Lemont Park District
Scope of Work / (Contractor) / Client POC	Planning, Design and Construction Engineering services were provided for this federally funded (Safe Routes to Schools) project. ESI was charged with developing a network of paths to connect the many facilities of Lemont Park District's Centennial Park. This comprehensive recreation facility provides many different recreation activities spread out over 75 acres including the Centennial Community Center; outdoor pool; lighted baseball fields; tennis courts; basketball courts; soccer fields; picnic areas; running path; a butterfly garden; "The CORE" (Fitness and Aquatic Facility); "Miracle Field" (a totally handicap accessible ball field), a Skate Park and maintenance building. The project included extending bicycle paths, adding new walking paths and multi-use paths, improving ADA access and developing the parks overall internal connectivity between facilities. Key issues addressed included safety improvements for pedestrian access including creation of on street parking and drop off zones, relocation of a bicycle / multiuse path to enhance traffic calming and improve safety, implementation of a streetscape standard with landscaping, ADA improvements, decorative energy efficient lighting and pockets parks within the park setting. The project also included enhancements to the parking areas and drainage improvements for the areas around the baseball fields and soccer fields. The project incorporated the relocation of the entrance in order to accommodate a boulevard concept along with the installation of walking trails, lighting, a drop-off lane, a left turn lane, and parking lot alterations as well as solving the drainage problems. Working with the Park District, Village and IDOT, Safe Routes to School Funds (SRF) were re-allocated to this project to allow for additional safety benefits such as improved lighting, loading zone drop off for the pre-school and relocation of the multi-use path to minimize conflicts with the busy entrance. Phase I, II & III / Lemont Park District / Louise Egofske – Executive Director / 630.257.6787 x3010 / louise-egofske@lemontparkdistrict.org/ Safe Routes to School Funds (SRF) and Local funding
Project Team	K. Hayes, B. Zentner, J. Chiczewski, M. Stock, M. Reznicek, D. Doffin, R. Neilson.
Construction Cost / Fee / Year	$3M / $27550K / 2015

Project / Client	County Line Road: I-294 to IL 64 Cities of Northlake and Elmhurst
Scope of Work / (Contractor) / Client POC	The Award Winning project involved Phase 1 and 2 design engineering services including the preparation of a regional traffic evaluation and corridor study which investigated the feasibility of adding access to eastbound North Avenue from southbound I-294 at County Line Road. The existing configuration is a complex intertwining of two Interstate expressways (I-294 and I-290), two strategic regional arterials (North Avenue and Lake Street) and several frontage roads including County Line Road. There are numerous bridges, underpasses, ramps, connector roads, and traffic signals that facilitate the movement of traffic along and between the various routes. The initial effort included traffic counts, an origin-destination study, crash analysis, geometric studies, and operational analysis of the viable design alternatives. In addition to traffic safety and operational impacts, the study evaluated the environmental and socio-economic impacts to the adjacent neighborhoods and to each community as a whole. In consultation with Northlake, Elmhurst, Cook County, IDOT, and ISTHA, the ESI Team prepared a Phase 1 Study featuring an innovative concept that proposed to widen the bridge carrying Lake Street over North Avenue to accommodate a counter-flow ramp. Community outreach and funding assistance was also provided. Phase II design engineering services included the preparation of intersection design studies, drainage studies, utility coordination, structural design, and the preparation of contract plans and special provisions. Specific design elements included roadways, storm sewers, stormwater detention, watermain relocation, bridges, retaining walls, traffic signals, and street lighting. Addressing comments from IDOT, ISTHA, Cook County and permitting from the Illinois Environmental Protection Agency and City of Northlake (MWRDGC waivered community) was required. Phase I & II / City of Northlake / Mayor Jeff Sherwin / 708.343.8700 / northlakemayor@comcast.net and North Central Council of Mayors / Leonard Cannata / 708.453.9100 / lcannata@westcook.org / Surface Transportation Program (Urban), Illinois Tollway and Local Funding
Project Team	J. Chiczewski, A. Malone, M. Reznicek, A. Bryant, G. Mraz, B. Henrichs, K. Hayes, B. Zentner, S. Moy
Construction Cost / Fee / Year	30 M / $4M / 2012-2017

Project / Client	N. Broadway Interim Pump Station and Force Main, Lombard, IL Village of Lombard
Scope of Work / (Contractor) / Client POC	The Village of Lombard has been progressing toward separating their combined sewers for several years. As a part of this effort, the Village had previously constructed a wet well and trunk line for the Gatz Pond watershed area. The current project included the design of a 13,000 gpm interim storm water pump station, using the previously constructed wet well, and 30" force main to handle up to the 10 year storm event overflows. The project included the design included sizing of the pumps, rehabilitation of the existing wet well, generator and a control building to house the electrical equipment, SCADA controls and transfer switches for the generator. The building work included foundation design, modification of a precast modular building with electrical, heating and ventilation and the addition of a membrane roof. The wet well included two 8,000 gpm axial pumps and a 300 gpm dewatering pump to lower the water level in the wet well after storms. All pumps are controlled with variable frequency drives for better control. This project was unique as the pump station was controlled by a level sensor 2,500 feet downstream in an existing manhole in the existing storm sewer system. ESI prepared contract documents for the project. It is currently under construction and will be completed in 2018. Phase II / Village of Lombard / Ying Miao – Project Manager / 630.620.5977 / miaoy@villageoflombard.org / Local funds
Project Team	B. Henrichs, A. Malone, J. Chiczewski, D. Doffin
Construction Cost / Fee / Year	$1.5M / $240K / 2015-2016

Project / Client	Wastewater Study, Bement, IL Village of Bement
Scope of Work / (Contractor) / Client POC	The Village of Bement had been experiencing flooding and some residents had experienced basement backups during heavy rainfall events. The Village desired to determine if re-routing the flows from a pump station to a different route to the wastewater treatment plant would resolve the flooding issues without creating problems elsewhere. The Village had a limited budget and did not want to perform flow monitoring of the wastewater system. The system was analyzed by using historic pump station records, pipe sizes and estimated demands from existing users. Using this information, a study was conducted to determine if the existing sewer lines and pump stations were adequate to handle the re-routed flows and if doing so would resolve the current flooding areas. The study concluded that the existing infrastructure was sized properly to handle the current flows, but it was determined that there appeared to be a high level of infiltration and inflow entering the system, which was a potential cause of the flooding issues. Phase I / Village of Bement / Pat Tieman – Village President / 217.678.4741 / bement.village@mchsi.com / Local funds
Project Team	Anthony Malone, D. Clark, S. Lackey
Construction Cost / Fee / Year	n/a / $16.3K / 2015

Project / Client	Lift Station Improvements, Lombard, IL Village of Lombard
Scope of Work / (Contractor) / Client POC	The Village of Lombard desired to upgrade 12 sanitary and stormwater lift stations because of standing water around these stations during a recent heavy storm. Six stations were included in the first phase and two stations were included in the second phase. Generators were provided for four stations, two stations included new pumps and three stations included new control cabinets. The existing or new control cabinets were raised, or raised and relocated, on six of the eight stations with new concrete pads for the improvements to keep the equipment a minimum of one foot above the high water level of the recent storm event. As many of these lift stations were located within the floodplain, raising the elevation of the control cabinets required a significant concrete pad with footings and stairs. Services provided by ESI included full-time inspection and observation of all contractors' operations; coordination of material testing; review of shop drawings and submittals; documenting daily work production; preparation of contractor's pay estimates and change orders; and preparation of final documentation and record drawings. Phase III / Village of Lombard / Ray Schwab – Project Manager / 630.620.5740/ Local funding
Project Team	K. Hayes, A. Malone
Construction Cost / Fee / Year	$450K / $140K / 2012

Project / Client	Jefferson Street Resurfacing, Bensenville, IL Village of Bensenville
Scope of Work / (Contractor) / Client POC	ESI provided construction management and quality documentation services for the resurfacing of Jefferson Street from Church Road to County Line Road in Bensenville. The project consisted of combination curb and gutter replacement, installation of sidewalks and ADA compliant ramps, pavement patching and replacement of driveways and the installation of new lighting. Services included project management, construction staking, observation of the work, material QA inspection, construction schedule monitoring, and documentation to ensure quality in the final product. Extensive coordination was required with the affected home owners and businesses for driveway access during construction. ESI provided construction management and observation services for the replacement of 1,000 lineal feet of 12" watermain along busy Irving Park Road (IL Route 19) for the Village of Bensenville. The project included installation of new watermain, valves and fire hydrants, chlorination of the new main, connection to the existing water system and new services to several businesses along Irving Park Road. Extensive coordination was required by ESI's Resident Engineer on a daily basis to maintain daily lane closures and access to the businesses' parking lots throughout the project. The work also included the extension of an 8' x 3' box culvert with precast box culvert sections, pavement patching and restoration of the parkway and sidewalks. ESI's services included daily observation of the contractor's work for compliance with the contract documents, construction staking, measurement and calculation of daily quantities, material QA inspection, final project closeout and preparation of record drawings. Phase III / Village of Bensenville / Joseph Caracci, P.E. – Director of Public Works / 630.350.3435 / jcaracci@bensenville.il.us / STP, MFT and Local funding
Project Team	K. Siksta, K. Hayes, B. Zentner, D. Doffin, M. Stock, J. Chiczewski
Construction Cost / Fee / Year	$900K / $165K / 2015-2016

Project / Client	DuPage County On-Call Stormwater & Drainage Services DuPage County Division of Transportation
Scope of Work / (Contractor) / Client POC	Under contract to provide on-call drainage & stormwater engineering services for DuPage County Department of Transportation. Meyers Road - Successfully completed the Meyers Road Drainage Study which included analysis of overland flooding and surcharging storm sewers, site investigation and drainage report. Site survey was performed and an XP-SWMM model was created to determine the hydraulic capacity and efficiency of the existing storm sewer and the origin of the flooding issues experienced along Meyers Road. Over 18 alternatives were modeled, with 3 recommended alternatives presented to the County. Our responsibilities included analyzing the sub-basin, identifying the deficiency and creating cost effective solutions to the problem. York Road - DuPage County was receiving complaints regarding the impact of flooding caused by an existing ditch during moderate storm events. As part of this project the County desired to re-route the ditch into a storm sewer system located around the perimeter of the property. In order for the improvement to be allowed hydraulic analysis had to be performed in order to ensure that the time of concentration, peak runoff, and runoff volume were not increased downstream. XP-SWMM modelling software was using during this project. Once all stake-holders agreed to the solution, Phase II plans, specifications, and estimates will be prepared for bidding purposes. Our responsibilities included analyzing the sub-basin, hydraulic calculations, drainage design, public involvement, and creating cost effective solutions to the problem. Hydraulic models were developed to analyze both the existing storm sewer system and proposed drainage improvements. The existing drainage problems were identified by the drainage study and 3 alternative solutions were proposed to address the flooding problems. The proposed solutions will increasing the storm sewer system capacity by constructing a new 54” storm sewer branch and a new outlet structure at its outfall to the ditch. ESI has been rewarded a new contract by DuPage County to implement the proposed drainage solution. Phase I & II / DuPage Co. DOT / Paul Krueger / 630.407-6914 / paul.krueger@dupageco.org / Local Funding
Project Team	A. Bryant, B. Zentner, M. Heidtke, B. Henrichs, J. Chiczewski
Construction Cost / Fee / Year	$500K / $125K / Ongoing

Project / Client	Regional Detention Basin / Facility, Westmont, IL Village of Westmont
Scope of Work / (Contractor) / Client POC	ESI was contracted by the Village of Westmont to provide Phase 1 and 2 design engineering services for the creation of a regional detention facility along Cass Avenue in the Village of Westmont. The Village owns several adjacent parcels of land that are approximately 4.4 acres in total area. The proposed basin will be a wetland bottom basin and provide water quality and detention storage for future developments within the Village. As part of this project ESI performed hydraulic analysis and modelling using XP-SWMM software, best management practice design, green infrastructure, sub-contractor coordination, preparation of construction plans, specifications, cost estimates, wetland mitigation, permitting, and parking lot design. Phase II / Village of Westmont / Noriel Noriega. – Asst. Director of Public Works / 630. 981.6295/ nnoriega@westmont.il.gov
Project Team	A. Bryant, B. Zentner, M. Heidtke, J. Chiczewski
Construction Cost / Fee / Year	$800K / $85K / Ongoing

Partial Listing of ESI's Project Experience

		Design Enginering										Wastewater Related Improvements						Stormwater Engineering					Resident Engineering					
Client	**Project Description**	**Roads & Parking Lots**	**Underground Utilities / Structures**	**Storm Sewers, Sanitary Sewers & Water Mains**	**Storm Water & Sanitary Sewer Analysis**	**Storm Water Retention / Dention Facilities Analysis & Design**	**Traffic Signals / Ped. Crossing Signals / Street Lighting**	**SCADA**	**All Pump Station Related Work**	**Water Distribution Related Work**	**STP, CMAQ, ITEP, RTA, CDBG & Other Related Grants**	**Lift Station Analysis**	**Sanitary Sewer Evaluation Study**	**Modifications to Existing Facilities**	**CMOM Programs**	**Waste Water Pumping Stations & All Appurtenances**	**IEPA Experience / Related Grants**	**Engineering Reviews, Field Inpsections & Evaluations**	**DuPage Co. Stormwater & Floodplain Ordinance Adherence**	**Storm Water & Analysis**	**Storm Water Retention / Dention Facilities Analysis & Design**	**Pump Station Related Work**	**Construction Engineering**	**Construction Staking / Inspection / Observation**	**Documentation of Quantities**	**Material Inspection**	**Preparation of Record Drawings**	**STP, MFT, CDBG & Local Funds**
Aqua Illinois, Inc.	Utility Cost Studies for Water and Wastewater		x	x				x										x							x			
Aqua Illinois, Inc.	Various Watermain Replacements		x	x						x							x											
Bement, Village of	2015 Wastewater Study			x	x							X	X															
Bement, Village of	Bement Village Engineering Services	x	x				x								x								x	x	x	x	x	
Bensenville, Village of	Irving Park Road Watermain CM																						x	x	x	x	x	x
Bensenville, Village of	Irving Park Streetscape Ph 2 & 3																						x	x	x	x	x	
Bensenville, Village of	Jefferson Street Resurfacing																						x	x	x	x	x	
Bloom Township	Design / Construction / Program Manager for Bloom Township Facility	x	x	x	x	x	x			x				x			x			x	x		x	x	x	x	x	x
Bolingbrook, Village of	Boughton & Preston Traffic Study						x																					
Bolingbrook, Village of	Kings Drive Reconstruction	x	x	x	x	x	x				x				x					x	x						x	x
Bolingbrook, Villlage of	Schmidt Road Structure Replacement	x	x	x	x	x	x			x	x				x					x	x						x	x
Capital Development Board	Construct Military Vehicle Parking - Paris Armory, Edgar County CDB 546-250-017	x	x	x	x	x								x			x			x	x		x	x	x	x	x	
Capital Development Board	Eastern Illinois UST - CDB 815-010-652		x																				x	x	x	x	x	
Capital Development Board	Mattoon Armory - CDB 546-205-019	x	x	x	x	x								x						x	x		x	x	x	x	x	
Capital Development Board	Upgraded Wash Rack Mattoon Armory-Coles Co Proj.#546-205-020			x									x	x									x	x	x	x	x	
Catlin/Danville	Catlin Alternative Corridor Feasibility Study	x					x																					
Champaign Park District	On-Call Civil Engineering Services	x					x																x	x	x	x		
Champaign, City of	2009 - 2015 Champaign Street Program	x																					x	x	x	x		
Channahon, Village of	US Route 6 at I-55 East Frontage Road	x	x				x				x									x	x							
Charleston, City of	9th & Lincoln Intersection	x	x																				x	x	x	x		
Charleston, City of	20th Street Dual 12th Waterline			x						x							x											
Chicago, City of	West Ridge Nature Preserve																						x	x	x	x	x	x
Chicago, City of	Residential New Street Construction																						x	x	x	x	x	
Danville, City of	Danville Stadium Inspection & Parking Lot Reconstruction	x	x								x							x									x	
Downers Grove, Village of	Downers Grove Watermain CM																						x	x	x	x	x	
DuPage County DOT	DuPage On-Call Drainage Projects		x	x	x	x			x									x	x	x	x							
DuPage County - Public Works	DuPage On-Call Drainage Projects		x	x	x	x			x									x	x	x	x							
DuPage County	Warrenville Road / CH 3 Improvements	x	x				x				x								x	x	x							
DuPage County	Nelson's Highview Watermain Improvements																						x	x	x	x	x	x

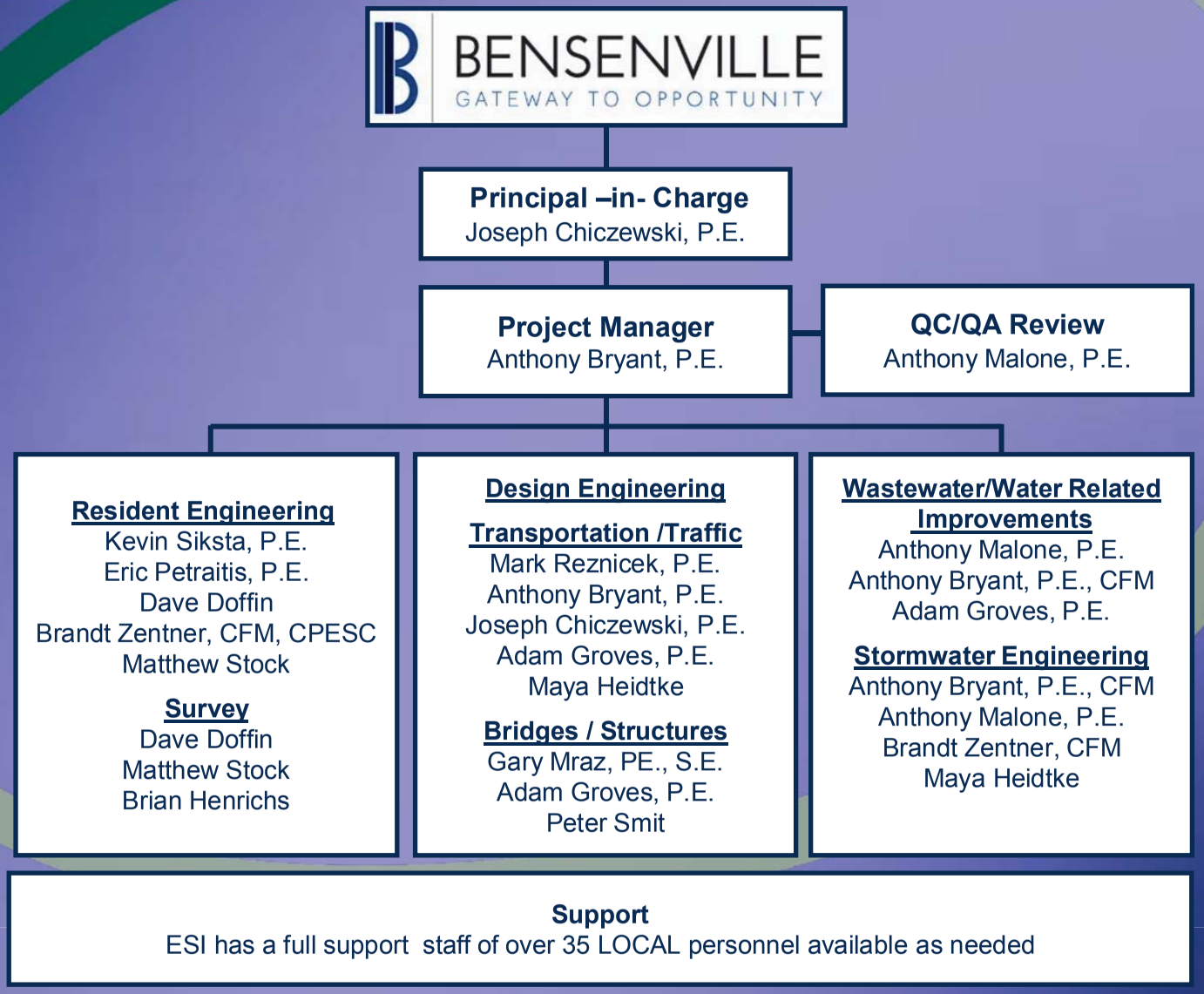
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Elizabeth, Village of	Water and Wastewater Studies		x	x								x	x			x												
Elmwood Park	Elmwood Park Sewer Connector							x													x	x	x	x	x	x		
Evanston, City of	Emerson/Green Bay/Ridge Intersection Improvements Design & Construction	x	x	x	x	x	x	x		x	x		x		x		x			x	x		x	x	x	x	x	x
Evanston, City of	Howard Street Traffic Signal Ph 2 & 3	x	x	x	x		x											x					x	x	x	x	x	x
Geneva, City of	Rt. 31 Water Main Replacement			x													x											
Glen Ellyn Public Works	Crescent Boulevard Construction Management																						x	x	x	x	x	
CDOT	4900 S. Kedzie Vertical Clearance Improvement																						x	x	x	x	x	
IDOT	PTB 167/015: Project Management	x	x	x	x	x							x	x					x	x	x						x	
IDOT District 1	PTB# 163/13- IL 43 (Harlem Ave)	x	x	x	x	x					x							x		x	x							
IDOT District 9	IDOT D9 Various Construction Inspection PTB 171-18																						x	x	x	x		
ISTHA	Tollway Maintenance Facility On-Call Services		x	x	x	x		x	x	x	x	x	x	x		x	x		x	x	x		x	x	x	x		
Kane County Division of Transportation	Kane County Highway Safety Improvement Project	x					x																					
Lake County Department of Transportation	Lake County In House Design Engineering Services	x		x			x																					
Lake County DOT	Crash Analysis - Rollins at Cedar Lake and Lewis at Sunset	x					x																					
Lemont Park District	Centennial Park Improvements	x	x	x	x	x	x				x			x	x			x	x	x	x		x	x	x	x	x	x
Lemont Park District	Northview Park		x	x	x	x						x	x		x		x			x	x		x	x	x	x	x	x
Lombard, Village of	N. Broadway Interim Pump Station and Force Main		x	x	x			x	x			x							x			x						
Long Grove, Village of	Village Wide Water System Analysis		x					x	x	x	x				x	x	x	x										x
Long Grove, Village of	IL Rte 83 NEW Water System		x					x	x	x	x		x		x	x	x	x		x	x		x	x	x	x	x	x
Long Grove, Village of	Village Wide Traffic Study						x				x																	
Long Grove, Village of	Street Rehabilitation Program	x																					x	x	x	x		
Long Grove, Village of	Downtown Long Grove Streetscape & Master Plan	x	x	x	x	x	x			x	x		x	x	x	x	x			x	x							
Long Grove, Village of	Engineering Services	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x
Naperville	95th & Knoch Knolls - Traffic Signals	x					x																					
Northlake, City of	County Line Road: I-294 at North Avenue	x	x	x	x	x	x			x	x							x	x	x	x							
Schaumburg, Village of	Northwest Tollway Watermain Replacement																						x	x	x	x	x	
Schaumburg, Village of	On Call Traffic Engineering	x					x																					
Schaumburg, Village of	Utility Improvements																						x	x	x	x	x	

Partial Listing of ESI's Project Experience

		Design Enginering										Wastewater Related Improvements						Stormwater Engineering					Resident Engineering					
Client	**Project Description**	**Roads & Parking Lots**	**Underground Utilities / Structures**	**Storm Sewers, Sanitary Sewers & Water Mains**	**Storm Water & Sanitary Sewer Analysis**	**Storm Water Retention / Dention Facilities Analysis & Design**	**Traffic Signals / Ped. Crossing Signals / Street Lighting**	**SCADA**	**All Pump Station Related Work**	**Water Distribution Related Work**	**STP, CMAQ, ITEP, RTA, CDBG & Other Related Grants**	**Lift Station Analysis**	**Sanitary Sewer Evaluation Study**	**Modifications to Existing Facilities**	**CMOM Programs**	**Waste Water Pumping Stations & All Appurtenances**	**IEPA Experience / Related Grants**	**Engineering Reviews, Field Inpsections & Evaluations**	**DuPage Co. Stormwater & Floodplain Ordinance Adherence**	**Storm Water & Analysis**	**Storm Water Retention / Dention Facilities Analysis & Design**	**Pump Station Related Work**	**Construction Engineering**	**Construction Staking / Inspection / Observation**	**Documentation of Quantities**	**Material Inspection**	**Preparation of Record Drawings**	**STP, MFT, CDBG & Local Funds**
St. Charles, Village of	First Street Redevelopment	x	x	x	x	x	x			x			x				x			x	x							
Westmont, Village of	Westmont Stormwater Review Services		x	x	x	x									x			x	x	x	x							
Westmont, Village of	Cass Avenue Regional Detention Facility		x	x	x	x								x					x	x	x							
Will Co. Hwy. Dept.	IL 394 at Exchange Street																						x	x	x	x	x	
Wilmington, City of	So. Arsenal Road at IL Rt. 53 - Intersection Improvements	x	x	x	x	x	x			x	x			x			x	x		x	x		x	x	x	x	x	x
Wilmington, City of	South Arsenal Rd. at IL 53 - Temporary Traffic Signals						x																x	x	x	x		
Wilmington, City of	IL Rte 53 at North River Road Intersection	x	x	x	x	x	x				x			x				x		x	x							

ESI's Engineering Services



Name/Registration/ Title	Years of Exp./ @Firm	IDOT/Municipal Project Experience
Joseph Chiczewski, P.E. / President **Education:** Northern Illinois University, DeKalb, Illinois *Masters of Business Administration* University of Illinois, Urbana-Champaign, Illinois *Bachelor of Science, Civil Engineering* **Registration:** Professional Engineer: Illinois, Michigan, Missouri **Professional Associations:** American Society of Civil Engineers, American Public Works Association, Institute of Transportation Engineers Illinois Road Builders Association • Technology • IDOT Liaison • Chicago DOT Liaison	33/14	**Jefferson Street Resurfacing, Bensenville** – Project Principal. See project details in the SIMLILAR PROJECT EXPERIENCE section. **Centennial Park Improvements, Lemont** – Project Principal. See project details in the SIMLILAR PROJECT EXPERIENCE section. **Emerson/Ridge/Green Bay Intersection Improvement, Evanston -** Project Principal. See project details in the SIMLILAR PROJECT EXPERIENCE section. **County Line Road: I-294 to IL 64, Northlake**– Project Principal. See project details in the SIMLILAR PROJECT EXPERIENCE section. **Cass Avenue Regional Detention Basin / Facility, Westmont, Illinois** – Project Principal. See project details in the SIMLILAR PROJECT EXPERIENCE section. **N. Broadway Interim Pump Station & Force Main, Lombard** – Project Principal. See project details in the SIMLILAR PROJECT EXPERIENCE section **DuPage County On-Call Stormwater & Drainage Services -** Project Principal. See project details in the SIMLILAR PROJECT EXPERIENCE section **South Arsenal Road at IL 53, Wilmington -** Project Principal. See project details in the SIMLILAR PROJECT EXPERIENCE section. **Irving Park Streetscape, Bensenville** – Project Principal. Construction phase services were provided for the streetscape of Irving Park (IL 19) from Eastview Avenue to Church Road. The project consisted of brick paver removal, combination curb and gutter replacement, installation of decorative sidewalks and ADA compliant ramps, pavement patching and replacement of driveways and the installation of new lighting. Services included project management, construction lay-out, observation of the work, material QA inspection, construction schedule monitoring, and documentation to ensure quality in the final product. Extensive coordination was required with the affected businesses for driveway access during construction. The project was funded through the Village of Bensenville. **Irving Park Road Water Main Replacement, Bensenville** – Project Principal. Construction management and observation services were provided for the replacement of 1000 lineal feet of 12" water main along busy Irving Park Road (IL Route 19) for the Village of Bensenville. The project included installation of new water main, valves and fire hydrants, chlorination of the new main, connection to the existing water system and new services to several business' along Irving Park Road. Extensive coordination was required by ESI's Resident Engineer on a daily basis to maintain daily lane closures and access to the business' parking lots throughout the project. The work also included the extension of an 8' x 3'

Joseph Chiczewski, P.E. / President *Continued* **Associations:** American Council of Engineering Companies (ACEC) of Illinois: • Board Member (2010-2013) • ACEC – AGC Joint Construction Committee **Selected Continuing Education:** **Univ. Of WI:** Preparing Environmental Impact; Statements for Highways; Value Engineering; Managing a Quality Assurance Program; Modern Roundabout Design **Northwestern University:** Traffic Management of Land Development; Highway Capacity **ACEC / CECI:** IDOT Drainage; Construction Inspection and Materials; Stormwater Design		box culvert with precast box culvert sections, pavement patching and restoration of the parkway and sidewalks. ESI's services included daily observation of the contractor's work for compliance with the contract documents, construction layout, measurement and calculation of daily quantities, material QA inspection, final project closeout and preparation of Record Drawings. **US Route 6 at I-55 East Frontage Road, Channahon** – Project Principal. Planning and design engineering services for the intersection improvement of US Route 6 at the East I-55 Frontage Road at Illinois Route 6 including the installation of traffic signals, street lighting, drainage facilities, and water main relocation. The work included intersection design studies, drainage studies, geotechnical investigation and the preparation of contract plans and specifications. The project required coordination with IDOT to secure permitting. **Kings Drive Reconstruction & Storm Sewer Replacement, Bolingbrook** Project Principal. Phase 1 study and Phase 2 design for the reconstruction, widening and extension of Kings Road from Rodeo Drive to Remington Boulevard in the City of Bolingbrook. The scope of the improvement included widening the roadway from a 2-lane (one lane in each direction) cross-section to a 2-lane cross section with grassy median and on-street bicycle accommodations. Project also included drainage analysis and design of a closed drainage system, storm sewer replacement, sidewalk, and street lighting. Extensive coordination between the City of Bolingbrook, Will County, Bolingbrook Golf Club, adjacent land developers and the designers for a proposed roundabout at the north project limit was required. **MFT Street Programs, Long Grove, Illinois –** Project Principal. The Street Rehabilitation Programs was a multi-year contract (3 contracts for 3 years each) consisting of survey, design, and resident engineering services for the resurfacing or reconstruction of several roadways located within residential areas of the Village of Long Grove. The scope of services included data collection and preparation of plans, specifications, estimates and bidding documents. The rehabilitation program consists of complete or partial asphalt removal, asphalt grinding to profile streets, base course undercut and reconstruction, driveway removal and replacement, aggregate base paving, binder paving, surface paving, shoulders on non-curbed streets, landscaping, pavement marking, necessary pavement cores, and miscellaneous repairs particular to this project. The project is being funded in part with Motor Fuel Tax revenue and in part with Village Funds.

Kevin Hayes / P.E., A.I.A. / Vice President **Education:** University of Wisconsin-Milwaukee, Milwaukee, WI Bachelor of Science, Architecture **Registration:** Professional Engineer – Wisconsin Licensed Architect – Illinois **Selected Continuing Education:** IDOT: Construction Claims IDOT: Construction Inspection and Materials; Detention Basin Design Construction Law and Claims	33/8	**Jefferson Street Resurfacing, Bensenville, Illinois-** Project Principal. See project details in the SIMLILAR PROJECT EXPERIENCE section **Irving Park Road Watermain Main Replacement and Culvert Extension, Bensenville, IL –** Project Manager for construction management and observation services for the replacement of 1000 lineal feet of 12" watermain along busy Irving Park Road (IL Route 19) for the Village of Bensenville. Project included installation of new watermain, valves and fire hydrants, chlorination of the new main, connection to the existing water system and new services to several business' along Irving Park Road. Extensive coordination was required by ESI's Resident Engineer on a daily basis to maintain daily lane closures and access to the business' parking lots throughout the project. The work also included the extension of an 8' x 3' box culvert with precast box culvert sections, pavement patching and restoration of the parkway and sidewalks. ESI's services included daily observation of the contractor's work for compliance with the contract documents, construction layout, measurement and calculation of daily quantities, material QA inspection, final project closeout and preparation of Record Drawings. **Bloom Township Maintenance Facility, Chicago Heights, IL –** Provided design and construction engineering services for a new maintenance facility including office space, garage and material storage units with a salt storage dome in Chicago Heights, Illinois. The project was required as part of an environmental remediation at the old township maintenance facility. The 8,000 SF facility includes three garage bays for vehicle maintenance, approximately 2000 square feet of office and meeting space, on-site parking, lighting, security, fencing, storm water design and utility design as well as on site storage for salt and other material storage. Architectural services include building programming, development of the architectural and structural design including oversight of the MEP services, bid documents and construction phase services. Site design services include topographic survey, site layout, utility design, stormwater management and detention design and permitting. **Union Station Lighting Improvements, Chicago, Illinois** - Construction engineering services were provided for the installation of ornamental lighting and ADA sidewalk upgrades on the streets surrounding Historic Union Station in downtown Chicago. The work included constructing light pole foundations, conduit installation, ornamental light pole installation, reconstructing the sidewalks on Adams Street and Jackson Boulevard; constructing ADA ramps; and street resurfacing with new pavement markings for the streets adjacent to Union Station. Many of the pole foundations were installed over the underground portions of Union Station and at vaulted sidewalk locations which required specialized beam supported or structural foundations to be installed from below. Extensive coordination was required with the Union Station, Metra and Amtrak operations staffs for work over platforms, tracks and active pedestrian areas

Kevin Hayes / P.E., A.I.A. / Vice President *Continued* **Professional Associations:** Association of Licensed Architects Illinois Road Builders Association Planning & Design Board – Chairman 2009 – 2011 IDOT AGC Joint Co-op American Consulting Engineers Council of Illinois Illinois Tollway Liaison Committee Illinois Chamber of Commerce Infrastructure Committee		of the station. Special structural slabs were also required in order to install the new ADA accessible ramps at the street corners around the station. **ADA Ramps South, Chicago Department of Transportation -** Project Principal/Project Manager for construction phase engineering services for ADA Ramp modifications to 528 ramps at 105 different corners/locations in the City of Chicago. The project included removal and replacement of pavement, curb & gutter and sidewalks and placement of ADA compliant corner ramps including tactile tiles. Several locations also included relocation of catch basins and inlets and relocation of utility manholes to accommodate the new ramps. ESI's duties include inspection of contractors work for compliance to plans and specifications, daily documentation of quantities in accordance with CDOT procedures, verification of contractor's layout and detailed QC measurements and review of the ADA Ramps and materials incorporated into the work. **Storm Water Pump Station, Elmwood Park, IL** – Project Manager for construction of a four pump storm water pumping station that includes a wet well, valve vault, 1000 kW Generator and a separate pump control building. The project also included installation of reinforced concrete pipe and storm water structures and HDPE force main piping, Motor control Center and Transfer Switch and pump and SCADA control panels. Responsibilities include field observation of the work for compliance to the specifications, daily documentation of quantities and coordination of the work with the contractor, construction manager and the adjacent Oak Park County Club. **IDOT Pumphouse #27 Rehabilitation, Chicago, IL -** Project Manager. **ESI Consultants** provided Construction Engineering services as a subconsultant for a complete rehabilitation of an 8 – 30,000 GMP pumping facility adjacent to the Bishop Ford Expressway in Chicago. The entire electrical and mechanical systems were removed and replaced including all new pumps. The electrical systems rehabilitation consisted of new switchgear, motor control center, motor starters, SCADA panel, CT Cabinets, transformers, power panels and communication systems. New mechanical systems included duct work, exhaust and supply fans, slide gates, knife gates and heating and cooling systems and installation of a 36" recirculation line.

Anthony Malone / P.E. / Vice President **Education:** University of Illinois at Urbana-Champaign Bachelor of Science, Agricultural Engineering Major: Structures University of Illinois at Urbana-Champaign Master of Science, Civil Engineering Major: Structures **Registration:** Professional Engineer: Illinois **Certifications:** Lake County Stormwater Management Commission: Enforcement Officer Exam Kane County: Qualified Engineer Review Specialist	33/13	**County Line Road: I-294 to IL 64, Northlake**– Project Manager. See project details in the SIMLILAR PROJECT EXPERIENCE section. **Emerson / Ridge / Green Bay Roads Renovations - Evanston, IL** – Designer for Watermain. See project details in the SIMLILAR PROJECT EXPERIENCE section **Wastewater Study, Bement, IL** – Project Manager and Report Writer. See project details in the SIMLILAR PROJECT EXPERIENCE section **North Broadway Interim Pump Station and Force Main, Lombard, IL**- Project Manager and Designer. See project details in the SIMLILAR PROJECT EXPERIENCE section **Lift Station Improvements, Lombard, IL** - Project Manager and Resident Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section **Route 31 Water Main Replacement, Geneva, IL -** ESI Consultants was responsible for the investigation and for providing final engineering plans for the replacement of 2,800 lineal feet of 4" diameter water main with 10" diameter water main along Route 31 between Stevens Street and the northern City limit. A water main along North Street was also connected to the new main as a well as the residential water services along the alignment. The City coordinated with the Geneva Park District so that most of the new water main alignment could be placed in a easement within Wheeler Park. Permits were obtained from the Illinois Department of Transportation, Illinois Historic Preservation Agency, Illinois Department of Natural Resources (IDNR) EcoCAT and the Illinois Environmental Protection Agency water main construction permit and NPDES/SWPPP/NOI permit for discharge water from a construction site **Military Vehicle Parking Improvements, Mattoon Armory, Capital Development Board, Mattoon, IL** - This project included the reconstruction of the existing 8,300 square yard military vehicle parking area with a concrete pavement as well as construct two new asphalt parking areas for personnel vehicle parking totaling 3,900 sqaure yards. Improvemnts to the drainage system and site lighting was also included. A chainlink security fence was provided around the military vehicle parking area. **Military Vehicle Parking Improvements, Paris Armory, Capital Development Board, Paris, IL** - This project included the construction of an 11, 200 square yard military vehicle parking area with aconcrete pavement as well as the reconstruction of the west entrance (2,100 square yards) with concrete pavement. 2,500 square feet of asphalt pavement by an existing loading dock is to be reconstructed with concrete pavement. An existing personnel parking area and east entrance totaling 2,600 square yards will be milled and overlaid. Improvements to the drainage system and site lighting were also

Anthony Malone / P.E. / Vice President *Continued* **Professional Associations:** American Public Works Association (APWA): Audit Committee Co-Chairman, Chicago Metro Chapter, 2009 **Fox Valley Branch** President, 2007 Vice President, 2006 Secretary, 2005 Treasurer, 2004 Awards Committee Member: 2000-2003 Chairman 2001 and 2002 Audit Committee Co-Chairman, 2009-2016		included. A chain-link security fence was provided around the military vehicle parking area. **Village Hall Detention Facility, South Barrington, IL-** The Village of South Barrington Village Hall site is split by Poplar Creek and has the Village Hall on the east side of the creek. The Village desired to expand the Village Hall and the project required a detention facility. The Village had estimated that the removal of the excess soil would cost approximately $400,000 and the Village still was required by the Metropolitan Water Reclamation District of Greater Chicago to provide detention for a 2 acre lot on the west side of the creek. Phoenix and Associates, with assistance from ESI, proposed a concept plan that incorporated a detention facility on the west side of the creek that would serve all of the Village's detention requirements and in addition provided potable and fire protection water to both the Village Hall and the future lot. **First Street Redevelopment, City of St. Charles, IL** - Project included redevelopment of a five block area along the Fox River in St. Charles. Services were provided for both the City and the Developer. As the original area had been constructed and redeveloped several times over the last several decades, the City desired to have a master design of the entire area both under the ground and at the surface. Wastewater and stormwater studies, design of water, sanitary sewer and storm sewer improvements were design for the City. First Street was realigned to create a uniform street section in a uniform right of way. Various on-street and off-street parking layouts and street widths were considered and examples in nearby communities were observed to understand how they functioned during congested times. Building layouts, utility connections and grading components were provided to the developer. **Pasadena Stormwater Improvements, Kane County, Illinois** - The Pasadena Drive community is a single family residential subdivision in unincorporated Montgomery located north of Baseline Road. As this area was frequently flooded by the passing of stormwater runoff through the area, the County assisted the residents via a Cost-Share program using a CDB grant. Approximately 3,250 lineal feet of 30" and 36" RCP was constructed. In addition, an existing 12" drain pipe through the subdivision was removed so the new pipe could be constructed. Service laterals to some of the dwellings were replaced and backflow preventers were installed on some of the laterals/sump lines.

David Clark / P.E. / Vice President **Education:** University of Illinois at Urbana-Champaign *Bachelor of Science, Civil Engineering* **Registration:** Professional Engineer: Illinois 062-042199 **Professional Associations**: Illinois Association of Highway Engineers **Committees:** IDOT: District 4 and District 5 Diversity Council Chairman; Warranty Specification and Guidelines Committee Member; Total Quality Management for Materials Certification Initiative Leader; Materials Certification Training Team, Pavement Mgmt. Committee Member, Work Zone Safety and Safety Council Committee Member, District 5	37/12	**South Arsenal Road West, Wilmington, Illinois –** The South Arsenal Road West is the first phase of a complete reconstruction of the existing two lane road to a three section with a bi-directional turn lane. The project consisted of earth work, pipe culverts, curb and gutter, new full depth bituminous pavement, pavement markings and seeding. Project Manager for the project providing construction and materials inspection, documentation and project management for the project **South Arsenal Road East, Wilmington, Illinois –** The South Arsenal Road East is the second phase of a complete reconstruction of the existing two lane road to a three section with a bi-directional turn lane. The project consisted of earth work, storm sewer, pipe culverts, curb and gutter, new full depth bituminous pavement, pavement markings and seeding. Project Manager for the project providing construction and materials inspection, documentation and project management. This project was done using the IDOT ICORS System for project management and documentation. **Lyons Road Reconstruction from Belgium to Catlin, Vermilion County, IL –** Project included Planning, Design, and Construction services for the improvement of 3.3 miles on Lyons Road from Illinois Route 1 in Belgium to the east edge of Catlin, Illinois. Limits go through Danville and Catlin Townships and the Village of Belgium. The project was completed in two segments. The first segment, in the Village of Belgium, consisted of the reconstruction of approximately 2,000 lineal feet of severely deteriorated oil and chip roadway. A new 6" HMA roadway surface 22' wide was constructed on this segment and included concrete curb and gutter from Danville Street to IL 1. A new storm sewer system was built as part of the improvement. Stage construction and maintaining local access was a key element of the Planning, Design, and Construction Management tasks on the project. Material excavated from the project was recycled where possible into the project with the milled oil and chip used to improve a portion of the rural area, and recycled aggregate used for base course. The second segment in this rural area involved the planning for and grading ditches as well asthe Planning, Design, and Construction of a new surface that was completed in the Summer of 2012. **IL 13 from Marion to Harrisburg, Illinois Department of Transportation, District 9 –** Provided construction inspection on this 20 mile resurfacing project from Marion to Harrisburg. Construction work included milling, placing a bituminous overlay and other miscellaneous safety improvements. Services provided included construction and materials inspection, quantity and material documentation, and safety improvement inspection. **IL 13 from IL 148 to Division Street in Carterville, Illinois Department of Transportation, District 9 –** Provided construction inspection on this add lane and resurfacing project. Construction work included new

David Clark / P.E. / Vice President

Continued

Publications:

IDOT: District 4 and District 5 Public Awareness Manual, Materials Certification Training Manual

Awards:

District 4 Engineer of 1986
Secretary's Pin 1999
Illinois First Pin 199
Partnering Award 20
Partnering Award 20

Other Activities:

IDOT: Statewide Par Coordinator and Faci

Selected Continuing Education:

FEDERAL HIGHWAY ADMINISTRATIO N: Value Engineering Quality Initiative program, Construction Claims
NORTHWESTER N UNIVERSITY: Traffic Mgmt.. and Land Development, Highway Capacity

pavement, turn lanes, signal improvements, milling, placing a bituminous overlay and other miscellaneous safety improvements. Services provided included construction and materials inspection, quantity and material documentation, and safety improvement inspection.

Frontage Road Construction Along IL 13, Illinois Department of Transportation, District 9 – Provided construction inspection on this 20 mile resurfacing project from Marion to Harrisburg. Construction work included milling, placing a bituminous overlay and other miscellaneous safety improvements. Services provided included construction and materials inspection, quantity and material documentation, and surveying.

Concrete Street Maintenance, Champaign, Illinois – Provided engineering services for a multi-year contract with the City of Champaign to maintain multiple streets throughout the city. The improvements include PCC patching, PCC pavement reconstruction, storm sewers, sidewalks, ADA sidewalk ramps, and landscaping. The services provided for the approximately one-and-a-half million dollar annual project includes construction observation, citizen relations, project documentation, survey, and overall project management.

Enhancement Streetscape and Sidewalk Improvement Project, Paris, IL – Project Manager providing construction inspections services for the Streetscape and Sidewalk Improvement Project in the downtown area of Paris, Illinois. The project is a federally funded enhancement project that reconstructed the sidewalks in the downtown area. The services provided included management of material testing, QA/QC testing observation of concrete and other materials, construction. inspection, progress documentation of quantities and materials placed, final documentation throughout the project ensuring all the proper forms are completed according to the State regulations and procedures. This project was done using the IDOT ICORS System for project management and documentation.

Henderson Street in Galesburg, Illinois Department of Transportation, District 4 – This existing two and three lane section roadway through the City of Galesburg's busiest business district was transformed to a state of the art five lane facility with only minor disruption to traffic and the business along the route. A new 7-foot by 8-foot box culvert storm sewer system was placed directly down the center of the existing roadway while maintaining the existing adjacent traffic. The project was almost two miles in length and lasted for two construction seasons. Traffic management was the major issue for construction and considerable planning went into the staging, traffic management, alternate routes and access to businesses. Special signing was incorporated to direct motorist to the businesses they needed and accesses were marked throughout the work zone to guide them safely

Mark Reznicek / P.E. / Senior Project Manager **Education:** University of Illinois, Chicago, Illinois Bachelor of Science, Civil Engineering **Registration:** Professional Engineer – Illinois **Professional Associations:** Illinois Association of Highway Engineers Illinois Road Builders Association IDOT/Road Builders Forum **Continuing Education:** AASHTO: Design Procedures for New Pavements American Concrete Pavement Association: Concrete Pavement Rehabilitation	32/13	**Centennial Park Road Improvements, Lemont** - Project Manager. See project details in the SIMLILAR PROJECT EXPERIENCE section. **Emerson/Ridge/Green Bay Intersection Improvement, Evanston** - Project Manager. See project details in the SIMLILAR PROJECT EXPERIENCE section. **County Line Road: / I-294 at North Avenue, Northlake**– Senior Project Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section. **South Arsenal Road at IL 53, Wilmington, IL -** Project Manager. See project details in the SIMLILAR PROJECT EXPERIENCE section. **US Route 6 at I-55 East Frontage Road, Channahon** – Project Manager. Planning and design engineering services for the intersection improvement of US Route 6 at the East I-55 Frontage Road at Illinois Route 6 including the installation of traffic signals, street lighting, drainage facilities, and water main relocation. The work included intersection design studies, drainage studies, geotechnical investigation and the preparation of contract plans and specifications. The project required coordination with IDOT to secure permitting. **IL Route 53 at North River Road Intersection, Wilmington, Illinois** – Project Manager. Phase 1 and II engineering services for the City of Wilmington for the widening and installation of traffic signals at the intersection of River Road and IL Route 53. The scope of the improvement included widening of the existing River Road 3 lane cross section to provide a 5 lane cross section at the intersection of IL Route 53 (1 right turn lane, 2 left turn lanes and 2 receiving lanes). Auxiliary lanes were also proposed along IL Route 53 including left and free flow right turn lanes to River Road and an acceleration lane for northbound IL Route 53. The project design used the latest 3-D modeling software. The project required coordination with the Federal Highway Administration (FHWA), Illinois Department of Transportation (IDOT), Will County, and the City of Wilmington for permitting related to roadway improvements. **Kings Drive Reconstruction & Storm Sewer Replacement, Bolingbrook, Illinois** – Project Manager. Phase 1 study and Phase 2 design for the reconstruction, widening and extension of Kings Road from Rodeo Drive to Remington Boulevard in the City of Bolingbrook. The scope of the improvement included widening the roadway from a 2-lane (one lane in each direction) cross-section to a 2-lane cross section with grassy median and on-street bicycle accommodations. Project also included drainage analysis and design of a closed drainage system, storm sewer replacement, sidewalk, and street lighting. Extensive coordination between the City of Bolingbrook, Will County, Bolingbrook Golf Club, adjacent land developers and the designers for a proposed roundabout at the north project limit was required. **75th Street LAPP Street Resurfacing Improvements / DuPage County** –

Mark Reznicek / P.E. / Senior Project Manager *Continued* **IDOT PD** **Training:** Phase I Process Overview, Location and Environmental Studies, Roadside Safety, Staging and Traffic Control, Pavement Design, Specifications and Special Provisions, Managing Consultant Projects **IDOT / ACEC :** Earthwork, Bicycle and Pedestrian Facilities Planning Seminar National Highway Institute: Roadside Design Guide, Value Engineering, Specification Writing Northwestern University: Traffic and Transportation Engineering		Design engineering services for the preparation of contract plans, specifications and estimates for LAPP resurfacing project for DuPage County Department of Transportation. Improvements also included intersection improvements, patching, curb & gutter and sidewalk repairs including any modifications for ADA compliance. The project involved field survey, development of plan sheets, calculation of contract quantities, assembling of project specifications, and development of the project cost estimate for a 3 mile length of this county route. The plans required submittal to IDOT for approval to meet requirements of their LAPP program involving federal funds **Illinois Department of Transportation - District One Program Management for Various Traffic Studies –** The project involved overseeing all traffic studies in the 6 county area of IDOT District One. The work performed included: performing crash studies, warrant analysis, speed studies, capacity analysis, guardrail analysis, and traffic counts including analysis of peak hour and 24 hour traffic; Managing and reviewing various traffic studies prepared by other consultant engineering firms; Reviewing and selecting candidate locations for possible inclusion in the Highway Safety Improvement Program, including preparation of the annual submittal to the District and Statewide Safety Committees. **Downtown Long Grove Pedestrian, Parking and Traffic Study** – The purpose of the Study was to look at Village concerns at the main downtown intersection of Robert Parker Coffin Rd and Old McHenry Road. These concerns include, but are not limited to, intersection safety, pedestrian safety, parking surplus/shortages and truck movements through the intersection. The study involved the collection of pedestrian and parking counts, the analysis of existing parking inventory and future demand, and the evaluation of existing and future multi-modal circulation in the study area, including pedestrian safety, traffic calming, truck access, truck and bus loading and unloading activities, and on-street parking. This study required solutions to address pedestrian crossing safety, increase traffic capacity and the flow of traffic through downtown Long Grove through parking lot modification that would provide alternate truck routes. **Illinois Route 53, Phase II IDOT, Addison, Illinois –** Project Manager overseeing the preparation of contract plans and specifications for the $8.98 million reconstruction of IL 53 from Army Trail Road to North Avenue. The project also included additional lanes, a new storm sewer system, water main relocation, and traffic signal modernization.

Anthony Bryant, P.E., CFM / Director of Municipal Services **<u>Education:</u>** Valparaiso University Bachelor of Science, Civil Engineering **<u>Registration:</u>** Professional Engineer Illinois **<u>Certifications:</u>** Certified Floodplain Manager	20/2	**Cass Avenue Regional Detention Basin / Facility, Westmont, Illinois** – Project Manager. See project details in the SIMLILAR PROJECT EXPERIENCE section. **DuPage County On-Call Drainage Engineering, Meyers Road, Oak Brook Terrace, IL** – Project Manager. See project details in the SIMLILAR PROJECT EXPERIENCE section. **South Arsenal Road @ Illinois Route 53, Wilmington Illinois** – Drainage Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section. **County Line Road: I-294 at IL 64, Northlake**– Drainage Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section. **Kings Drive Reconstruction & Storm Sewer Replacement, Bolingbrook** Phase 1 study and Phase 2 design for the reconstruction, widening and extension of Kings Road from Rodeo Drive to Remington Boulevard in the City of Bolingbrook. The scope of the improvement included widening the roadway from a 2-lane (one lane in each direction) cross-section to a 2-lane cross section with grassy median and on-street bicycle accommodations. Project also included drainage analysis and design of a closed drainage system, storm sewer replacement, sidewalk, and street lighting. Extensive coordination between the City of Bolingbrook, Will County, Bolingbrook Golf Club, adjacent land developers and the designers for a proposed roundabout at the north project limit was required. **IL Route 53 at North River Road Intersection, Wilmington, Illinois** - Phase 1 and II engineering services for the City of Wilmington for the widening and installation of traffic signals at the intersection of River Road and IL Route 53. The scope of the improvement included widening of the existing River Road 3 lane cross section to provide a 5 lane cross section at the intersection of IL Route 53 (1 right turn lane, 2 left turn lanes and 2 receiving lanes). Auxiliary lanes were also proposed along IL Route 53 including left and free flow right turn lanes to River Road and an acceleration lane for northbound IL Route 53. The project design used the latest 3-D modeling software. The project required coordination with the Federal Highway Administration (FHWA), Illinois Department of Transportation (IDOT), Will County, and the City of Wilmington for permitting related to roadway improvements. **ITEP Rantoul Bike Path, Rantoul, Illinois -** Assembled an Illinois Transportation Enhance Program (ITEP) Grant to help fund the Rantoul Bike Path Extension for the Village of Rantoul (the Village received the Grant). Project Manager for the Phase I and Phase II Engineering Design Services. The proposed path is a 10-foot wide hot-mix asphalt multi-use path that extends the Village bike path system from the downtown area to a local park. The path will be approximately 8,000 feet in length. Associated improvements will include the addition of shade trees, updated drainage, peripheral sidewalk, and roadway crossings.

Anthony Bryant, P.E., CFM / Director of Municipal Services *Continued*		**Storm Drainage Study Master Plan, Rantoul, Illinois -** *Project Engineer* for this project which entails the development of a master stormwater study for the Village of Rantoul. This study includes development of a general watershed map, determination of flows in each delineated sub-area, analysis of existing storm sewer and detention facilities, and design of proposed storm sewers and detention basins as required to alleviate drainage concerns within the Village. Provides storm sewer analysis, detention basin design and watershed analysis. Hydroflow was used to analyze the existing storm sewer system and design the proposed system. **Stormwater Review Services, Westmont, Illinois -** Has provided stormwater review services for the village of Westmont since 2003, assisting the Village with its stormwater permit reviews for conformity to the DuPage Countywide Stormwater and Flood Plain Ordinance and the requirements of the Village of Westmont. This project involves detailed stormwater management review of above and below ground detention basins, storm sewer analysis and best management practices. Has completed reviews for over 300 developments in the Village. **Cumnor Road Improvements, Westmont, Illinois -** *Project Manager* for full reconstruction and drainage improvements for a 1400-foot section of a residential road, including new curb and gutter, sidewalk, roadway lighting and underground storm sewer system. The existing roadway cross-section is to be widened, new sidewalk installed, pervious concrete pavement, and new storm sewer. **ITEP Rantoul Bike Path, Rantoul, Illinois -** Assembled an Illinois Transportation Enhance Program (ITEP) Grant to help fund the Rantoul Bike Path Project for the Village of Rantoul (the Village received the Grant). Project Manager for the Phase I and Phase II Engineering Design Services. The proposed path is a 10-foot wide hot-mix asphalt multi-use path that runs along an abandoned railroad right of way and connects the Village bike path system with the downtown area. The path will be approximately 10,100 feet in length. Associated improvements will include the addition of shade trees, updated drainage, peripheral sidewalk, roadway crossings, and removal of existing tracks within perpendicular roadways. **Eagle Heights North Street Rehabilitation and Water Main, Elgin, Illinois -** *Assistant Project Manager* for the complete replacement of approximately 13,500 linear feet of 8-inch water main and water services in the Eagle Heights North Subdivision in the City of Elgin. The project includes the replacement of all existing curb and gutter, sidewalks, and driveway aprons as well as the replacement of some storm and sanitary sewer and the milling and resurfacing of approximately 2.5 miles of City streets. The project includes coordination with the City, Contractor, various utility companies, local residents, and businesses.

Kevin Siksta, P.E. / Construction Manager **Education**: Southern Illinois University, Carbondale, Illinois Bachelor of Science, Civil Engineering **Registration:** Professional Engineer, Illinois, 062-058413 **Professional Associations:** American Water Works Association Construction Management Association of America	18/5	**Centennial Park Improvements, Lemont, IL –** Construction Manager. See project details in the SIMLILAR PROJECT EXPERIENCE section. **Jefferson Street Resurfacing, Bensenville, Illinois** Project Manager. See project details in the SIMLILAR PROJECT EXPERIENCE section. **South Arsenal Road at IL 53, Wilmington –** Construction Manager. See project details in the SIMLILAR PROJECT EXPERIENCE section. **Emerson/Ridge/Green Bay Intersection Improvement, Evanston –** Construction Manager. See project details in the SIMLILAR PROJECT EXPERIENCE section. **Irving Park Streetscape, Bensenville, Illinois -** Construction phase services were provided for the streetscape of Irving Park (IL 19) from Eastview Avenue to Church Road. The project consisted of brick paver removal, combination curb and gutter replacement, installation of decorative sidewalks and ADA compliant ramps, pavement patching and replacement of driveways and the installation of new lighting. Services included project management, construction lay-out, observation of the work, material QA inspection, construction schedule monitoring, and documentation to ensure quality in the final product. Extensive coordination was required with the affected businesses for driveway access during construction. The project was funded through the Village of Bensenville. **Union Station Lighting Improvements, Chicago, Illinois -** Project consisted of the installation of ornamental lighting and ADA sidewalk upgrades on the streets surrounding Historic Union Station in downtown Chicago. The work includes constructing light pole foundations, conduit installation, ornamental light pole installation, reconstructing the sidewalks on Adams Street and Jackson Boulevard; constructing ADA ramps; and street resurfacing with new pavement markings for the streets adjacent to Union Station. Many of the pole foundations will be installed over the underground portions of Union Station and at vaulted sidewalk locations that require specialized beam supported or structural foundations to be installed from below. Extensive coordination is required with the Union Station, Metra and Amtrak operations staffs for work over platforms, tracks and active pedestrian areas of the station. Special structural slabs are also required in order to install the new ADA accessible ramps at the street corners around the station. Extensive pedestrian controls are being implemented to protect the thousands of commuters and rail passengers that use the station each day. **CDOT ADA Sidewalk Improvements, Central Area, Chicago, IL** - Construction Engineer on the final stages of installation of ADA compliant sidewalks and driveways. Work included Coordination with Aldermen, businesses and stakeholders adjacent to more than 500 corner locations in the central city with asphalt resurfacing of adjacent streets and alleys. **West Ridge Nature Preserve, Chicago Department of Transportation, Chicago, IL –** Construction engineering services were provided for the

Kevin Siksta, P.E. / Construction Manager *Continued* **Selected Continuing Education:** IDOT Doc. of Contract Quantities, 17-12852 IDOT Portland Cement Concrete Level I IDOT Hot Mix Asphalt Level 1 IDOT Bituminous Concrete Density Tester IDOT Technology Transfer Training – Construction Material Inspection Documentation, IDOT ICORS Training; IDOT Mixture Aggregate Technician; 10-Hour OSHA Construction Safety; Electronic RE Visual Training IRTBA Materials Management; CDOT CCE Manual & the Construction Mgmt. Database; CDOT ADA Training		construction of a new 20-acre park on Chicago's north side. The construction project consisted of debris and tree removal; clearing and grubbing; earth excavation; re-grading and paving for asphalt, concrete and stone pathways; concrete footings for boardwalk; boardwalk; ADA ramps; utilities including storm sewer, water and electrical; fishing stations and overlooks; fence repair and installation; tree installation; and seeding and plugging. **Northwest Tollway Water Main Replacement, Schaumburg, IL –** Construction services for installation of 12-inch and 16-inch water main through the Motorola Campus between Meacham Rd. and Hammond Dr. as a result of the I-90 Tollway widening. This project was locally funded and services included full-time inspection and observation of all contractors' operations, address the needs of those impacted on the Motorola Campus and adjacent projects, inspection and documentation of all traffic control, document daily work production, prepare contractor's pay estimates and change orders, prepare final documentation and record drawings. **Illinois Department of Transportation (District 1), Construction Inspection for Maintenance and Repair Projects -** Resident Engineer/Project Manager. Providing Phase III engineering services for construction inspection on various expressway and arterial roadside maintenance and repair projects. Various maintenance projects are sweeping, guardrail repair, pedestrian barrier/fence repair, cable road guard repair, drainage repair, PCC and bituminous concrete pavement repair, curb and gutter repair, pavement marking/painting/reflectorization, sign repair, drainage, surveying for existing damage, marking up existing damage, preparation of work orders, and preparing and submitting any required documentation. **Chicago Department of Water, Chicago Avenue Pumping Station to Lakeview Pumping Station (Gold Coast), Chicago, Illinois** – Project Manager for the Sahara Leak Detection and Eddy Current Testing of 36-inch PCCP and replacement of distressed sections of 36-inch PCCP. Coordinated a design/build with the client for the replacement of localized PCCP. Assisted with field inspection and documentation of Eddy Current test results with verification of replaced PCCP. Heavily coordinated the public relations with the Department of Water Management, other agencies, Alderman, and surrounding community. **Chicago Department of Transportation, US 41 South Relocation Construction Services, Chicago, IL -** Resident Engineer. Provided project management services for the relocation of US 41 between Harbor Avenue and 79th Street. Managed all construction phases for this relocation. Services consist of roadway construction, traffic signal modernizations, new street lighting, landscaped median installation, permeable pavement parking lane construction, ADA compliant sidewalk work, sewer and drainage structure installation and pavement marking placement.

Phil Tegeler / P.E. / Project Manager **Education:** University of Illinois, Champaign-Urbana, Illinois *Master of Science, Civil Engineering* *Bachelor of Science, Civil Engineering* **Registrations:** Professional Engineer, Illinois, No. 062-31588 Professional Engineer, Missouri, No. 2003021198 NCEES Record, No. 23395 **Continuing Education:** Intro to Bicycle Planning - League of Illinois Bicyclists IDOT Documentation of Contract Quantities #13-0511 ICORS Proliance Training Local Roads & Streets - THE Conference	49/10	**Military Vehicle Parking Improvements, Mattoon Armory, Capital Development Board, Mattoon, IL** - This project included the reconstruction of the existing 8,300 square yard military vehicle parking area with a concrete pavement as well as construct two new asphalt parking areas for personnel vehicle parking totaling 3,900 sqaure yards. Improvemnts to the drainage system and site lighting was also included. A chainlink security fence was provided around the military vehicle parking area. **Military Vehicle Parking Improvements, Paris Armory, Capital Development Board, Paris, Illinois**- This project included the construction of an 11, 200 square yard military vehicle parking area with aconcrete pavement as well as the reconstruction of the west entrance (2,100 sqaure yards) with concrete pavement. 2,500 square feet of asphalt pavement by an existing loading dock is to be reconstructed with concrete pavement. An existing personnel parking area and east entrance totaling 2,600 square yards will be milled and overlayed. Improvemnts to the drainage system and site lighting was also included. A chainlink security fence was provided around the military vehicle parking area. **Lyons Road Reconstruction from Belgium to Catlin, Vermilion County, IL –** Project included Planning, Design, and Construction services for the improvement of 3.3 miles on Lyons Road from Illinois Route 1 in Belgium to the east edge of Catlin, Illinois. Limits go through Danville and Catlin Townships and the Village of Belgium. The project was completed in two segments. The first segment, in the Village of Belgium, consisted of the reconstruction of approximately 2,000 lineal feet of severely deteriorated oil and chip roadway. A new 6" HMA roadway surface 22' wide was constructed on this segment and included concrete curb and gutter from Danville Street to IL 1. A new storm sewer system was built as part of the improvement. Stage construction and maintaining local access was a key element of the Planning, Design, and Construction Management tasks on the project. Material excavated from the project was recycled where possible into the project with the milled oil and chip used to improve a portion of the rural area, and recycled aggregate used for base course. The second segment in this rural area involved the planning for and grading ditches as well asthe Planning, Design, and Construction of a new surface that was completed in the Summer of 2012. **Project in Piatt County, Illinois Department of Transportation, District 5 –** Resident Engineer on 5 miles of a new interstate west of Monticello, Illinois. The project included management of multiple contracts and the construction and materials inspection , concrete and asphalt paving, six (6) new bridges, documentations, layout, drainage and erosion control. **IL 130 Reconstruction Project From Philo To Champaign In Champaign County, Illinois Department Of Transportation, District**

Phil Tegeler / P.E. / Project Manager *Continued*		**5 –** Project included construction inspection, documentation, and layout on five (5) miles of reconstruction including embankment and new concrete , and full width bituminous shoulders. **Dewitt County Roadway Resurfacing, Illinois Dept. Of Transportation, District 5** Resident Engineer on three (3) separate contracts simultaneously on approximately 40 miles of asphalt resurfacing. Project included management, construction inspection and layout, and documentation. **IL Route 1 Bridge Reconstruction South Of Georgetown, Vermilion County, Illinois Department Of Transportation, District 5 -** Project included construction inspection, layout, and documentation on total bridge reconstruction over river. **Supervising Construction Field Engineer, Twelve County Area In East Central Illinois, Paris, Illinois Department Of Transportation, District 5 –** Nine years experience as supervising field engineer for all construction projects in approximately one third of the District's counties. The responsibilities included supervising 5 to 15 Resident Engineers and 30 to 100 support staff on a variety of large and small highways projects including grading, paving, signals, lighting, pavement marking, guardrail, and drainage among others. Major accomplishment included the completion of 20 miles of new interstate with multiple contractors with and accelerated construction timetable. **Land Acquisition Projects, Illinois Department of Transportation, District 9 –** Project Manager on two Land Acquisition projects for IDOT, District 9. These projects consisted of appraising and negotiating parcels of land for highway projects in District 9. **Land Acquisition Projects, Illinois Department of Transportation, District 7 –** Project Manager on two Land Acquisition projects for IDOT, District 7. These projects consisted of appraising and negotiating parcels of land for highway projects in District 7. **Land Acquisition Projects, Illinois Department of Transportation, District 3 –** Project Manager on two Land Acquisition projects for IDOT, District 3. These projects consisted of appraising and negotiating parcels of land for highway projects in District3.

Eric Petraitis, P.E. / Senior Resident Engineer **Education:** University of Illinois at Urbana-Champaign Bachelor of Science, Civil Engineering **Registration:** Professional Engineer: Illinois **Selected Continuing Education:** IDOT Doc. of Contract Quantities IDOT ADAAG / PROWAG Complete Streets Policy Implementation Hot Mix Asphalt & Asphalt Preservation CCDD Update Seminar Concrete	28/2	**South Arsenal Road at Illinois 53, Wilmington, Illinois –** Resident Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section. **Howard Street Resurfacing & Traffic Signals, Evanston, IL** - Construction engineering services were provided for the HMA Resurfacing of Howard Street from Kedzie Avenue to Sacramento Avenue in Evanston. The improvements included the replacement of traffic signals at Kedzie and new traffic signals at Sacramento, new intersection street lighting, adjustments of several utility structures, removal and replacement of curb and gutter, driveway pavement, sidewalk and ADA ramps, thermoplastic pavement markings and landscaping. **Isabella Street Deck Rehabilitation, Evanston, IL** - Construction management and engineering services were provided for the rehabilitation of the Isabella Bridge deck. Construction items included scarification of the deck, deck patching, joint replacement, latex overlay and miscellaneous sidewalk and curb repairs. Services provided were daily construction and material inspection, and documentation of quantities. **CDOT ADA Sidewalk Improvements, Central Area, Chicago, IL** - Construction engineering services were provided for the installation of ADA compliant sidewalks and driveways in the City of Chicago. Work included Coordination with Aldermen, businesses and stakeholders adjacent to more than 500 corner locations. Asphalt resurfacing of adjacent streets and alleys. **Kedzie Avenue Bridge over Metra, Robbins, IL -** Construction engineering for new grade separation over railroad tracks. Scope of work included pile driving, construction of PCC footings, retaining walls, piers and abutments, placement of precast and steel beams, PCC bridge deck with sidewalk and parapet walls, installation of new storm sewer, relocation of existing 6", 8" and 12" watermains, installation of two traffic signals, service drives, guardrail, fencing, steel handrail, new signing, pavement markings and landscaping. **Center Street Reconstruction, Harvey, IL** - Construction engineering services were provided for the reconstruction of two lane HMA roadway to a three lane PCC pavement with new storm sewer, traffic signals, guardrail, signing, pavement markings, and landscaping. Scope of work also included relocating portions of existing 16" and 30" diameter watermains, replacement of double 8.5' x 10' box culvert, replacement of two railroad grade crossings and maintenance of traffic allowing for 24/7 access to adjacent intermodal facility operated by CNRR. **Central Avenue at Southwest Highway/93rd Street, Oak Lawn, IL** - Construction engineering services were provided for the widening of the intersection to allow for a new left turn lane along Central Avenue. Scope of work included PCC pavement widening, storm sewer adjustments, fire hydrant relocation, pavement patching, installation of ADA ramps,

Eric Petraitis, P.E. / Senior Resident Engineer *Continued* **Selected Continuing Education:** Pavement Restoration Program IDOT Highway Safety Improvement IDOT Piling IDOT Construction material Inspection Documentation ARRA In-Place Recycling & Reclamation IDOT RAP for Local Agencies NAPP Pavement Preservation: Applied Asset Mgmt. Training Course IDOT Rehabilitation of Streets and Highways IDOT Jurisdictional Transfer IDOT Urban Tree Preservation & Protection		replacement of traffic signal, diamond grinding, new signing, pavement markings and restoration of parkways with sodding and planting new trees. **Wentworth Avenue Reconstruction, Lansing, IL** - Construction engineering services were provided for the reconstruction of existing two lane HMA roadway to a three lane HMA roadway with curb and gutter. Scope of work included installing new storm sewer with pollution control structures, replacement of 4 x 4 box culvert, lowering of 8" watermain and installation of steel casing pipe under new box culvert junction chamber, relocating 1,000' of 24" transmission watermain, relocating fire hydrants, installing ADA ramps, replacing railroad grade crossing, new signing, pavement markings, traffic signal, and landscaping. **170th Street Reconstruction, South Holland, IL** - Construction engineering services were provided for the reconstruction of existing four lane HMA roadway to a new PCC roadway with variable widths to allow for bike lanes on and off the roadway. Scope of work included replacing segments of existing storm sewer with elliptical pipe to allow for adjustment of roadway profile to improve surface drainage, replacement of catch basins, relocation of fire hydrants and 8" watermain at location of intersection widening, replacement of three traffic signals, new street lighting, installation of HMA bike path, ADA ramps, replacing railroad grade crossing, new signing, pavement markings and landscaping. **Joe Orr Road (Relocated), Lynwood, IL** - Construction engineering services were provided for the reconstruction of existing two lane HMA roadway to a new four lane PCC roadway in a new alignment. Scope of work included installing new storm sewer with detention ponds, installation of a landscaped median and new traffic signal at relocated intersection with Torrence Avenue, new signing, pavement markings and landscaping. **Narragansett Avenue Reconstruction, Burbank, IL** – Construction engineering services were provided for the reconstruction of existing two lane HMA roadway to a new three lane HMA roadway with curb and gutter. Scope of work included installing new storm sewer, relocating existing street lighting, installing new traffic signal, sidewalk with ADA ramps, new signing, pavement markings and landscaping. **183rd Street Reconstruction and Extension, Tinley Park, IL** - Construction of new four lane PCC roadway to provide extension of 183rd Street west to LaGrange Road. Scope of work included installation of new storm sewer, relocation of 12" water main, installation of new street lighting, landscaped medians, sidewalk with ADA ramps, and railroad grade crossing, new signing, pavement markings, and landscaping.

Adam Groves / P.E. / Project Manager **Education:** Southern Illinois University, Edwardsville, Illinois *Bachelors of Science, Civil Engineering* **Registration:** Professional Engineer, IL 062-064459 **Certifications:** Doc. of Contract Quantities #09-0351	15/12	**Concrete Street Maintenance, Champaign, Illinois** – Provided engineering services for a multi-year contract with the City of Champaign to maintain multiple streets throughout the city. The improvements include PCC patching, PCC pavement reconstruction, storm sewers, sidewalks, ADA sidewalk ramps, and landscaping. The services provided for the approximately one-and-a-half million dollar annual project includes construction observation, citizen relations, project documentation, survey, and overall project management. **Enterprise Avenue and Off Street Parking, Effingham, Illinois** – Construction Project Manager for a new city street which included a cul-de-sac, curb and gutter, underground storm sewers, and parking lot. Mr. Groves was responsible for the planning and organizing of crews and subcontractors in conjunction with maintaining the timetables and budgets to complete the project. **HN Automotive Stormwater Management, Effingham, Illinois** – Project Manager for a Design/ Build project which consisted of replacing a drainage ditch that ran alongside the HN Automotive Building with the underground piping necessary to collect the storm water runoff and route it to the rear of the building. **IDOT District 3 Salt Dome Repairs, LaSalle & Princeton, Illinois -** Phase I and II Engineering for the rehabilitation of two (2) IDOT District 3 salt domes. The scope of work included site inspection to determine what repairs were necessary and development of contract documents for the repair work. Project involved structural inspection, structural plans and cost estimating. **Church Street Rehabilitation, Savoy, Illinois –** Design Engineer for the rehabilitation of a local collector street from US 45 to First Street. The project was a soil cement reclamation and overlay project, which also included improved shoulder widths, ditch grading and a new pedestrian crossing over the RR. The existing roadway was reclaimed with the additional of cement and gravel to stabilize the subgrade and correct the cross slope. A new 4" HMA roadway surface was then placed for the final roadway surface. Ditch flow lines were regarded to eliminate ponding areas and provide for wider roadway shoulders. The profile was raised at the railroad to improve intersection safety with the railroad and US 45. Coordination with IDOT, ICC, and the Railroad were all required to obtain permits to place the sidewalk and modify the crossing approach. **PCC Concrete Street Maintenance, Champaign, Illinois** – Design Engineer for a multi-year contract with the City of Champaign to maintain multiple streets throughout the city. The projects include PCC Patching, Local Street Rehabilitation, Urban Renewal, Maintenance and Planning. **Governor's Parkway, Madison County, Illinois** – Design Engineer for a new three lane, three mile roadway construction from Interstate 55 to Southern Illinois University in Edwardsville. Designed new arterial roads

Adam Groves / P.E. / Project Manager *Continued*		from scratch, Traffic and intersection design studies, new signals, designed box culverts, storm sewer systems, and signalized intersections. **Frank Scott Parkway West, St. Clair County, Illinois** – Design Engineer for the reconstruction, buildup, and advancement of a 2.3 mile main commuter route for Belleville. The improvements consisted of adding turn lanes, Intersection design studies, pavement widening, and drainage structure replacement. **Townway, Eastroad, Woodlawn, Fairlawn & Terrance, Woodridge Water Main Replacements / AQUA Illinois, Inc. / Danville, Illinois - D**eveloped the plans to replace outdated water mains with the combination of 8" ductile iron and 8" HDPE water main. The 20,200' (3.83 miles) of new water main will be located at various locations within the City of Danville. The water main projects will include adding new fire hydrants and reducing the number of dead ends to improve water quality and flow rates. The ultimate goal is to design plans for bidding and construction as well as securing IEPA, IDOT, and IHPA permits for the project. **Crestview Water Main Replacements / AQUA Illinois, Inc. / Danville, Illinois - D**eveloped an overall plan for replacing outdated six and eight inch water main with the combination of 12" ductile iron and 12" HDPE water main. The 3100' (.59 miles) of new water main was placed along Crestview Avenue within the City of Danville's Right-of-Way. The water main project was designed to improve flow rates throughout the subdivision and also utilized the boring of HDPE pipe to minimize the disturbance to the neighborhood driveways, trees and landscaping. The plan developed the methodology to construct the new lines and maintain water service to the users with minimal disruption. The ultimate goal was to design plans for bidding and construction as well as securing IEPA, IDOT, and IHPA permits for the project. **Lincoln Park Historic District Bikeway Path, Danville, Illinois** – Project Design Engineer for a scope of services that will be broken into three phases for the project; Phase I Engineering (Planning), Phase II Engineering (Design) and Phase III (Bidding and Construction Support). The three phases that will include items, such as; data collection, survey, drainage issues, environmental survey and clearances, roadway and bikeway path engineering services that will provide a set of design calculations, plans, specifications and construction documents that are sufficiently detailed for the bidding of the project.

Gary Mraz, P.E., S.E. / Structural Project Manager **Education:** University of Illinois, Urbana Champaign - *BS Civil Engineering* **Registration:** PE: IL 062-052396 SE: IL 081-005893	21/1	**County Line Road: I-294 at IL 64, Northlake**– Structural Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section. **Illinois Department of Transportation, Various Design – District 2** - Structural Engineer responsible for various design services throughout the District. Projects have included Final Design and Construction Documents for the installation of a 27-mile Fiber Optic Cable Communication System along I-39 from I-88 to I-90; Phase II Engineering Design Documents for IL 84 bridge north of Savanna, Illinois; Phase I Hydraulic Analysis for IL 75 double box culvert, southwest of Rockton, Illinois. **Ridge Road Phase I Project, Grundy County** - Structural engineer for Phase 1 Engineering service improvements to Ridge Road in Minooka, Illinois for Grundy County. Project includes widening over 0.5 miles of Ridge Road from two lanes to five lanes with pedestrian facility. Project also includes reconstruction of the at-grade CSX rail crossing and the in-service, staged replacement of the EJ&E railroad bridge in order to accommodate the proposed widened roadway section. **UPS, Jefferson Street Parking Lot Relocation - Chicago, IL** - Project Manager for site improvements and parking lot redevelopment. Responsibilities included traffic signal design at 14th Place and Canal Street, sidewalk replacement, street lighting upgrades, landscaping, and streetscape improvements. **Niles Park District, Bridge Replacements - Niles, IL** - Project manager responsible for the preparation of construction documents and permit acquisition for 2 bridge replacement projects. **Fox River Trail Pedestrian Bridge over IL Rt. 31 and the Fox River - St. Charles, IL** - Project manager for the construction and project engineer for the design of the Fox River Trail Pedestrian Bridge over Illinois Route 31 and the Fox River. The project includes an eleven span 903'-9" pedestrian bridge structure with spans ranging from 65'-9" to 125'-0". **Lake Street over Illinois Route 83 - DuPage County, IL** - Structural engineer for Phase I and Phase II engineering services for the Illinois Department of Transportation for the preliminary and final design and contract document preparation of the superstructure replacement and widening of a 3 span, continuous, composite, steel plate girder bridge. **North Avenue Bridge Reconstruction - Chicago, IL** - Project engineer for the replacement of the North Avenue bascule bridge over the Chicago River. The existing structure is a 3-truss, double leaf bascule structure that is no longer movable. The proposed replacement structure will be a 3-span (84-252-84), self-anchored, cable-stayed/suspension hybrid structure. The bridge will be 80-ft wide and will carry 4 vehicular traffic lanes and 2 sidewalks. A 10 inch thick post-tensioned deck supported on transverse steel box sections spaced 21-ft on center will be used on this structure. Architects and lighting consultants collaborated on the design to achieve the desired pylon, railing, and cable aesthetics. Services included the update to

Gary Mraz, P.E., S.E. / Structural Project Manager *Continued*		the Phase I documentation, preparation of historic reports and bridge marketing plan, geotechnical investigation, preparation of contract documents and post-construction services. Total construction cost was estimated at $15 million. **Drip Pan Attachments Contract Development -Chicago, IL** - Project manager for design of a structural support system for drip pans at parking lot owned by People's Auto Parking. The support system will be attached to the Chicago Transit Authority's structure and the drip pans will keep the rail lubrication material from dripping onto the parked cars. **Bridge and Culvert Inspection - St. Charles, IL** - Project manager for the 2001 biennial inspection and evaluation of 3 City of St. Charles bridges and 17 culverts. Structure inspections included 2 bridges over railroads and 1 over the Fox River. Engineering services included inspection and evaluation, completion of State inspection forms and documentation, preparation of bridge inspection reports, and preparation of a summary report with recommended improvements. **Algonquin Road- McHenry County, IL** - Structural engineer for Phase I and Phase II engineering services for the widening and reconstruction of Algonquin Road between Randall Road and west of Illinois Route 31, approximately 3900 meters. Responsible for in-depth inspection preparation of Bridge Condition Report, type, size and location drawings and final design and plan preparation for replacement of three existing creek crossings. The proposed single span structures were precast concrete deck beam superstructure. **6th Street Box Culvert Rehabilitation - St. Charles, IL** - Project manager/engineer responsible for the inspection, design, permit application, and contract document preparation for the replacement of an existing 66' long box culvert. The structure carries 2 lanes of local traffic over State Street Creek. **Chicago Bridge Inspection Program - Chicago, IL** - Project engineer responsible for the 1999/2000 biennial fracture critical inspection and evaluation of 343 City of Chicago bridges. Structure inspections included 47 movable bridges, 39 fixed bridges over water, 113 viaduct structures, 103 expressway overpasses, and 37 pedestrian bridges/tunnels. Engineering services included inspection and evaluation, completion of City and State inspection forms and documentation, preparation of bridge inspection reports, on-call engineering, and preparation of a summary report. **Elgin Bridge Program - Elgin, Illinois** - Project engineer responsible for the biennial inspection and evaluation of 12 City of Elgin bridges located over waterways. Services also included the completion of state inspection forms, preparation of bridge inspection reports, and the preparation of documents for the rehabilitation of seven bridges. Total construction cost was estimated at $600,000.

David Doffin / Res. Engineer 2 **<u>Education:</u>** Purdue University at Lafayette *Bachelor of Science, Construction Management Engineering Technology* **<u>Continuing Education:</u>** Designated Erosion Control Inspector – LCSMC Meridian Proliance Web-Based Project Management System ICORS Training & Construction Phase Process Course ASCE – Advanced HEC-RAS Hydraulic Modeling IDOT Documentation of Contract Quantities IDOT Portland Concrete Cement Level 1 IDOT Hot Mix Asphalt – Level 1 IDOT Mixture Aggregate Technician IRTBA Materials Management	12/12	**Centennial Park Improvements, Lemont, IL** - Resident Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section. **Emerson, Green Bay, Ridge Intersection Improvements, Evanston, IL.** Resident Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section. **North Broadway Interim Pump Station, Lombard, IL –** Resident Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section. **Jefferson Street Resurfacing, Bensenville, IL-** Resident Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section. **South Arsenal Road at IL 53, Wilmington Illinois –**Asst. Resident Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section. **West Ridge Nature Preserve, Chicago Department of Transportation, Chicago, IL** - Resident Engineering services for the construction of a new 20-acre park on Chicago's north side. The construction project consists of debris and tree removal; clearing and grubbing; earth excavation; re-grading and paving for asphalt, concrete and stone pathways; concrete footings for boardwalk; boardwalk; ADA ramps; utilities including storm sewer, water and electrical; fishing stations and overlooks; fence repair and installation; tree installation; and seeding and plugging. **IL Route 53 at North River Road Intersection, Wilmington, IL –** Planning, design and construction engineering services were provided for the City of Wilmington for the widening and installation of traffic signals at the intersection of River Road and IL Route 53. The scope of the improvement included widening of the existing River Road 3 lane cross section to provide a 5 lane cross section at the intersection of IL Route 53 (1 right turn lane, 2 left turn lanes and 2 receiving lanes). Auxiliary lanes were also proposed along IL Route 53 including left and free flow right turn lanes to River Road and an acceleration lane for northbound IL Route 53. The project design used the latest 3-D modeling software. The project required coordination with the Federal Highway Administration (FHWA), Illinois Department of Transportation (IDOT), Will County, and the City of Wilmington for permitting related to roadway improvements. **Lake Street Resurfacing, Evanston, Illinois -** Served as Field Engineer performing construction layout and documentation on the HMA Resurfacing of Lake Street for approximately 1.25 miles from McDaniel Avenue to Elmwood Avenue in Evanston. The improvement includes the reconstruction and adjustments of several utility structures, removal and replacement of curb and gutter, driveway pavement, sidewalk and ADA ramps, and thermoplastic pavement markings. **South Area 4 – WPA Street Reconstruction, Chicago, Illinois –** As Field Engineer for this project, ESI provided on-site observation of full street reconstruction of 108th Street from Stateline Road to Burley Avenue. The

David Doffin / Res. Engineer 2 *Continued*		proposed improvements included excavation, installation of storm sewer, concrete base course, curb & gutter, hot-mix binder and surface courses, ADA ramps, concrete driveways and alleys, pavement marking, signs, and parkway restoration. Duties also include project coordination with Alderman, CDOT, utility agencies and residents. Project documentation is prepared and processed through CDOT's website/database. **Archer Road, Streetscape & Lot Reconstruction, Long Grove –** This construction phase included plans, specifications and cost estimates for the reconstruction and redevelopment of Archer Road and parking lot. This included the creation of a new public road to serve four parking lots as part of the newly adopted Downtown Master Plan. Key technical issues included utility corridors, drainage improvements, sanitary sewer improvements, enhanced streetscapes, and incorporation of environmentally friendly design elements such as permeable pavement, bio-swales, & LED lighting. **Nelson's Highview Watermain Improvements, Glen Ellyn, IL -** ESI Consultants, Ltd. has been contracted by DuPage County Public Works Department to provide construction phase services for the installation of new watermains and house services in the Nelson's Highview subdivision. The project will involve installation of approximately 8,000 feet of 6", 8" and 10" mains in a connecting loop with a complete valve system, new fire hydrants and service connections to approximately 70 homes and businesses. The project also involves the removal and replacement of drainage culverts, driveway aprons and street patching. ESI conducted a comprehensive constructability review of the plans prior to bidding. **Sheridan Road Resurfacing & Sewer/Water Main Improvements, Evanston, Illinois -** Served as Assistant Resident Engineer on the HMA Resurfacing of Sheridan Road for approximately 1/2 mile from South Boulevard to Main Street in Evanston. The improvements completed in four stages included the installation of relief sewer, water main replacement, pavement patching, HMA resurfacing, removal and replacement of curb and gutter, sidewalk/driveway pavement and thermoplastic pavement markings. The project was federally funded which added federal compliance procedures to the process. **Naperville Road Warrenville Road Detention Retrofit, DuPage County, Illinois –** Project included modifications to expand the volume of the wet detention basin. Included dewatering the basin, regarding side slopes, modifying outfall flared end sections, stabilizing side slopes with special soil mixture and native vegetation. Also performed coordination with the Tollway, Village and impacted businesses. ESI also was able to make field adjustments that further increased the detention area.

Brandt Zentner / Project Engineer 2 / Resident Engineer 2 **Education:** University of Illinois at Urbana-Champaign *Bachelor of Science, Civil Engineering Primary concentration in Environmental Engineering and secondary in Hydrosystems Engineering* **Registration:** Certified Floodplain Manager, Certificate Number IL-04-00147 Certified Professional in Erosion and Sediment Control, Cert. 4508 Designated Erosion Control Inspector **Professional Associations:** IL Association for Floodplain and Stormwater Management	18/11	**DuPage County On-Call Drainage & Stormwater Services –** Drainage Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section. **Jefferson Street Resurfacing, Bensenville, Illinois-** Resident Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section. **Emerson / Ridge / Green Bay Intersection Renovation, Evanston, IL –** Resident Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section. **Cass Avenue Regional Detention Basin / Facility, Westmont, Illinois** – Project Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section. **County Line Road: I-294 to IL 64, Northlake**– Project Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section. **South Arsenal Road at IL 53, Wilmington –** Resident Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section. **Crescent Boulevard Improvement, Glen Ellyn, IL –** Project consisted of the realignment and reconstruction of 1 mile of FAUS roadway. The federally and locally funded project included installation of new storm sewer, watermain, new PCC Pavement, curb & gutter and sidewalks as well as construction of a 500 foot long soldier pile retaining wall. A roundabout was constructed to facilitate traffic flow in front of Glenbard West High School and a decorative median wall was also constructed to funnel pedestrian crossing for improved safety. The project was completed under a ten week expedited schedule during the summer break for the adjacent high school and athletic fields. **Irving Park Streetscape, Bensenville, Illinois-** Construction phase services were provided for the streetscape of Irving Park (IL 19) from Eastview Avenue to Church Road. The project consisted of brick paver removal, combination curb and gutter replacement, installation of decorative sidewalks and ADA compliant ramps, pavement patching and replacement of driveways and the installation of new lighting. Services included project management, construction lay-out, observation of the work, material QA inspection, construction schedule monitoring, and documentation to ensure quality in the final product. Extensive coordination was required with the affected businesses for driveway access during construction. The project was funded through the Village of Bensenville. **Irving Park Road Water Main Replacement, Bensenville, IL -** Construction management and observation services were provided for the replacement of water main along busy Irving Park Road (IL Route 19) for the Village of Bensenville. The project included installation of new water main, valves and fire hydrants, chlorination of the new main, connection to the existing water system and new services to several business' along Irving Park Road. Extensive coordination was required by ESI's Resident Engineer on a daily basis to maintain daily lane closures and access to the

Brandt Zentner / Project Engineer 2 / Resident Engineer 2 *Continued* **<u>Selected Continuing Education:</u>** IAFSM: • Floodplain Management and Letters of Map Revision • Stormwater Utilities in Illinois • Working Across Disciplines to Solve Floodplain & Stormwater Problems EROTEX: • Polymers and Sediment Control ASFPM: • Hydraulic Reports for IDOT Bridges over Water Crossings Seminar ASCE Environmental Engineering and Water Resources Group: • Basic HEC-RAS Seminar		business' parking lots throughout the project. The work also included the extension of a box culvert with precast box culvert sections, pavement patching and restoration of the parkway and sidewalks. ESI's services included daily observation of the contractor's work for compliance with the contract documents, construction layout, measurement and calculation of daily quantities, material QA inspection, final project closeout and preparation of Record Drawings. **Watermain Improvements, Contracts A & B, Downers Grove, IL –** Construction engineering services were provided for two separate contracts for the installation of new water mains and house services and the abandonment of the existing water mains and services within several residential and commercial areas. The projects involved the installation of approximately 6,200 feet of 6", 8" and 12" DIP and HDPE water main pipe, including 1,100 feet of directionally bored 12" DIP and HDPE pipe. The projects also included the installation of new valve vaults, valve boxes, fire hydrants and service connections to approximately 92 homes and businesses. The projects scope included the removal and replacement of storm sewer pipes, sidewalks, concrete curb and gutter, driveway aprons, HMA patching and the complete mill and overlay of several roadways. **Long Grove Street Rehabilitation Program, Long Grove –** Served as a Resident Engineer for the resurfacing and reconstruction of several miles of roadway located within residential areas of the Village of Long Grove. The scope of services included data collection and preparation of plans, specifications, estimates and bidding documents. The rehabilitation program consists of complete or partial asphalt removal, asphalt grinding to profile streets, base course undercut and reconstruction, driveway removal and replacement, aggregate base paving, binder paving, surface paving, shoulder rehabilitation on non-curbed streets, guardrail removal and replacement, landscaping, pavement marking, necessary pavement cores, and miscellaneous repairs particular to this project. Other projects include design, construction management and construction inspection services for Long Grove bridges. The project is being funded in part with Motor Fuel Tax revenue and in part with Village Funds. **IDOT Pumphouse #27 Rehabilitation, Chicago, IL -** Project Manager. **ESI Consultants** provided Construction Engineering services as a subconsultant for a complete rehabilitation of an 8 – 30,000 GMP pumping facility adjacent to the Bishop Ford Expressway in Chicago. The entire electrical and mechanical systems were removed and replaced including all new pumps. The electrical systems rehabilitation consisted of new switchgear, motor control center, motor starters, SCADA panel, CT Cabinets, transformers, power panels and communication systems. New mechanical systems included duct work, exhaust and supply fans, slide gates, knife gates and heating and cooling systems and installation of a 36" recirculation line.

Peter Smit, E.I. / Engineer 3 **Education:** University of Illinois at Urbana-Champaign *Master of Science*, Civil & Environmental Engineering *Master of Architecture*, Structures Option *Bachelor of Science,* Architectural Studies **Registration:** Professional Engineer Intern, Illinois **Certifications:** Documentation of Contract Quantities #15-0559	7/4	**IL-43 (Harlem Ave) over MWRDGC RR (PTB 163-13), Cook County, Illinois** – The project included designing a replacement for the northbound bridge including a soldier pile soil retention system. Services included development of preliminary and final GP&E sheets for the TS&L, conceptual design of soldier pile soil retention system, and general QAQC for the project. **US 62 over the Big Mississippi River (PTB 171-18), Cairo, Illinois** - Construction inspector for the steel and joists repair of this major river bridge crossing. Services provided were construction and materials inspection, documentation of repairs, and daily quantity documentation. **IL 13/127 Bridge over Beaucoup Creek north of Murphysboro (PTB 171-18) in Jackson County, Illinois.** Construction inspector for the construction of a proposed four span bridge on a new alignment for the southbound lanes of the future four lane expansion of IL 13/127 in Jackson County. The proposed bridge also provides for the removal of the existing bridge currently carrying IL 13/127 of Beaucoup Creek. Key construction items included earth, channel, structure, and borrow excavations, cofferdams, steel piling, erecting steel beams, concrete structure and superstructure, processing modified soil, aggregate base course, HMA Full depth pavement and shoulders, and aggregate shoulders. Services provided were construction and materials inspection, and daily quantity documentation. **IL 13/IL 154 Intersection reconstruction near Pinckneyville, Illinois**. Construction inspector for the removal of the existing wye at the intersection of IL 13 and IL 154 just west of Pinckneyville and replacing the intersection with a roundabout. Key construction items included earth and furnished excavation, special waste disposal, pavement removal, storm sewer, PCC Pavement, PCC combination curb & gutter, PCC sidewalk, HMA binder and surface courses and highway lighting. Services provided were construction and materials inspection, and daily quantity documentation. **Isabella Street Bridge Rehabilitation, Evanston, IL** - Phase I and II design services were provided for the rehabilitation of the Isabella Street Bridge over the North Shore Channel. The existing bridge is a two lane, three span, PPC I-Beam and concrete deck panel structure with a concrete overlay. The proposed improvements include scarification and patching of the existing deck overlay, reconstruction of the bridge joints, rehabilitation of the approach pavements and miscellaneous substructure and bridge rail repairs. **Champaign Streets Program, Champaign, IL** - The Champaign Concrete Street Maintenance is a multi-year project which includes the development of planning and programming services, design plans and construction supervision of various locations throughout the City of Champaign. This program provides for patching and total reconstruction of existing concrete

Peter Smit, E.I. / Engineer 3 *Continued*		streets and sidewalks through the use of state and local funding. The streets range in class from local to major collectors. The streets are designed and constructed with an importance focused on pavement longevity, drainage improvement and ADA compliance. The services include field assessments of existing street and sidewalk conditions, evaluating repairs, developing probable construction estimates, topographic survey, geotechnical reports, development of preliminary and final design plans for bidding, cost estimating, bidding, and construction inspection and management. The annual projects also require considerable coordination with residents and businesses within the improvement areas. The City of Champaign takes a very sensitive approach to communicating with the citizens within the community to advise them of construction activities and how they may affect them. **CH5 Over Hurricane Creek, Coles County Highway Department, Structure Number: 15-00164-00-BR** - Total Contract Amount $54,125.85, Engineering Amount $36,496.24 - Planning and design services for the bridge and box culvert replacements carrying CH 5 (Hutton Rd) over Hurricane Creek in Coles County, west of Hutton. The work included providing survey, geotechnical, hydraulic analysis services for the planning portion of the project. Design services included completing structural and roadway design, and contract specifications for a local agency letting. **South Griffin Street Bridge, Danville, Illinois** – The project included Phase II design services for a replacement bridge over Stoney Creek. Services included development of preliminary and final GP&E sheets for the TS&L, QAQC for the project, and calculations for quantities. **IL 13 over the Big Muddy River (PTB 171-18), Murphysboro, Illinois** - Served as the lead inspector for this contract. This is a dual three-span bridge on the east side of Murphysboro, Illinois over the Big Muddy River. The project included coffer dam construction, pile driving, bridge, and roadway construction. **Private Commercial Building, Charleston, Illinois** – Design and Architectural code review services for a single story 1520 SF commercial building including a storage garage, offices and site improvements. The building consists of a pre-engineered steel frame with insulated steel wall panels on a cast in place concrete foundation. **Yargus Manufacturing, Inc. – Loading Dock Retaining Wall** - Analysis, design, and plan preparation for a cast-in-place reinforced concrete retaining wall at a new loading dock on the Yargus Manufacturing grounds. Services include: load determination per building and AASHTO codes, retaining wall analysis and design, plan preparation.

Brian Henrichs / Sr. Technician 2	25/3	**County Line Road: I-294 to IL 64, Northlake**– Project Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section. **DuPage County On-Call Drainage & Stormwater Services –** Project Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section. **Emerson / Ridge / Green Bay Intersection Renovation, Evanston, IL –** Project Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section. **North Broadway Interim Pump Station and Force Main, Lombard, IL**- Project Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section **US Route 6 at I-55 East Frontage Road, Channahon, IL** - Planning and design engineering services for the intersection improvement of US Route 6 at the East I-55 Frontage Road at Illinois Route 6 including the installation of traffic signals, street lighting, drainage facilities, and water main relocation. The work included intersection design studies, drainage studies, geotechnical investigation and the preparation of contract plans and specifications. The project required coordination with IDOT to secure permitting. **Kings Drive Reconstruction & Storm Sewer Replacement, Bolingbrook, IL –**Phase 1 study and Phase 2 design for the reconstruction, widening and extension of Kings Road from Rodeo Drive to Remington Boulevard in the City of Bolingbrook. The scope of the improvement included widening the roadway from a 2-lane (one lane in each direction) cross-section to a 2-lane cross section with grassy median and on-street bicycle accommodations. Project also included drainage analysis and design of a closed drainage system, storm sewer replacement, sidewalk, and street lighting. Extensive coordination between the City of Bolingbrook, Will County, Bolingbrook Golf Club, adjacent land developers and the designers for a proposed roundabout at the north project limit was required. **IL Route 53 at North River Road Intersection, Wilmington, IL –** Phase l and II engineering services for the City of Wilmington for the widening and installation of traffic signals at the intersection of River Road and IL Route 53. The scope of the improvement included widening of the existing River Road 3 lane cross section to provide a 5 lane cross section at the intersection of IL Route 53 (1 right turn lane, 2 left turn lanes and 2 receiving lanes). Auxiliary lanes were also proposed along IL Route 53 including left and free flow right turn lanes to River Road and an acceleration lane for northbound IL Route 53. The project design used the latest 3-D modeling software. The project required coordination with the Federal Highway Administration (FHWA), Illinois Department of Transportation (IDOT), Will County, and the City of Wilmington for permitting related to roadway improvements.

Brian Henrichs / Sr. Technician 2 *Continued*		**Howard Street Traffic Signal, Evanston, Illinois -** The project will include the installation of new signals and replacement of outdated controllers, possible new mast arm poles to provide a signal head per lane, traffic signal equipment, installation of detectors and fiber optic interconnect systems, LED heads, etc. per CDOT standards and also traffic signal preemption devices. Pedestrian countdown signals will also be added at the intersections to improve the safety of pedestrians and bicyclists. The existing horizontal and vertical alignment will be maintained and the project will not require additional ROW acquisition. **Bloom Township Maintenance Facility** - This project was required as part of an environmental remediation at the old township maintenance facility. The 8,000 SF facility included three garage bays for vehicle maintenance, approximately 2000 square feet of office and meeting space, on-site parking, lighting, security, fencing, storm water design and utility design as well as on site storage for salt and other material storage. Architectural services included building programming, development of the architectural and structural design including oversight of the MEP services, bid documents and construction phase services. Site design services included topographic survey, site layout, utility design, stormwater management and detention design and permitting. **Substation 9 Structure Foundations, St. Charles, IL -** ESI assisted the City of St. Charles Electric Department with the design of an electric substation. Previously, ESI had prepared plans for the layout of the manholes, electric ducts, grounding grid, and pads and vaults associated with the project. During this phase, ESI prepared plans for the design of the piers that were to support the above ground structural and electrical components. The size and layout of the piers were based on dimensions from the manufacturer and were shown on the plans with the components already constructed. **Senior Engineering Technician** - Worked on a variety of projects including: • Phase I for CTA- Conceptual plans for RPM and RLE • Phase II for Interstate 57- Bridge and roadway work; Willow Road- bridge and roadway work; Ridge Road- RR realignment and roadway work for District 3; I-90 Lee Street maintenance of traffic and temporary signals • Phase I for Randall Road, Algonquin Road to Rakow Road, CFI configuration • Phase II for I-270 over Chain Rocks Road Levee for District 8; Fullerton Road for District 1; Fairfield and Illinois Route 134 intersection for District 1; Joliet Road and Madison Street intersection for District 1 • Phase I for Illinois Route 150; Illinois Route 113

Maya Heidtke / Engineer 1 **Education**: Valparaiso University Bachelor of Science, Civil Engineering **Associations**: Society of Women Engineers - Member	2/1	**DuPage County On-Call Stormwater & Drainage Services -** Project Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section **Cass Avenue Regional Detention Basin / Facility, Westmont, Illinois** – Project Engineer. See project details in the SIMLILAR PROJECT EXPERIENCE section. **US Route 6 at I-55 East Frontage Road, Channahon, IL** - Planning and design engineering services for the intersection improvement of US Route 6 at the East I-55 Frontage Road at Illinois Route 6 including the installation of traffic signals, street lighting, drainage facilities, and water main relocation. The work included intersection design studies, drainage studies, geotechnical investigation and the preparation of contract plans and specifications. The project required coordination with IDOT to secure permitting. **IL Route 53 at North River Road Intersection, Wilmington, Illinois** - Phase 1 and II engineering services for the City of Wilmington for the widening and installation of traffic signals at the intersection of River Road and IL Route 53. The scope of the improvement included widening of the existing River Road 3 lane cross section to provide a 5 lane cross section at the intersection of IL Route 53 (1 right turn lane, 2 left turn lanes and 2 receiving lanes). Auxiliary lanes were also proposed along IL Route 53 including left and free flow right turn lanes to River Road and an acceleration lane for northbound IL Route 53. The project design used the latest 3-D modeling software. The project required coordination with the Federal Highway Administration (FHWA), Illinois Department of Transportation (IDOT), Will County, and the City of Wilmington for permitting related to roadway improvements. **The Conservancy Stormwater Master Plan, Gilberts, IL -** This project involved the analysis of over 900 acres of land to be developed as part of the Conservancy Development in Gilberts, Illinois. ESI was contracted to analyze the Kishwaukee River and its tributaries in its existing condition and proposed condition after development. ESI was to locate areas for detention and compensatory storage in excess of 450 acre-feet over nine different proposed neighborhoods. Special management areas included wetlands, flood plain, floodway, and a turtle conservation area. In order to provide this analysis, HEC-RAS and HEC-1 modeling software were used to model the river flood profile during the 10-year and 100-year events. **Kings Drive Reconstruction & Storm Sewer Replacement, Bolingbrook, Illinois** –Phase 1 study and Phase 2 design for the reconstruction, widening and extension of Kings Road from Rodeo Drive to Remington Boulevard in the City of Bolingbrook. The scope of the improvement included widening the roadway from a 2-lane (one lane in each direction) cross-section to a 2-lane cross section with grassy median and on-street bicycle accommodations. Project also included drainage

Maya Heidtke / Engineer 1 *Continued*		analysis and design of a closed drainage system, storm sewer replacement, sidewalk, and street lighting. Extensive coordination between the City of Bolingbrook, Will County, Bolingbrook Golf Club, adjacent land developers and the designers for a proposed roundabout at the north project limit was required. **IL Route 53 at North River Road Intersection, Wilmington, Illinois** - Phase 1 and II engineering services for the City of Wilmington for the widening and installation of traffic signals at the intersection of River Road and IL Route 53. The scope of the improvement included widening of the existing River Road 3 lane cross section to provide a 5 lane cross section at the intersection of IL Route 53 (1 right turn lane, 2 left turn lanes and 2 receiving lanes). Auxiliary lanes were also proposed along IL Route 53 including left and free flow right turn lanes to River Road and an acceleration lane for northbound IL Route 53. The project design used the latest 3-D modeling software. The project required coordination with the Federal Highway Administration (FHWA), Illinois Department of Transportation (IDOT), Will County, and the City of Wilmington for permitting related to roadway improvements. **Bloom Township Maintenance Facility, Chicago Heights, IL** - This project was required as part of an environmental remediation at the old township maintenance facility. The 8,000 SF facility included three garage bays for vehicle maintenance, approximately 2000 square feet of office and meeting space, on-site parking, lighting, security, fencing, storm water design and utility design as well as on site storage for salt and other material storage. Architectural services included building programming, development of the architectural and structural design including oversight of the MEP services, bid documents and construction phase services. Site design services included topographic survey, site layout, utility design, stormwater management and detention design and permitting. **Carl Sandburg High School Grading Improvements, Orland Park, IL -** The Project consisted of the directional drilling 6” and 8” smooth walled HDPE pipe, the removal of storm sewer, placement of RCP storm sewer and associated patching and restoration to the vegetated areas and baseball fields.

SECTION 3: STATEMENT OF QUALIFICATIONS FORM

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [2] Design Engineering
- [4] Wastewater Improvements
- [3] Stormwater Engineering
- [1] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal



PLACE CORPORATE SEAL HERE

By.....: _____

Print Name .....: Joseph Chiczewski

Position/Title.....: President

Company Name ...: ESI Consultants, Ltd.

Address line 1 .....: 1979 N. Mill Street, Suite 100

Address line 2 .....: Naperville, IL 50563

Telephone.....: 630.420.1700

HANCOCK ENGINEERING
100 Years of Excellence
Civil Engineers ◆ Municipal Consultants ◆ Established 1911

Statement of Qualifications

Short Lists for
Civil Engineering Services

for the

Village of
Bensenville, IL

Name of Firm:	Hancock Engineering
Office Location:	9933 Roosevelt Road, Westchester, Illinois
Contact for SOQ:	Hancock Engineering Derek Treichel, PE President
Contact Phone #:	708-865-0300
Contact email:	dstreichel@ehancock.com

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Statement of Qualifications Form

- Submittal Certification 43
- Signature Page 44

CONSULTANT EVALUATION FORM

(Design Engineering and Resident Engineering Shortlist)

Form of Contract

☐ The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

☒ The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

☐ Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Certificate of Insurance has been included in this submittal.

Litigation: Hancock Engineering has not had any law suits filed against our firm between January 1, 2007 and the present day.

Proposed Contract Revision:

The Indemnification provision requires the ENGINEER to indemnify, defend, and save harmless the VILLAGE.

According to our insurance agent, the requirement to defend and pay for defense costs is problematic in that it is not insurable and the ENGINEER is required to pay for defense costs for any claims which allege negligence, omission, or willful misconduct on the part of the ENGINEER, regardless of whether it is actually determined that these allegations are true.

If awarded a contract from the Village of Bensenville, we would request that discussions be held regarding a compromise in this requirement.

Client#: 848636 EDWINHAN1

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 2/17/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
USI Ins Srvcs LLC Euclid-Prof 2021 Spring Road, Suite 100 Oak Brook, IL 60523 312 442-7200	PHONE (A/C, No, Ext): 630 625-5247	FAX (A/C, No): 610 362-8900
	E-MAIL ADDRESS: asmaa.elewa@usi.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : RLI Insurance Company	13056
INSURED Edwin Hancock Engineering Company 9933 W Roosevelt Rd Westchester, IL 60154	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC OTHER:			PSB0001053	02/12/2017	02/12/2018	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$1,000,000 $1,000,000 $10,000 $1,000,000 $2,000,000 $2,000,000
A	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS			PSA0001107	02/12/2017	02/12/2018	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$1,000,000 $ $ $
A	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED RETENTION $			PSE0001107	02/12/2017	02/12/2018	EACH OCCURRENCE AGGREGATE	$5,000,000 $5,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N Y (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		PSW0001030	02/12/2017	02/12/2018	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$500,000 $500,000 $500,000
A	Professional Liability			RDP0027896	02/18/2017	02/18/2018	$1,000,000 each claim / annual aggregate	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Professional Liability is written on a 'claims made' policy form.

Some or all officers are excluded from Workers Compensation coverage.

THIS CERTIFICATE OF INSURANCE IS INTENDED AS A SPECIMEN COPY ONLY.

CERTIFICATE HOLDER	CANCELLATION
Edwin Hancock Engineering Company	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE

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ACORD 25 (2014/01) 1 of 1 #S19894622/M19891851 The ACORD name and logo are registered marks of ACORD PZVZP

Note: Hancock Engineering carries a $5M umbrella, above the required $2M umbrella. The umbrella gets added to all of the coverage limits (except for PLI) so we also meet the Workers Comp requirements.

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

October 11, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Derek Treichel
HANCOCK ENGINEERING CO.
9933 Roosevelt Road
Westchester, IL 60154

Dear Derek Treichel,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $6,400,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 138.16% are approved on a provisional basis. The actual rate used in agreement negotiations may be determined by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,

Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR HANCOCK, EDWIN ENGINEERING CO.

CATEGORY	STATUS
Location Design Studies - Reconstruction/Major Rehabilitation	X
Special Studies - Traffic Studies	X
Special Services - Sanitary	X
Highways - Roads and Streets	X
Location Design Studies - Rehabilitation	X
Special Services - Construction Inspection	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

STATEMENT OF EXPERIENCE AND FINANCIAL CONDITION



State of Illinois

Department of Financial and Professional Regulation

Division of Professional Regulation

LICENSE NO.
184.001068-0002
062.048414

The person, firm, or corporation whose name appears on this certificate has complied with the provisions of the Illinois Statutes and/or rules and regulations and is hereby authorized to engage in the activity as indicated below:

EXPIRES:
04/30/2019

DESIGN FIRM - PROFESSIONAL ENGINEERING

EDWIN HANCOCK ENGINEERING CO
DEREK TREICHEL PRESIDENT
9933 ROOSEVELT RD
WESTCHESTER, IL 60154

BRYAN A. SCHNEIDER
SECRETARY

JESSICA BAER
DIRECTOR

The official status of this license can be verified at www.idfpr.com

11703997

Company Profile

Hancock Engineering is a consulting engineering firm focused on providing comprehensive engineering services to villages, cities, and other clients in the suburban Chicago area. Hancock Engineering was founded in 1911 and this past year we celebrated **106 years** of providing high-quality professional engineering services to our clients.



Hancock Engineering has always been committed to keeping our overhead costs low and to pass those savings on to our clients. For over twenty-five years our sole office has been centrally located in Westchester, just minutes from the I-290 expressway.

Our office is **within five miles of Bensenville** and the potential project sites. Additionally, several of our key Engineers live within neighboring suburbs. Our proximity to Bensenville provides us with the ability to mobilize to the project site for meetings, site visits, or consult on short notice. Our closeness to your community ensures that the Village of Bensenville **will <u>not</u> incur any costs related to travel or mobilization** from Hancock Engineering during the project.

Officers of Company

Hancock Engineering is led by a team of ten Principals. These ten individuals make up the Directors and the Shareholders of the company, and all are very active in the day to day operation of the company. Our principals are very "hands-on" and in touch with the needs of our clients. Mark Volk, Secretary and Vice-President of our company, will serve as the Client Manager for the Village of Bensenville.

Engineering Staff

Our staff is highly experienced and qualified in performing all phases of Engineering for locally and federally funded infrastructure projects. Throughout our projects, we make certain to **continually keep the client informed** on relevant engineering matters, to perform our engineering assignments to the best of our abilities, and to keep the best interests of the municipality as our primary objective. We believe we are properly staffed and exceptionally prepared to provide the engineering services typically required of your Village. Our Engineers commit themselves to going above and **beyond the traditional expectations** of our clients, regularly participating in philanthropic and charitable causes within each of our communities.

Our current staff consists of the following personnel:

TECHNICAL STAFF

Licensed Professional Engineers	9
Degreed Civil Engineers	5
Construction and Design Engineers	4
Computer Aid Design and Drafting (CADD) Technicians	3
Engineering Technicians	2

ADMINISTRATIVE STAFF

Office Manager	1
Treasurer	1

TOTAL STAFF PERSONNEL ***25***

Current Capacity

Hancock Engineering focuses our resources on municipal projects. Our desire to keep over 95% of our workload in the public sector has allowed us to avoid fluctuation in manpower and ensure that our rates remain competitive. The annual billings for our firm over the past 5 years are as follows:

Year	Billings
2016	**$4.3 Million**
2015	**$4.1 Million**
2014	**$3.9 Million**
2013	**$3.6 Million**
2012	**$4.4 Million**

Our staffing levels have been consistent over the past decade and we have been able to meet the varied workload with this staff. Our current projections for the 2017 year are $4.6 M in billings. As evidenced by our ability to meet the varied workload, Hancock Engineering has the capacity and adequate staff available to meet the scope and extent of work required to provide the Village of Alsip with high quality and timely engineering services We are currently pre-qualified by the Illinois Department of Transportation to provide engineering services to the amount of $6,400,000.00 Our efficiently-sized company prevents the inefficiencies and miscommunications common among larger firms.

Your projects will be made a priority and not get lost in our to-do list!

Firm Experience

Hancock Engineering has provided professional civil engineering services to Chicago-area municipalities for over 100 years. We were founded in 1911 by Edwin Hancock and for the past century this company has been dedicated to resolving the complex challenges associated with municipal infrastructure.

Our company is led by ten principals whose combined years in practice total more than two and a half centuries of experience. Our engineering staff has a solid base of knowledge and real-world experience in a wide range of municipal services including:

- Roadway Improvements
- Storm and Sanitary Sewer System Improvements
- Water System Improvements
- Storm Water Management Improvements
- Street Lighting
- SCADA and other Pump Station related work



Municipal Experience

Hancock Engineering currently serves as the Village Engineer to the following dozen municipalities. These municipalities do not have an engineer on staff so we provide them the full-range of services required for their projects. In addition to providing engineering services on Capital Improvements Projects, we are involved with ongoing engineering services typically performed by a Village Engineer on staff. The following is a list of communities for which we serve as the Village Engineer on a full-time basis:

- Village of Bellwood
- Village of Broadview
- Village of Brookfield
- Village of Forest View
- City of Hometown
- Village of LaGrange Park
- Village of Maywood
- Village of Melrose Park
- Village of Norridge
- Village of Riverdale
- Village of River Grove
- Village of Schiller Park

We also provide municipal engineering services to many clients for individual projects on a regular basis, including the following municipal entities:

- Village of Downers Grove
- Village of Glen Ellyn
- Village of Villa Park
- Village of Oak Park
- Brookfield Zoo
- Village of Mount Prospect
- City of Berwyn
- City of Wood Dale

Design Engineering Experience

Roadway Experience

Hancock Engineering has been designing roadways throughout Cook and DuPage County since the early 1900's. Although the designing of pavements is not overly complicated, our experience has allowed us to really streamline the process. Some of the key elements for Roadway Improvement projects include:

- Acquiring a thorough topographic survey of the area to be improved.
- Analyzing soil classifications and if necessary obtaining soil borings to determine representative soil types and bearing strengths.
- Consideration or current and projected traffic counts and typical loadings.
- Comparison between various pavement types and completion of Lifecycle Cost Analysis.
- Incorporation of measures to ensure adequate drainage including potential underdrains, inlets, catch basins, and other structures.
- Potential integration of Green Infrastructure such as: bioswales, permeable pavements, and filtration basins into projects as practical.
- Design with eye towards potential maintenance mitigation products, such as Longitudinal Joint Sealant, reclamite, etc.

Prior to outlining our design alternatives, we will conduct a **geotechnical investigation** of the existing sub-base materials and review the findings to determine the type of soils that exist. The type of soil that makes up the existing subgrade will have an impact on determining what solutions will be cost-effective and successful. The geotechnical investigation will also provide information regarding the existing groundwater conditions within the project area. We will also discuss the rate and type of deterioration of the last improvements with village staff.

In designing a roadway, it is critical to analyze the existing water table elevation. A water table that is allowed to rise and surround the pavement structure will increase the moisture content of the subgrade, decreasing its strength. The road pavement must be constructed so that if water is able to enter the pavement there must be a path for it to exit.

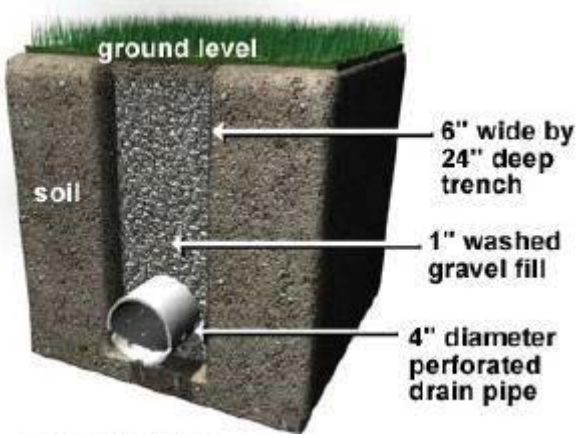
Water below the road pavement must be kept low and not be allowed to rise into the construction layers. This can be exasperated even further by frost action from above penetrating the road pavement and initiating a process that will draw water up from below before it freezes. For the sub-base to act as a drainage layer, we must incorporate a drainage system to facilitate the movement of water.

Hancock Engineering will investigate several different options to keep our pavement cross-section dry, including the inclusion of an **Improved Drainage layer** into our design. The drainage layer in newly constructed pavements is immediately beneath the pavement and may be comprised of

graded aggregate, asphalt-treated permeable material (ATPM), porous concrete, or other innovative technology. Construction of these drainage layers is not overly difficult and the cost of the in-place material is competitive with dense-graded aggregate materials.

Whatever pavement system is chosen during the design process, it is likely that an underdrain system will lengthen the pavement life. A system of **longitudinal underdrains** are typically the most efficient at removing water from the pavement section. An underdrain system typically consists of smaller (4") perforated pipes installed at relatively shallow depths, therefore the costs are not great. Since the underdrains will provide benefits for not only the initial pavement installation, but also for future resurfacing cycles, it is likely that their installation will be worth the investment.

Longitudinal drains (underdrains) can be installed as edge drains along the proposed pavement. It is important that the aggregate adjacent to the conduits be sufficiently permeable to allow the free water that is causing the problem to reach the longitudinal drain**.**



After a review of the existing soil characteristics it may be necessary to consider a "Disposable Pavement" design for a particular project. We will review the Life Cycle Analysis for several options to improve the existing soils/drainage issues. We may find that it is in the Village's best financial interest to avoid high initial costs for a proposed pavement that is expected to last minimal years based on base conditions.

For example, consider a typical 10,000 square yard roadway project. The costs would be approximately the same for the following two options:

a) Undercut roadway to frost depth and backfill with a porous granular embankment
b) Utilize Full-Depth Reclamation and a 2" HMA overlay PLUS the future **four** mill and resurfacing of the roadway.

Perhaps the most important element in all design, is providing **effective communication** to affected residents and property owners during the initial design process. It is important to obtain "buy-in" from constituents during design so that pertinent requests can be incorporated into the design.

This can be especially important when selecting construction techniques and/or staging that **minimizes the interruption** to these residents and property owners during the eventual construction. We strongly urge our clients to hold Project Informational meetings during design and then again prior to construction.

In addition to typical roadway improvement techniques such as resurfacing and pavement reconstruction, we also have experience with many of the newer pavement rehabilitation methods including foamed asphalt base stabilization, rubblization of concrete pavements, hot-in-place asphalt rehabilitation, etc. Many of these alternatives allow for lower cost and/or more environmentally sensitive solutions. However, each alternative method must be analyzed to determine if it meets the needs of the client and is the correct application for a given project.

A benefit that we feel Hancock offers over many of our competitors, is having engineers with comprehensive knowledge on the broad spectrum of the many aspects of infrastructure maintenance and improvements allows us to dedicate one or two expert staff members to our client on a long-term basis, who then develop keen insights into each client's unique issues, ultimately **saving the client money**.

We believe that our experience in designing and providing construction oversight on Federally-Funded IDOT STP Projects is unmatched in the industry.

> Since November of 2010, **Hancock Engineering has successfully designed and/or constructed over 45 projects totaling more than $46,000,000 of federally funded improvements.** Each of these projects was submitted prior to the IDOT deadline and were opened on the expected IDOT letting.

We have worked closely with many IDOT Local Roads Engineers and have successfully designed and administered the construction engineering for many projects that have been completed on time and under budget. We have developed strong relationships with Alex Househ, Marilin Solomon, Suleyman Tulgar, Jason Salley, Hannah Knight and many of the other engineers within the District One IDOT office in Schaumburg.

Utility Experience



Our firm is confident in our ability to design and oversee construction for stormwater reservoirs, closed conduit storm-water collection and conveyance facilities and potable water networks and pump stations. We have extensive experience in the compilation of plans, specifications, and bid documents for these types of projects.

Hancock Engineering does not simply design for the current site conditions, but incorporates potential future growth into our drainage and calculations. Vacant land of today may someday be developed into parking lots, businesses, etc. and must be factored into our design considerations.

It is important to consider all possible solutions to flood control issues. In some instances, flooding problems may be corrected by installing large diameter storm sewers and discharging the flow to nearby waterways, while others may not have the benefit of gravity drainage and may require a storm lift station. When called on, Hancock Engineering will evaluate feasible alternatives to determine the best solution to the complex flood control problems of the Village of Bensenville.

Hancock Engineering has a long history of providing services related to municipal sewerage works. We have designed new or rehabilitated lift stations in the communities of Brookfield, Glendale Heights, Bellwood, Hoffman Estates, River Grove and the Brookfield Zoo in recent years. Additionally, the Village of River Grove's Thatcher Wood's Lift Station is currently being studied for various improvement options.



We have also helped procure grants and designed improvements for open-channel water ways, such as Silver Creek in Melrose Park.

Hancock Engineering has helped our communities ensure that their potable water systems are continually updated and maintained. Our firm oversees a dozen annual water system maintenance programs. Additionally, we ensure that our client's water pumping stations are working properly and utilize state of the art technology. Over the past six years we have designed and constructed over $16 Million dollars' worth of strictly watermain improvements, this does not include the many roadway projects which included improvements to our client's freshwater systems.

Our firm has been designing water distribution and transmission systems for nearly a century. We have been involved in the establishing of water connections for municipalities previously using well water. We have redesigned distribution mains for many of our clients to create a more efficient network. We have performed hydraulic analysis of existing water networks to determine areas of poor flow. Our firm is confident in our ability to design and coordinate all types of water infrastructure improvements.

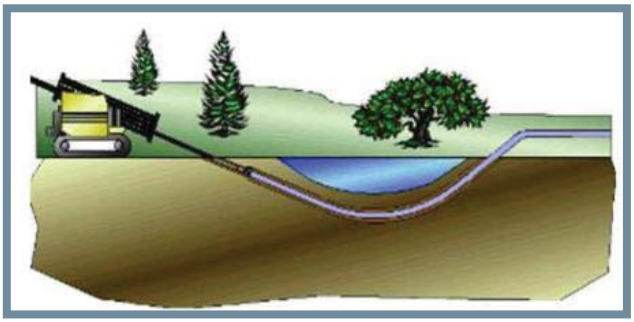
Hancock Engineering acknowledges that this area of the Chicagoland area has a propensity to have an acidic soil make-up. We typically work with Michelle Lipinski from Rubino Engineering to determine the pH of the soil. Depending on the findings we may recommend a form of cathodic protection. We have had success with many forms of protecting the watermain, including installation of:

- PVCO water main
- Sacrificial Anodes
- 6 Mil Polywrapped Ductile Iron Pipe

If soil contamination is a possibility in the improvement area, procedures will be specified to provide for the safe installation of the water main, including inclusion of Viton® FKM fluorocarbon push-on joint gaskets or similar.

We understand that the design and creation of project plans is much more detailed than "drawing a line on paper." After deciding upon the appropriate type of watermain we conduct a thorough site assessment to determine the most cost effective location of the proposed watermain.
Many factors will be taken into account, including:

- Location of existing watermain and other utilities.
- Location of service connections. If none exist on one side of road, it may be best to shift the watermain to the service-side of the street.
- Installation beneath the pavement or within parkway if trees are not present.
- Cost analysis between installation within the pavement and under the sidewalk.
- Consideration of the use of **Horizontal Directional Drilling (HDD)**



For most trenchless technology applications, the designer has an option between pipe materials. For these applications, we would consider the use of either, HDPE, Fusible PVC, or Certa-Lok PVC.

We have acquired many IEPA Construction Permits for the installation of watermain within the recent past. We have consistently been approved on our first submittal and have had no issues coordinating with the IEPA. It should be noted that the IEPA has a standard turn-around time of 45 days from receipt of application. We have had success in the past working with the IEPA to get plans approved in less than 28 days.

In regards to utility conflicts, Hancock uses a proactive approach to avoid these costly interruptions. Prior to commencement of design, we will hold initiate a Design Stage JULIE and hold a Utility Coordination Meeting with all area utility companies to ensure that all utilities will be out of conflict, avoiding any expensive delays during construction.

Our Design JULIE will contact all public utilities and confirm their locations prior to our initiating design. Although public utilties may complicate the installation of the proposed water main, with detailed site investigations and carefully scrutinized design, we will determine the optimum path of the proposed main. In the event that the utilities cannot be avoided, we will work closely with the Village and the public utility company to devise a plan in which the **utility will relocate their existing property out of conflict** with the Village's proposed design at no cost to the Village of Bensenville.

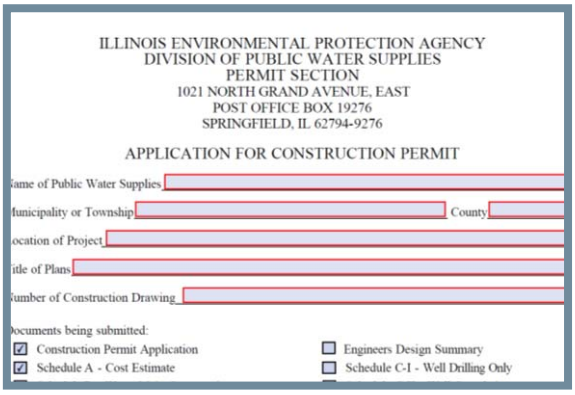
Design Engineering Approach

Hancock Engineering strongly believes that successful projects are a result of working collaboratively with Village staff to determine the appropriate actions required to quickly address issues when they occur in either design or construction process. We prefer to conduct bi-weekly meetings with pertinent Village staff, which allows for effective communication with the Village elected officials and interested constituency. Issues that may arise between regular meetings can be addressed with supplemental meetings, emails, and telephone conversations. Telephone calls are summarized and forwarded as emails to confirm the understanding of key issues addressed. Weekly status reports of the project including communications are prepared and forwarded along with copies of email exchanges for the period.



Throughout our projects, we make certain to **continually keep the client informed** on relevant engineering matters, to perform our engineering assignments to the best of our abilities, and to keep the best interests of the client as our primary objective. We believe we are properly staffed and exceptionally prepared to provide complete engineering services for your community. Having been in business for over 100 years, Hancock Engineering has a very long track record of completing projects of widely varying sizes, ranging from less than a thousand dollars up to several millions of dollars in construction costs.

We also have experience designing and implementing projects involving **CDBG, MFT, IGIG**, and **IEPA funding** and we are familiar with the various administrative and design requirements for each agency. Our experience with these agencies will help ensure that submittals to these agencies are in the appropriate format and meet their design requirements, leading to shortened review times.



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES
PERMIT SECTION
1021 NORTH GRAND AVENUE, EAST
POST OFFICE BOX 19276
SPRINGFIELD, IL 62794-9276

APPLICATION FOR CONSTRUCTION PERMIT

Name of Public Water Supplies
Municipality or Township
County
Location of Project
Title of Plans
Number of Construction Drawing

Documents being submitted:
☑ Construction Permit Application
☑ Schedule A - Cost Estimate
☐ Engineers Design Summary
☐ Schedule C-I - Well Drilling Only

Many of our clients have been able to utilize strictly local funds and bonds to undertake large-scale infrastructure improvements as well. Where these projects have not fallen under rigid federal or state funding requirements, Hancock Engineering has incorporated important features from differing agency requirements and created an effective but streamlined documentation process that saves time and money for our clients.

Resident Engineering Experience

Hancock Engineering has been providing Phase III Engineering to area municipalities for over 100 years. We have identified the following **critical issues** that need to be monitored during the construction of municipal improvements to ensure they are successful.

Project Coordination

Bensenville's upcoming planned projects will no doubt, impact motorists, cyclists, pedestrians, commercial businesses, schools, and residents. In order for the projects to be successful, **clear communication must be established with all stakeholders.** From the onset of each project we will ensure that all stakeholders are made aware of the proposed construction schedule, any anticipated impacts to access of their property, and any traffic impacts.

It is important that the project team engages in a Kick-Off Meeting prior to the Preconstruction Conference to discuss intended timelines, critical issues, goals, expectations, and Communication Schedule. We will schedule and conduct this kick-off meeting with Village staff and other interested parties to discuss the project scope and our intended plan of attack early, prior to any meetings with the Contractor. At a minimum, the following entities would be invited:

Entity	Phone Number
Bensenville Public Works/Engineering	630-350-3435
Bensenville Park District	630-766-7015
School District 2	630-766-5940
Bensenville Police Department	630-350-3455
Bensenville Fire Department	630-350-3441

During construction our Resident Engineers and Project Managers will be in constant contact with the Village of Bensenville, promptly responding to any issues or questions as they arise. In addition to these conversations, we will provide the Village with weekly **Progress Reports** outlining the current and upcoming construction activities.

In addition to the weekly Progress Reports, Hancock Engineering recommends that **Progress Meetings be held on-site every other week with Village staff, Hancock Engineering, and the Contractor**. These meetings will include a discussion of project progress, any upcoming issues, and will allow Village staff to communicate directly with the Contractor.

We find these site meetings to be beneficial for all parties, and we've see that they contribute to the ultimate success of the Project.

Utility Coordination

It is our experience that public utilities can disrupt an otherwise successful project's timeline. Hancock uses a proactive approach with the public utilities (Nicor, ComEd, AT&T, Comcast, etc.) that aims to avoid costly interruptions due to conflicts with the locations of existing utilities.



We begin communications with Nicor, ComEd, and AT&T immediately after the preconstruction meetings to schedule their necessary adjustments. On a recent project, Nicor was seeking very substantial reimbursement costs from the Village for the relocation of their facilities. We were able to arbitrate with Nicor and the Village to completely eliminate any costs to the Village.

Our early coordination with utility companies will **reduce the chance of delays** by giving the utilities the maximum amount of time available to adjust or relocate their facilities when coordination is needed or when a conflict is unavoidable, and makes the Village's Contractor aware of any utility issues that may affect his schedule.

Stakeholder Coordination

Every construction project includes a certain amount of inconvenience to adjacent residents and business owners. Our goal is to minimize the inconvenience to these constituents. We have found that providing residents and businesses with effective and timely communication of construction schedules and activities, especially early notice of interruption to access, can positively impact the public perception of the entire project. It is important to clarify the Village's goals for the project and **provide the residents and businesses with a line of communication** to voice their concerns and have their issues addressed.



Hancock Engineering recommends teaming up with the Village for an informal open house early in the construction process to make sure that the public is aware of the upcoming improvements. Taking away the "surprise" encountered by residents and business owners helps increase their support of the project. This meeting can take place during the working day or afterhours. We would participate in this meeting **at no cost to the Village.**

For each construction project Hancock Engineering will host a Project Website, or provide content to the Village's website if preferred. The Project Website would include:

- Project background, proposed scope of improvements, and overall project timeline.
- Frequently Asked Questions.
- Map of any intended traffic detours.
- Daily updates as to the Contractor's schedule and construction plans for the following day.
- Digital pictures of project improvements.
- Contact information of PM, RE, Project Liaison, and other selected Village officials.
- Any additional information desired by the Village.

If the Village elects to forego the website, Hancock Engineering recommends the distribution of a thorough project newsletter to all residents and businesses affected by the improvements. This communication will provide the stakeholders with cellular telephone numbers for both the Resident Engineer and Project Liaison. **Stakeholders will have their calls returned by the end of each working day**.

We understand that many of the residents have full-time jobs and are not able to meet on project site during typical hours. Our engineers will make provisions to meet with these residents at a time that is convenient to their schedule even if it is outside of normal working hours.

Site Cleanliness

For projects to be kept safe, they must be kept clean. We will provide **daily inspections of the cleanliness of the project site** to ensure that:

- Proper sight requirements are not disturbed due to stockpiles or construction equipment.
- Construction dust is kept to a minimum.
- No debris exists upon the driving surfaces.
- Surface aggregate is compacted and traversable until permanent pavement can be installed.
- Sidewalks are continually kept ADA accessible and compliant.

Any deficiencies will be logged and then immediately brought to the Contractor's attention with the expectation that they be remedied immediately.

We understand the Village of **Bensenville residents are accustomed to pedestrian and bicycle friendly facilities**. It will be a priority of our daily traffic checks to ensure that construction does not interfere with the local residents' and business patrons' abilities to access the roadways and sidewalks with their preferred modes of transportation, whether it be by foot, bicycle, or motor vehicle.

QC/ QA of Contractor's Schedule



For a project to go smoothly during construction, the Resident Engineer must be constantly assessing and reassessing the Contractor's schedule. At the Preconstruction Meeting the Contractor will be required to submit an overall project timeline. We will review the schedule to ensure that it is both realistic and operational. With each of our weekly Progress Reports we will evaluate the Contractor's progress and report to the Village.

If it is determined that the Contractor has deviated from the plan by more than two days, they will be directed to resubmit a revised project schedule, addressing specifically how they intend on catching up to the original schedule.

Many contractors have a practice of leaving jobsites for extended time periods to attend to "other responsibilities." Unless documented in a submitted schedule, **these *unexplained absences will not be tolerated***. It is our experience that nothing frustrates area residents more than "sunny days with no work going on." We have great success keeping Contractors on task and moving forward.

Project Close-Out

Project documentation is an important aspect to our Construction Engineering services. Our documentation provides, at a minimum:

- Written record of daily events
- Quantity Book with back-up source
- Justification of Contractor Pay-outs
- Final Materials Checklist
- Before and After photographs
- Traffic Control Reports
- Before and After photographs
- Progress Reports
- Bimonthly Development Meeting Minutes
- Record Drawings

Our staff is knowledgeable and experienced in the documentation required for the construction of Federally Funded roadway improvements. They have all completed IDOT Documentation and ICORS Training courses. Our thorough understanding of IDOT's Project Procedures Guide and Construction Manual, as well as our knowledge and experience with IDOT's documentation requirements, allow our projects to be constructed in a systematic and streamlined manner.

The minimal amount of time spent tracking quantities and evidence of material inspections at the tail end of a job will allow the Village of Bensenville to realize **substantial cost savings** on these types of projects.

Relevant Project Experience

Project/Client	Northeast Storm Relief Sewer/ Village of Riverdale
Scope of Work/ Contractor/ Client POC	Hancock Engineering completed Phase I, II, and III engineering services for the Village of Riverdale's Northeast Storm Relief Sewer Project. The proposed improvements span the entire northeast region of Riverdale with over 8,000 feet of proposed storm sewer. The work occurred within the boundaries of busy State Street, the elevated METRA Rail Line *(Illinois Central Railroad)* and the Little Calumet River. Funds for this improvement were secured with the assistance of our team thru Cook County's Community Development Block Grant Disaster Recovery Program in the amount of approximately 7.6 million dollars. Construction operations began at the Little Calumet River with the installation of a massive 72" diameter storm sewer outfall. The route involved continuous communications with nearby business owners. This 72" diameter storm sewer pipe has been installed to depths exceeding fifteen-feet below grade. In addition to open cutting, a "Jack and Bore" operation was implemented to "push" the 72" diameter pipe beneath the Indiana Harbor Belt Rail Road. Contractor: John Neri Construction Company Client POC: Larry Jackson, Mayor 
Project Team	Mark Volk, PE – Project Manager, Alex Alejandro, P.E. – Design Manager, Jim Goumas – QC/ QA Manager, Chuck Hodges, Resident Engineer, Mark Kirchman, Inspector
Construction Cost/ Fee/ Year	$7,400,000 / $500,000 / 2016

Project/Client	Prairie/Washington Pump Station/ Village of Brookfield
Scope of Work/ Contractor/ Client POC	Hancock Engineering completed Phase I, II, and III engineering services for the Village of Brookfield's Prairie/Washington Pump Station project. The project was designed to relieve a levee protected area from flooding due from rain events when the Salt Creek raises above the 10-Year water level. During recent years rain events the residents within this area have seen an increase in the frequency of flooding that occurs due to the creeks water level. The project was jointly funded by the Village of Brookfield and the Metropolitan Water Reclamation District through their Phase II Flood Assistants Program. The project involved the following: • Installation of 5,000 GPM pump station, featuring 5 staged pumps. • The installation of 300 feet of 8x7 box culvert constructed under Forest Avenue, a local street, and the excavation of an available undeveloped residential lot to a dry bottom pond create a total of 0.84 ac-ft of storage in the existing developed residential neighborhood. • Coordination with existing utilities. • Installation of 85 kW natural gas standby generator • Roadway Reconstruction  Contractor: Glenbrook Excavating Client POC: Keith Sbriral, Village Manager
Project Team	Derek Treichel, PE – Client Manager, Mark Lucas, P.E. – Design Manager, Bill Peterhansen PE – Lead Designer, John Gutsch, Resident Engineer
Construction Cost/ Fee/ Year	$1,900,000 / $250,000 / 2016

Project/Client	19th Street Water Improvements/ City of Berwyn
Scope of Work/ Contractor/ Client POC	Hancock Engineering provided Design and Construction Engineering Services for the design of watermain, roadway, and sewer work on 19th Street between Clarence and Ridgeland Avenues. The project consisted of the following: • Resurfacing of Hot-Mix Asphalt Roadway • Installation of nearly 2,000 feet of ductile iron water main • Reviewing of sewer tapes to determine the need for point repairs on the City's Combination Sewer line • Installation of storm sewer laterals and replacement of drainage structures • Resident Engineer Coordination with single family residences as well as apartment buildings Hancock Engineering annually oversees the CDBG process for a dozen communities with populations under 50,000. At the onset of the project, it was discovered that the Contractor did not properly register with SAM.Gov. In fact, we quickly realized that the Contractor had little experience with CDBG paperwork. We worked hand-in-hand with Contractor, at times all but completing their paperwork ourselves, to ensure that the project continued to move along. Although, this excess time spent exceeded our budgeted amount, our engineering fee went unchanged.  Contractor: J. Congdon Sewer and Water Client POC: Bob Schiller, Director of Public Works
Project Team	Mark Lucas, PE – Client Manager, Chris Baker, P.E. – Design Manager, Eric Windsor, Resident Engineer
Construction Cost/ Fee/ Year	$800,000 / $90,000 / 2016

Project/Client	Ridgeland Avenue Improvements/ Village of Oak Park
Scope of Work/ Contractor/ Client POC	Hancock Engineering provided the Construction Engineering services for Ridgeland Avenue in the Village of Oak Park for this Federally Funded LAFO improvement project. The project extended for 3 miles between Roosevelt and North Avenue, extending through the limits of Oak Park. The project involved the milling of pavement, removal and replacement of intermittent curb and gutter, replacement of sidewalk squares to accommodate ADA requirements, minor sewer repairs, installation of preformed thermoplastic bicycle signals, detector loops, railroad insurance, and other parkway improvements. The project was designed to be installed in a single season; however, the Village of Oak Park elected to concurrently run a Village-funded sewer improvement project within the pavement area of Ridgeland Avenue. We have been able to work with IDOT, the Village, their underground contractor (Trine Construction) and the Ridgeland Avenue paving contractor (Johnson Paving) to extend the time frame of the paving project to three separate stages without the Village incurring any additional costs. Ridgeland Avenue is heavily used for parking for area businesses, schools, and residents. Hancock Engineering kept this as focal point throughout construction working with the Village's Parking Department to create parking passes for area businesses and residents to utilize during construction. We made sure to continually keep the businesses, schools, and resident s up to date  Contractor: Johnson Paving Client POC: Bill McKenna, Village Engineer
Project Team	Chris Baker, PE – Client Manager, Chris Baker, P.E. – Resident Engineer, Eric Windsor, Lead Field Engineer
Construction Cost/ Fee/ Year	$2,027,000 / $150,000 / 2016

Project/Client	Cornell Avenue Reconstruction/ Village of Melrose Park
Scope of Work/ Contractor/ Client POC	Hancock Engineering provided Phase I, II and III Engineering services for this Federally funded STP project which involved completely rehabilitating the existing roadway, installation of nearly 2,500 feet of large diameter storm sewer, replacement of half a mile of 12" watermain, directional boring conduit under rail road tracks, installation of a multi-use bicycle/pedestrian path, railroad crossing improvements, and other parkway amenities. This project was located in an industrial area of town and had a large amount of truck traffic. Detailed staging plans were created to ensure that access was continually maintained to all businesses flanking the construction. Many practices were implemented to help satisfy the residents and businesses, including: • Interacting continually and on a daily basis with residents and businesses. • Distribute weekly updates to the adjacent properties outlining what has been accomplished and what is planned for the following week. • Holding weekly progress meetings with Village and Contractor. • Providing temporary driveways and entrances where necessary.  Contractor: ALamp Concrete Construction Co Client POC: Gary Marine, Director of Public Works
Project Team	Ed Stoelinga, PE – Client Manager, Chris Baker, P.E. – Design Manager, Eric Windsor, Resident Engineer
Construction Cost/ Fee/ Year	$2,997,000 / $250,000 / 2015

Project/Client	Grand Boulevard Improvements/ Village of Brookfield
Scope of Work/ Contractor/ Client POC	Hancock Engineering provided Phase II and III Engineering Services for this FAU/STP funded roadway reconstruction. IDOT permitted the Village to submit as a Categorical Exclusion Group 1 Project, so a full phase I report was not required. The project involved the partial reconstruction of a collector route roadway in a residential/business corridor. The project included: • Installation of over 6,000 feet of storm relief sewers. • Rock excavation, non-special waste removal, and dewatering. • Pavement reconstruction. • Intersection modernization. • Relocation of existing utilities to prevent conflicts with proposed improvements and to avoid costly delays. • Parking reconfiguration at municipal buildings and along roadway to maximize available parking. • Installation of decorative lighting. • Installation of bio-swale to reduce the amount of water entering the sewers. • Installation of decorative brick pavers Although this project did have several change orders, it was strategically kept within the upper limit of IDOT's funding and ultimately the Village did not bear any additional costs than budgeted for. Our engineering fee remained unchanged. The project was nominated for APWA Project of the Year.  Contractor: Boulder Construction Co Client POC: Keith Sbriral, Director of Public Works
Project Team	Derek Treichel, PE – Client Manager, Bill Peterhansen, P.E. – Design Manager, John Gutsch, Resident Engineer
Construction Cost/ Fee/ Year	$4,356,000 / $450,000 / 2012

Project/Client	Village-Wide Alley Improvements/ Village of Oak Park
Scope of Work/ Contractor/ Client POC	Hancock Engineering provided Design and Construction Engineering Services for this annual improvement project. Upon award of the annual Contract in 2015, we were given a two-year Contract. Based on our performance the Village elected to extend this Contract an additional two years. The annual improvements consist of two miles of concrete alley reconstruction, approximately one mile of storm sewer, and areas of asphalt roadway repair. In 2017, several of the newly constructed alleys were within business districts. As part of our services, we introduced ourselves to over 50 businesses flanking the alleys. We coordinated refuse collection, parking passes, coordination of the Village's "Garage Apron Replacement Program" (GARP) and accommodated as many businesses' schedules as possible. Several of the alleys had utility conflicts which we worked proactively with Nicor and ComEd to have their infrastructure relocated prior to the start of our construction. The project was partially funded with CDBG grants, so all requirements required of this funding were followed. Several of the alleys flanked schools and churches. We made sure to continually keep all stakeholders up to date.  Contractor: RW Dunteman Client POC: Bill McKenna, Village Engineer
Project Team	Chris Baker, PE – Client Manager, Chris Baker, P.E. – Design Manager, Alex Alejandro, PE, Designer, Eric Windsor, Resident Engineer
Construction Cost/ Fee/ Year	$3,106,000 / $290,000 / 2017

Project/Client	20" Watermain Crossing I-294/ JWSWC
Scope of Work/ Contractor/ Client POC	Hancock Engineering provided the Design and Construction Engineering services to install the Justice-Willow Springs water supply line under the I-294 Expressway just east of 88th Avenue in the Village of Justice.. The water main was designed to be installed in a casing pipe under the tollway. Push and receiving pits were located in a residential area north of the tollway and in a commercial area on tollway property on the south side of I-294. The new main was installed under the existing street pavement north of the tollway where it connected to an existing 20" water main one block north and one block east of the crossing. The entire street was resurfaced with Hot-Mix Asphalt as part of these improvements. The improvement included: • Installation of a casing pipe and new twenty inch (20") water main under the tollway • Installation of new fire hydrants • Roadway Improvements • Erosion Control Action Plan and implementations • A considerable amount of communication between the Village of Justice, the Tollway Authority, and the Justice-Willow Springs Water Commission. The proposed improvements were phased in such a manner that allowed the pumping station to continue to be in operation and deliver the Village's water system a supply of uninterrupted water.  Contractor: Western Utility Contractors Client POC: Jerry Strazzante, Executive Director
Project Team	Mark Volk, PE – Client Manager, Mark Volk, P.E. – Design Manager, Jeff Kearney, Resident Engineer
Construction Cost/ Fee/ Year	$880,000 / $125,000 / 2012

Project/Client	Elm Street Reconstruction/ Village of River Grove
Scope of Work/ Contractor/ Client POC	Hancock Engineering provided Phase I, II and III Engineering services for this Federally funded STP project which involved completely rehabilitating the existing roadway, installation of nearly 3,000 ft of large diameter storm sewer, watermain improvements, and other parkway amenities. The project shared a border with two municipalities so Hancock Engineering was constantly updating both Villages and made sure that all vested parties were happy with all design aspects and standards. Many practices were implemented to help satisfy the residents and businesses, including: • Interacting on a daily basis with residents and businesses. • Distribute weekly updates to the adjacent properties outlining what has been accomplished and what is planned for the following week. • Holding weekly progress meetings with Village and Contractor. • Providing temporary driveways and entrances where necessary. The project was substantially completed in one calendar year exceeding the expectation of both Villages.  Contractor: ALamp Concrete Contractors Client POC: Dave Guerin, Mayor
Project Team	Mark Lucas, PE – Client Manager, Chris Baker, P.E. – Design Manager, Alex Alejandro, PE, Designer, Bill Peterhansen, Resident Engineer
Construction Cost/ Fee/ Year	$2,421,000 / $260,000 / 2013

Project/Client	Grand Avenue Streetscape/ Village of River Grove
Scope of Work/ Contractor/ Client POC	Hancock Engineering provided Design and Construction Engineering Services for this ITEP funded FAU project which involved completely rehabilitating the parkways and sidewalk of the Village's major commercial thoroughfare. Brick pavers, pedestrian street lighting, and concrete sidewalk were all implemented to create a wonderfully inviting corridor to provide beautiful access to the area's storefronts and businesses. Due to the high profile location of this project, special attention was given to ensuring business owners were continually updated on the status of the project. Many practices were implemented to help satisfy the residents and businesses, including: • Interacting on a daily basis with businesses. • Distribute weekly updates to the adjacent properties outlining what has been accomplished and what is planned for the following week. • Holding weekly progress meetings with Village • Providing temporary driveways and entrances where necessary. • Ensuring ADA access was maintained throughout construction. Many positive accolades were received by Hancock Engineering from the area businesses, residents, and Village. Per Hancock standard, very few construction change orders were accepted as part of this project, and ZERO additional engineering fees have been added.  Contractor: Chicagoland Paving Client POC: Dave Guerin, Mayor
Project Team	Mark Lucas, PE – Client Manager, Design Manager, Mark Volk, Designer, Chris Baker, Resident Engineer
Construction Cost/ Fee/ Year	$905 ,000 / $150,000 / 2012

Staff Qualifications

Name/Registration/ Title	Years of Exp./ @Firm	IDOT/Municipal Project Experience
Mark Volk, P.E. Vice-President Secretary Illinois PE #062-048046 Bachelor of Science in Civil Engineering, University of Illinois, 1984 **Village Engineer Role (Since)** West Suburban Water Commission (1998- present) Village of Oak Lawn (2000-present) Village of Hometown (2000-present) Village of Riverdale (2013-present)	31/31	Mark Volk, P.E. is a Vice President and a Principal at Hancock Engineering. Mark has substantial experience in water system operations and distribution, lift station and pumping facilities, and both sanitary and storm sewer network analysis and design. Mark's strong suit is the ability to manage multiple projects across multiple clients in a timely cost effective manner. Mark's attention the proposed scope/intent of project, and his extensive knowledge gained through his experience allows him to identify the nuances of projects which allow for details to be identified during the development preliminary project budgets, decreasing the potential for budget overruns during design and construction phases. Recent Engineering projects include: • Project Manager of a $25 Million Dollar multi-Village Watermain improvement project throughout the South Suburbs. Mark has been working with CDM Smith to design a transmission water main through seven contiguous suburbs in south Cook County. • Project Manager of a $900,000 project to install a 20" water main under the I-294 tollway in the Village of Justice. Design included a 26' deep drop shaft structure for the ability to replace the pipe in the casing. • Project and Design Manager for the $1.2 million Pump Station Rehabilitation Project for the Justice – Willow Springs Water Commission. The scope of the project included installing two new VFD pumps and motors, new primary electrical service, MCC, liquid chlorination system, SCADA, discharge piping, HVAC, and site work. • Project and Design Manager for the $5.7 million 54" Water Transmission Main Project, Phase I for the Village of Oak Lawn. The project involved installation of 7000' of 54" diameter water main needed to increase delivery capacity of the southwest suburbs. • Hydraulic Engineer for Location Drainage Study for Braga Drive within the Village of Broadview. Proficient at using PC-SWMM to model existing and proposed storm sewer networks.

Chris Baker, P.E. Vice-President Director of Marketing Illinois PE # 62-060784 IDOT Documenting Certification # 16-0040 Bachelor of Science in Civil Engineering, Bradley University, 2003 American Public Works Association – Suburban Branch (Past President) **Village Engineer Role (Since)** Village of Broadview (2013-present) Village of Oak Park (2015-present)	14/14	Chris Baker P.E. is a Vice President and a Principal at Hancock Engineering. began his career with Hancock Engineering immediately upon his graduation from Bradley University in 2003. He has substantial experience in both the design and construction of roadway improvements, water main design, storm and sanitary sewer improvements, and streetscape beautification projects. He is also the Director of Marketing activities for our office and is active in several professional organizations. Recent Engineering projects include: **Cornell Street Improvements, Melrose Park** Design of a federally funded reconstruction project valued at $2.9 Million. The project included concrete pavement, water main replacement, and separation of combination sewer system. Submittal of approved Phase I Report outlining the project scope, feasibility and cost. Chris also served as the Public Liaison for this project, implementing a project website for this project. **Elm Street Reconstruction, River Grove** Design of a federally funded reconstruction project valued at $2.3 Million. The project includes concrete pavement, installation of storm sewer system, and coordination between two Villages. Chris also served as the Public Liaison for this project, implementing a project website and hosting Progress Meetings with the Village and Contractors. **Village-Wide Alley Improvements, Melrose Park** Design of four locally funded alley reconstruction projects valued at $9.9 Million. The project includes concrete alley pavement, installation of storm sewer system, replacement of water main and coordination between four General Contractors. The project was awarded APWA Project of the Year for the Suburban Branch in 2012. **Grand Avenue Improvements, River Grove** Resident Engineering Services for a federally funded roadway improvement project. The improvements consisted of reconstructing parkways within a major commercial corridor of the Village of River Grove.

Derek Treichel P.E. CFM President Illinois PE # 62-048474 Bachelor of Science in Civil Engineering, Southern Illinois University, 1987 **Village Engineer Role (Since)** Village of Brookfield (2001-present) Village of Downers Grove (2015- present)	30/30	Derek Treichel, PE, CFM is the President and a Principal at Hancock Engineering, and is currently responsible for overseeing the design and construction of a variety projects within several engineering disciplines. Derek is the Client Manager for Brookfield and Downers Grove. Derek's project experience includes the design and construction of roadway improvements, sanitary and storm sewer projects, storm water management, water main distribution systems, and documentation of construction projects. As a client manager he assists our municipal clients with preparing annual and 5-Year Capital Improvement Programs, has assisted in completion of comprehensive planning, and assists the client with applying for and obtaining funding for capital infrastructure projects. • Principal in charge of completion of the installation of over 4.0 miles of water main installation projects totaling a cost of $4,400,000 in the Village of Brookfield since 2001. Responsibilities included planning, study and budgeting for projects to be included in 5-year Capital Improvements Plan for the Village, oversight of all aspects of plan preparation and construction. Projects included replacement of deteriorated water mains and installation of booster water mains to improve overall system flow and pressure. • Principal in charge of completion of the installation of over 1.5 miles of water main installation projects totaling a cost of $2,000,000 in the Village of Westchester. Responsibilities included planning, study and budgeting for projects, oversight of all aspects of plan preparation and construction. Projects included replacement of deteriorated water mains, relocation of water mains as part of I-290 Bottleneck Elimination project, and the installation of an emergency connection to the Village of Hillside. • Principal in charge of completion of over 15 miles of local roadway improvement projects totaling a cost of $17,000,000 in the Village of Brookfield since 2001. Responsibilities included planning, study and budgeting for projects to be included in 5-year Capital Improvements Plan for the Village, oversight of all aspects of plan preparation and construction. Projects included resurfacing or reconstruction of the roadways as well as addressing deficiencies in the roadway drainage system.

Stephen "Brad" Clark, P.E. Vice-President Illinois PE # 062-055685 Bachelor of Science in Civil Engineering, Missouri Rolla University, 1995 **Village Engineer Role (Since)** Village of Norridge (2006-present) Village of Forest View (2002-present)	21/24	Brad is the Client Manager for two of our municipalities and the Field Personnel Manager for our company. Brad has very strong project experience related to the design and construction of roadway improvements, sanitary and storm sewer projects, storm water management, water main distribution systems, and documentation of construction projects. As a client manager he assists our municipal clients with preparing annual and 5-Year programs, has participated in formulation of storm water management ordinances, has assisted in completion of comprehensive planning, and assists the client with applying for and obtaining funding for capital infrastructure projects. Recent Engineering projects include: • Design of $4.0 million St Charles Road Reconstruction Project (STP) in the Village of Maywood. The project involved the reconstruction of 5,600 feet of roadway through central industrial corridor of the Village. • Design and funding application for the $1,700,000 IEPA Loan Water Main Replacement Project for the Village of Norridge. • Project Manager of $800,000 Montrose Avenue Paving Project (STP and Illinois Jobs Now funding) in the Village of Norridge. The project involved the resurfacing of 1.2 miles of roadway serving as a main thoroughfare for the Village. • Design portion of $27 million Great Bear Wilderness Exhibit at the Brookfield Zoo. This project involved providing Civil Engineering services for the design of new animal exhibits for Bison, Bears and Eagles. • Preparation of Phase I Report for $2.7 million Elm Street Reconstruction Project (STP) for the Villages of River Grove and Franklin Park. The project involved the reconstruction and widening of 0.55 miles of residential streets. • Completion of Railroad Quiet Zone Studies for the Villages of River Grove and Franklin Park.

Mark Lucas, P.E. Vice-President Illinois PE # 062-060382 Bachelor of Science in Civil Engineering, Illinois Institute of Technology, 1987 **Village Engineer Role (Since)** Village of Maywood (2002-2016) Village of River Grove (1990-present) Brookfield Zoo(2002-present)	30/31	Mark is a Vice President and Principal at Hancock Engineering, and is currently responsible for overseeing the design and construction of a variety projects across engineering disciplines. Mark is the Client Manager for three of our clients. Mark has strong project experience related to the design and construction of roadway improvements, sanitary and storm sewer projects, storm water management, water main distribution systems, and documentation of construction projects. As a client manager he assists our municipal clients with preparing annual and 5-Year programs, has participated in formulation of storm water management ordinances, has assisted in completion of comprehensive planning, and assists the client with applying and obtaining funding for capital infrastructure projects. Mark is also a commissioner for the Brookfield-North Riverside Water Commission. Recent Engineering projects include: • Design & Project Manager of $4.0 million St Charles Road Reconstruction Project (STP) in the Village of Maywood. The project involved the reconstruction of 5,600 feet of roadway through central industrial corridor of the Village. • Preliminary Engineering Study of Village Eastside Drainage Basin, Village of Lagrange Park. The study included a review and modeling of the existing combined sewer system, and available solutions to address systemic flooding of an area comprising 20% of the developed Village land area affected by rain events in 2010 & 2011 • Design and Project Manager for $20.5 million Capital Infrastructure Program for the Village of Maywood. The projects within the program addressed roadways, alleys, water mains and sewers in existing TIF areas within the Village over a 6 year plan. • Design and Project Manager of the $8.2 million Fifth Avenue Improvements in the Village of Maywood. The project involved the rehabilitation of 6,000 feet of the central commercial corridor inclusive of roadway, traffic signal, street lights, and water and sewer improvements.

William "Bill" Peterhansen, P.E. CFM Vice-President Illinois PE # 062-060382 IDOT Documenting Certification # 15-0393 Bachelor of Science in Civil Engineering, Bradley University, 2003 **Village Engineer Role (Since)** Village of Maywood (2016-present)	30/31	Bill Peterhansen, P.E., is a Project Engineer at Hancock Engineering. Bill has gained invaluable experience in managing on average approximately $15.5 million in construction projects annually over the last 4 years for our clients. Bill has a highly developed ability to keep multiple projects on schedule and budget. He ensures that the contractor's contractual obligations are exceeded, and that our firm's layout, inspection, and documentation of the construction projects are completed in a timely manner. Bill works closely with Village staff and Residents during the construction of projects to ensure that they are aware of the progress, project issues, and coordinates the improvements to address Village needs and concerns. Recent Engineering projects include: • Resident and Design Engineer on $6.0 million Grand Boulevard Improvements (FAUS/STP) in the Village of Brookfield Stage I & II. The scope of work of the projects totaled 9,000' of large diameter storm/relief sewer installation and separation from combined sewer, pavement reconstruction, intersection reconfiguration, resurfacing, rock excavation, watermain improvements, dewatering, non-special waste removal, relocation of existing utilities, parking reconfigurations , decorative lighting, and installation of bio-swale. • Project Manager/Resident Engineer on $900,000 Prairie Avenue Resurfacing (LAPP) and Water Main Replacement projects in the Village of Brookfield. Coordinated the two improvements to ensure the completion of these separately let projects. The efforts resulted in a seamless transition from the Water Main project to the Roadway resurfacing project on a main thoroughfare through the village. • Construction Manager/Resident Engineer – Special Assessment Alleys Paving Program in the Village of Brookfield. The 7 alleys sections were let under separate projects as they were not contiguous and funding method did not allow for combination of bidding. RE of these complex projects with sewer separation, etc. • Project Manager for the $1.7 million Water Main Improvements in the Village of Brookfield.

Alex Alejandro, P.E. CFM DECI Vice-President Illinois PE # 062-060307 IDOT Documenting Certification # 15-0225 Certified Floodplain Manager, IL-14-00667 Bachelor of Science in Civil Engineering, University of Illinois, 2001 American Public Works Association – Southwest Branch (Education Chair)	15/15	Alex Alejandro, P.E. is a Project Engineer at Hancock Engineering. Alex is IDOT certified in documentation and is proficient in administering multiple concurrent projects. Alex specializes in completing and processing required contract documents (contracts, design changes, change orders, pay estimate preparations and final closeout documents). Alex is the Erosion Control Manager for our office and is certified as a DECI. Alex is very current in his knowledge of IDOT required QC/QA testing requirements and has served as the QC manager on many of our recent projects. Recent Engineering projects include: • Cornell Street Improvements, Melrose Park Resident Engineer and QC/QA Manager of a federally funded reconstruction project valued at $2.9 Million. The project included concrete pavement, water main replacement, and separation of combination sewer system. • Thatcher Avenue LAPP, River Forest Designer and Resident Engineer and QC/QA Manager of a federally funded resurfacing project valued at approximately $1 Million. The project included asphalt pavement, curb and gutter replacement, and sidewalk improvements. • Canfield Road Improvements, Norridge Resident Engineer and QC/QA Manager for $920,000 project involving the full reconstruction of a 2,500 foot road with sewer improvements, street lighting, concrete improvements, and weekly Storm Water Pollution Prevention Plan (SWPPP) inspections. • Montrose Avenue Improvements, Norridge Construction Manager/ Resident Engineer and QC/QA Manager for $820,000 FAU Project in the Village of Norridge. The project involved resurfacing of a 5,500 foot road with minor sewer improvements, concrete improvements, pavement markings, and restoration. • Chicago Avenue LAFO, Oak Park Resident Engineer for 2 mile resurfacing through the Village of Oak Park's Downtown Business District. Project included streetscape improvements, including lighting and coordination with Frank Lloyd Wright Association.

John Gutsch Project Engineer IDOT Documenting Certification # 16-11918 Bachelor of Science in Civil Engineering, University of Illinois, 1994 Certified PACP/LACP & MACP User Certification # U-1115-07001893	23/23	John Gutsch is a Project Engineer at Hancock Engineering. John has substantial experience in both the design and construction of roadway improvements, water main design, storm and sanitary sewer improvements, and streetscape beautification projects. He ensures that the contractor's contractual obligations are exceeded, and that layout, inspection, and documentation of the construction projects are completed in a timely manner. John works closely with Village staff and Residents during the construction of projects to ensure that they are aware of the progress, project issues, and coordinates the improvements to address Village needs and concerns. Recent Engineering projects include: • Resident Engineer on $1.9 million Prairie/Washington Pump Station Improvements in the Village of Brookfield. The project included building a new pump station as well as installation of storm and sanitary sewer, curb and gutter replacement, sidewalk improvements, pavement reconstruction, and pavement resurfacing. • Resident Engineer on $2.1 million 2016 Street Improvements Project in the Village of Brookfield. The Project included the resurfacing of 5 miles of residential streets along with drainage structure and sewer repairs, pavement patching, curb and gutter replacement, sidewalk improvements, and coordination between three general contractors. • Design and Resident Engineer on $1.1 million Shields Avenue Improvements Project (FAUS/STP) in the Village of Brookfield. The project included the resurfacing and reconstruction of a village collector route. • Design and Resident Engineer on $1.2 million Northwest Highway Streetscape Improvements (FAUS/STP) in the Village of Mount Prospect. The project refreshed 0.8 miles of an existing commercial corridor including storm sewer, concrete replacement, brick pavers, landscaping, and an irrigation system. • Design and Resident Engineer on $2.0 million Roosevelt Road Streetscape Project (FAUS/STP) in the Village of Broadview. The project refreshed 0.5 miles of an existing commercial corridor.

Jeff Kearney Resident Engineer IDOT Documenting Certification # 14-01162 Bachelor of Science in Industrial Technology, Illinois State University, 1992 Certified PACP/LACP & MACP User Certification # U-1115-07001893	19/25	Jeff has been in the civil engineering business for nearly 25 years. He has amassed tremendous experience in serving as Resident Engineer for a multitude of locally funded and State funded projects. He is an IDOT certified documenter and has mastered the "art" of project close-out. Jeff brings a wealth of experience to our projects and is a very valued member of our team. Jeff was an RE for the Illinois Department of Transportation for 6 years prior to working at Hancock. Recent Engineering projects include: • Overhill Avenue Improvements, Norridge Resident Engineer for Federally funded roadway reconstruction projects valued at approximately $2 Million. The project includes full-depth asphalt pavement, installation of storm sewer system, replacement of water main and street lighting. • Montrose LAFO Improvements, Norridge Resident Engineer for Federally funded roadway resurfacing project valued at approximately $800,000. The project includes milling and resurfacing of asphalt roadway, replacement of intermittent curb and gutter, sidewalk, driveway, and other landscaping items. The project also included the installation of storm sewer. • St Charles Roadway, Maywood Resident Engineering Services for a federally funded roadway improvement project. The improvements consisted of the milling and resurfacing and/or reconstructing of approximately a mile of deteriorated roadway, curb and gutter replacement, sidewalk improvements, and storm sewer installation. The project was valued at approximately $ 3 Million. • Balmoral Avenue Improvements, Westchester Field Engineering Services for a federally funded roadway improvement project. The improvements consisted of the milling and resurfacing and/or reconstructing of approximately a mile of deteriorated roadway, curb and gutter replacement, sidewalk improvements, and storm sewer installation. The project was valued at $ 1.1 Million.

Client References

The following is a partial list of clients for whom we currently provide engineering services to. We have included the length of time we have been retained by each client and a suggested contact party for obtaining further information regarding the services we have been providing.

MUNICIPALITIES

VILLAGE OF BELLWOOD Since 1945
Contact Party : Honorable Andre Harvey, Village President
Telephone No. : (708) 547-3505

VILLAGE OF BROADVIEW Since 1950
Contact Party : Mr. Matthew Ames, Public Works Director
Telephone No. : (708) 681-3600

VILLAGE OF BROOKFIELD Since 1981
Contact Party : Mr. Keith Sbrial, Village Manager
Telephone No. : (708) 485-7344

VILLAGE OF FOREST VIEW Since 1957
Contact Party : Mr. Mark Masciola, Village Administrator
Telephone No. : (708) 749-0310

CITY OF HOMETOWN Since 2003
Contact Party : Honorable Kevin Casey, Village President
Telephone No.: 708-424-7500

VILLAGE OF LA GRANGE PARK Since 1955
Contact Party : Ms. Julia Cedillo, Village Manager
Telephone No. : (708) 354-0225

VILLAGE OF MAYWOOD Since 1995
Contact Party : Mr. John West, Public Works Director
Telephone No. : (708) 450-4482

VILLAGE OF MELROSE PARK Since 1999
Contact Party : Mr. Gary Marine, Public Works Director
Telephone No. : (708) 343-4000

VILLAGE OF NORRIDGE Since 1999
Contact Party : Mr. Brian Gaseor, P.E., Village Engineer
Telephone No. : (708) 453-0800

VILLAGE OF OAK PARK Since 2013
Contact Party : Mr. Bill McKenna, Village Engineer
Telephone No. : (708) 383-6400

VILLAGE OF OAK LAWN Since 1947
Contact Party : Mr. Jack Gallagher, Village Engineer
Telephone No. : (708) 499-7816

VILLAGE OF RIVERDALE Since 2013
Contact Party: :Mr. Lawrence Jackson, Mayor
Telephone No. (708) 841-2200

VILLAGE OF RIVER FOREST Since 1990
Contact Party : Mr. Jeff Loster, P.E., Village Engineer
Telephone No. : (708) 366-8500

VILLAGE OF RIVER GROVE Since 1965
Contact Party : Ms. Lynn Bjorvik, Mayor
Telephone No. : (708) 453-8000

VILLAGE OF Villa Park Since 2014
Contact Party : Mr. Jeremie Lukowicz, Assistant Village Engineer
Telephone No. : (630) 834-8505

Professional References

The following is a small sampling of professional groups for whom we currently have an excellent working relationship with:

Illinois Department of Transportation
Contact Party : Ms. Marilin Solomon
Telephone No. : (708) 705-4407

Cook County Department of Planning and Development
Contact Party : Ms. Sylvia Parham, Grants Manager
Telephone No. : (312) 603-1030

Illinois Environmental Protection Agency
Contact Party : Ms. Alan Anderson
Telephone No. : (847) 758-3412

Metropolitan Water Reclamation District
Contact Party : Mr. Dave Zala
Telephone No. : (708) 435-1393

VILLAGE OF CLARENDON HILLS
ADMINISTRATION

1 N. Prospect Avenue
Clarendon Hills, Illinois 60514
630.286.5400

October 11, 2017

Village of Bensenville
12 S. Center Street
Bensenville, IL 60106

RE: Qualifications of Edwin Hancock Engineering Company, Westchester, IL.

To whom it may Concern:

I had the pleasure of working with the Edwin Hancock Engineering Company ("Hancock") for almost 15 years during my tenure with the Village of Schiller Park. Overall I was very satisfied with their work in all aspects of municipal engineering including planning, project design and construction inspection.

Hancock performed all levels of service including day-to-day management of engineering functions. This background and level of planning allowed Hancock to support the Village in all realms. This included streets, sewers and facility management. Hancock was responsible for planning and maintenance for all aspects of the Village's potable water system. This of course included the design, bidding, and contract management and construction oversight of numerous water main installation projects. I found that Hancock addressed these projects in an effective, efficient and professional manner. In particular they understood the hard ship that these type of projects could impose on local residents and dealt with these concerns in a sensitive manner.

In short, based on my experience, I would not hesitate to recommend Hancock to perform all aspects of municipal engineering work, including design and oversight of water main installation. Feel free to contact me if you would like to discuss my experience with Hancock further.

Yours truly,

Kevin S. Barr
Village Manager

July 28, 2015

Re: Qualification of Edwin Hancock Engineering Co., Westchester, Illinois

To Whom It May Concern:

Hancock Engineering has served as the Village of La Grange Park's Municipal Engineer since before my tenure began as the Village's Director of Public Works in 2012. My understanding is that they have held this position for over 90 years, dating back to the early 1920's.

Hancock Engineering has always met my expectations of what would constitute a high-level consulting municipal engineering firm. They provide sound technical expertise, are very service orientated, and offer their expertise at very reasonable rates. Most importantly, they understand the importance of serving our residents and consistently go above and beyond to aid our residents. Hancock Engineering is an important asset to the Village of La Grange Park.

Since I became the Director of the Village's Public Works Department, Hancock Engineering has performed numerous projects for the Village of La Grange Park. Together, we have maintained and updated our pavement condition map, analyzed our existing combination sewer system, and made significant improvements to our water infrastructure. On behalf of the Village, I can attest that Hancock Engineering has consistently met our expectations related to project schedules for all of the various projects they have been engaged to complete.

I would recommend Hancock Engineering for any of your projects involving municipal infrastructure planning, design, or construction observation. Please feel free to contact me to answer any questions you may have regarding the work or qualifications of Hancock Engineering.

Respectfully,

Brendan McLaughlin,
Director of Public Works

937 Barnsdale Road, La Grange Park IL 60526
(708) 352-2922 Fax: (708) 354-9942

Oak Park

The Village of Oak Park
Village Hall
123 Madison Street
Oak Park, Illinois 60302-4272

708.383.6400
Fax 708.383.9584
www.oak-park.us
village@oak-park.us

June 13, 2016

Mr. Michael Hankey, P.E.
Director of Transportation and Engineering Division
Village of Hoffman Estates
1900 Hassell Road
Hoffman Estates, IL 60169

Re: Edwin Hancock Engineering recommendation

Dear Mr. Hankey,

The Village of Oak Park has been working with Edwin Hancock Engineering over the past three years to oversee construction of a federally funded resurfacing project of Ridgeland Avenue and for the design and construction engineering of two years of alley improvement projects. Hancock Engineering has performed excellently on both projects and the Village looks forward to recommending extending the agreement for the alley improvement engineering to utilize Hancock Engineering for the 2017 alley improvement projects based on their performance this year. The Ridgeland Avenue resurfacing project was approximately $2M and the alley improvements are approximately $3M annually. Both projects were completed within and under budget.

Hancock Engineering did an excellent job in preparing project design plans in a timely fashion, overseeing construction, ensuring project documentation was according to IDOT policy, coordinating the projects with Village staff, communicating with the Village's residents and businesses, and closing out federal projects quickly. The businesses and residents of the Village of Oak Park have very high expectations regarding the level of communications, mitigating impacts, and addressing their needs during construction. Hancock did a great job ushering these residents through the process and kept complaints to a bare minimum.

I would highly recommend Edwin Hancock Engineering for municipal engineering work. If you have any questions please feel free to call me at the number below.

Sincerely,

William McKenna

Bill McKenna, PE
Village Engineer
Village of Oak Park
201 South Boulevard
Oak Park, IL 60302
708.358.5722
mckenna@oak-park.us

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [2] Design Engineering
- [ ] Wastewater Improvements
- [ ] Stormwater Engineering
- [1] Resident Engineering

Statement of Qualifications: Provide the ENGINEER's qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the Engineer is a corporation, the corporate seal must be affixed.

For proposals and Contracts resulting from the utilization of shortlists developed from this portion of the selection process, the successful ENGINEER, will be required to agree and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Shortlist for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: _____

Print Name .....: Derek Treichel, P.E

Position/Title.....: President

Company Name ...: Edwin Hancock Engineering Company

Address line 1 .....: 9933 Roosevelt Road

Address line 2 .....: Westchester, IL 60154

Telephone : 708-865-0300

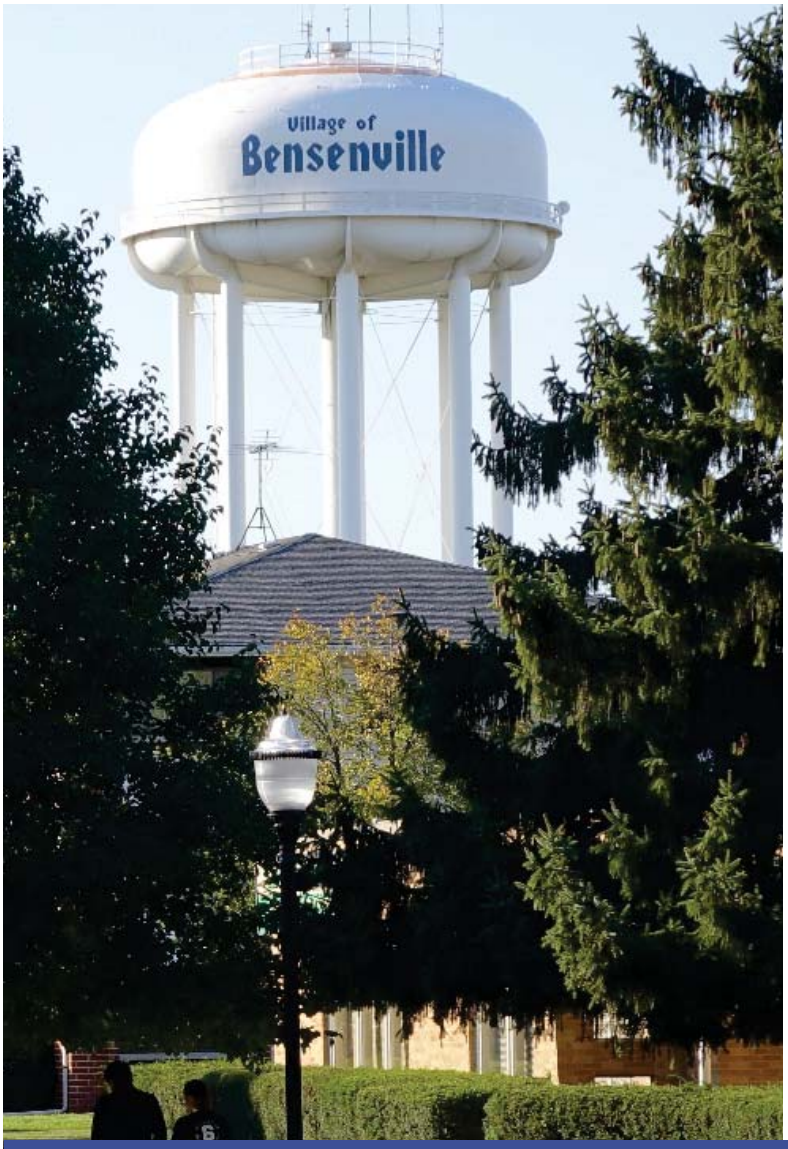


BENSENVILLE
GATEWAY TO OPPORTUNITY

Request for Qualifications

Establishment of Short-Lists for Civil Engineering Services

October 19th, 2017, 3:00 PM





Prepared for:
Joseph M. Caracci, P.E.
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, Illinois 60106

Submitted by:
Hampton, Lenzini and Renwick, Inc. (HLR)
380 Shepard Drive
Elgin, Illinois 60123
Ph. (847) 697-6700
Fax (847) 697-6753

Questions can be directed to:
Ryan Livingston, P.E.
Municipal Engineering Manager
Ph. (847) 697-6700
rlivingston@hlreng.com

HLR

Work Hard • Have Fun • Give Back

Hampton, Lenzini and Renwick, Inc.
Civil Engineers • Structural Engineers • Land Surveyors • Environmental Specialists
www.hlrengineering.com

October 19, 2017

Mr. Joseph M. Caracci, P.E.
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, Illinois 60106

RE: Request for Qualifications – Establishment of Short-Lists for Civil Engineering Services

Dear Mr. Caracci:

The Village of Bensenville has been committed to a proactive approach in the redevelopment of their capital assets; committing nearly $30 Million dollars to street repair and improvements in the next 5-years. In this respect, the Village is a steward for maintaining its local infrastructure and an example to neighboring communities. We share this same passion toward the preservation, maintenance, and improvements of our community's assets.

We are committed to providing quality engineering services that align with Village's goals and provide the necessary improvements to enhance quality of life for its residents. Thorough coordination and collaboration with the Village will be the guiding principle to achieving successful solutions. We are agents for our clients and the communities we work in. We provide assistance with grants/funding and cost-competitive engineering with a value-centric approach to provide the best return for your dollar.

We invite you to consider these additional factors which will allow us to provide the engineering services the Village desires to achieve its vision:

- **Full Service Expertise**: We are a full-service firm that can offer a streamlined project approach by providing all the requested services in-house including, but not limited to: topographic survey, right-of-way determination, preliminary and final design, structural inspection, ecological improvement design/build, site remediation, bid assistance, construction observation, and even land acquisition/negotiations. This allows us to be proactive in addressing your needs and answering questions on short notice.
- **Quality Without Compromise:** Our employees understand that success depends on providing quality work to meet our clients' goals, which is why we take responsibility for our recommendations and always keep our clients' best interests in mind. We also care a lot more about getting it done right, and the relationships that we build, than the bottom line. We encourage you to contact Jeff Van Landuyt (Woodstock Public Works Director) at (815)338-6118 and Kyla Jacobsen (Elgin Public Service Director) at (847) 931-6160 regarding our capabilities on contracts similar to the Village's requested services.

Thank you for the opportunity to submit our qualifications. We have read and understand the scope of services and agree to the terms and conditions included in the Request for Qualifications (RFQ).

Our team looks forward to creating a great relationship with Bensenville and contributing to the continued success of the community. If you have any questions regarding our submittal, please feel free to contact me at dhhinkston@hlreng.com.

Yours truly,
HAMPTON, LENZINI AND RENWICK, INC.

David H. Hinkston, PLS
President/CEO

380 Shepard Drive
Elgin, Illinois 60123-7010
Tel. 847.697.6700
Fax 847.697.6753

6825 Hobson Valley Drive, Suite 302
Woodridge, Illinois 60517
Tel. 847.697.6700
Fax 847.697.6753

3085 Stevenson Drive, Suite 201
Springfield, Illinois 62703
Tel. 217.546.3400
Fax 217.546.8116

323 W. Third Street, P.O. Box 160
Mt. Carmel, Illinois 62863
Tel. 618.262.8651
Fax 618.263.3327

RFQ – ESTABLISHMENT FOR SHORT- LISTS FOR CIVIL ENGIENERING SERVICES



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Appendix



For over 50 years, we have been working with communities to design vibrant places for people to live, work, and play. Our doors opened with just a handful people, and now we have over 80 of the best employees in Illinois.

When it comes to engineering, we understand that every project is unique, and every client deserves their own solution. Our team will work with Village staff and stakeholders to understand your needs, the goals of each project, and figure out the best way to bring it all to life without a cookie-cutter approach.

Below, and in the following pages, we have provided additional details on who we are, what we do, and how we excel.

Management Structure

We are an employee-owned firm led by seven Officers of the Company and a five-person Board of Directors. Their names and roles are listed below, including David H. Hinkston, PLS our current CEO/President. Since our employees are our owners, we have an added sense of responsibility to ensure that our clients' needs are met, and they are satisfied with the results. Below is a list of our current management team:

- David H. Hinkston, PLS – CEO/President
- ReJena Lyon, PE, PLS – Executive Vice President
- Erica Spolar – Vice President
- Steve Megginson, PE, SE – Vice President
- Austin Ridgley, PLS – Vice President
- Randal Newkirk, PE, CFM – Corporate Secretary
- Amy McSwane, PE – Corporate Treasurer

Office Locations

We have four office locations throughout Illinois, making us big enough to handle the largest projects, yet small enough to never lose sight of the personal relationships we make.

Headquarters	South Suburban Branch	Central Illinois Office	Southern Illinois Office
380 Shepard Drive Elgin, IL 60123 Tel. (847) 697-6700 Fax (847) 697-6753	6825 Hobson Drive, #302 Woodridge, IL 60517 Tel. (847) 697-6700 Fax (847) 697-6753	3085 Stevenson Drive, #201 Springfield, IL 62703 Tel. (217) 546-3400 Fax (217) 546-8116	323 West 3rd Street Mount Carmel, IL 62863 Tel (618) 262-8651 Fax (618) 263-3327

Resources

We are fully staffed and equipped to provide all design and construction services. Our staff consists of a team of engineers with extensive experience working directly with many jurisdictions, municipalities, and counties throughout Illinois. Our technical staff currently includes:

- 29 Licensed Professional Engineers
- 4 Licensed Structural Engineers
- 9 Licensed Professional Land Surveyors
- 3 Professional Traffic Operations Engineers
- 8 Designated Erosion Control Inspectors
- 4 Certified Floodplain Managers
- 5 Certified Wetland Specialists
- 2 Professional Wetland Scientists
- 3 Certified Professionals in Erosion and Sediment Control
- 2 Certified General Appraisers
- 1 IDOT-Approved Negotiator
- 3 Certified Arborists
- 14 Certified IDOT Quantity Documentation Inspectors
- 3 Certified Public Infrastructure Inspectors

Services Provided In-House

We offer a broad range of services to municipal, county, state, and federal government clients, as well as utility companies, forest preserve districts, and homeowner associations. Our engineering approach begins with a thorough understanding of the client's goals, budget, and schedule. We then complete an in-depth analysis of the community's needs and environmental constraints affecting design and construction. We realize the Village deserves a specific, workable, and cost-effective solution and this information provides the basis for developing project plans.

Our teams also pride themselves on quality – each submittal is carefully designed and quality-reviewed. Our commitment to cross-departmental collaboration provides unified solutions, shortened project cycles, and reduces cost. Most importantly, you can expect timely contact with our team, so you know exactly what's happening, when it happens.

In result of our broad range of services and our staff's experience, we will be able to start projects as soon as we receive notice-to-proceed. Our current/future workload will neither interfere with, nor limit us from providing the Village with the time and attention that is required for any project.

Our staff is familiar with the Village's future planning documents including: 2015 Comprehensive Plan, Active Transportation Plan, and Capital Improvement 5-year Plan (CIP). Because of our close relationships with similar villages, we also understand that important goals are not always visible in these planning documents, but learned through coordination with Village staff and discussed during Village board meetings. Below and in the following pages, we have provided a list of the services and example projects that we feel would be most relevant to the Bensenville community.

Preliminary Engineering	Design Engineering	Construction Engineering
Feasibility Studies Public Involvement Intersection Design Studies Federal-Aid Documentation/Reports Grant Applications & Assistance	Roadway/Stormwater Improvements Lighting Evaluation & Design Development Plan Review ADA-Compliant Design and Planning Pavement Evaluation/Maintenance	Construction Observation Public Relations/Coordination Erosion and Sediment Control Construction Layout/Verification Documentation/ICORS/eFieldReporting
Structural Engineering	**Traffic Engineering**	**Land Surveying and Acquisition**
Bridge and Retaining Wall Rating Evaluation and Planning Structure Design Building Structure Forensics Reservoir/Elevated Tank Inspections	Traffic Signal/Interconect Design Optimization/Re-Optimization Signal Coordination and Timing Temporary Signal Timings Traffic/Speed/Safety Studies	Topographic/Route/Boundary Surveys Right-of-Way Surveys and Plats ALTA/NSPS Land Title Surveys Drone Surveys Appraisals and Negotiations
GIS Services	**Environmental Services**	**Water/Wastewater**
Asset Management Utility Mapping System Modeling Database Design Training	NPDES Documentation Native Area Management Wetland Delineations/Permitting Green Infrastructure Design/Build CCDD, Air, and Noise Analysis	Ground/Surface Water Source Design Treatment Plant/Collection Systems Hydraulic Distribution Modeling Telemetry & Control System Design Pump and Lift Stations

IDOT Pre-Qualification Letter and State of Illinois Professional Design Firm License:

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

November 18, 2016

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

David Hinkston
HAMPTON, LENZINI AND RENWICK, INC.
380 Shepard Drive
Elgin, IL 60123

Dear David Hinkston,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $30,400,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 147.00% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR HAMPTON, LENZINI AND RENWICK, INC.

CATEGORY	STATUS
Special Studies - Location Drainage	X
Structures - Highway: Simple	X
Hydraulic Reports - Waterways: Complex	X
Special Services - Surveying	X
Special Studies - Signal Coordination & Timing (SCAT)	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Structures - Highway: Advanced Typical	X
Special Studies - Safety	X
Hydraulic Reports - Waterways: Typical	X
Special Services - Construction Inspection	X
Special Studies - Feasibility	X
Hydraulic Reports - Pump Stations	X
Special Studies - Traffic Signals	X
Highways - Roads and Streets	X
Location Design Studies - New Construction/Major Reconstruction	X
Special Studies - Traffic Studies	X
Special Services - Electrical Engineering	X
Location Design Studies - Rehabilitation	X
Environmental Reports - Environmental Assessment	X
Highways - Freeways	X
Structures - Highway: Typical	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

State of Illinois
Department of Financial and Professional Regulation
Division of Professional Regulation

LICENSE NO.
184.000959-0014
035.003302

The person, firm, or corporation whose name appears on this certificate has complied with the provisions of the Illinois Statutes and/or rules and regulations and is hereby authorized to engage in the activity as indicated below:

EXPIRES:
04/30/2019

DESIGN FIRM - LS/PE/SE

HAMPTON LENZINI AND RENWICK INC
380 SHEPARD DR
ELGIN, IL 60123-7010

BRYAN A. SCHNEIDER
SECRETARY

JESSICA BAER
DIRECTOR

The official status of this license can be verified at www.idfpr.com

11624314



Design Engineering

A quality set of plans and specifications is essential for a successful project. Whether you're looking to increase intersection capacity, improve underground infrastructure, or upgrade paths and sidewalks to meet accessibility requirements, we have the knowledge and diverse experience to deliver detailed, accurate plans for all your transportation needs.

Our design engineering team prides itself on taking ownership of projects and will work closely with you to understand all aspects of your vision and help make it a reality. We strive to create designs that will enhance your community by improving public safety, protecting the environment through sustainable applications, and implementing needed improvements, while helping foster economic development.

We will work as an extension of your staff, keeping your best interests in mind, to provide a design that accomplishes your project goals. We recognize that constructability and change order prevention are vital aspects to the success of a project and ultimately allow our clients to continue to implement meaningful improvements in a cost-effective manner. Below we have highlighted just a few specific design services we feel can be beneficial to the Village:

- **Utility Conflicts:** Proactive planning to identify and resolve utility conflicts helps prevent delays during the construction process. Our team will coordinate early with both municipal and non-municipal services (i.e. telephone, cable, power, gas) and regularly forward plan updates to all affected agencies. In addition, we can also assist the Village with municipal utility upgrades and/or maintenance that may be needed during construction.
- **Maintenance of Traffic (MOT):** Providing clear ways for all traffic to navigate or detour around construction activities is a vital component to all projects. Our team designs detour routes and recommends the use of proper signage, closures, and temporary measures to keep the public safe. These also incorporate plans for emergency vehicle usage during construction so that safety and public services are never compromised.
- **Streetlighting:** Many roadway and parking lot projects require streetlighting to illuminate for safety purposes. Our staff understands lighting requirements based on common practice/municpal requirements. Services include street light selection including festoons and banner brackets, photmetric calculations, LED upgrades, lighting controllers, and cable size determination.
- **Parking Lot Engineering:** Parking lot projects are typically improvements to existing lots, therefore there is an understanding of issues that occurred throughout the years from the Municpal Maintenance Crews. Stressed parking lot pavements often occur within travelways or other areas acceded by heavy vehicles, that can be remedied by increasing the pavement structure or using concrete instead of HMA. Other issues include dermination of parking stall layout and orientation, handicap spaces, and ADA ramp/sidewalk compliance. HLR has provided similar parking lot improvements to numerous schools throughout U-46.

Design Engineering (continued):

- **Traffic Engineering:** Our traffic team has three Professional Traffic Operations Engineers (PTOE), each with certifications from the International Municipal Signal Association (IMSA). Our team can help inventory your traffic control elements, perform stop and traffic signal warrant analysis, interconnect/maintain/monitor signals, identify problem areas, respond to constituent complaints, and determine an order of priority for addressing issues. Our team can also develop a Village-wide Synchro model to help highlight hotspots with signalized intersections. We are IDOT-prequalified in Signal Coordination and Timing (SCAT) and can facilitate updating the timing plans for traffic signals throughout the Village. We can also help to identify problem crossings and improve pedestrian treatments, where needed, with the use of curb bump-outs, bollards/pedestrian barriers, rapid rectangular flashing beacons, raised pedestrian tables, appropriate signing, and pavement markings.
- **Environmental Services:** Most projects have at least one environmental component to consider. We can provide Bensenville with public outreach and education for all services. We can provide green infrastructure design including bioswales, biofiltration basins, rain gardens, permeable pavers, and porous concrete. We can also provide native area management services to restore and maintain your natural areas, including wetlands, prairies, streambanks, and detention basins. We can identify invasive species and recommend the most effective ways for control and eradication. We can coordinate effective and economical controlled burns for your sites. Our Certified Wetland Specialists have extensive experience coordinating wetland screenings, delineations, mitigations, and permitting. We also have established relationships with multiple regulatory agencies including the U.S. Army Corps of Engineers, Illinois Department of Natural Resources, and the Illinois Environmental Protection Agency. W also have excellent relationships with Clean Construction Demolition and Debris (CCDD) facilities throughout the northwest suburbs.
- **Pavement Management:** We have worked with several communities on annual street maintenance programs. These programs have included pavement inspection, analysis, inventory and long-term planning. Our pavement experts look at each location on a case by case basis when recommending improvement strategies. We do not follow the typical “mill & fill” strategy but utilize several methods depending on; sub-base and sub-grade condition, existing materials, pavement failures, pavement surface deficiencies, traffic volume and type, geographic location and any other weighted data the Village may want to include. With the Villages 5-year projection of nearly $30 Million dedicated to streets, HLR wants to help ensure these funds are spent in the most practical and affective way possible.



Water / Wastewater

Proper stewardship of water is a responsibility that we take seriously. Innovative and forward-thinking designs are becoming more and more important due to the increasing demands population growth places on existing infrastructure. We understand that the design of potable water and wastewater collection/treatment systems is important to the vitality and health of communities.

Our team has successfully completed the development of thousands of miles of public water lines, supplying potable water to numerous households. We regularly work with municipalities to provide basic maintenance and complete water system designs. We also have successfully completed several new water and wastewater treatment plants, new water supplies and supply interconnects. The reduction of infiltration and inflow (I/I) in sanitary sewer collection systems is a significant challenge for communities. Many times, reduction of I/I is part of a CMOM plan that is a Special Condition to a renewed NPDES permit. Assisting in the CMOM plan preparation and NPDES permit review is one of many wastewater services we can provide.

We provide specific solutions to the challenges facing our municipal clients and are experienced with all aspects of water/wastewater systems. We keep our clients' best interests in mind regarding increasing environmental regulations and advancing computer-simulation modeling. Our engineers regularly take the following into account when tackling these projects:

- **Alternatives:** We work closely with the client to determine the best alternative for their water or wastewater system. There are typically several alternatives available to accomplish the same result. This is true not only in treatment, but also in distribution and collection of water and wastewater systems. Identifying a system that is easily and efficiently operated by the client is our goal.
- **Efficiency:** The largest operational expenses for a water or wastewater system are power, chemicals, and employees. These factors shape our design and help us recommend the most efficient system approach that is also practical in terms of capital costs. Examples of improvements in efficiency are reduction in pumping times or avoidance of unnecessary pumping cycles, reduction of infiltration and inflow, and improved meter-reading and telemetry systems. Also, having all systems fully-automated helps to minimize employee oversight requirements and reduces error.
- **Costs:** As part of the alternative determination, we will evaluate all project costs and explain them to the client. Not only the capital costs of the project are evaluated, a detailed present-worth analysis is also performed, as needed to evaluate the complete life cycle cost of the project. This allows the client to make informed decisions regarding the improvements and ensures that we can provide a recommendation based on a best overall value approach.

Water / Wastewater (continued)

- **Funding Management:** Larger projects often require state and/or federal funding. Our team has extensive knowledge of the complete funding processes, potential sources, and can guide the client step by step through the entire project, including grant application assistance. Most water/wastewater projects consist of the: planning phase, funding phase, design and permitting phase, bidding phase, construction phase, and project closeout phase.

Some of the additional water/wastewater engineering we can provide includes:

- Ground/Surface Water Treatment Plants
- Storage Tank and Towers
- Pumping and Metering Systems
- Water Mains
- Feed Systems
- Rate Analysis
- Hydraulic Modeling of Distribution Systems
- Wastewater Treatment Plants
- Traditional/Alternative Collection System Design
- Pump and Lift Stations
- Facilities Planning and Permitting



Stormwater Engineering

Communities have become increasingly sensitive to stormwater impacts and learning how to manage them in a comprehensive manner. We have been providing drainage solutions to local, county, and state governmental agencies since 1965. Our team offers numerous stormwater engineering services using the latest computer software including:

- **Location Drainage Studies:** We perform drainage investigation services for underperforming systems and known flooding locations. These can include field investigations, sewer televising, and hydraulic system evaluation. We will assist or design solutions for our clients to remedy the cause of flooding.
- **Hydraulics and Hydrology:** We also have experience with numerous hydraulic and hydrology modeling software including HEC-1, HEC-HMS, HEC-2, HEC-RAS, HY-8, TR-20, TR-55, Hydraulic Toolbox, Hydraflow, StormCAD, and XP-SWMM. These tools help us evaluate and design effective stormwater drainage systems. Hydraulic designs include storm sewer systems, culverts, bridges, and ditches. In addition, we use hydrology to determine tributary flows, optimize the performance of stormwater detention basins, and design control structures.
- **Letter of Map Amendments (LOMA) / Letter of Map Revision (LOMR):** We have experience preparing the forms, exhibits, calculations, and reports that are necessary to revise the floodway and floodplain as indicated on the FEMA Flood Insurance Rate Maps. Revisions to the delineated floodway/floodplain require coordination with the IDNR-OWR for hydrology/hydraulic concurrence as well and the Illinois State Water Survey.
- **Green Infrastructure:** Green infrastructure not only improves stormwater quality by promoting infiltration and evaporation, it also reduces runoff volume. We will review each situation independently and make recommendations, where appropriate, for such systems.
- **Stormwater Planning:** We can assist the Village of Bensenville with stormwater planning that can eliminate or reduce the likelihood of flooding. We can also help with planning potential solutions for flooding problems, develop priorities based on the cost-benefit of the potential issues, and assist in developing a capital program to reduce flooding. Part of the master planning may include review and recommendations of Village's ordinance. Review and improvements to these documents ensure future developments will be planned for accordingly.
- **Permitting:** Flooding can be the cause of many residents' frustration, and therefore stormwater management designs often require extensive permitting. We are familiar with requirements set forth by the USACE, IDNR-OWR, Soil and Water Conservation Districts, IEPA, and IDOT allowing us to complete the process quickly.

Stormwater Management (continued)

- **Stormwater Management Projects**: We have worked on many major stormwater management projects to reduce flooding on a regional basis. We have recently designed regional facilities including large-diameter trunk sewers, control structures, and regional stormwater detention basins for the Village of Northbrook, Will County Department of Highways, Village of Homer Glen, City of Lake Forest, and the Illinois Department of Transportation. Significant coordination is needed for these projects to be considered a success, including stakeholders and review agencies.
- **Review Services:** Along with development reviews, we can provide reviews of stormwater reports/plans to confirm compliance with stormwater management ordinance can be a time-consuming process. We can assist the Village with these reviews including hydrology and hydraulic calculations, stormwater detention basin design, control structure design, overland flood routes, emergency flood overflows, freeboard determinations, and Best Management Practices. We provide similar services for the Kane County Division of Transportation, City of Belvidere, and the City of Elgin. Plans and reports are evaluated based on current ordinances and design guidelines.

Along with above mentioned services, the stormwater engineering we feel will be most applicable to the Village of Bensenville include the following:

- Stormwater Modeling and Master Plans
- Hydrologic/Hydraulic Analysis
- Water Retention/Detention Structures
- Drainage Studies and Hydraulic Reports
- Floodplain/Floodway Analysis
- FEMA Map Revisions

Resident Engineering

The construction process is a complex undertaking comprised of many details and coordination challenges. We will work as an extension of the Village's staff throughout the various improvements to achieve your goals and objectives. To deliver projects safely, under budget, and to the highest quality, our engineers implement the following approach:



Communication: Effective communication and coordination with all stakeholders on a project is where we shine. Whether it's a pre-construction meeting with the Village or personal meetings with affected residents, our staff will make distribution of information a priority at all times. We will supply Bensenville staff with regular status updates via e-mail, phone, or project reports (as desired). Our proposed Resident Engineer for each project will work with our marketing department and the Village to produce flyers, e-blasts, website updates, and/or social media posts to relay project information in a clear, concise manner without "engineering" terminology, which can be confusing to the public. Our proposed Resident Engineers are always available 24/7 to answer questions and respond to concerns. Before the start of any construction project our RE's make personal contact with each individual project stakeholder potentially affected during construction.

Constructability: As an advocate for the Village, we will maintain a positive relationship with the contractor. Our team will implement a collaborative approach to construction scheduling and operations while utilizing existing relationships we have gained on other projects. Our proposed Resident Engineers are onsite full-time when work is being performed, continually coordinating with the contractors to make any necessary decision without constantly calling Village staff for guidance. We also understand that when the situation calls for it, the Village will be made aware of all updates/change orders throughout the project. Our teams vast experience on municipal projects allows us to work independently while serving the client's best interest. In addition, our RE's are fully capable of providing services related to survey and as-built collection during construction by using a robotic total station and a GPS unit. This dedication, knowledge, and accessibility allows for a "headache-free" construction process, benefiting all involved parties.

Our team works diligently to interpret the intent of the plans prior to construction and before individual tasks to catch any potential discrepancies. This allows for issues to be remedied ahead of time. We routinely perform the following tasks to help ensure that improvements are constructed in a timely manner and to the highest quality:

- Pre-construction site visits
- Quantity takeoffs
- Construction layout checks
- Potential Utility conflicts
- ADA compliance reviews
- Material/equipment staging location planning
- Documentation and calculation checks
- Material/Shop Drawing Review

Closing: Full-time observation of construction projects require extensive documentation and detailed closeout. Daily Inspection Sheets, Erosion Control Inspection Forms, Traffic Control Reports, and other material information must be organized in an orderly manner. This process is started by our Resident Engineer during the pre-construction phase to allow for proper filing throughout the improvements. This "Constant Closing" allows our staff to limit the amount of time required at the end of the project to track down necessary forms/tickets/calculations, saving you on engineering fees.

SECTION III: SIMILAR PROJECT EXPERIENCE

Past performance is the best indicator of how a team will perform. From major-scale engineering projects to the beautified turn of a public street, we are known for delivering improved infrastructure and design solutions that create better-functioning communities and a healthier environment.

Below are a list of similar projects our proposed team has recently completed. We encourage you to contact our references for these projects. We are proud of our contributions to these improvements and their many benefits to the community.



Longmeadow Parkway (Section A)
Kane County Division of Transportation

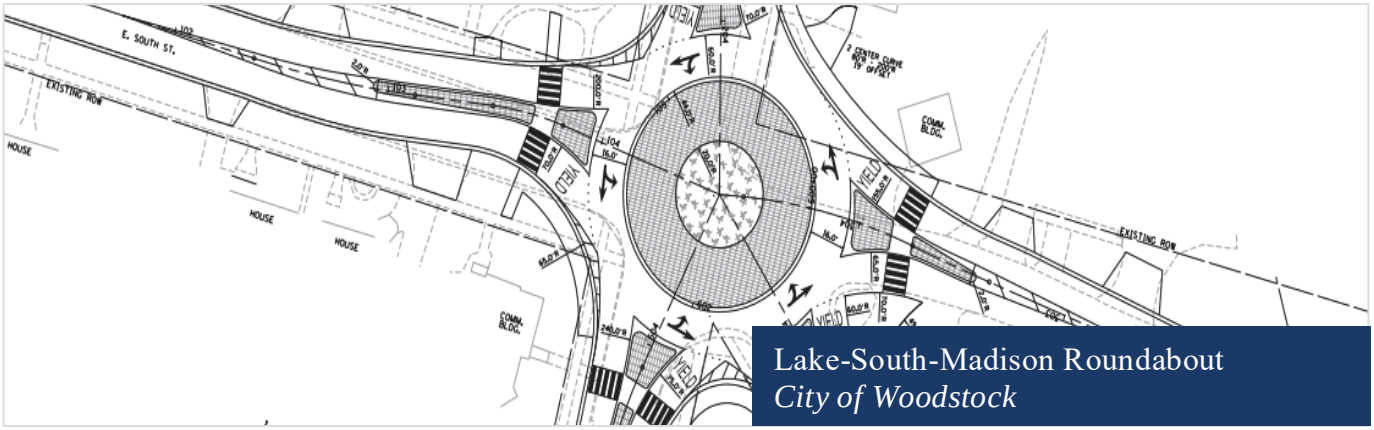
Phase II was separated into two sections: A-1, from Huntley Road to just west of Randall Road, and A-2, from Randall Road to just east of Stonegate Road. Section A-1 was locally-let and included reconstruction of Huntley Road for approximately 3,500-feet, Boyer Road for 1,000-feet, and a new rural section of Longmeadow Parkway through an existing farm field for 2,500-feet. Due to tight right-of-way, underground detention was utilized to store stormwater in accordance with the Kane County Stormwater Ordinance. It also included new traffic signals at the Huntley, Boyer, and Longmeadow intersection. Section A-1 was designed for future expansion when adjacent farm land is developed.

Section A-2 included 3000-feet of Randall Road reconstruction and 1700-feet of urban section Longmeadow Parkway. The Longmeadow Parkway and Randall Road intersection included a traffic signal, dual left-turn lanes, right turn lanes, and additional thru lanes for Randall Road. This urban section of Longmeadow Parkway included concrete pavement. Drainage collection systems, along with both above ground and underground detention, were utilized to meet the stormwater ordinance.

Improvements designed include:

- Approximately 7,000’ of rural and 4,500’ of urban section roadway
- Additional dual left-turn, right-turn, and thru lanes at Randall Rd.
- New bike path along the corridor
- New traffic signals at the Boyer and Randall Rd. intersection
- Above-ground and underground stormwater detention

Project / Client	Longmeadow Parkway (Section A) / Kane County Division of Transportation
Scope of Work / Contractor / Client POC	Design of approximately 11,500-feet of roadway including traffic signals, pedestrian bike path, and stormwater conveyance. Carl Schoedel (630)406-7306
Project Team	**Amy McSwane**, PE, PTOE – Phase I PM **Randy Newkirk**, PE, CFM – Phase II PM **Erica Spolar** – Environmental Lead
Construction Cost / Fee / Year	$6.3 million (section A-1) / $1 million / 2017 Construction



Lake-South-Madison Roundabout
City of Woodstock

The City of Woodstock contracted with us to develop plans and specifications for a roundabout located at the existing 5-legged intersection. The roundabout will utilize STP funding for construction and construction observation. Local funding will be used for design and land acquisition.

HLR staff performed topographic surveys of the existing roadway including manhole inspection, tree survey, and right-of-way investigations. Once survey services were completed, Phase I and Phase II design began. Phase I included refinement of the roundabout geometrics, environmental coordination, and public coordination. Since federal funding was to be used for construction, coordination with IDOT and all necessary forms and procedures were followed.

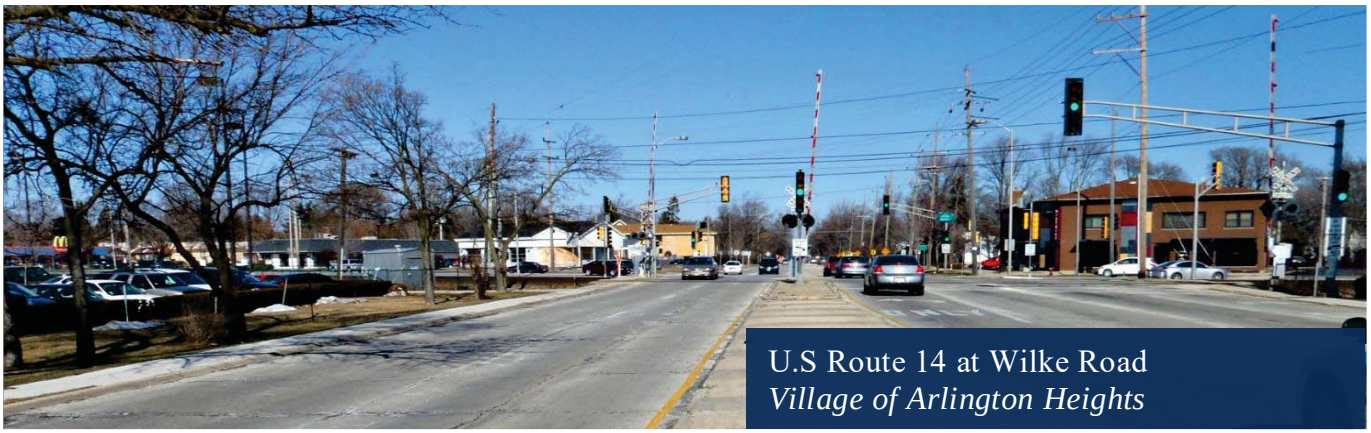
Phase II design services commenced once geometric concurrence was provided by IDOT. This included pavement design, roadway plan and profiles, water relocation, storm sewer relocation, ADA sidewalk layout, pavement marking, signing, lighting, soil erosion and sediment control, and utility coordination.

The lighting design, to be used as part of the aesthetic entryway to the historic downtown square, included the selection of multiple LED poles that matched the poles used in the downtown area and meet IDOT requirements of not specifying proprietary materials. Photometric calculations and voltage drop calculations were necessary in order to provide the lighting, wiring, and controller design.

Land acquisition services are anticipated to commence in 2017 with an estimated 6 parcels that right-of-way and easements are necessary for the construction of the project.

Construction and construction observation are planned for Spring 2019

Project / Client	Lake-South Madison Roundabout / City of Woodstock
Scope of Work / Contractor / Client POC	Roundabout design including extensive utility coordination, geometric design, street lighting, landscaping, storm sewer, water main, sanitary sewer, and providing several pavement design alternates. Phase I, II and III to be completed in 2019. Jeff Van Landuyt (815-338-6118)
Project Team	**Amy McSwane**, PE, PTOE – Phase I PM **Randy Newkirk** PE, CFM – Phase II PM
Construction Cost / Fee / Year	$1 million / $177,000 / 2019 Construction



Phase I began with a detailed topographic route survey of the project limits. The survey data was plotted and formatted into plan and profile sheets. HLR then completed an Intersection Design Study. The proposed improvements at U.S. Route 14 and Wilke Road include the addition of an eastbound right-turn lane, a dual northbound left-turn lane, and the removal of the northbound right-turn lane. Signal modifications, including protected-only left-turning movements on U.S. Route 14, are also included. A Location Drainage Study was prepared and included a delineation of existing watersheds, hydrology, storm sewer design, stormwater detention, right-of-way determination, and outlet evaluations for the intersection channelization project.

A multi-use path along Wilke Road will provide access to the Metra facility for pedestrians and bicyclists. HLR coordinated the project engineering with the Village and its staff on a regular basis. Since the project involves a railroad crossing, extra coordination with the Union Pacific Railroad and the Illinois Commerce Commission has been required. Design Approval was obtained in August 2012.

HLR has prepared Phase II plans, specifications, and estimates for a January 2015 letting. The plans include the geometric revisions, traffic signal updates, and storm sewer replacement. The traffic signals will be coordinated and timed with the interconnected signals along U.S. Route 14 and the preemptive timing for the Union Pacific Railroad.

HLR has also prepared plats and legals for six permanent easement parcels and is currently providing land acquisition services for the Village performing appraisals, review appraisals, and negotiations for the parcels.

Project / Client	US 14 Wilke Road Reconstruction / Village of Arlington Heights
Scope of Work / Contractor / Client POC	Intersection improvements, including traffic signals, Union Pacific Railroad Crossing, multi-use path and ADA upgrades, storm sewer, plats and legals and land acquisition. Phase I, II, III. Jim Massarelli (847)368-5250
Project Team	**Amy McSwane,** PE, PTOE – Phase I PM **Randy Newkirk** PE, CFM – Phase II PM **Scott Rodseth**, PE – Phase III PM
Construction Cost / Fee / Year	$3.3 million / $500,000 PH I, II, III / Construction 2016



Dempster St. Traffic Signal Improvements
City of Evanston

Hampton, Lenzini and Renwick, Inc. (HLR) helped the contractor identify tasks that could be constructed during long material procurement times. Proactive utility relocation/conflict resolution and adjacent contract coordination was provided through progress meetings and constant communication.

Our resident engineer is also part of our traffic department and was responsible for the design of the project. As a result, necessary plan changes and redesigns were due to utilities were completed without impact to contractor activities. This approach resulted in a substantial completion of the project over 6 months ahead of the IDOT approved schedule.

Challenge

Complete traffic signals and interconnect installation at four intersections with accessible ramp upgrades along a heavily traveled route. Avoiding utility conflicts and operation overlap with two adjacent contracts through the proposed project limits was crucial.

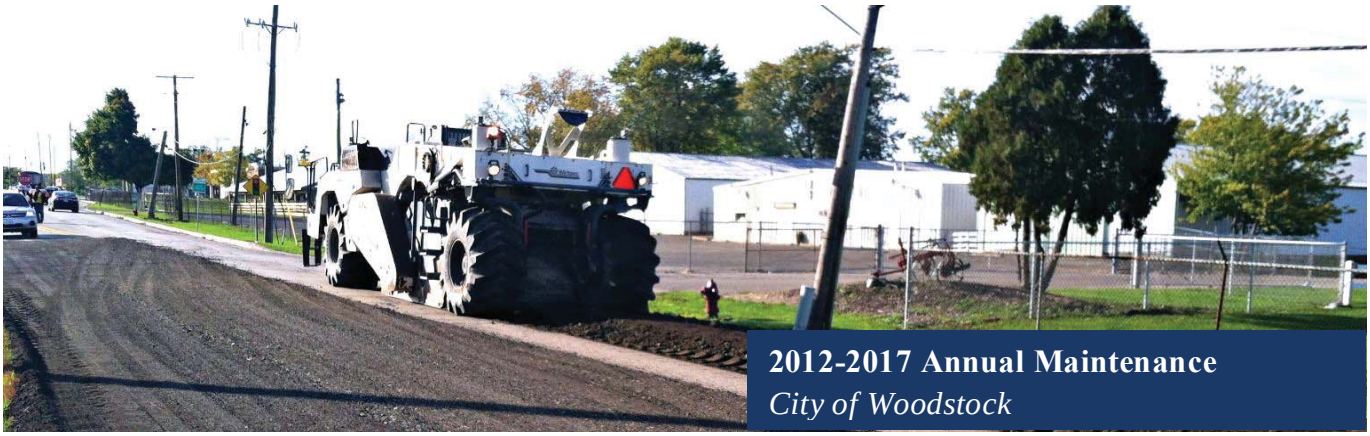
Results

Construction was completed in 2015.

Project benefits included:

- Enhanced aesthetic appeal
- Reduced congestion
- Improved water distribution
- Consistent lighting treatment
- Improved pedestrian safety

Project / Client	Dempster Street Traffic Signal Improvements / City of Evanston
Scope of Work / Contractor / Client POC	Intersection improvement including traffic signals and interconnect, water main, ADA improvements, lighting, utility and adjacent project coordination with IDOT. Rajeev Dahl (847)448-4311
Project Team	**Amy McSwane,** PE, PTOE – Phase I PM **Randy Newkirk,** PE, CFM – Phase II PM **Scott Rodseth**, PE – Phase III PM
Construction Cost / Fee / Year	$1,076,598.10 / $178,000 PH I, II, III / Construction 2015



2012-2017 Annual Maintenance
City of Woodstock

The annual street maintenance program consisted of pavement resurfacing, sidewalk, curb and gutter, and the adjustment of curb drainage structures. **As a cost-saving alternate, since 2011 HLR has proposed the use of cold-in-place pavement and aggregate reclamation instead of full reconstruction.** The end-product has been successful since implementation and has remained in good condition.

HLR was selected to provide both design and construction-engineering services. The scope of services required HLR to serve as an extension of City staff, and working closely with the City Engineer, assume responsibility for the overall implementation and management of the project.

Each year we review a large list of streets within the City that require updating. From this list, our team makes recommendations to prioritize, proposes improvement methods, and prepares estimates of cost for each street. A program for the given year is then developed to fit within the City's fiscal budget. The proposed improvements have included various pavement sections depending on their location and traffic. We have researched and proposed many construction methods, but what has worked best for the City has been resurfacing and cold in-place pavement recycling in urban sections. Select portions of the existing sidewalk, curb and gutter were replaced to meet current accessibility requirements. Design services included preparation of specifications, estimates, and proposal/bid package.

Each year, coordination is required with the City and concurrent projects, local residents, and businesses. Our RE provides a 24-hour contact number to respond to concerns any time throughout construction.

Aggressive construction schedules are typically required to complete paving and place pavement marking before the temperatures drop. Initial preliminary engineering occurs in late winter/early spring when the City's budget is determined, and construction has typically begun in late summer. HLR holds a preconstruction meeting with the City and contractor to reaffirm key challenges that may disrupt the construction schedule or the residents.

Project / Client	Annual Maintenance Program / City of Woodstock
Scope of Work / Contractor / Client POC	Annual Street Improvements, HMA, PCC, Reclamation, ADA upgrades, underground utility improvements. Street condition assessment and long-term planning. Utilization of several funding sources, Local, MFT, TIF. Jeff Van Landuyt (815-338-6118)
Project Team	**Lane Baseley –** Resident Engineer **Ryan Livingston**, PE – PM
Construction Cost / Fee / Year	Approximately $1million per year / Approximately $100,000

SECTION III: SIMILAR PROJECT EXPERIENCE



Street Rehab. and Reconstruction Program
Village of Arlington Heights

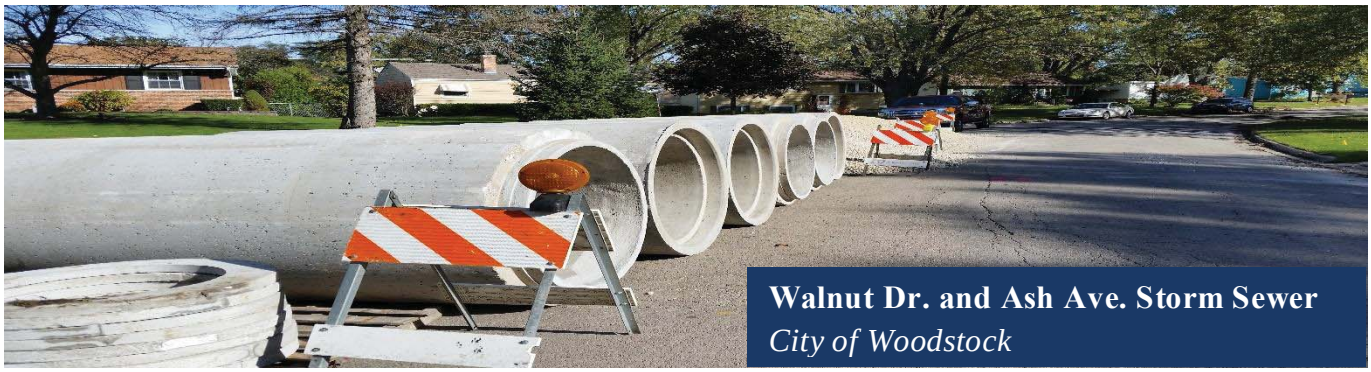
Our team provided design and construction engineering assistance for the Village's annual rehabilitation and reconstruction program. In 2015, the program included approximately 1.1 miles of streets, and in 2016, proximately 3.1 miles of streets were improved. The improvements included roadway reconstruction, pavement resurfacing, sidewalk, curb and gutter, and drainage structure installation and adjustments.

The Village of Arlington Heights utilizes both MFT and local funds to fund their street improvement project. Adherence to MFT Procedures is required, and daily construction documentation is completed per IDOT Documentation guidelines.

We were required to serve as an extension of Village staff and, working closely with the Village Engineer, assume responsibility for the overall implementation and management of the project.

Construction-engineering services included project documentation, pay estimate coordination, and stakeholder coordination. Throughout the construction process, the Village Engineer, HLR, and the contractor met frequently to discuss the project schedule and address any challenges that were encountered.

Project / Client	Street Rehabilitation and Reconstruction / Village of Arlington Heights
Scope of Work / Contractor / Client POC	Construction of annual street improvements, including HMA and PCC pavement, curb and gutter and ADA upgrades. Jim Massarelli (847)368-5250
Project Team	**Scott Rodseth**, PE – Phase III PM
Construction Cost / Fee / Year	$1.6 Million / $160,000 Ph III, 2017



Walnut Dr. and Ash Ave. Storm Sewer
City of Woodstock

Residents near the intersection of Walnut Drive and Ash Avenue and along Tappan Street have long experienced flooding problems in their rear yards. The rear yards were depressional areas that did not have an outfall for stormwater that entered the area. This problem has been exacerbated by the overflow of stormwater from adjacent streets and a stormwater detention basin that was also contributing to the problem.

The City of Woodstock called on HLR to develop a plan to improve the collection system along the local streets and a storm sewer conveyance system from the area to limit overflows and convey stormwater safely and effectively to Silver Creek. The proposed storm sewer design and improvement consists of over 2,500 lineal feet of storm sewer ranging in size from 12″ to 54″ in diameter.

HLR began with preliminary engineering analysis and storm sewer design. The storm sewer design included both a hydrologic and hydraulic analysis of the existing conditions along Walnut Drive, Ash Avenue, and Tappan Street. These analyses confirmed resident complaints regarding flooding along depressional areas for frequent storm events. HLR conducted coordination with environmental regulatory agencies for wetland and floodplain involvements. The layout of the proposed storm sewer had to avoid numerous utilities including gas, water, telephone, and electric. Most important was the avoidance of an existing 24″ sanitary trunk sewer that conveyed wastewater for approximately one-third of the City of Woodstock.

To gain approval for the project, HLR coordinated with the following regulatory agencies:

- USACE for wetland and Waters of the U.S. issues
- Illinois Department of Natural Resources for biological and natural resource issues
- City of Woodstock for coordination of existing utilities

HLR has provided Phase II detailed engineering design for the project, including plans, specifications and estimates to ensure no disruption in water or sanitary sewer services during construction.

Improvements included: New efficient curb opening inlets, New storm sewer conveyance system and the Replacement of an existing outfall to Silver Creek

Project / Client	Walnut Dr. and Ash Ave. Storm Sewer / City of Woodstock
Scope of Work / Contractor / Client POC	Storm sewer upgrades including large diameter storm sewer and structure, sanitary sewer and water main, PCC sidewalk and curb with ADA upgrades utilizing mostly Community Development Block Grant Funding. Phase I, II and III. / Pirtano Construction for construction PH I and II, N-Trak Group for PH III of construction. Jeff Van Landuyt (815-338-6118)
Project Team	**Randy Newkirk**, PE, CFM – Phase II PM **Scott Rodseth**, PE – Phase III PM
Construction Cost / Fee / Year	$1,000,000, $200,000 PH II, III, Constriction of final phase 2017



Techny Road Reconstruction
Village of Northbrook

HLR staff performed topographic surveys of the existing roadway including manhole inspection, tree survey, and right-of-way investigations. HLR also performed hydrologic and hydraulic analyses to determine the optimum benefit to be derived from the drainage improvements. Deliverables included a complete package of plans, specifications, and bidding documents.

The improvement included approximately 4,800 feet of large-diameter (60" to 84") storm sewer along Techny Road which acts as an overflow for runoff from both the North and South Forks of Techny Drain; 1,500-feet of 48" storm sewer and 3 stormwater control structures along Pfingsten Road connecting the South Fork to both the North Fork and the new overflow sewer; a local runoff collection system to serve the Techny Road right-of-way; and new traffic signals at the intersection of Techny and Pfingsten Roads.

Extensive coordination was required with:

- Metropolitan Water Reclamation District of Greater Chicago
- Various utility companies occupying the Techny Road ROW
- Cook County Highway Department
- Illinois Department of Transportation

Project / Client	Techy Road Northbrook / Village of Northbrook
Scope of Work / Contractor / Client POC	Large diameter storm sewers including control structures, traffic signals, roadway improvements. PH II, III. Kelly Hammil (847) 509-5323
Project Team	**Randy Newkirk**, PE, CFM – PM
Construction Cost / Fee / Year	$5 Million / $135,000 / Construction 2013

SECTION III: SIMILAR PROJECT EXPERIENCE



Water Treatment Plant
Village of Wayne City

The Village of Wayne City has owned and operated a surface water supply and treatment plant for over 50 years. Over that time, they have also become a regional supplier to adjoining municipalities and a large rural system. The treatment plant has exceeded its useful design life. Our team along with the Village representatives had to evaluate the alternatives to rehabilitate the existing treatment plant, construct a new treatment plant, or connect to a neighboring regional supply. The alternatives were:

1. Reconstruction of existing facility.
2. Construction of new treatment facility.
3. Connect to the City of Fairfield.
4. Connect to the Gateway Regional Supply.
5. Connect to the Rend Lake Regional Supply.

A Preliminary Engineering Report was prepared to consider each alternative from a financial and long term operational perspective. The recommendation from this report was to construct a new treatment facility. The Village received a loan/grant financing package from USDA Rural Development and has proceeded with design, permitting, and land acquisition to construct a new water treatment plant. Bids are to be received by the end of 2017 and construction will be completed by the end of 2018.

Project / Client	Wastewater Treatment Plant / Wayne City
Scope of Work / Contractor / Client POC	Prepare preliminary engineering report and design of new wastewater treatment plant t with 3 design alternates to utilize United States Department of Agriculture Rural Development grant funds. Mr. Kris Shreve (618)895-2166
Project Team	**John Acree**, PE – PM
Construction Cost / Fee / Year	Estimated $3.8 Million / $463,000 PH II / Construction 2018

SECTION III: SIMILAR PROJECT EXPERIENCE



Country Club Water Main Improvements
City of Crystal Lake

Currently performing construction observation for the new three-span bridge reconstruction and interchange improvement including HMA and PCC pavement, storm sewer, cast-in-place retaining walls, traffic signals, street lighting, and landscaping. McLean Boulevard was reconstructed with a hinged joint pavement with additional turn lanes at Lillian Street.

Project challenges included extensive utility relocation coordination, piling redesign, coordination due to unidentified soil conditions in pre-construction geotechnical reports, and disposal of creosoted timber piles and contaminated soils.

Project tasks include daily and weekly reports, ICORS tracking, change orders, payment estimates, quantity calculations, QA materials testing scheduling, and coordination with IDOT, police and fire departments, Elgin Community College, PACE, local businesses and residents, and several utilities and contractors.

Project / Client	Country Club Watermain / City of Crystal Lake
Scope of Work / Contractor / Client POC	New watermain installation including Ductile Iron open trench installed and High-Density Polyethylene horizontally bored. New residential services were also installed, and appurtenant items requiring detailed coordination with home owners. PH II, III. Abby Wilgreen (815) 356-3615
Project Team	**Randy Newkirk**, PE, CFM – PH II PM **Scott Rodseth**, PE – PH III PM
Construction Cost / Fee / Year	$3,300,000/ $350,000 PH II, PH III / Construction Completed 2015

SECTION IV: PROPOSED PROJECT TEAM



We assign staff to a project based on their prior experience and technical expertise in the scope of work anticipated. Once assigned to a project, he/she will be involved in that project from beginning to end. By utilizing the same personnel throughout the process, we can maintain continuity with the Village and effectively communicate during the improvements.

For this contract, we have selected Ryan Livingston, PE, as our lead and single-point of contact with the Village. Ryan has over 10-years of experience working with municipalities similar in scale to the Village of Bensenville. He has a knack for building and enhancing relationships with their staff and residents. We are confident that he will help the Village achieve their long-term goals and ensure all projects are a success.

Name / Registration / Title	Years of Exp / at HLR	IDOT / Municipal Project Experience
Ryan Livingston, PE *Municipal Engineering Manager*	10 / 10	Ryan has experience working on a wide array of civil engineering services including survey, design, and construction engineering. He provides municipalities and local agencies with their civil engineering needs including: annual maintenance programs, pavement management, drainage improvements, water distribution and treatment, and wastewater collection and treatment, and coordination with involved stakeholders.

SECTION IV: PROPOSED PROJECT TEAM

Below we have listed other key staff who will serve as Project Managers and Lead Engineers on the Village's future endeavors.

Name / Registration / Title	Years of Exp / at HLR	IDOT / Municipal Project Experience
Amy McSwane, PE *Preliminary Engineering Manager*	16 / 10	Amy's expertise includes: Environmental Assessments, Environmental Class of Action Determination documents, and Section 4(f) documents for federally-funded projects. She also has extensive public involvement experience including: highway location/design reports, intersection design studies, traffic projects, traffic capacity analysis, traffic systems analysis/modeling, accident analysis and safety improvement studies, and cost estimates.
Dan Sherman, PE *Project Manager*	11 / 2	Dan has worked on numerous projects involving design and construction engineering for IDOT and the Illinois Tollway. In Dan's current role he completes: roadway and intersection design, pavement markings and signing, ADA-compliance evaluations, traffic signals, public outreach, context-sensitive solutions, intersection design studies, and capacity analysis.
Randy Newkirk, PE, CFM *Design Engineering Manager*	17 / 16	Randy has experience working on a wide range of civil engineering projects, developing expertise in roadway design and stormwater management. His responsibilities involve solving safety and congestion, as well as environmental and economic issues. Randy prepares: roadway geometrics, cross sections, soil erosion and sediment controls, landscaping, quantities, cost estimates, and special provisions. He also works on drainage studies and investigations including: permitting and ordinance interpretation, highway drainage system design, storm sewer and culvert analysis and design, watershed analysis, and retention/detention facility concept design.
Dirk Yuill *Project Manager*	31 / 31	Dirk is involved with the preparation of plans and specifications for highways and local streets, highway and ornamental street lighting, water mains, sanitary and storm sewers, as well as municipal design reviews. His extensive knowledge of plan set preparation assures clients that their project is in good hands. He is also a design review specialist for subdivision/site plan and permits and other public works involvement.

SECTION IV: PROPOSED PROJECT TEAM

Name / Registration / Title	Years of Exp / at HLR	IDOT / Municipal Project Experience
Chris Olcott, PE, CFM, CPESC *Project Manager*	11 / 7	Chris Olcott has extensive experience with design and drainage improvements. He assists in the preparation of drainage studies, hydraulic reports, storm sewer design, and soil erosion and sediment control design.
Scott Rodseth, PE *Construction Engineering Manager*	10 / 2	Scott has primarily focused on providing civil and construction engineering services to the public sector. Scott has worked on numerous IDOT, CDOT, and local agency projects. He is committed to technology integration, efficiency improvements, and constant coordination. He also prides himself on working with clients to accomplish their project schedule and budget goals while never sacrificing quality or safety.
Don Ryba, PE *Senior Construction Engineer*	26 / 9	Don leads resident engineering services on large roadway and bridge projects as well as traffic signal interconnect improvements. His responsibilities include administration and coordination to onsite observation. He takes pride in quality work, ensuring specification compliance, and the timely completion of the project and all documents.
James Chambers, PE *Senior Construction Engineer*	12 / 2	James, a former Marine, has experience including: working with public sector clients to provide observation, testing, and documentation services for various types of roadway improvement projects. His day-to-day include contractor compliance with project plans and specifications, generating pay estimates, and monitoring erosion control measures.
Brien Funk, PE, PTOE *Traffic Engineer / Project Manager*	7 / 7	Brien has expertise in various areas of transportation and traffic engineering. He has developed and implemented coordinated traffic signal timing plans, traffic signal system modeling, and traffic signal design. He has worked on numerous projects involving various county standards, encompassing a wide range of permitting and funding requirements. Brien is quick to respond to any questions or concerns to ensure client satisfaction.

SECTION IV: PROPOSED PROJECT TEAM

Name / Registration / Title	Years of Exp / at HLR	IDOT / Municipal Project Experience
Alex Garbe, PE, PTOE *Traffic Engineer / Project Manager*	10 / 5	Alex has extensive experience on traffic engineering projects including the development and implementation of coordinated system plans, monitoring of closed-loop and centralized traffic signal systems, and all types of traffic studies. He regularly develops traffic-responsive signal systems, prepares traffic and safety studies, monitors signal timing and troubleshooting problems, optimizes signal system operations, and prepares intersection design studies.
Jeffery Mindl, PE *Project Manager*	23 / 3	Jeff has extensive experience in transportation infrastructure design, site civil planning, toll plaza configuration, traffic signal plans, and traffic studies. Jeff is currently responsible for a variety of roadway, traffic signal, and site civil design tasks. Jeff has worked with public sector clients, helping them achieve their design goals.
Jenni Lyon, PE, PLS *Executive Vice President / Land Acquisition Manager*	25 / 17	Jeni is responsible for boundary surveys, control surveys, right-of-way surveys, land acquisition services, and various route surveys in support of engineering services. She has also prepared and reviewed right-of-way and land acquisition documents for the Illinois DOT.
Eric Haglund, PLS *Land Surveying Manager*	31 / 2	Eric manages the surveying needs of HLR's infrastructure projects including organizing boundary, control, route, and right-of-way surveys. Eric has performed topographic and right-of-way surveys for various municipal, IDOT, and Tollway projects.
Neil Steffens, MAI, SRA *Appraiser*	35 / 5	Neil has extensive experience in real estate appraisals with a wide variety of properties including residential, commercial, industrial, special purpose, and vacant land. Neil has prepared reports for various uses including mortgage loans, property tax appeals, estate tax, leased fee and leasehold analysis, and valuations for use in eminent domain and condemnation. He has also testified as an expert valuation witness in courts in various counties.

SECTION IV: PROPOSED PROJECT TEAM

Name / Registration / Title	Years of Exp / at HLR	IDOT / Municipal Project Experience
Colette Tuman *Negotiator*	24 / 5	Colette has experience acquiring additional right-of-way needed for highway improvements. Colette routinely meets and communicates with property owners, prepares and obtains conveyance documents, and clears titles. She uses her thorough knowledge of federal and state land acquisition policies and procedures to expertly navigate the challenging land acquisition process and assist clients with any issues they may have.
Austin Ridgely, PLS *Vice President*	15 / 14	Austin's current responsibilities include overseeing survey projects and GIS projects company-wide. Austin has managed improvements including boundary surveys, section corner perpetuations, route surveys, topographic surveys, and hydrographic surveys. Other projects included oil and gas surveys, right-of-way descriptions, multiple GIS projects, and calculation of information for the construction layout of road along with bridge and railway projects.
Erica Spolar, CWS *Vice President / Environmental Manager*	23 / 6	Erica has been involved with all environmental aspects of transportation, utility, and development projects. Her broad range of skills and experience make Erica an asset not only to clients, but to her fellow team members as well.
Pat Hickey, PWS, CPESC, CA *Senior Environmental Scientist*	24 / 2	Pat's current role involves completing environmental services which include wetland delineations and permitting, tree surveys, environmental screening reports, CCDD documentation, NPDES inspections, and natural area assessments and monitoring. Pat's experience in ecology, environmental regulations, native plant community management, and sediment and erosion control provide a diverse background, meeting clients' environmental needs.
Karen Kase, PWS, CPESC, CA *Natural Resource Manager*	14 / 10	Karen's responsibilities include project management for restoration and native area maintenance projects, green infrastructure design/build projects, erosion and sediment control inspection and permitting, environmental compliance inspection, natural resource surveys and permitting, contamination concerns including CCDD, Phase I and II ESAs, and PESAs.

SECTION IV: PROPOSED PROJECT TEAM

Name / Registration / Title	Years of Exp / at HLR	IDOT / Municipal Project Experience
John Acree, PE *Water/Wastewater Manager*	23 / 23	John has experience working on projects for municipalities and private sector clients. John has grown our water/wastewater services to be one of the leaders in southeastern Illinois and southwestern Indiana. His expertise gives him the insight needed to lead complex multidisciplinary and fast-track projects, and his dedication to excellent client service has made him a trusted expert in the industry.
Pat Gould, PE *Project Manager*	20 / 11	Pat has vast experience in the development of commercial and residential subdivisions, site designs, site grading plans, storm and sanitary sewer design, water line extensions and the design, and permitting of Storm Water Pollution Prevention Plans (SWPPP) for submittal and approval from the state agencies. Pat is also proficient in the use of Civil 3D, the design software that enables the projects to be easily transferred to the field for construction.

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
04/19/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
Willis of Illinois, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 372305191 USA	PHONE (A/C, No, Ext): 1-877-945-7378	FAX (A/C, No): 1-888-467-2378
	E-MAIL ADDRESS: certificates@willis.com	

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Charter Oak Fire Insurance Company	25615
INSURER B : Travelers Indemnity Company	25658
INSURER C : Phoenix Insurance Company	25623
INSURER D : Continental Casualty Company	20443
INSURER E :	
INSURER F :	

INSURED
Hampton Lenzini & Renwick Inc.
Mr. David Hinkston
380 Shepard Dr
Elgin, IL 601237010

COVERAGES **CERTIFICATE NUMBER:** W2158086 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	[X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [ ] LOC [ ] OTHER:			6805H19872A	12/09/2016	12/09/2017	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 1,000,000 $ 5,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
	AUTOMOBILE LIABILITY [ ] ANY AUTO [ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS [ ] HIRED AUTOS ONLY [ ] NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $
B	[X] UMBRELLA LIAB [X] OCCUR EXCESS LIAB [ ] CLAIMS-MADE [ ] DED [X] RETENTION $ 10,000			CUP5C174896	12/09/2016	12/09/2017	EACH OCCURRENCE AGGREGATE	$ 10,000,000 $ 10,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N: No (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		UB7924Y248	12/09/2016	12/09/2017	[X] PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000
D	Professional Liability			AEH591882325	12/09/2016	12/09/2017	Per Claim Aggregate	$3,000,000 $5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

Sample

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [1] Design Engineering
- [4] Wastewater Improvements
- [3] Stormwater Engineering
- [2] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE



By.....: ReJena Lyon

Print Name .....: ReJena Lyon, PE, PLS

Position/Title.....: Executive Vice President

Company Name ...: Hampton, Lenzini and Renwick, Inc.

Address line 1 .....: 380 Shepard Drive

Address line 2 .....: Elgin, Illinois 60123

Telephone.....: (847) 697-6700

Statement of Qualifications



Village of Bensenville



Village Hall

Civil Engineering Services



Public Works

For Various Engineering Disciplines

Submitted by:
James J. Benes and Associates, Inc.

October 19, 2017

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5. Similar Project Experience
6. Project Team, Organizational Chart & Resumes
7. Consultant Evaluation Form, Certificate of Insurance & Litigation
8. List of References

JAMES J. BENES AND ASSOCIATES, INC.
CONSULTING ENGINEERS

October 19, 2017

Mr. Joseph M. Caracci, P.E.
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, IL 60106

Dear Mr. Caracci,

James J. Benes and Associates, Inc. is pleased to submit for your consideration our Statement of Qualifications (SOQ) to provide comprehensive Civil Engineering Services to the Village of Bensenville. The scope of services includes a variety of Civil Engineering disciplines. This statement provides general information about our firm, our current IDOT prequalification status, a listing of significant projects, an organizational chart of our firm and staff resumes demonstrating our qualifications to provide preliminary and final design, construction observation, and planning services for the following civil engineering disciplines:

- Design Engineering Services
- Stormwater Services
- Resident Engineering Services

James J. Benes and Associates, Inc. offer the following qualifications:

- A client base almost exclusively from the public sector. The Firm's Municipal, County, and State clients account for approximately 98% of our workload. Concentrating our services on the public sector has provided an understanding of the unique needs of county, state and municipal clients and avoids the potential for conflicts of interest.
- A staff that is experienced in taking a project from the initial planning stage to final acceptance. This experience has made our engineers better planners, designers and construction engineers.
- Expertise and experience in the planning, comprehensive design and construction phases of a wide variety of roadway, utility, stormwater, lighting and traffic signal improvements.
- Our experience serving as the designated municipal engineer for numerous municipalities throughout the Chicago metropolitan area, gives us a unique understanding of the specific needs of regional communities for various civil engineering services and stormwater review services.
- An understanding of County, State, and Federal policies and procedures.
- Utilization of state-of-the art technology in the areas of design software, CADD, the collection of traffic data and topographic survey.

We are committed to provide individualized professional services that will meet the specific needs and schedules of the Village of Bensenville. We believe that an important element of our

950 Warrenville Road, Suite 101
Lisle, Illinois 60532
Tel. (630) 719-7570
Fax (630) 719-7589

service is the direct involvement of our Principals. It is our collective knowledge and the use of the latest technology that has enabled us to maintain longstanding relationships with our municipal clients.

We believe that our qualifications and experience warrant being considered by the Village of Bensenville for future Civil Engineering Services. Please contact us at (630) 719-7570 if you have any questions or require additional information relative to our capabilities.

Respectfully submitted:
JAMES J. BENES AND ASSOCIATES, INC.

By: Bradley D. Hargett
PE(WI) • PLS(IL) • CFM
Vice President

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

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My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: 

Print Name .....: Bradley Hargett

Position/Title.....: Vice President

Company Name ...: James J. Benes & Associates, Inc.

Address line 1 .....: 950 Warrenville Road, Suite 101

Address line 2 .....: Lisle, IL 60532

Telephone.....: (630) 719-7570

FIRM CONTACT

Should any questions arise concerning information contained in this Statement of Qualifications, please contact:

Primary Contact:

Bradley D. Hargett, PE(WI), PLS(IL), CFM
Vice President
James J. Benes and Associates, Inc.
950 Warrenville Road, Suite 101
Lisle, IL 60532
Phone No.: (630) 719-7578
Email: bhargett@jjbenes.com

Secondary Contacts:

James Darnell, P.E., CFM
Vice President
James J. Benes and Associates, Inc.
950 Warrenville Road, Suite 101
Lisle, IL 60532
Phone No.: (630) 719-7571
Email: jdarnell@jjbenes.com

Thomas Adomshick, P.E., PTOE
President
James J. Benes and Associates, Inc.
950 Warrenville Road, Suite 101
Lisle, IL 60532
Phone No.: (630) 719-7574
Email: tadomshick@jjbenes.com

JAMES J. BENES & ASSOCIATES, INC.
COUNSULTING ENGINEERS



IDOT Prequalifications:

- Location Design Studies:
  - Recon./Major Rehab.
  - Rehabilitation
- Plans, Specs, & Estimates:
  - Highways-Roads & Street
- Special Studies:
  - Location Drainage
  - Traffic Signals
  - Traffic Studies
  - Safety
  - Feasibility
- Hydraulic Reports:
  - Waterway-Complex
  - Waterway-Typical
- Special Services:
  - Surveying
  - Construction Inspection

Comprehensive Capabilities:

- Civil Engineering
- Transportation
- Surveying
- Stormwater Management
- Water Resources
- Natural Resources
- Cost Estimating
- Permitting

Contact Information:

(630) 719-7570
(630) 719-7578 Fax

www.jjbenes.com

Admin@jjbenes.com

950 Warrenville Road, Suite 101
Warrenville Road, Suite 101
Lisle, IL 60532

FIRM OVERVIEW:

James J. Benes & Associates, Inc. was founded in 1970 and provides professional, comprehensive civil engineering, surveying, and environmental services. JJB primarily provides services to the public sector including the Illinois Department of Transportation, municipalities, counties and park districts.

Services range from Phase I preliminary engineering and feasibility studies, grant applications, Phase II final design documents, municipal engineering review services, permitting, and Phase III construction observation.

We have been **pre-qualified with the Illinois Department of Transportation since 1970**, and are a licensed Professional Design Firm, Professional Engineering and Land Surveyor Corporation in the State of Illinois.

Our **experience** includes Phase I preliminary engineering and Phase II final engineering services for Illinois Department of Transportation (IDOT) state highway improvements throughout the Chicago Metropolitan Area. We are proud to have **received an IDOT/ACEC Exceptional Consulting Engineering Service Award** for one of our Phase II projects.

Our firm **current staff** of fourteen is comprised of engineers, environmental scientist and engineering/CADD technicians. We have seven licensed Professional Engineers and a Licensed Professional Land Surveyor.

Staff certifications for various specialties include:

- Certified Floodplain Manager
- Professional Traffic Operations Engineer
- IDOT Documentation Certification
- Certified Professional in Erosion and Sediment Control
- Certified Wetland Specialist
- ISA-Certified Arborist
- Designated Erosion Control Inspector

The services provided to our municipal, state and county clients account for approximately 98 percent of our total annual billing. The engineering services provided to our municipal clients have included: preparation of plans and specifications for a wide variety of the capital improvement projects; construction inspection; reviews for private developments; coordination with residents; development of multi-year capital improvement programs; attendance at meetings with municipal staffs, elected officials and residents; and traffic engineering reviews and designs. Our experience serving as the designated municipal engineer for Lisle, Western Springs, and Woodridge, in addition to providing specialized engineering services to numerous other communities, gives us a unique understanding of the specific needs related to providing municipal consulting engineering services to Lockport.

The size and corporate structure of our firm affords us the ability to provide immediate and personalized service as well as direct access to project managers and company principals. This capability enables us to respond to unforeseen needs in an effective and timely manner, without the delay and miscommunication.

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

April 10, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Thomas Adomshick
BENES, JAMES J. & ASSOC., INC.
950 Warrenville Road
Suite 101
Lisle, IL 60532

Dear Thomas Adomshick,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $5,600,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 154.55% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR BENES, JAMES J. & ASSOC., INC.

CATEGORY	STATUS
Location Design Studies - Reconstruction/Major Rehabilitation	X
Special Studies - Safety	X
Special Services - Construction Inspection	X
Special Studies - Location Drainage	X
Highways - Roads and Streets	X
Hydraulic Reports - Waterways: Complex	X
Special Studies - Traffic Studies	X
Special Services - Surveying	X
Special Studies - Feasibility	X
Hydraulic Reports - Waterways: Typical	X
Special Studies - Traffic Signals	X
Location Design Studies - Rehabilitation	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

MUNICIPAL EXPERIENCE

We are very pleased that 80 to 85 percent of our total annual billings in recent years have been with previous municipal clients. We believe that the firm has been given the opportunity to continue serving our municipal clients because of their satisfaction with the quality and timeliness of service we provide.

The following is summary of municipal clients with the type of services provided in the last five years.

LIST OF MUNICIPAL CLIENTS

CLIENT	PROJECT TYPES	STATUS
Village of Bensenville	Roadway/infrastructure design, streetscape, street lighting and photometrics, traffic signals services	ongoing
Village of Barrington	Traffic and stormwater engineering services	ongoing
City of Batavia	Municipal engineering reviews, traffic engineering, and natural resource services	ongoing
Village of Cary	Traffic engineering services	ongoing
City of Elmhurst	Stormwater management reviews, stormwater engineering, natural resource and erosion control review and inspection services	ongoing
Village of Glen Ellyn	Traffic engineering, roadway improvements, traffic signals, lighting and photometric review, construction engineering/inspection services	ongoing
Village of Glenview	Traffic engineering services including traffic studies, safety studies, traffic calming services	ongoing
Village of Hinsdale	Municipal engineering reviews and inspections, roadway/infrastructure design, construction engineering/inspection services	ongoing
Village of Lisle	Municipal engineering reviews and inspections, roadway and sidewalk design, stormwater engineering, lighting design/feasibility study, construction engineering/inspection, natural resource and erosion control review and inspection services	ongoing
City of Lockport	Municipal engineering review and inspection, roadway and sidewalk infrastructure design, construction engineering/inspection, natural resource and erosion control review and inspection services	ongoing
Village of Oak Brook	Infrastructure design, construction engineering/inspections, control survey services	complete
City of Warrenville	Traffic engineering services, stormwater review, roadway design, natural resource and erosion control review services	ongoing
Village of Riverside	Municipal engineering reviews, roadway/infrastructure design, constructions engineering/infrastructure design services	complete
Village of Western Springs	Municipal engineering reviews and inspections, roadway/infrastructure design, stormwater engineering, fiber optic cable network design, construction engineering/inspection, natural resource and erosion control review and inspection services	ongoing
Village of Woodridge	Municipal engineering reviews and inspections, infrastructure design including traffic signals, construction engineering/inspection, natural resource and erosion control review and inspection services	ongoing

Our company is firmly committed to avoiding all potential conflicts of interest. It has always been, and will continue to be, a company policy to receive authorization from our municipal clients prior to performing engineering services that could create a potential for conflict of interest. In the past there have been numerous occasions when the firm has declined work from the private sector to avoid a potential conflict of interest.

OTHER AGENCY EXPERIENCE

James J. Benes & Associates, Inc. principals and all staff engineers are involved in and have experience with IDOT, County, and municipal engineering project funding, project management, plan preparation and construction guidance utilizing local funds, motor fuel tax funds, federal funding via STP, CMAQ, ITEP, HPP, LAPP, ARRA and, Illinois funding through IGIG, CDBG, HUD, OSLAD, ERP, IEPA Revolving Loan Program and others.

Many of our past projects have required coordination and permitting with IDOT, IDOT Division of Aeronautics, Will County, IEPA, Army Corps of Engineers, US Fish & Wildlife Service, IDNR, Forest Preserve Districts, School Districts, and FEMA.

The following is summary of other governmental clients with the type of services provided in the last five years.

LIST OF OTHER AGENCY CLIENTS

CLIENT	PROJECT TYPES	STATUS
DuPage County DOT	Stormwater permit reviews	ongoing
Illinois Department of Transportation	Phase I and Phase II engineering design of roadway/infrastructure, stormwater engineering, and natural resources services	ongoing
Will County Division of Transportation	Phase I and II engineering design services including traffic signal and street lighting design, intersection design studies, drainage studies and hydraulic analyses services	ongoing

SIMILAR PROJECT EXPERIENCE

James J. Benes & Associates, Inc. has provided Phase I and II Design Engineering services, Phase III Resident Engineering services, and Stormwater Engineering services on the following projects:

Phase I & II Design & Phase III Resident Engineering Services:

Project / Client	2014 Volk Brothers CDBG Reconstruction Project / Village of Bensenville
Scope of Work / (Contractor) / Client POC	Phase II engineering services for reconstruction of 1,500 linear feet of residential streets. The project converted pavements from a rural cross section to an urban section with curb and gutter and storm sewers. The project included curbs and gutter, storm sewers, sidewalks, driveway aprons, and parkway restoration. Stormwater detention was provided in the proposed storm sewers and 1,600 feet of water main replacement. A Community Development Block Grant (CDBG) was used to fund the project. Village of Bensenville – Mehul Patel, PE, CFM, Assistant Director of Public Works (630) 594-1176
Project Team	Bradley Hargett, PE, PLS, CFM – Project Manager, Joshua Strait, PE – Project Engineer
Construction Cost / Fee / Year	Const Cost $1,373,000 / Design Fee $53,000 / 2014

Project / Client	2013 Volk Brothers CDBG Reconstruction Project / Village of Bensenville
Scope of Work / (Contractor) / Client POC	Phase II engineering services for reconstruction of 1,400 linear feet of residential streets. The project converted pavements from a rural cross section to an urban section with curb and gutter and storm sewers. The project included curbs and gutter, storm sewers, sidewalks, driveway aprons, and parkway restoration. Stormwater detention was provided in the proposed storm sewers and water main was replaced. A Community Development Block Grant (CDBG) was used to fund the project. Village of Bensenville – Mehul Patel, PE, CFM, Assistant Director of Public Works (630) 594-1176
Project Team	Bradley Hargett, PE, PLS, CFM – Project Manager, Joshua Strait, PE – Project Engineer
Construction Cost / Fee / Year	Const Cost $1,320,000 / Design Fee $49,000 / 2013

Project / Client	2012 Volk Brothers CDBG Reconstruction Project / Village of Bensenville
Scope of Work / (Contractor) / Client POC	Phase II engineering services for reconstruction of 1,550 linear feet of residential streets. The project converted pavements from a rural cross section to an urban section with curb and gutter and storm sewers. The project included curbs and gutter, storm sewers, sidewalks, driveway aprons, and parkway restoration. Stormwater detention was provided in the proposed storm sewers and a stormwater separator was provided for best management practices. A Community Development Block Grant (CDBG) was used to fund the project. Village of Bensenville – Mehul Patel, PE, CFM, Assistant Director of Public Works (630) 594-1176
Project Team	Bradley Hargett, PE, PLS, CFM – Project Manager, Joshua Strait, PE – Project Engineer
Construction Cost / Fee / Year	Const Cost. $868,000 / Design Fee $39,000 / 2012

Project / Client	Irving Park Road Streetscape Project – Phase II Project / Village of Bensenville
Scope of Work / (Contractor) / Client POC	Phase I and II engineering services for upgrading 0.6 miles of the existing streetscape along Irving Park Road (Illinois Route 19) from Eastview Avenue to the Village's west corporate limit near Pine Lane. The hardscape improvements included a stamped concrete sidewalk with a one-foot concrete ribbon on both sides of the sidewalk. Street lighting along the entire length of the projects consisted of decorative poles with LED light fixtures, LED pedestrian lighting, hanging baskets, banner arms and festoon outlets. Village of Bensenville – Mehul Patel, PE, CFM, Assistant Director of Public Works (630) 594-1176
Project Team	Bradley Hargett, PE, PLS, CFM – Project Manager, James Darnell, PE, CFM - Project Engineer, Brian Gilmore, PE – Project Engineer
Construction Cost / Fee / Year	Const Cost $1,087,000 / Design Fee $70,000 / 2016

Project / Client	Irving Park Road Streetscape Project – Phase I Project / Village of Bensenville
Scope of Work / (Contractor) / Client POC	Phase I and II engineering services for upgrading 0.5 miles of the existing streetscape along Irving Park Road (Illinois Route 19) from Silver Creek to the Eastview Lane. The streetscape enhancement project was phased into two multi-year projects. The hardscape improvements included a stamped concrete sidewalk with a one-foot concrete ribbon on both sides of the sidewalk. Street lighting along the entire length of the projects consisted of decorative poles with LED light fixtures, LED pedestrian lighting, hanging baskets, banner arms and festoon outlets. Village of Bensenville – Mehul Patel, PE, CFM, Assistant Director of Public Works (630) 594-1176
Project Team	Bradley Hargett, PE, PLS, CFM – Project Manager, James Darnell, PE, CFM - Project Engineer, Brian Gilmore, PE – Project Engineer
Construction Cost / Fee / Year	Const Cost $902,000 / Design Fee $50,000 / 2015

Project / Client	Irving Park Road Water Main and Culvert Replacement Project / Village of Bensenville
Scope of Work / (Contractor) / Client POC	Phase I and Phase II engineering services for a locally funded project that included 1,100 feet of water main replacement and box culvert replacement along Irving Par Road (Illinois Route 19) from Eastview Avenue to Church Road. The project consisted of water main replacement, existing 8'x2.5' box culvert replacement, storm sewer installation, driveway and sidewalk removal, pavement patching, curb and gutter replacement, and pavement markings. Village of Bensenville – Mehul Patel, PE, CFM, Assistant Director of Public Works (630) 594-1176
Project Team	Bradley Hargett, PE, PLS, CFM – Project Manager, Joshua Strait, PE – Project Engineer
Construction Cost / Fee / Year	Const Cost. $489,000 / Design Fee $53,000 / 2014

Project / Client	2017 Residential Street Lighting Project / Village of Bensenville
Scope of Work / (Contractor) / Client POC	Phase II preparation of final plans, specifications, cost estimates, and route/topographic surveys for a CBDG funded street lighting improvements project along 7,000 of residential streets throughout the Village. The project consists of ornamental street light improvements, sidewalk and driveway patching, and parkway restoration. Village of Bensenville – Mehul Patel, PE, CFM, Assistant Director of Public Works (630) 594-1176
Project Team	Bradley Hargett, PE, PLS, CFM – Project Manager, Brian Gilmore, PE – Project Engineer
Construction Cost / Fee / Year	Const Cost. $188,000 / Design Fee $28,000 / 2017

Project / Client	2017 Roadway Reconstruction Project / City of Lockport
Scope of Work / (Contractor) / Client POC	Phase II engineering services for a locally funded project that includes the construction of approximately 3,000 feet of roadway reconstruction, storm sewer, and 2,400 feet of water main replacement along residential streets. The reconstruction improvements include sidewalks, driveway reconstruction, storm sewers, sanitary sewer repairs, water main replacement, and parkway restoration. City of Lockport – Brent Cann, PE, Director of Public Works (815) 838-0549
Project Team	Bradley Hargett, PE, PLS, CFM – Project Manager, Brian Gilmore, PE – Project Engineer
Construction Cost / Fee / Year	Const Cost. $1,377,000 / Design Fee $168,000 / 2017

Project / Client	MacGregor Road/North Street Roadway Improvements / City of Lockport
Scope of Work / (Contractor) / Client POC	Phase I, II, and III engineering services for federally funded (STP) improvement for roadway widening, reconstruction and resurfacing of 4,100 feet of an urban collector roadways. MacGregor Road was reconstructed from 28' to 30'. Portion of North Street will be reconstructed (870') on the existing horizontal alignment and a portion resurfaced (1,955'). The project consists of curb and gutter, storm sewers, sidewalks, driveways, and parkway restoration. City of Lockport – Brent Cann, PE, Director of Public Works (815) 838-0549
Project Team	Bradley Hargett, PE, PLS, CFM – Project Manager, Brian Gilmore, PE – Project Engineer/Resident Engineer
Construction Cost / Fee / Year	Const Cost $1,223,000 / Design/Const. Fee $358,000 / 2017

Project / Client	IL Route 7 Sidewalk Improvements / City of Lockport
Scope of Work / (Contractor) / Client POC	Phase I, II, and III engineering services for federally funded (STP) improvement of 5,200 feet of PCC sidewalk along Illinois Route 7 from 7th Street to Adelmann Road. The project includes major culvert extension, pavement patching, concrete curb and gutter, driveway apron replacement, structure adjustments and pavement striping. The project also includes traffic signal modifications at the intersection of Route 7 and Farrell Road and Route 7 at Adelmann Road to accommodate pedestrians on all legs of the intersection. City of Lockport – Brent Cann, PE, Director of Public Works (815) 838-0549
Project Team	Bradley Hargett, PE, PLS, CFM – Project Manager, Brian Gilmore, PE – Project Engineer/Resident Engineer
Construction Cost / Fee / Year	Const Cost $946,000 / Design/Const. Fee $205,000 / 2016

Project / Client	Kelvin Grove SRTS Sidewalk Project / City of Lockport
Scope of Work / (Contractor) / Client POC	Phase I and II engineering services for federally funded (Safe Routes to School) improvement of 5,200 feet of PCC sidewalk along the following streets; 8th Street from Summit Drive to Read Street, Valley Lane from Adams Street to 8th Street, 11th Street from McKinley Street to Grandview Avenue, and Grandview Avenue from Division Street to Adams Street. The sidewalk construction will include utility structure adjustments, driveway removal and replacement, parkway restoration, and installation of thermoplastic pavement markings for newly installed crosswalks. City of Lockport – Brent Cann, PE, Director of Public Works (815) 838-0549
Project Team	Bradley Hargett, PE, PLS, CFM – Project Manager, Joshua Strait, PE – Project Engineer
Construction Cost / Fee / Year	Const Cost $247,000 / Design/Const. Fee $47,000 / 2014

Project / Client	Winchester Avenue Sidewalk Project / Village of Lisle
Scope of Work / (Contractor) / Client POC	Phase I, II, and III engineering services for federally funded (Safe Routes to School) improvement that includes the construction of 0.34 mile of new concrete sidewalk along Winchester Avenue from Middleton Avenue to Ogden Avenue. The project included concrete curb and gutter, segmental block retaining wall, driveway pavement removal and replacement, new concrete sidewalk, storm sewer, pavement patching, landscape restoration and pavement striping. Village of Lisle – Jason Elias, PE, Public Works Director (630) 271-4170
Project Team	Bradley Hargett, PE, PLS, CFM – Project Manager/Resident Engineer, Brian Gilmore, PE – Project Engineer
Construction Cost / Fee / Year	Const Cost $173,000 / Design/Const. Fee $96,000 / 2017

Project / Client	Ogden Avenue (US Route 34) Sidewalk Project / Village of Lisle
Scope of Work / (Contractor) / Client POC	Phase I, II, and III engineering services for federally funded (STP) improvement of approximately 1,600 feet of sidewalk along Ogden Avenue (US Route 34) from Yackley Avenue to Schwartz Avenue. The project also includes traffic signal modifications at the intersection of Ogden Avenue at Schwartz Avenue to accommodate pedestrian, segmental block retaining wall, new concrete sidewalk, landscape restoration. Village of Lisle – Jason Elias, PE, Public Works Director (630) 271-4170
Project Team	Bradley Hargett, PE, PLS, CFM – Project Manager, Joshua Strait, PE – Project Engineer, Brian Gilmore, PE – Resident Engineer
Construction Cost / Fee / Year	Const Cost $150,000 / Design/Const. Fee $59,000 / 2014

Project / Client	2016 Roadway Resurfacing Project / Village of Western Springs
Scope of Work / (Contractor) / Client POC	Phase II engineering services for a locally funded project that includes the construction of approximately 6,500 feet of roadway resurfacing along various residential streets throughout the Village of Western Avenue. The project includes milling of existing pavement, HMA overlay, pavement patching, curb and gutter patching, drainage improvements to miscellaneous drainage problems, landscape restoration, and pavement striping. Village of Western Springs – Mathew Supert, Director of Municipal Services, (708) 246-1800
Project Team	Jeffery Ziegler – Project Manager, Steve Gidley, PE – Project Engineer
Construction Cost / Fee / Year	Const Cost $682,000 / Design Fee $78,000 / 2016

Project / Client	2015 Roadway Resurfacing Project / Village of Western Springs
Scope of Work / (Contractor) / Client POC	Phase II engineering services for a locally funded project that includes the construction of approximately 6,600 feet of roadway resurfacing along various residential streets throughout the Village of Western Avenue. The project includes milling of existing PCC and HMA pavement, HMA overlay, pavement patching, curb and gutter patching, sidewalks, drainage improvements to miscellaneous drainage problems, landscape restoration, and pavement striping. Village of Western Springs – Mathew Supert, Director of Municipal Services, (708) 246-1800
Project Team	Jeffery Ziegler – Project Manager, Steve Gidley, PE – Project Engineer, Daniel Gidley, PE – Project Engineer
Construction Cost / Fee / Year	Const Cost $814,000 / Design Fee $79,000 / 2015

Project / Client	Woodward Avenue Resurfacing / Village of Woodridge
Scope of Work / (Contractor) / Client POC	Phase III engineering services for federally funded (STP) project consist of milling and resurfacing 49,550 square yards along the existing asphalt pavement of Woodward Avenue from the I-55 Bridge to Boughton Road. The project also includes 2,150 square feet of sidewalk removal and replacement, 2,100 feet of curb and gutter removal and replacement, storm sewer structure adjustments and reconstructs, miscellaneous pavement patching, pavement markings, and traffic signal detector loop replacements at the intersection of Boughton Road. Village of Woodridge – Chris Bethel, Director of Public Works (630) 719-4753
Project Team	Bradley Hargett, PE, PLS, CFM – Project Manager, Brian Gilmore, PE – Project Engineer/Resident Engineer
Construction Cost / Fee / Year	Const Cost $881,000 / Const. Fee $31,000 / 2012

Project / Client	IL Route 132 Roadway Improvements (PTB 126/09) / IDOT
Scope of Work / (Contractor) / Client POC	Phase II engineering services for 2.01 miles of roadway widening and resurfacing of an Arterial Route, Illinois Route 132. The project included widening to provide a five-lane pavement section, storm sewer construction, storm water detention basins, replacement and modernization of traffic signal equipment at three intersections, traffic signal interconnection, retaining wall construction, sidewalk and multi-use path construction, and hazardous/special waste removal. IDOT – Ken Eng, PE, Bureau Chief-Bureau of Design, (847) 705-4247
Project Team	Bradley Hargett, PE, PLS, CFM – Project Manager, Brian Gilmore, PE – Project Engineer, Steve Gidley, PE – Project Engineer
Construction Cost / Fee / Year	Const Est. $14,000,000 / Design Fee $1,400,000 / Ongoing

Project / Client	US Route 12,20/45 at Joliet Road (PTB 157/20) / IDOT
Scope of Work / (Contractor) / Client POC	Phase II engineering services for 0.4 miles of resurfacing and widening of the intersection of two Arterial Routes, US Route 12/20/45 (LaGrange Road and Joliet Road. The project included widening to provide dual left-turn lanes, two through lanes and a right-turn lane on the US 12/20/45 intersection approaches, and to add a right turn lane on the westbound Joliet Road approach, storm sewer construction, replacement and modernization of a traffic signal, traffic signal interconnection, intersection lighting, and hazardous/special waste removal. IDOT – Ken Eng, PE, Bureau Chief-Bureau of Design, (847) 705-4247
Project Team	Bradley Hargett, PE, PLS, CFM – Project Manager, Brian Gilmore, PE – Project Engineer, Steve Gidley, PE – Project Engineer
Construction Cost / Fee / Year	Const Cost $4,228,000 / Design Fee $429,000 / 2014

Project / Client	IL Route 31 at IL Route 176 & Terra Cotta Avenue PTB 126/09) / IDOT
Scope of Work / (Contractor) / Client POC	Phase II engineering services for 1.42 miles of reconstruction, realignment, widening and closure of the fifth leg of the intersection of two Strategic Regional Arterial Routes, Illinois Route 31 and Illinois Route 176 with Terra Cotta Avenue. The project included reconstruction to provide dual left-turn lanes, two through lanes and a right-turn lane on each of the four remaining intersection approaches, storm sewer construction, a storm water detention basin, replacement and modernization of a traffic signal, traffic signal interconnection, and hazardous/special waste removal. IDOT – Ken Eng, PE, Bureau Chief-Bureau of Design, (847) 705-4247
Project Team	Thomas Adomshick, PE, PTOE – Project Manager, Bradley Hargett, PE, PLS, CFM – Project Engineer, Steve Gidley, PE – Project Engineer
Construction Cost / Fee / Year	Const Cost $10,189,000 / Design Fee $775,000 / 2014

Project / Client	McDonough Street (C.H. 3) Improvements / WCDOT
Scope of Work / (Contractor) / Client POC	Phase II engineering services for a MFT funded project that included 0.99 miles of realignment, reconstruction and widening of McDonough Street (urban collector), between Houbolt Road (urban arterial) and Infantry Drive (urban collector). McDonough Street improvements include widening from a two-lane rural cross section to a three-lane urban cross section, and realignment to provide a reverse curve meeting current design standards, installation of a streetlight system, storm sewer improvements, and construction of a multi-use asphalt path. Improvements to the McDonough Street / Houbolt Road intersection include widening to accommodate design truck turning movements, pavement milling and hot mix asphalt resurfacing, and traffic signal modernization. WCDOT – Brian Gieseke, PE, Phase II Project Manager, (815) 727-8476
Project Team	James Darnell, PE, CFM - Project Manager, Bradley Hargett, PE, PLS, CFM – Project Manager/Engineer, Steve Gidley, PE – Project Engineer
Construction Cost / Fee / Year	Const Cost $3,538,000 / Design Fee $348,000 / 2014

Project / Client	Weber Road (C.H. 88) Roadway Improvements / WCDOT
Scope of Work / (Contractor) / Client POC	Phase I engineering services for a federally funded improvement that included 2.0 miles of realignment, reconstruction and widening of Weber Road (Strategic Regional Arterial) between Airport Road and 135th Street. Weber Road improvements include widening to provide an urban cross section with three through lanes in each direction separated by a raised center median. Traffic signals within the project will be modernized and turn lanes provided as appropriate. Curb and gutter, roadside swales and storm sewers will be provided to collect and convey stormwater runoff. Existing cross culvert crossings will be replaced or extended, including the Mink Creek structure. The project involves special wastes, ROW acquisition, wetland delineations, stakeholder coordination and public hearing/meeting. WCDOT – Christina Kupkowski, PE, Phase I Project Manager, (815) 727-8476
Project Team	Thomas Adomshick, PE, PTOE – Project Manager, Bradley Hargett, PE, PLS, CFM – Project Manager, Brian Gilmore, PE – Project Engineer, Lynn Kroll, Project Engineer
Construction Cost / Fee / Year	Budget Est. $14,750,000 / Design Fee $934,000 /Ongoing

Stormwater Engineering (Review) Services:

Project / Client	Development Engineering Reviews: Village of Lisle, Village of Western Springs, Village of Woodridge, City of Elmhurst and City of Lockport
Scope of Work / (Contractor) / Client POC	JJB acts as the Village Engineer for the Village of Lisle, Village of Western Springs and Village of Woodridge; and provides development engineering reviews for the City of Elmhurst and City of Lockport. Our tasks for proposed private development (residential, commercial, or industrial developments) reviews generally include: • Review of conceptual, preliminary engineering and final engineering documents • Review of traffic impact studies • Review of impacts to special management areas including wetlands, buffers and riparian environments • Preparation of memorandums to document engineering, traffic, environmental and stormwater issues and to provide recommendations for action. Our reviews ensure that all applicable local, county, state and federal requirements are being met. Upon approval of private developments, our Development Project Services tasks typically include: • Construction observation and inspection of municipal infrastructure improvements including roadways, sewers and water mains constructed by developers to ensure compliance with municipal construction requirements • Perform soil erosion and sediment control inspections at prescribed intervals in compliance with IEPA requirements to minimize the potential for impacts to special management areas, waterways and adjoining properties • Review and make recommendations on letter of credit reduction requests • Perform a final inspection and, together with input from municipal staff, generate a deficiency punch list to be addressed by the Developer • Review as-built documents • Verify that all known deficiencies have been addressed before recommending acceptance, a letter of credit reduction and the start of the maintenance period to the municipality. Village of Lisle – Marilyn Sucoe, PE, CFM, Stormwater Administrator (630) 271-4107 Village of Western Springs – Martin Scott, Director of Community Devel. (708) 246-1800 Village of Woodridge – Chris Bethel, Director of Public Works (630) 719-4767 City of Elmhurst – Kent Johnson, PE, CFM, City Engineer (630) 530-3024 City of Lockport – Pamela Hirth-Manke, Director of Community & Economic Development (815) 838-0549
Project Team	Village of Lisle: James Darnell, PE – Project Manager Steve Gidley, PE – Project/Stormwater Engineer Daniel Schoenberg, PE – Traffic Engineer Village of Western Springs: Jeffery Ziegler – Project Manager Daniel Schoenberg, PE – Project/Stormwater Engineer Thomas Adomshick, PTOE – Traffic Engineer Village of Woodridge: James Darnell, PE – Project Manager Daniel Schoenberg, PE – Project/Stormwater Engineer Thomas Adomshick, PTOE – Traffic Engineer City of Elmhurst: James Darnell, PE – Project Manager Daniel Schoenberg, PE – Project/Stormwater/Traffic Engineer Lynn Kroll, PE, CFM - Project/Stormwater Engineer City of Lockport: James Darnell, PE – Project Manager Bradley Hargett, PE, PLS, CFM – Project Manager Steve Gidley, PE – Project/Stormwater Engineer Daniel Schoenberg, PE – Traffic Engineer David Koldoff – Natural Resources Review for all Clients
Construction Cost / Fee / Year	Const Cost N/A / Review Fee is on a Time and Material Basis / Ongoing

Project / Client	Stormwater Permit Closeouts: DuPage County Division Of Transportation
Scope of Work / (Contractor) / Client POC	JJB acts as a liaison between the DuPage County Division of Transportation and the DuPage County Department of Economic Development and Planning in an effort to close out old highway stormwater permits. Our tasks for closing out old Division of Transportation stormwater permits generally include: • Review of historic documentation related to stormwater permit applications and engineering issues which need to be addressed • Review of as-built roadway plans and calculations • Identification of impacts to special management areas including flood plains, wetlands, buffers and riparian environments • Preparation of a report to document the review findings, remaining work which must be completed in order to bring the project into compliance with the DuPage Countywide Stormwater and Flood Plain Ordinance, and a recommendation that the permit be closed out after all outstanding work has been completed. Our reviews and recommendations ensure that all applicable local, county, state and federal requirements will be met. DCPOT - Paul Krueger, PE, Chief Highway Engineer (630) 407-6914
Project Team	James Darnell, PE, - Project Manager Lynn Kroll, PE, CFM – Project Engineer David Koldoff, CPESC – Natural Resources Scientist
Construction Cost / Fee / Year	Const Cost N/A / Review Fee is on a Time and Material Basis / Ongoing

Detailed Project information sheets are provided for ten (10) of the above significant recent projects.



Scope:

- Field Survey/Field Checks
- Pavement Evaluation/ Pavement Design
- Drainage/Storm Sewer Design
- Water Main Design
- Contract Plan/Document Preparation
- Construction Management

Year Completed:

2014

Project Owner:

Village of Bensenville

Clients:

Village of Bensenville
717 East Jefferson Street
Bensenville, IL 60106

Contacts:

Mehul Patel, PE, CFM
Assistant Director of Public Works
(630) 594-1176

Project Engineer's Estimate:

Phase I - $891,414 (2009)

Phase II – $1,094,074 (2012)

Phase III – $1,376,500 (2013)

Phase IV - $1,551,593 (2014)

JJB Project Team:

Bradley Hargett, Principal/Project Manager

Joshua Strait, Project Engineer

VOLK BROTHERS CDBG RESONSTRUCITON PROJECTS – VARIOUS STREETS (MULTIPLE PHASES)
Bensenville, Illinois – DuPage County

Project Description:

JJB provided Phase II design engineering services for an overall roadway and infrastructure improvements of the Volk Brothers Subdivision phased into four multi-year projects. Phase III construction engineering services was provided for the first project Phase. A Community Development Block Grant was used to fund all the projects. The projects converted 1.1 miles of pavements from a rural cross section to an urban section with curb and gutter and storm sewers. The projects included curbs and gutter, storm sewers, sidewalks, driveway aprons, water main replacement, and parkway restoration. Stormwater detention was provided in the proposed storm sewers and a stormwater separator was provided for best management practices.

JJB prepared Phase II plans, specifications and estimates in accordance with the Village of Bensenville, DuPage County CDC, and IDOT's policies and procedures. Phase II final design engineering services include field survey to obtain the existing conditions in the area of the proposed improvements; horizontal/vertical alignments design, drainage analysis and storm sewer design in accordance with DuPage County Stormwater and Flood Plain Ordinance, water main design, and other design elements; contract plans and specifications prepared; quantity calculations prepared; geotechnical investigation prepared by sub-consultant; coordinated to obtain an IEPA and stormwater permit; and estimate of construction cost and working days to complete the construction prepared.

JJB provided Phase III construction management services for the first project along Wood Avenue and Ellis Street that included full time construction Resident Engineer; performing project initiation, documentation of quantities in accordance with the IDOT Construction Manual and ensuring compliance with Contract Plans and Specifications. Resident Engineer performs daily diary entries for contractor progress, traffic control devices, coordination with Municipal and County CDC permitting agencies, coordination with private and public utilities. Providing interpretation of plans and specifications, assuring compliance with materials testing in accordance with IDOT Project Procedures Guide. Resident Engineer processes extra work authorizations, weekly reports and provides coordination with contractor QC and QA by Materials Consultant. Resident Engineer produces and executes project finalization and project completion documentation.



Scope:

- Field Survey
- Streetscape Design
- Roadway Lighting Design
- IDOT Permitting
- Contract Plan/Document Preparation

Year Completed:

2016

Project Owner:

Village of Bensenville

Clients:

Village of Bensenville
717 East Jefferson Street
Bensenville, IL 60106

Contacts:

Mehul Patel, PE, CFM
Assistant Director of Public Works
(630) 594-1176

Project Engineer's Estimate:

Phase I - $823,448 (2015)

Phase II – $1,488,489 (2016)

JJB Project Team:

Bradley Hargett, Principal/Project Manager

James Darnell, Project Engineer

Brian Gilmore, Project Engineer

IRVING PARK ROAD STREETSCAPE PROJECTS – (MULTIPLE PHASES)
Bensenville, Illinois – DuPage County

Project Description:



JJB provided Phase I and II engineering services for upgrading 1.1 miles of the existing streetscape along Irving Park Road (Illinois Route 19) from Silver Creek to the Village's west corporate limit near Pine Lane. The streetscape enhancement project was phased into two multi-year projects. The hardscape improvements included a stamped concrete sidewalk with a one-foot concrete ribbon on both sides of the sidewalk. Street lighting along the entire length of the projects consisted of decorative poles with LED light fixtures, LED pedestrian lighting, hanging baskets, banner arms and festoon outlets.

Phase I preliminary engineering services included field survey, base plan sheets, utility coordination, environmental (CCDD) investigation prepared by sub-consultant, establish design parameters and standards, preliminary streetscape design, and preliminary lighting design in accordance with IDOT's District 1 General guidelines for Lighting Design and Illuminating Engineering Society's Recommend Practice 8 (IES RP-8) lighting requirements.

JJB prepared Phase II plans, specifications and estimates in accordance with the Village of Bensenville and IDOT's policies and procedures. Phase II design engineering services include field checks to verify the existing conditions in the area of the proposed improvements; finalize streetscape, lighting design, and other design elements; contract plans and specifications prepared; quantity calculations prepared; coordinated and submit streetscape and lighting design to IDOT obtain a Highway Permit for improvements within State right-of-way; estimate of construction cost and working days to complete the construction prepared; and bidding assistance was provided.



Scope:

- Field Survey
- Water Main Design
- Culvert Extension Design
- DuPage County Stormwater Permit
- Contract Plan/Document Preparation

Year Completed:

2014

Project Owner:

Village of Bensenville

Clients:

Village of Bensenville
717 East Jefferson Street
Bensenville, IL 60106

Contacts:

Mehul Patel, PE, CFM
Assistant Director of Public Works
(630) 594-1176

Project Engineer's Estimate:

$442,154

JJB Project Team:

Bradley Hargett, Principal/Project Manager

Joshua Strait, Project Engineer

IRVING PARK ROAD WATER MAIN AND CULVERT REPLACEMENT PROJECT
Bensenville, Illinois – DuPage County

Project Description:

JJB provided Phase I and Phase II engineering services for a locally funded project that included 1,100 feet of water main replacement and box culvert replacement along Irving Par Road (Illinois Route 19) from Eastview Avenue to Church Road. The project consisted of water main replacement, existing 8'x2.5' box culvert replacement, storm sewer installation, driveway and sidewalk removal, pavement patching, curb and gutter replacement, and pavement markings.

Phase I preliminary engineering services included field survey, base plan sheets, utility coordination, geotechnical and environmental (CCDD) investigation prepared by sub-consultant, IDOT permit coordination for water main and culvert improvement within the State right-of-way, preliminary culvert hydraulic analysis using HEC-RAS and culvert design, and preliminary water main design.

JJB prepared Phase II plans, specifications and estimates in accordance with the Village of Bensenville and IDOT's policies and procedures. Phase II final design engineering services include field survey to obtain the existing conditions in the area of the proposed improvements; drainage analysis and culvert design finalized in accordance with DuPage County Stormwater and Flood Plain Ordinance and IDOT requirements, water main design, and other design elements; contract plans and specifications prepared; quantity calculations prepared; General Certification stormwater management report was prepared in accordance with DuPage County Stormwater and Flood Plain Ordinance and a separate Drainage Report was prepared for IDOT; coordinated and submit water main and culvert design/plans to IDOT obtain a Highway Permit and Utility permit for improvements within State right-of-way; coordinated to obtain an IEPA permit for water main improvements; and estimate of construction cost and working days to complete the construction prepared.



MacGREGOR ROAD/NORTH STREET ROADWAY IMPROVEMENTS
Lockport, Illinois – Will County

Scope:

- Roadway Design
- Drainage/Storm Sewer Design
- Project Development Report
- Environmental Survey Request
- Pavement Design
- Construction Management

Year Completed:

Ongoing

Project Owner:

City of Lockport

Clients:

City of Lockport
17112 S. Prime Boulevard
Lockport, IL 60441

Contacts:

Brent Cann, PE
Director of Public Works
(815) 838-0549

Project Engineer's Estimate:

$1,730,000

JJB Project Team:

Bradley Hargett, Principal/Project Manager

Brian Gilmore, Project Engineer

Project Description:

JJB provided Phase I, II, and III engineering services for federally funded improvement for roadway widening, reconstruction and resurfacing of 4,100 feet of an urban collector roadways. MacGregor Road will be reconstructed from 28' to 30'. Portion of North Street will be reconstructed (870') on the existing horizontal alignment and a portion resurfaced (1,955').

Phase I preliminary engineering services included preparation of a Phase I Location Design Study for the construction of roadway improvements processed as a Categorical Group I Exclusion with project development report. An Environmental Survey Request was prepared and submitted for Biological and Cultural Resource Clearance and the Illinois Historic Preservation Agency HARGIS used to identify potential historic site findings. Traffic counts and volume projection coordination with CMAP were performed. Alternative geometric analysis was performed to identify preferred geometrics. Capacity analyses were performed of alternate geometric options. A drainage analysis was performed of the existing and proposed conditions to identify deficiencies in the existing system and improvements to alleviate drainage problems. A cost analysis was prepared for the preferred options. A public informational meeting held with adjacent property owner and steakholders. A Preliminary Environmental Site Assessment report was prepared by a sub-consultant.

Phase II final design engineering services include field checks to verify the existing conditions in the area of the proposed improvements; finalize horizontal/vertical alignments, storm sewer design, and other design elements; contract plans and specifications for the proposed improvements was prepared using IDOT's policies and procedures for a federal aid project; quantity calculations prepared; Preliminary Site Investigation prepared by sub-consultant; and estimate of construction cost and working days to complete the construction prepared.

Phase III construction management services included full time construction Resident Engineer; performing project initiation, documentation of quantities in accordance with the IDOT Construction Manual and ensuring compliance with Contract Plans and Specifications. Resident Engineer performs daily diary entries for contractor progress, traffic control devices, coordination with Municipal, State and County permitting agencies, coordination with private and public utilities. Providing interpretation of plans and specifications, assuring compliance with materials testing in accordance with IDOT Project Procedures Guide. Contract documentation is performed using the IDOT ICORS documentation system. Resident Engineer processes extra work authorizations, weekly reports and provides coordination with contractor QC and QA by Materials Consultant. Resident Engineer produces and executes project finalization and project completion documentation.


13th Street (During Construction)

Scope:

- Roadway Design
- Alternative Geometric Analysis
- Drainage/Storm Sewer Design
- Pavement Design

Year Completed:

2017

Project Owner:

City of Lockport

Clients:

City of Lockport
17112 S. Prime Boulevard
Lockport, IL 60441

Contacts:

Brent Cann, PE
Director of Public Works
(815) 838-0549

Project Engineer's Estimate:

$1,710,000

JJB Project Team:

Bradley Hargett, Principal/Project Manager

Brian Gilmore, Project Engineer

LOCKPORT 2017 ROADWAY RECONSTRUCTION PROJECT – VARIOUS STREETS
Lockport, Illinois – Will County

Project Description:


13TH St./Division St. Intersection (Pre-Construction)

JJB provided Phase II engineering services for a locally funded project that includes the construction of approximately 3,000 feet of roadway reconstruction, storm sewer, and water main improvements along the residential streets of 13th Street, 14th Street, Washington Street, and Jefferson Street. Reconstruction includes removal of the existing pavement, aggregate base course, hot mix asphalt binder and surface courses, and curb and gutter. The reconstruction improvements will also include sidewalks, driveway reconstruction, storm sewers, sanitary sewer repairs, water main replacement, and parkway restoration. An alternative geometric analysis was performed along 13th Street and at the 5-pointed intersection of 13th Street and Division Street. The alterative geometric analysis was presented to the City Board, adjacent residents, and stakeholders to determine preferred geometrics along 13th Street.

JJB prepared Phase II plans, specifications and estimates in accordance with the City of Lockport and IDOT's policies and procedures. Phase II final design engineering services include field checks to verify the existing conditions in the area of the proposed improvements; horizontal/vertical alignments design, storm sewer design, and other design elements; contract plans and specifications prepared; quantity calculations prepared; geotechnical investigation prepared by sub-consultant; coordinated to obtain an IEPA permit; and estimate of construction cost and working days to complete the construction prepared.



WINCHESTER AVENUE SIDEWALK IMPROVEMENTS
Lisle, Illinois – DuPage County

Project Description:
JJB provided Phase I, II, and III engineering services for federally funded (Safe Routes to School) that includes the construction of 0.34 mile of new concrete sidewalk along Winchester Avenue from Middleton Avenue to Ogden Avenue. The project included concrete curb and gutter, segmental block retaining wall, driveway pavement removal and replacement, new concrete sidewalk, storm sewer, pavement patching, landscape restoration and pavement striping.

Phase I preliminary engineering services include field survey, wetland determination and delineations, base plan sheets, preliminary geometric and design studies, and Phase I documents for a Categorical Exclusion Group I. An Environmental Survey Request was prepared and submitted for Biological, Wetland, Cultural, and Special Waste Screening Resource Clearance. A Wetland Impact Evaluation was submitted for impact on adjacent wetlands. An IDNR EcoCAT was performed to identify potential impacts to threatened or endangered species, natural area inventory sites, and dedicated nature preserves. The Illinois Historic Preservation Agency HARGIS was used to identify potential historic site findings. A Preliminary Environmental Site Assessment (PESA) was prepared by sub-consultant. Plat of Highways was prepared for acquisition of temporary easements.

Phase II final design engineering services include field checks to verify the existing conditions in the area of the proposed improvements; finalize design engineering; contract plans and specifications for the proposed improvements was prepared using IDOT's policies and procedures for a federal aid project; quantity calculations prepared; Preliminary Site Investigation prepared by sub-consultant; and estimate of construction cost and working days to complete the construction prepared. A stormwater management report and permit applications was prepared and submitted to DuPage County. A Regional Permit was prepared and obtained from the U.S. Army Corps of Engineers (USACE) for impacted regulator wetlands.

Phase III construction management services included full time construction Resident Engineer; performing project initiation, documentation of quantities in accordance with the IDOT Construction Manual and ensuring compliance with Contract Plans and Specifications. Resident Engineer performs daily diary entries for contractor progress, traffic control devices, coordination with Municipal, State and County permitting agencies, coordination with private and public utilities. Providing interpretation of plans and specifications, assuring compliance with materials testing in accordance with IDOT Project Procedures Guide. Contract documentation is performed using the IDOT ICORS documentation system. Resident Engineer processes extra work authorizations, weekly reports and provides coordination with contractor QC and QA by Materials Consultant. Resident Engineer produces and executes project finalization and project completion documentation.

Scope:

- Sidewalk Design
- Drainage Design
- Project Development Report
- Environmental Survey Request and Wetland Impact Evaluation
- DuPage County Stormwater Permit and USACE Regional Permit
- Construction Management

Year Completed:

Ongoing

Project Owner:

Village of Lisle

Clients:

Village of Lisle
925 Burlington Avenue
Lisle, IL 60532

Contacts:

Jason Elias, PE
Public Works Director
(630) 271-4170

Project Engineer's Estimate:

$176,000

JJB Project Team:

Bradley Hargett, Principal/Project Manager

Brian Gilmore, Project Engineer

David Koldoff, Environ. Scientist



WESTERN SPRINGS 2016 ROADWAY RESURFACING PROJECT – VARIOUS STREETS
Western Springs, Illinois – Cook County

Scope:

- Field Survey/Field Checks
- Pavement Evaluation/ Pavement Design
- Contract Plan/Document Preparation

Year Completed:

2016

Project Owner:

Village of Western Springs

Clients:

Village of Western Springs
740 Hillgrove Boulevard
Western Springs, IL 60558

Contacts:

Mathew Supert
Director of Municipal Services
(708) 246-1800 x205

Project Engineer's Estimate:

$847,000

JJB Project Team:

Jeff Ziegler, Principal/Project Manager

Steve Gidley, Project Engineer

Project Description:



JJB provided Phase II engineering services for a locally funded project that includes the construction of approximately 6,500 feet of roadway resurfacing along the residential streets of Western Avenue, 42nd Street, Grand Avenue, Johnson Avenue, 51 Street, and Fair Elms Avenue. The project includes milling of existing pavement, HMA overlay, pavement patching, curb and gutter patching, drainage improvements to miscellaneous drainage problems, landscape restoration, and pavement striping. Coordinate with the Metropolitan Water Reclamation District of Greater Chicago for a Watershed Management Permit.

JJB prepared Phase II plans, specifications and estimates in accordance with the Village of Western Springs and IDOT's policies and procedures. Scope included field checks to verify the existing conditions in the area of the proposed improvements; various design elements; contract plans and documents; quantity calculations prepared; estimate of construction cost and working days to complete the construction prepared; and assisted Village with the bidding process and construction observation on an as needed basis.



Scope:

- Field Survey/Field Checks
- Pavement Evaluation/ Pavement Design
- Contract Plan/Document Preparation

Year Completed:

2015

Project Owner:

Village of Western Springs

Clients:

Village of Western Springs
740 Hillgrove Boulevard
Western Springs, IL 60558

Contacts:

Mathew Supert
Director of Municipal Services
(708) 246-1800 x205

Project Engineer's Estimate:

$881,000

JJB Project Team:

Jeff Ziegler, Principal/Project Manager

Steve Gidley, Project Engineer

Daniel Schoenberg, Project Engineer

WESTERN SPRINGS 2015 ROADWAY RESURFACING PROJECT – VARIOUS STREETS
Western Springs, Illinois – Cook County

Project Description:



JJB provided Phase II engineering services for a locally funded project that includes the construction of approximately 6,600 feet of roadway resurfacing along the residential streets of 39th Street, 41st Street, Commonwealth Avenue, Howard Avenue, Harvey Avenue, Ridgewood Lane, and Fair Elms Avenue. The project includes milling of existing PCC and HMA pavement, HMA overlay, pavement patching, curb and gutter patching, sidewalks, drainage improvements to miscellaneous drainage problems, landscape restoration, and pavement striping. Coordinate with the Metropolitan Water Reclamation District of Greater Chicago for a Watershed Management Permit.

JJB prepared Phase II plans, specifications and estimates in accordance with the Village of Western Springs and IDOT's policies and procedures. Scope included field checks to verify the existing conditions in the area of the proposed improvements; various design elements; contract plans and documents; quantity calculations prepared; estimate of construction cost and working days to complete the construction prepared; and assisted Village with the bidding process and construction observation on an as needed basis.



ILLINOIS ROUTE 132 ROADWAY IMPROVEMENTS
PTB 165, ITEM 11
Lindenhurst, Illinois – Lake County

Project Description:

JJB provided Phase II engineering services for the roadway widening and resurfacing of an Arterial Route, Illinois Route 132 between Munn Road to Deerpath Drive. IL Route 132 improvements included widening to provide a five-lane pavement section, storm sewer construction, storm water detention basins, replacement and modernization of traffic signal equipment at three intersections, traffic signal interconnection, retaining wall construction, sidewalk and multi-use path construction, and hazardous/special waste removal. The total project length was 2.01 miles. The improvement will be funded with use State and Highway Safety Improvement Program funds.

Phase II final design engineering services includes final design engineering, data collection and review, patching survey, evaluation of existing drainage structures conditions, preparation of PESA response, pavement design submittal, maintenance of traffic concept plan, drainage calculations and detention basin design, contract plans prepared using IDOT's policies and procedures, technical specifications and special provisions prepared using IDOT's policies and procedures, quantity calculations, estimate of construction cost and working days to complete the construction will be prepared, wetland impact evaluation and USACE permitting.

Sub-consultant tasks include supplemental survey (pickup survey & vertical/horizontal control check); geotechnical investigations including roadway and structural soil borings; prepare structural contract plans, special provisions, and cost estimate for one soldier pile retaining walls and two segmental concrete block retaining walls; prepare traffic signal contract plans, special provisions, and cost estimate for three signalized intersections.

Scope:

- Intersection and Roadway Design
- Drainage/Storm Sewer Design
- Contract Plan/Document Preparation
- IDOT, USACE, and Village Coordination
- Traffic Signal/Retaining Wall Design (Subs.)

Year Completed:

Ongoing

Project Owner:

Illinois Department of Transportation

Clients:

Illinois Dept. of Transportation
District One
201 West Center Court
Schaumburg, IL 60196

Contacts:

Ken Eng, PE
Bureau Chief, Bureau of Design
(847) 705-4247

Project Engineer's Estimate:

$14,000,000

JJB Project Team:

Bradley Hargett, Principal/Project Manager

James Darnell, QC/QA Reviewer

Brian Gilmore, Project Engineer

Steve Gidley, Project Engineer


McDonough St./Houbolt Rd. Intersection

McDONOUGH (C.H. 3) STREET IMPROVEMENTS
Joliet, Illinois – Will County

Scope:

- Intersection and Roadway Realignment Design
- Drainage/Storm Sewer Design
- Traffic Signal Design/FAA Coordination
- Roadway Lighting

Year Completed:

2014

Project Owner:

Will County Division of Transportation (WCDOT)

Clients:

WCDOT
16841 W. Laraway Road
Joliet, IL 60433

Contacts:

Brian Gieseke, PE
Phase II Project Manager
(815) 727-8476

Project Engineer's Estimate:

$4,900,000

JJB Project Team:

James Darnell, Principal/Project Manager

Bradley Hargett, Project Manager & Engineer

Brian Gilmore, Project Engineer

Steve Gidley, Project Engineer

Thomas Adomshick, QC/QA Reviewer

Project Description:


McDonough Street

JJB provided Phase II engineering services for realignment, reconstruction and widening of McDonough Street (urban collector), between Houbolt Road (urban arterial) and Infantry Drive (urban collector). McDonough Street improvements include widening from a two-lane rural cross section to a three-lane urban cross section, and realignment to provide a reverse curve meeting current design standards, installation of a streetlight system, storm sewer improvements, and construction of a multi-use asphalt path. Improvements to the McDonough Street/Houbolt Road intersection include widening to accommodate design truck turning movements, pavement milling and hot mix asphalt resurfacing, and traffic signal modernization. Total project length is 0.99 miles. After construction, roadway jurisdiction was transferred from Will County to the City of Joliet. The improvement was funded with use of local and Motor Fuel Tax funds.

JJB prepared Phase II plans, specifications and estimate in accordance with the Bureau of Local Roads and Streets Manual, Will County Highway Dept. Standards and City of Joliet Standards. Scope included performing traffic counts and the preparation of Intersection Design Studies for two intersections. Coordinated with City of Joliet for stormwater permit, the Army Corps of Engineers, US Fish & Wildlife Service, Illinois Environmental Protection Agency, and the Illinois Department of Transportation Division of Aeronautics. An Environmental Survey Request (ESR) and Wetland Impact Evaluation (WIE) was prepared along with Plat of Highways and legal descriptions for land acquisition.

PROJECT TEAM

Our approach to serving our clients employs a project team comprised of a project manager, project engineers, support staff, and quality assurance/control reviewer. The project manager shall act as the principal liaison to the Village in matters relating to achievement of the project requirements, including budget control, schedules, milestones and quality objectives, and shall advise and direct other project team members.

The project engineer will perform engineering tasks under the guidance of the project manager and will direct operations of the engineering technicians support staff.

Supporting staff will assist in the engineering services that include CADD drafting and field survey under the guidance of the project engineer and project manager.

The quality assurance/control reviewer will be responsible for conformance with the QA/QC requirements set forth by IDOT, the County or City, and applicable codes and standards.

The following is summary of anticipated key project team members for each discipline specific service:

Design Engineering Services:

- Principal in Charge – Bradley Hargett
- Project Manager – Bradley Hargett and/or Tom Adomshick
- Project Engineer – Steve Gidley and/or Brian Gilmore
- Environmental Studies – David Koldoff
- QA/QC Reviewer – Bradley Hargett and/or Tom Adomshick

Stormwater Services:

- Principal in Charge – Bradley Hargett
- Project Manager – Bradley Hargett and/or James Darnell
- Project Engineer – Steve Gidley, Lynn Kroll, Daniel Schoenberg, and/or Brian Gilmore
- Environmental Studies – David Koldoff
- QA/QC Reviewer – Bradley Hargett and/or James Darnell

Resident Engineering/Construction Management Services:

- Principal in Charge – Bradley Hargett
- Project Manager – Bradley Hargett and/or Tom Adomshick
- Project Engineer – Steve Gidley and/or Brian Gilmore
- QA/QC Reviewer – Bradley Hargett and/or Tom Adomshick

For specialty services, such as geotechnical and environmental (CCDD) investigation will retain an IDOT prequalified sub-consultants.

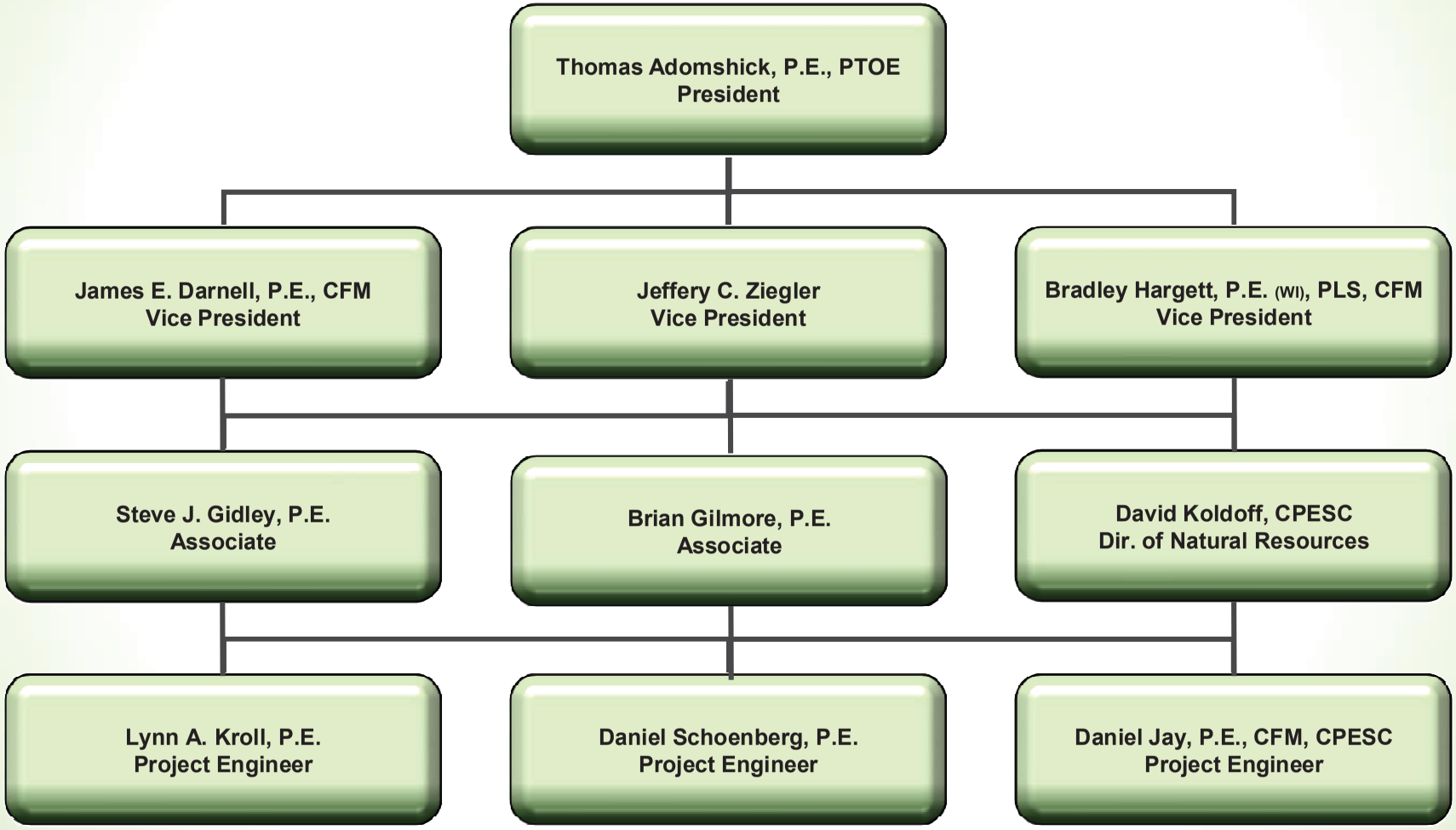
STAFFING SUMMARY

Name/Registration/ Title	Years of Exp./ @ Firm	IDOT/Municipal Project Experience
Thomas Adomshick, P.E., PTOE President	34/29	Served as Project Manager for various Village of Barrington, Glen Ellyn, Glenview, Woodridge, Oak Brook, Riverside, Warrenville, IDOT and WCDOT roadway, infrastructure (storm sewer and water main), sidewalk, traffic signal projects; municipal traffic engineering review services; and construction engineering/inspection services. Managed in-house staff and sub-consultants. He has extensive experience with IDOT's Phase I and Phase II process for federally aid projects.
James Darnell, PE, CFM Vice President	42/33	Served as Project Manager and engineer for various Village of Bensenville, Woodridge, Elmhurst, Lisle, WCDOT, and DuPage County roadway, infrastructure (storm sewer and water main), stormwater, sidewalk, and street lighting projects; municipal engineering inspection and review services including stormwater reviews; and construction engineering/inspection services. Managed in-house staff and sub-consultants.
Bradley Hargett, PE, PLS, CFM Vice President	26/22	Served as Project Manager for various Village of Bensenville, Lisle, Lockport, Woodridge, IDOT and WCDOT roadway, infrastructure (storm sewer & water main), streetscape, stormwater, sidewalk, street lighting, traffic signal projects; municipal engineering inspection and review services including stormwater reviews; and construction engineering/inspection services. Managed in-house staff and sub-consultants. He has extensive experience with IDOT's Phase I, II, and III process for federally aid projects.
Steve Gidely, PE Senior Associate	41/31	Served as Project Engineer for various Village of Lisle, Lockport, Woodridge, Western Springs, IDOT, and WCDOT roadway, infrastructure (storm sewer and water main), sidewalk, traffic signal projects; municipal engineering inspection and review services including stormwater reviews; and construction engineering/inspection services. He addressed many concerns regarding storm water management issues and regulations. He performed day-to-day observations and documentation for locally and federally funded projects.
Daniel Schoenberg, PE Project Engineer	46/10	Served as Project Engineer for various Village of Western Springs, Hinsdale, Glenview, Glen Ellyn, Woodridge, and Elmhurst roadway, infrastructure (storm sewer and water main), streetscape projects; municipal engineering inspection and review services including stormwater and traffic reviews. He addressed many concerns regarding storm water management issues and regulations. He was also Village of Hinsdale's Director of Public Services for many years.
Brian Gilmore, PE Project Engineer	10/6	Served as Project Engineer for various Village of Lisle, Lockport, Western Springs, Hinsdale, IDOT, and WCDOT roadway, infrastructure (storm sewer and water main), sidewalk, traffic signal projects; and construction engineering/inspection services. He has extensive experience with IDOT's Phase I, II, and III process for federally aid projects. He performed day-to-day observations and documentation for locally and federally funded projects.

STAFFING SUMMARY		
Name/Registration/ Title	**Years of Exp./ @ Firm**	**IDOT/Municipal Project Experience**
Lynn Kroll, PE, CFM Project Engineer	14/3	Served as Project Engineer for various Elmhurst, Woodridge, Western Springs, DuPage County, IDOT, and WCDOT roadway, infrastructure (storm sewer and water main), stormwater projects; municipal engineering review services including stormwater reviews; She addressed many concerns regarding storm water management issues and regulations. Her assignments have included drainage analyses and design including hydrologic and hydraulic analyses; storm sewer, ditch, culvert and detention; bridge opening analysis at floodplain/floodway crossings, compensatory storage, and IDNR Floodway Permit coordination.
David Koldoff, CPESC Director of Natural Resources	24/9	Served as environmental scientist for various Village of Lisle, Elmhurst, Woodridge, Western Springs, Lockport, roadway, infrastructure (storm sewer and water main), and sidewalk projects; municipal environmental reviews and inspection services. He is a certified wetland specialist and arborist experience performing environmental studies and wetland delineations, as well as coordinating with the ACOE, USFWS, KDSWCD and the Illinois EPA.

Resumes for the key members of the Project Team are attached for detailed experience.

JAMES J. BENES & ASSOCIATES, INC.
ORGANIZATIONAL CHART



Key Personnel

Thomas Adomshick, P.E., PTOE

President

Mr. Adomshick is a principal and President of James J. Benes & Associates, with 34 years experience in engineering design, traffic studies, environmental studies, plan review and construction inspection. His assignments have included roadway, sanitary sewer, water main, street lighting and drainage projects and traffic study and plan reviews. He is a member of the Institute of Transportation Engineers.

Education

BS, Civil Engineering
Penn State University
University Park, PA, 1983

Professional Registrations

Professional Engineer – IL since 1988

Professional Traffic Operations Engineer (certification) since 2003

Seminars

IDOT Phase I Training, ACEC-IL

Highway Traffic Noise Seminar, IDOT & ACEC-IL

District 1 Drainage Seminar IDOT & ACEC-IL

IDOT Policy & Procedures/ Project Management Seminar IDOT & ACEC-IL

ADA/PROWAG Seminar IDOT

Lighting Seminar, ACEC-IL & IDOT

Experience

Traffic Engineering Reviews and Services
Clients: Villages of Glenview, Barrington, Glen Ellyn, Western Springs, Woodridge and City of Warrenville
Project manager responsible for the review of private development traffic impact analyses and for providing general traffic engineering services. General services include traffic impact, calming, geometric and safety studies and analyses for various municipalities.

Illinois Route 132 Improvements – Phase II
Client: Illinois Department of Transportation
Principal in charge responsible for Phase II engineering services for a $13.0 million widening and resurfacing of 2.0 miles of a State Route. The project includes pavement widening and resurfacing, traffic signal modernization, storm sewers, stormwater detention, and hazardous/special waste removal.

IL Route 31/IL Route 176 Intersection Improvements – Phase II
Client: Illinois Department of Transportation
Principal in charge responsible for Phase II engineering services for a $10.2 million improvement at the intersection of two State Routes. The project includes pavement widening and reconstruction, traffic signal replacement, storm sewers, and stormwater detention.

US 12/20/45 (LaGrange Road) at Joliet Road – Phase II
Client: Illinois Department of Transportation
Principal in charge responsible for the preparation of Phase II final engineering plans and specifications for widening and reconstruction of the intersection of two arterial routes. The project included intersection improvements, storm sewers, traffic signal modernization, water main relocation, non-special waste and intersection lighting.

Seminars (continued)

Traffic Signal Seminar, ACEC-IL & IDOT

Traffic Signal Workshop, Northwestern University

Highway Capacity Analysis, McTrans

Chicagoland Water Resource Permitting Workshop, ACEC, EWRI & Lake County SMC

HEC-HMS Hydrologic Modeling Training, MWRDGC & CBBEL

Highway Safety Manual Workshop, ITE & ASCE-IL

Highway Traffic Noise, FHWA/NHI Course 142051

Illinois Route 56 – Phase II
Client: Illinois Department of Transportation
Project manager responsible for the preparation of Phase II final engineering plans and specifications for widening and reconstruction of 1.7 miles of a State Route. The project included intersection improvements and traffic signal modernization. Firm received the ***IDOT/ACEC 2008 Urban Highway Project – Phase II Exceptional Consulting Services Award*** for this project.

IL Route 22 (East of Buesching Rd. to Quentin Rd.)
Clients: Illinois Department of Transportation
Project manager responsible for Phase II engineering services for a $12.8 million widening and reconstruction of a State Route. The project included pavement widening and reconstruction, traffic signal modernization, storm sewers, and stormwater detention.

Weber Road Phase I Study
Client: Will County Division of Transportation
Principal in charge responsible for Phase I Study of a federally funded improvement for the roadway widening, reconstruction and realignment of a 2.0 mile Strategic Regional Arterial highway. The project includes widening from four lanes to six with a barrier median, traffic signal replacement and modernization, storm sewers, stormwater detention, cross culverts replacement, wetland and floodplain encroachment mitigation, and potential noise mitigation.

IL-38 at Nicoll & Lambert, IL-53 at Pershing Traffic Signal Improvements – Phases I, II & III
Client: Village of Glen Ellyn
Project manager responsible for the preparation of a grant application, Phase I Project Report; Phase II final plans, specifications and cost estimates; and Phase III construction management of a CMAQ funded traffic signal project involving addition of signalized pedestrian crossings and upgrades to ADA compliance a three intersections on State Routes.

One North Washington Place Traffic Impact Study
Client: City of Batavia
Project manager responsible for preparation of a traffic impact stud for a mixed-use infill 170 unit residential and retail redevelopment of a block in the City downtown.

Police Station Traffic Impact Study
Client:Village of Glen Ellyn
Project manager responsible for preparation of a traffic impact study for a new police headquarters facility.

Pedestrian Facilities Study
Clients: Villages of Glenview and Wilmette
Project manager responsible for preparation of a pedestrian access and traffic calming study for a neighborhood school. Nearby arterial streets and a lack of sidewalk contributed to access difficulties. The project area included the Villages of Glenview and Wilmette.

Jorie Boulevard LAPP Improvements
Client: Village of Oak Brook
Project manager responsible for the Phases I, II, and III engineering services for a federally funded resurfacing improvement on a 1.5 mile urban collector roadway.

Ridgewood Road Resurfacing Project
Clients: Village of Riverside
Project manager responsible for Phases I, II, and III of a federally funded resurfacing project. The improvement included surface removal and replacement on a municipal collector street. Work was performed in accordance with IDOT and FHWA policies and procedures.

Arboretum Woods Park
Client: Lisle Park District
Project manager responsible for preliminary studies, preparation of final plans, specifications and estimate, permit applications and construction guidance for a pond bank stabilization, native planting and multi-use path project at a park located within regulatory floodplain and floodway.

22nd Street/York Road Improvements – Phases I, II & III
Client: Village of Oak Brook
Project manager responsible for the preparation of a Phase I Project Development Report; preparation of final plans, specifications and cost estimates; and construction management for a $4.6 million intersection widening and resurfacing project. The STP funded project included construction of dual left turn lanes and single right turn lanes at the intersection. It also included two new traffic signal installations, interconnection between six signalized intersections and a new roadway lighting system.

Diehl Road Phase I Study
Client: City of Warrenville
Project manager responsible for Phase I Study of a federally funded improvement to provide a new access to alleviate extensive vehicular delays and queuing, and reduce potential for crashes along a County arterial route. The project involved coordination with IDOT, the FHWA and local area businesses.

Key Personnel

James E. Darnell, P.E., CFM

Senior Vice President

Mr. Darnell is a principal and Senior Vice President of James J. Benes & Associates, with 42 years experience in engineering design, plan review and construction inspection. His assignments have included roadway, sanitary sewer, water main, site development, street lighting and drainage projects and plan reviews. He is a member of the Association of State Floodplain Managers and the Illinois Association for Stormwater and Floodplain Management.

Education

BS, Civil Engineering
University of Wisconsin - Platteville
Platteville, WI, 1975

FEQ Short Course
ASCE

IDOT Policy and Project Management Seminar

Evaluation & Rehabilitation of Pavements Seminar
University of Wisconsin

Phase 1 Public Involvement Workshop
IDOT & CECI

Professional Registrations

Professional Engineer – IL

Professional Engineer – WI

Certified Floodplain Manager - ASFPM

Experience

Review & Engineering Services
Clients: Elmhurst, DuPage County, Lisle, Woodridge
Project manager responsible for engineering reviews and stormwater reviews for single family homes and residential, commercial and industrial developments in several area communities. As municipal engineer, he is often the project manager for planning, design and construction of roadway and other capital improvement projects.

IL-19 Phase 1 Streetscape Enhancement
Client: Village of Bensenville
Project engineer responsible for the preparation of photometric and voltage drop calculations, and final engineering plans, specifications and cost estimates for the replacement of a Village streetlight system with a new controller, decorative poles and LED lighting fixtures under permit along a State route. The project also included coordination with IDOT District One Permits Section, Commonwealth Edison and the construction phase resident engineer.

McDonough Street Improvements – Phase II
Client: Will County Division of Transportation
Project manager responsible for preparation of final plans, specifications and cost estimates for the reconstruction, realignment and widening of an urban collector. The project also included intersection design studies, storm sewers, traffic signal modernization street lighting and a multi-use path.

Wolf Road Improvements – Phase I
Client: Illinois Department of Transportation
Project engineer responsible for hydrologic and hydraulic calculations and preparation of a Location Drainage Study for a 1.35 mile widening and resurfacing improvement of Wolf Road. The project included storm sewers, in-line stormwater detention, and flood plain analysis.

Illinois Route 59 Roadway Improvements – Phase II
Client: Illinois Department of Transportation
Project manager responsible for preparation of final plans, specifications and cost estimates for the reconstruction and widening of Illinois Route 59 from Golf Road to Shoe Factory Road in western Cook County. The project included hinge-joint PCC pavement, traffic signal replacement, a forest preserve entrance and parking lot and steel plate beam guardrail installation.

McCormick Boulevard – Phase II
Client: Illinois Department of Transportation
Project manager responsible for preparation of final plans, specifications and cost estimates for the widening and resurfacing of McCormick Boulevard from Lincoln Avenue to Devon Avenue in the City of Chicago and the Village of Lincolnwood. The project also included street lighting, traffic signal replacement at two intersections and interconnection between nine signalized intersections.

Jorie Boulevard Improvements – Phase I, II and III
Client: Village of Oak Brook
Project manager responsible for the preparation of a Phase I Project Development Report for Categorical Exclusion; preparation of final plans, specifications and estimates; and construction management for the widening and reconstruction of Jorie Boulevard from 31st Street to 22nd Street. The 1.4 mile STP-funded project included removal of HMA surface and pozzolanic base course, curb and gutter removal and replacement, full-depth HMA pavement, streetlight relocation, storm sewer improvements and parkway / median restoration.

York Road Streetscape – Phase I, II and III
Client: City of Elmhurst
Project manager responsible for the preparation of a project report, preparation of final plans, specifications and cost estimates, and construction management for streetscape improvements from the back of curb to the right-of-way limits in a central business district. The ITEP-funded $1.8 million project included sidewalk removal, decorative streetlights, PCC sidewalk, brick paver sidewalk and parkway trees with tree wells.

Webster Avenue Drainage Study
Client: City of Elmhurst
Project manager responsible for preparation of a drainage study to evaluate chronic flooding in a residential neighborhood. The project included modeling the runoff from a 93-acre watershed with TR-20 to determine the critical duration storm runoff for multiple frequency storms. The study also examined alternative solutions and made recommendations to increase the capacity of the existing system.

Illinois Route 83 Study – Phase I
Client: Illinois Department of Transportation
Project manager responsible for the preparation of a Location Drainage Study for the widening and reconstruction of an eight mile long section of Illinois Route 83 from south of Interstate 55 to 31st Street, in eastern DuPage County. The project involved widening Route 83 from four lanes to six lanes. The study also included design of in-pipe stormwater detention and preparation of two hydraulic reports for box culverts under Route 83.

Illinois Route 132 Improvements – Phase II
Client: Illinois Department of Transportation
QC/QA reviewer responsible for the quality of Phase II final engineering plans and specifications for widening and resurfacing of 2.0 miles of a State Route. The project includes pavement widening and resurfacing, traffic signal modernization, storm sewers, stormwater detention, and hazardous/special waste removal.

Illinois Route 31 at Illinois Route 176 – Phase II
Client: Illinois Department of Transportation
QC/QA reviewer responsible for the quality of Phase II final engineering plans and specifications for widening and reconstruction of 1.4 miles of a State Route. The project included intersection improvements and traffic signal modernization.

US 12/20/45 (LaGrange Road) at Joliet Road – Phase II
Client: Illinois Department of Transportation
QC/QA reviewer responsible for the quality of Phase II final engineering plans and specifications for widening and reconstruction of the intersection of two arterial routes. The project included intersection improvements, storm sewers, traffic signal modernization, water main relocation, non-special waste and intersection lighting.

Illinois Route 56 – Phase II
Client: Illinois Department of Transportation
QC/QA reviewer responsible for the quality of Phase II final engineering plans and specifications for widening and reconstruction of 1.3 miles of a State Route. The project included intersection improvements and traffic signal modernization.

NPDES Water Quality Improvements
Client: Village of Barrington
Project designer responsible for the preparation of final engineering plans, specifications and cost estimates for a protective wall around existing brine tanks and the installation of three water quality units, per the Village NOI and Illinois EPA ILR-40 permit requirements.

Key Personnel

Bradley D. Hargett, P.E., P.L.S., CFM

Vice President

Mr. Hargett is a principal and Vice President of James J. Benes & Associates, with 26 years experience in location design studies, location drainage studies, engineering design, roadway and hydrologic surveys, materials testing and construction management. His assignments have included roadway, sanitary sewer, water main and drainage projects, as well as geometric studies, intersection design studies and drainage studies. Mr. Hargett's experience has included extensive coordination with public agencies, residents, civic organizations, utilities, and contractors during design and construction phases of a project. He is a member of the Illinois Association for Floodplain and Stormwater Management and a Director of the North Cook County Soil and Water Conservation District.

Education

BS, Civil Engineering Technology
Southern Illinois University
Carbondale, IL, 1991

Professional Registrations

Professional Engineer - WI

Professional Land Surveyor – IL

Certified Floodplain Manager - IL

Seminars/Workshops

Fundamentals of Geometric Design Workshop
Northwestern University

IDOT Documentation Seminar

Traffic Signal Actuation Workshop
Northwestern University

Fundamentals of Erosion & Sediment Control Workshop: IDOT & ICT

Design Module of Erosion & Sediment Control Workshop: IDOT & ICT

Experience

IL Route 19 Streetscape Enhancement Phase II Project – Phase II
Client: Village of Bensenville
Project manager responsible for Phase II preparation of final plans, specifications, cost estimates, and route/topographic surveys for 3,100 feet of streetscape enhancements along a State Route. The project consists of sidewalk, driveway, parkway, and ornamental street light improvements.

IL Route 19 Streetscape Enhancement Phase I Project – Phase II
Client: Village of Bensenville
Project manager responsible for Phase II preparation of final plans, specifications, cost estimates, and route/topographic surveys for 2,600 feet of streetscape enhancements along a State Route. The project consists of sidewalk, driveway, parkway, and ornamental street light improvements.

2014 Volk Brothers CBDG Project – Phase II
Client: Village of Bensenville
Project manager responsible for Phase II preparation of final plans, specifications, cost estimates, and route/topographic surveys for reconstruction of 1,500 lineal feet of residential street and 1,600 feet water main improvements. The project consisted of curbs and gutter, storm sewers, sidewalks, driveway aprons, and parkway restoration. Stormwater detention was provided in the proposed storm sewers and water main replacement. The project was funded with CBDG funds.

2013 Volk Brothers CBDG Project – Phase III
Client: Village of Bensenville
Project manager responsible for preparation of final plans, specifications engineering services for reconstruction of 1,400 lineal feet of residential street and 2,100 feet water main improvements. The project consisted of curbs and gutter, storm sewers, sidewalks, driveway aprons, and parkway restoration. Stormwater detention was provided in the proposed storm sewers and water main replacement. The preojectwas funded with CBDG funds.

Seminars (continued)

HEC-HMS Hydrologic Modeling Training, MWRDGC & CBBEL

MWRD Watershed Management Ordinance Training MWRDGC & CBBEL

HEC-RAS Seminar IDOT & ASCE

HEC-HMS & HEC RAS User Group Workshop IAFSM

Location & Environmental Studies Workshop IDOT

Phase I Process Overview Workshop IDOT

IDOT ICORS 2011 Training Seminar

2017 Residential Street Lighting Project – Phase II
Client: Village of Bensenville
Project manager responsible for Phase II preparation of final plans, specifications, cost estimates, and route/topographic surveys for a CBDG funded street lighting improvements project along 7,000 of residential streets throughout the Village. The project consists of ornamental street light improvements, sidewalk and driveway patching, and parkway restoration.

Irving Park Road Water Main and Culvert Replacement – Phase II
Client: Village of Bensenville
Project manager responsible for Phase II design engineering services for 1,100 feet water main improvements and box culvert replacement along a State Route. The project consisted of water main replacement, box culvert replacement, storm sewer installation, driveway and sidewalk removal, pavement patching, curb and gutter replacement, and pavement markings.

MacGregor Road/North Street Improvements – Phase I, II, III
Client: City of Lockport
Project manager responsible for Phase I preliminary design, Phase II preparation of final plans, specifications and cost estimates, Phase III construction management, and route/topographic survey of a federally funded improvement for roadway widening, reconstruction and resurfacing of 4,100 of an urban collector roadway. The project consists of curb and gutter, storm sewers, sidewalks, driveways, and parkway restoration.

2017 Roadway Reconstruction Project – Phase II
Client: City of Lockport
Project manager responsible for Phase II preparation of final plans, specifications, cost estimates, and route/topographic surveys of a roadway widening and reconstruction, drainage, and water main improvement project along 2,900 of residential streets. The project consists of curb and gutter, storm sewers, sidewalks, driveways, and parkway restoration.

Winchester Avenue Sidewalk Project – Phase I, II, III
Client: Village of Lisle
Project manager responsible for Phase I preliminary design, Phase II preparation of final plans, specifications and cost estimates, Phase III construction management, and route/topographic survey of a federally funded improvement for 1,800 feet of sidewalk along a residential street. The project included segmental block retaining wall, new concrete sidewalk, landscape restoration.

Pine Hill Water Main Replacement – Phase II & III
Client: Village of Lisle
Project manager responsible for Phase II & III design and construction engineering services for 3,300 feet water main improvements within a residential subdivision. The project consisted of water main replacement, driveway and sidewalk replacement, pavement patching, pavement markings, and parkway restoration.

IL Route 7 Sidewalk Improvements – Phase I, II, III
Client: City of Lockport
Project engineer responsible for Phase I preliminary design, Phase II preparation of final plans, specifications and cost estimates, Phase III construction management, and route/topographic survey for a federally funded improvements of 5,200 feet of PCC sidewalk along Illinois Route 7. The project includes major culvert extension, pavement patching, concrete curb and gutter, driveway apron replacement, structure adjustments and pavement striping in accordance with the Standard Specifications for Road and Bridge Construction and IDOT's quantity documentation requirement for a federally funded project.

Illinois Route 132 Improvements – Phase II
Client: Illinois Department of Transportation
Project manager responsible for Phase II engineering and survey services for a $13.0 million widening and resurfacing of 2.0 miles of a State Route. The project includes pavement widening and resurfacing, traffic signal modernization, storm sewers, stormwater detention, and hazardous/special waste removal.

US 12/20/45 (LaGrange Road) at Joliet Road – Phase II
Client: Illinois Department of Transportation
Project manager/engineer responsible for Phase II preparation of plans, specifications, estimates, and survey coordination for the widening and reconstruction of an intersection of two arterial routes. The project included intersection improvements, storm sewers, traffic signal modernization, and intersection lighting.

IL Route 31/IL Route 176 Intersection Improvements – Phase II
Client: Illinois Department of Transportation
Project engineer responsible for Phase II preparation of final plans, specifications, cost estimates, and survey coordination for pavement widening and reconstruction at the intersection of two State Routes. The project includes added through and turn lanes, storm sewers, and storm water detention.

Illinois Route 56 Improvements – Phase II
Client: Illinois Department of Transportation
Project engineer responsible for Phase II final design and preparation of final plans, specifications and cost estimates for widening and reconstructing 1.3 miles of Illinois Route 56. The improvement included storm sewers, traffic signal replacements, a bicycle path, stormwater detention and hazardous/special waste removal.

McDonough Street Improvements – Phase II
Client: Will County Division of Transportation
Project manager/engineer responsible for Phase II preparation of final plans, specifications and cost estimates for a MFT funded roadway reconstruction project along a County Highway. The project included reconstruction from a rural section to urban section of approximately one mile of three-lane roadway, street lighting installation, and traffic signal replacement.

Key Personnel

Steve J. Gidley, P.E.

Senior Associate

Mr. Gidley is a senior project engineer with 41 years experience in engineering design, plan review and construction inspection. His assignments have included roadway, traffic signal, water main and drainage projects and plan reviews. He is a member of the Illinois Association for Stormwater and Floodplain Management.

Education

BS, Civil Engineering
University of Colorado
Boulder, CO, 1976

Documentation of Contract Quantities IDOT, 2015

IDOT Rehabilitating Urban Streets Seminar IDOT, 2000

Traffic Signal Design Seminar IDOT & CECI, 1999

Stormwater Best Management Practices Seminar
ASCE

TR20 Hydrologic Modeling Seminar
ASCE

Flood Plain Management and Letters of Map Amendment Seminar
IASFM

Professional Registrations

Professional Engineer - IL

Experience

Review Services
Client: City of Lockport
Project engineer responsible for engineering reviews and stormwater reviews for residential, commercial and industrial developments, to ensure conformance with City and Will County requirements. The City of Lockport has an in-house Engineering Department and Mr. Gidley provides the City Director of Engineering with flood plain, stormwater and civil engineering assistance.

Review Services
Client: Village of Lisle
Project engineer responsible for engineering reviews and stormwater reviews for single family homes and residential commercial and industrial developments, to ensure compliance with Village and DuPage County requirements. Mr. Gidley serves as the Village of Lisle's consulting village engineer. In addition to plan reviews, Mr. Gidley oversees Village inspections of private development construction, coordinates materials testing, prepares final punch lists, and makes recommendations for final Village acceptance and letter of credit reductions.

2017 Roadway Reconstruction Project – Phase II
Client: City of Lockport
Project engineer responsible for Phase II preparation of final plans, specifications, and cost estimates for a roadway widening and reconstruction, drainage, and water main improvements along 2,900 of residential streets. The project was locally funded and consists of curb and gutter, storm sewers, sidewalks, driveways, and parkway restoration.

Illinois Route 7 Sidewalk Improvements – Phase II
Client: City of Lockport
Project engineer responsible for Phase II final design and preparation of final traffic signal plans at two intersections along Illinois Route 7. The project consists of sidewalk 5,200 feet of sidewalk, major culvert extension, driveways, parkway restoration, and traffic signal modifications to accommodate pedestrians.

Pleasantdale Water Main Improvements
Client: Village of Woodridge
Project engineer responsible for the preparation of final plans, specifications and cost estimates for construction of 6,300 feet of water main through established residential neighborhoods. The project consisted of water main installation, driveway replacement, pavement patching, and parkway restoration.

2013 Woodland Avenue Reconstruction
Client: Village of Western Springs
Project engineer responsible for preparation of final plans, specifications engineering services for reconstruction of 1,200 lineal feet of residential street and 1,300 feet of water main improvements. The project consisted of complete pavement reconstruction with PCC pavement, sidewalks, curb and gutters, driveway aprons, water main replacement, sanitary sewer spot repairs, storm sewer construction, and parkway restoration.

2015 & 2016 Resurfacing Projects – Phase II
Client: Village of Western Springs
Project engineer responsible for preparation of plans, specifications and cost estimate of the resurfacing of 6,600 feet (2015) and 6,500 (2016) feet of residential streets. Both projects also included drainage improvements to miscellaneous localized drainage problems.

Illinois Route 132 Improvements – Phase II
Client: Illinois Department of Transportation
Project engineer responsible for preparation of final engineering maintenance of traffic plans for widening and resurfacing of 2.0 miles of a State Route. The project includes pavement widening and resurfacing, traffic signal modernization, storm sewers, stormwater detention, and hazardous/special waste removal.

US 12/20/45 (LaGrange Road) at Joliet Road – Phase II
Client: Illinois Department of Transportation
Project engineer responsible for preparation of final engineering maintenance of traffic plans for the widening and reconstruction of an intersection of two arterial routes. The project included intersection improvements, storm sewers, traffic signal modernization, and intersection lighting.

Illinois Route 31 at Illinois Route 176 – Phase II
Client: Illinois Department of Transportation
Project engineer responsible for preparation of final engineering maintenance of traffic plans for widening and reconstruction of 1.4 miles of a State Route.

Janes Avenue & Center Street Traffic Signal Modernization – Phase I, II & III
Client: Village of Woodridge
Project engineer responsible for Phase I preliminary design, Phase II final design and preparation, and Phase III construction management of final traffic signal and interconnect plans, and construction observation at three intersections along an urban collector and arterial roadway.

Key Personnel

Daniel H. Schoenberg, P.E.

Project Engineer

Mr. Schoenberg is a senior project engineer with 46 years experience in engineering design, plan review and construction inspection. His assignments have included roadway, traffic signal, water main and drainage projects and stormwater management reviews for residential, commercial and industrial developments.

Education

BS, Civil Engineering
Lehigh University
Bethlehem, PA 1971

MS, Civil Engineering
Purdue University
West Lafayette, IN 1972

APWA National Conferences

IL Transportation & Highway Engineering Conferences

Stormwater Management & Sediment Control Seminar

Original and Current Member of the DuPage County Municipal Engineers Workgroup

Professional Registrations

Professional Engineer – IL
Professional Engineer – NJ

Kane County Engineer Review Specialist (#E-241)

Experience

Review Services
Client: Village of Western Springs
Project engineer responsible for engineering reviews and stormwater management reviews for single family homes and residential developments.

Review Services
Client: City of Elmhurst
Project engineer responsible for stormwater management reviews for residential, commercial and industrial developments requiring detention or impacting Special Management Areas.

Traffic Review Services
Client: Glenview, Glen Ellyn and Woodridge
Project engineer responsible for preparation of traffic studies and performing traffic reviews for proposed residential, commercial and industrial developments; as well as analyzing existing traffic patterns.

Review Services
Client: Village of Hinsdale
Project engineer responsible for engineering reviews and stormwater management reviews for single family homes and residential developments.

Director of Public Services
Employer: Village of Hinsdale
Director of Public Services and Village Engineer, responsible for public works, sewer and water, engineering, planning, code enforcement, and building maintenance programs. He administered stormwater management reviews for single family home replacement (teardowns) which eventually has replaced one third of the houses in the Village. He was also responsible for several municipal drainage improvements, road projects and park development programs.

East Commuter Platforms
Client: Village of Western Springs
Project engineer responsible for preparation of final plans, specifications and cost estimates for reconstruction of METRA commuter platforms in a central business district. The improvements include decorative lighting, water features, brick paver sidewalks and landscape elements. The project required coordination with the landscape architect, several subconsultants, METRA and the BNSF railroad.

Ravinia Water Feature
Client: Ravinia Festival Association
Project engineer responsible for preparation of final plans, specifications and cost estimates for construction of a water feature and decorative lighting at the entrance to a pedestrian tunnel under the Union Pacific Railroad. The project included extensive coordination with the landscape architect, several subconsultants, the Union Pacific Railroad and the City of Highland Park.

Key Personnel

Brian Gilmore, P.E.

Project Engineer

Mr. Gilmore is a project engineer with 10 years experience in engineering design and inspection, and plan review. His assignments have included roadway, water main, and drainage design projects, as well as geometric studies, intersection design studies and drainage studies. Mr. Gilmore's experience has included coordination with public agencies, residents, utilities, and contractors during design and construction phases of a project.

Education

BS, Civil Engineering
Valparaiso University
Valparaiso, IN 2007

IDOT Documentation
Seminar 16-11842

Illinois Fundamentals of
Geometric Design
Northwestern University

Fundamentals of Erosion &
Sediment Control
Workshop: IDOT & ICT

Design Module of Erosion
& Sediment Control
Workshop: IDOT & ICT

AGi32 Intermediate
Roadway Lighting Seminar
AGi32 Lighting Software

Professional Registrations

Professional Engineer - IL

Kane County Engineer
Review Specialist (#E-242)

Experience

IL Route 19 Streetscape Enhancement Phase II Project – Phase II
Client: Village of Bensenville
Project engineer responsible for Phase II preparation of final plans, specifications and cost estimates for 3,100 feet of streetscape enhancements along a State Route. The project consists of sidewalk, driveway, parkway, and ornamental street light improvements.

MacGregor Road/North Street Improvements – Phase I, II, & III
Client: City of Lockport
Project engineer responsible for Phase I preliminary design and Phase II preparation of final plans, specifications and cost estimates, and Phase III construction management of a federally funded improvement for roadway widening, reconstruction and resurfacing of 4,100 of an urban collector roadway. The project consists of curb and gutter, storm sewers, sidewalks, driveways, and parkway restoration.

2017 Roadway Reconstruction Project – Phase II
Client: City of Lockport
Project engineer responsible for Phase II preparation of final plans, specifications, cost estimates, and route/topographic surveys for a roadway widening and reconstruction, drainage, and water main improvements along 2,900 of residential streets. The project was locally funded and consists of curb and gutter, storm sewers, sidewalks, driveways, and parkway restoration.

IL Route 7 Sidewalk Improvements – Phase I, II, III
Client: City of Lockport
Project engineer responsible for Phase I preliminary design, Phase II preparation of final plans, specifications and cost estimates, Phase III construction management, and route/topographic survey for a federally funded improvements of 5,200 feet of PCC sidewalk along Illinois Route 7. The project includes major culvert extension, pavement patching, concrete curb and gutter, driveway apron replacement, structure adjustments and pavement striping in accordance with the Standard Specifications for Road and Bridge Construction and IDOT's quantity documentation requirement for a federally funded project.

2017 Residential Street Lighting Project – Phase II
Client: Village of Bensenville
Project engineer responsible for Phase II preparation of final plans, specifications, cost estimates, and route/topographic surveys for a CBDG funded street lighting improvements project along 7,000 of residential streets throughout the Village. The project consists of ornamental street light improvements, sidewalk and driveway patching, and parkway restoration.

Illinois Route 132 Improvements – Phase II
Client: Illinois Department of Transportation
Project engineer responsible for Phase II engineering services for a $13.0 million widening and resurfacing of 2.0 miles of a State Route. Mr. Gilmore worked on plan and specification preparation, field checks, quantity take offs and cost estimates. The project includes pavement widening and resurfacing, traffic signal modernization, storm sewers, stormwater detention, and hazardous/special waste removal.

US Routes 12/20/45 LaGrange Road – Phase II
Client: Illinois Department of Transportation
Project engineer responsible for roadway design for the widening and resurfacing of the LaGrange Road intersection with Joliet Road in Countryside and Hodgkins. Mr. Gilmore worked on plan finalization, field checks, quantity take offs and cost estimates. The project included curb and gutter removal and replacement, HMA pavement widening, storm sewers, street lighting, traffic signals, sidewalks and landscape restoration.

IL Route 31 at IL Route 176 – Phase II
Client: Illinois Department of Transportation
Project engineer responsible for roadway design for the roadway reconstruction and traffic signal modernization of two SRA routes in McHenry County. The proposed improvement included roadway realignment and elimination of a fifth leg at the intersection. Mr. Gilmore worked on plan finalization, field checks, quantity take offs and cost estimates. The project included curb and gutter removal and replacement, full depth HMA pavement, storm sewers, stormwater detention, traffic signals, sidewalks and landscape restoration.

Weber Road Phase I Study
Client: Will County Division of Transportation
Project engineer responsible for Phase I geometric design of a federally funded improvement for the roadway widening, reconstruction and realignment of a 2.0 mile Strategic Regional Arterial highway. Mr. Gilmore worked on horizontal and vertical alignments, intersection design studies, capacity analysis, needed right of way determination, quantity take offs and cost estimates. The project includes widening from four lanes to six with a barrier median, traffic signal replacement and modernization, storm sewers, stormwater detention, cross culverts replacement, wetland and floodplain encroachment mitigation, and potential noise mitigation

2014 Reconstruction Project – Phase II
Client: Village of Hinsdale
Project engineer responsible for Phase II design and preparation of final plans, specification, and cost estimate for pavement reconstruction of 5,900 feet of residential streets. The project included sidewalks, water main replacement, sanitary sewer replacement, and storm sewer construction.

Winchester Avenue Sidewalk Project – Phase I & II
Client: Village of Lisle
Project engineer responsible for Phase I preliminary design, Phase II preparation of final plans, specifications and cost estimates, and route/topographic survey of a federally funded improvement for 1,800 feet of sidewalks along a residential street. The project included segmental block retaining wall, new concrete sidewalk, landscape restoration.

Ogden Avenue (US Route 34) Sidewalk Project – Phase III
Client: Village of Lisle
Project engineer responsible for Phase III construction management for the federally funded improvement of pproximately 1,600 feet of sidewalk along Ogden Avenue (US Route 34) from Yackley Avenue to Schwartz Avenue. The project also includes traffic signal modifications at the intersection of Ogden Avenue at Schwartz Avenue to accommodate pedestrian, segmental block retaining wall, new concrete sidewalk, landscape restoration.

Janes Avenue & Center Street Traffic Signal Modernization – Phase III
Client: Village of Woodridge
Project engineer responsible for Phase III construction management of a federally funded improvement for traffic signal modernization and interconnection at three intersections along an urban collector and arterial roadway. The project consists of curb and gutter, sidewalk modification to conform to current ADA requirements, and driveway and parkway restoration.

Key Personnel

Lynn A. Kroll, P.E., CFM

Project Engineer

Ms. Kroll is a project engineer with 14 years of experience in stormwater and drainage engineering design, plan review and construction inspection. Her assignments have included drainage analyses and design including hydrologic and hydraulic analyses; storm sewer, ditch, culvert and detention; bridge opening analysis at floodplain/floodway crossings, compensatory storage, and IDNR Floodway Permit coordination.

Education

BS, Civil Engineering
Marquette University
Milwaukee, WI, 1991

IDOT Phase I Training,
ACEC-IL

Professional Registrations and Affiliations

Professional Engineer – IL

Kane County Engineer Review Specialist (#E-247)

Certified Floodplain Manager, IL-08-00388

Illinois Association of Floodplain and Stormwater Management – Member

APWA/Chicago Metro - Member

Other

Prepared and presented "Fundamentals of Drainage" class to IDOT employees statewide

Experience

Weber Road (C.H. 88) Phase I Study
Client: Will County Department of Highways

Project engineer responsible for performing drainage and hydraulic analyses and for preparation of a Location Drainage Study and Hydraulic Reports. The project involves floodplain, floodway, three culvert crossing replacements including dual 4'x10' box culverts, a 4'x6' box culvert and triple 36" diameter culverts. This project is a federally funded 2.01 mile widening and realignment of a Strategic Regional Arterial.

Drainage & Stormwater Engineering Services
Client: DuPage County DOT

Project engineer responsible for reviews, calculations, modeling and reports related to stormwater permitting for roadway developments in DuPage County. The DuPage County Division of Transportation (DOT) has several outstanding permits with the DuPage County Department of Economic Development and Planning (EDP) for roadway projects which have been completed. Ms. Kroll is responsible for coordination with EDP staff to identify remaining stormwater issues, perform calculations and develop solutions to resolve those issues, and prepare a final report to document DOT compliance with the permit requirements; thus allowing EDP staff to close out the permits.

Municipal Stormwater Management Reviews
Clients: City of Elmhurst

Project engineer responsible for engineering and stormwater reviews related to permitting for single family homes and commercial and industrial developments in the City of Elmhurst. The City of Elmhurst has in-house engineering staff and Ms. Kroll assists municipal staff with the review of proposed development and its impact to regulatory flood plains; including the review of flood plain modeling and coordination with DuPage County staff, to ensure compliance with the County stormwater ordinance.

Webster Avenue Basin Study
Client: City of Elmhurst

Project engineer responsible for preparing preliminary plans and a stormwater feasibility study related to localized flooding in a residential neighborhood. The neighborhood is adjacent to an existing IDOT stormwater storage basin which provides some relief but cannot hold sufficient runoff from large storms to prevent flooding of nearby streets and homes. Ms. Kroll is responsible for reviewing existing stormwater modeling, modifying the modeling as required, and preparing preliminary plans and cost estimates for expansion of the storage facility. She is also responsible for coordination with the Illinois Department of Transportation and the City of Elmhurst.

Municipal Stormwater Management Reviews
Client: Village of Woodridge

Project engineer responsible for engineering and stormwater reviews related to permitting for single family homes and residential, commercial and industrial developments in the Village of Woodridge. The Village of Woodridge has in-house engineering staff and Ms. Kroll assists municipal staff with the review of proposed development and its impact to regulatory flood plains; including the review of flood plain modeling and coordination with DuPage County staff, to ensure compliance with the County stormwater ordinance.

Illinois Department of Transportation

Ms. Kroll served as an engineer in the Bureau of Programming, Hydraulics Section, preparing and reviewing Hydraulic Reports and Location Drainage Studies. Her tasks included the review of consultant-prepared reports and waterway information tables for bridges and culverts. She also performed scour analyses, prepared in-house drainage studies and hydraulic reports, and designed storm sewers, ditches and culverts associated with State roadway improvements.

As a Supervisor of the Consultant Drainage Unit, Ms. Kroll was responsible for managing and training staff engineers involved in the review of runoff calculations, storm sewer and culvert design, detention storage, bridge opening analysis at floodplain / floodway crossings, compensatory storage, IDNR floodway permit coordination and right-of-way determination. She also managed contracts, budgets and schedules. She coordinated drainage designs with local agencies, and ensured that proposed improvements were designed in accordance with IDOT policies and procedures.

Key Personnel

David A. Koldoff, CPESC

Director of Natural Resources

Mr. Koldoff has a strong background in land-use planning and environmental consulting and has completed several hundred projects in DuPage County involving site development and stormwater permitting. With 24 years of experience, he has successfully completed projects in each DuPage County municipality, including approximately 50 projects in Downers Grove. Mr. Koldoff has managed stormwater-related projects on behalf of DuPage County DOT and DEC, and the Forest Preserve District. Most projects have involved impact analysis and project permitting for natural resources (including wetlands), and have involved state and federal agencies (IDNR, IEPA, IDOT, IHPA, NRCS, SWCD, and ACOE). He has extensive expertise in Best Management Practice (BMP) design and streambank stabilization. Mr. Koldoff is an ISA-Certified Arborist, a Certified Wetland Specialist, and a Certified Professional in Erosion and Sediment Control (CPESC).

Education& Registrations:

Bachelor of Science, Environmental Biology Eastern Illinois Univ.1993

CPESC (#4509)

Institute of Wetland and Environmental Education and Research

Kane County Wetland Review Specialist (#W-011)

Lake County Certified Wetland Specialist (#C-016, and Designated Erosion Control Inspector (DECI)

ISA –Arborist (IL-4729A)

Special Assignments:

The Morton Arboretum Research Dept (Intern) and Collections Dept., 1993

Wetland Training Inst. 1995

Experience:

Wetland and Wildlife Services

Client: Forest Preserve District of DuPage County

Project manager responsible for evaluation of wildlife habitat, floristic quality, threatened/endangered species, and water resources. Representative projects include: Springbrook Prairie Regional Trail; Springbrook Prairie Wetland Bank; Deep Quarry Lake Fishery Improvement; Herrick Lake Pedestrian Pathway; Blackwell Facility Expansion; McDowell Woods Pedestrian Trail, Pratt Wayne Woods/Brewster Creek Wetland Initiative; Danada Visitor Garden; Danada Headquarters Visitor Center; Danada Wetland Bank; and Hidden Lake Pedestrian Trail.

DuPage County Department of Environmental Concerns

Supervisor for team of ecologists working on mitigation monitoring sites at various locations throughout the County. Coordinated schedule and logistics with County staff on approximately 50 sites.

DuPage County Division of Transportation (Various Projects)

Review and preparation of wetland submittals and supportive documentation in conjunction with administration of county and municipal stormwater and floodplain ordinance. Completed various roadway projects in Downers Grove including: Highland Avenue; 75th Street; and Fairview Avenue.

Cantera Industrial Park

Client: LaSalle Partners

Participated in the development and implementation of a comprehensive erosion and sediment control program; supervised staff for three-season monitoring of waterfowl in 40-ac wetland complex; completed fish stocking program; and monitored vegetation establishment. Prepared reports and facilitated ACOE approvals.

Special Assignments (cont.)

Prescription Burning, Public Presentation, Kennedy Group, 1998

ASLA Native Plant Restoration Series, 2000

DuPage County Hydric Soils Course, 2002

Designers and Specifiers Ground Control Workshop, 2005

Wetland Restoration Plan, Build, and Maintenance, 2001-2006

U.S. Green Building Consul LEED Seminar 2006

ASFSM Conference 2006

Warrenville Environmental Advisory Commissioner 2007

Green Infrastructure for Clean Water, 2010

Chicagoland Water Resources Permitting Workshop, 2015

US EPA Update on the Clean Water Act, 2015

Illinois Endangered Species Update, 2016

Illinois Wetlands Law and Compliance, 2016

Illinois EPA MS4 Permit Requirements, 2016

Weber Road Phase I Study, Will Co. IL
Client: Will County Department of Transportation
Project manager responsible for wetland determination and delineations; preparation of Wetland Impact Evaluation; and tree inventories for roadway improvements along 2 miles of Weber Road (Strategic Region al Arterial) between 135th Street and Air Port Road.

Winchester Ave. Sidewalk Improvements, Lisle, IL
Client: Will County Department of Transportation
Project manager responsible for wetland determination and delineations; preparation of Wetland Impact Evaluation; IDNR EcoCAT submittal for threatened or endangered species; and USACE Regional Permit preparation for 0.34 mile of new sidewalk along Winchester Avenue between Middleton Avenue and Ogden Avenue.

High Speed Rail – Chicago to St. Louis, IL
Client: Illinois Department of Transportation
Conducted field investigations for T&E species, water resources, wetlands, and prairie remnants in areas of proposed project impact along a 280-mile long corridor; developed affected environmental consequences text on water resources including U.S. Waters and fish and aquatic habitat for four action alternatives for project Environmental Impact Statement (EIS).

Naperville River Walk Phase I Renovation (Seg. 2)
Client: City of Naperville
Arborist responsible for tree impact assessments resulting from proposed Riverwalk and Amphitheatre renovation, including bulkhead wall and retaining wall removal along a 400-foot section of the City of Naperville's renowned downtown Riverwalk.

Illinois Route 336, Macomb, IL
Client: Illinois Department of Transportation
Conducted Field investigations of wetlands, wildlife, and proposed wetland mitigation areas for proposed highway improvement project Environmental Impact Statement (EIS)

Thunderhawk Golf Course, Lake Co. IL
Client: Lake County Forest Preserve District
Project manager responsible for wetland and wildlife analysis, and Section 404 permitting for a 240-acre parcel of land for LCFPD's Audubon "Signature" design course.

Other Representative Projects:
Nike Park – Naperville Park District
Northside Park Lake Restoration – PEI/Wheaton Park District
Lyman Woods Streambank Restoration – Downers Grove P.D.
Salt Creek Restoration – Patrick Engineering/DuPage County DEC
DuPage River Trail – Plainfield Township Park District
Cantigny Park Re-development – Cantigny Foundation, Wheaton, IL
E. Highlands Subdivision Roads and Sidewalk – City of Naperville
Warrenville Road Permeable Pavers – Grant Procurement

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

Client#: 840812 JAMESJBE

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 8/01/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
USI Ins Srvcs LLC Euclid-Prof 2021 Spring Road, Suite 100 Oak Brook, IL 60523 312 442-7200	PHONE (A/C, No, Ext): 630 625-5247	FAX (A/C, No): 610 362-8900
	E-MAIL ADDRESS: asmaa.elewa@usi.com	

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : RLI Insurance Company	13056
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
James J. Benes and Associates, Inc.
950 Warrenville Rd Ste 101
Lisle, IL 60532

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY			PSB0001085	04/27/2017	04/27/2018	EACH OCCURRENCE	$1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$1,000,000
							MED EXP (Any one person)	$10,000
							PERSONAL & ADV INJURY	$1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$2,000,000
	POLICY X PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$2,000,000
	OTHER:							$
A	AUTOMOBILE LIABILITY			PSA0001014	04/27/2017	04/27/2018	COMBINED SINGLE LIMIT (Ea accident)	$1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS / X NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
A	X UMBRELLA LIAB X OCCUR			PSE0001020	04/27/2017	04/27/2018	EACH OCCURRENCE	$5,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$5,000,000
	DED RETENTION $							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N			PSW0001065	04/27/2017	04/27/2018	X PER STATUTE OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N	N / A					E.L. EACH ACCIDENT	$1,000,000
	(Mandatory in NH)						E.L. DISEASE - EA EMPLOYEE	$1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	$1,000,000
A	Professional Liability			RDP0029785	07/30/2017	07/30/2018	$1,000,000 per claim $2,000,000 annl aggr.	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Professional Liability is written on a 'claims made' policy form.

CERTIFICATE HOLDER

Village of Bensenville
12 S Center St
Bensenville, IL 60106

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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LITIGATION

As of January 1, 2012 to the present there are no lawsuits filed against James J. Benes & Associates concerning services rendered.

LIST OF REFERENCES

The following list provides a summary of clients and their agents for whom we have supplied professional engineering services.

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 West Center Court
Schaumburg, Illinois 60196-1096
Mr. Ken Eng, Bureau of Design
(847) 705-4247
Ms. Kim Harvey, Bureau of Design
(847) 705-4055

WILL COUNTY DEPARTMENT OF HIGHWAYS
16841 W. Laraway Road
Joliet, Illinois 60433
Mr. Jeff. L Ronaldson, County Engineer
(815) 727-8476

VILLAGE OF WESTERN SPRINGS
740 Hillgrove Avenue
Western Springs, Illinois 60558
Mr. Mathew Supert, Director of Municipal Services
(708) 246-1800

VILLAGE OF LISLE
1040 Burlington Avenue
Lisle, Illinois 60532
Mr. Jason Elias, Public Works Director
(630) 271-4171

CITY OF LOCKPORT
17112 S. Prime Boulevard
Lockport, Illinois 60441
Mr. Brent Cann, Director of Public Works
(815) 838-0549

VILLAGE OF HINSDALE
19 East Chicago Avenue
Hinsdale, Illinois 60521
Mr. Dan Deeter, Village Engineer
(630) 789-7039

CITY OF WARRENVILLE
3 S. 258 Manning Street
Warrenville, Illinois 60555
Ms. Kristine Hocking, Senior Civil Engineer
(630) 393-9050

VILLAGE OF WOODRIDGE
1 Plaza Drive
Woodridge, IL 60517
Mr. Chris Bethel, Director of Public Works
(630) 719-4753

K-PLUS ENGINEERING SERVICES

REQUEST FOR QUALIFICATIONS ESTABLISHMENT FOR SHORT-LISTS FOR CIVIL ENGINEERING SERVICES

OCTOBER 2017

OFFICE LOCATIONS
Hinsdale, IL
Chicago, IL
Michigan City, IN

312.207.1600
www.kplus.us

K-PLUS ENGINEERING SERVICES

CIVIL & ENVIRONMENTAL ENGINEERING

K-Plus Engineering Services provides more than exceptional engineering – we have been a partner and source of knowledge for public entities, private companies and municipalities across Illinois.

We provide a wide array of services for all types of projects, both large and small, including drainage/stormwater, transportation, sanitary, water main, environmental, land development and infrastructure improvement projects.

We deliver our clients cost-effective, long-term and efficient solutions anchored in:

- recommendations that consider the interconnectivity, usage and maintenance of the different infrastructure systems
- implementation schedules designed to reduce costs and eliminate inefficiencies
- research of funding opportunities in support of client priorities

CIVIL ENGINEERING

- Municipal Engineering
- Grant Identification & Submittal
- Plan & Specification Design
- Plan Review & Code Compliance
- Water Distribution & Treatment
- Reports, Studies & Investigations
- Construction Inspection & Documentation
- Program Management & Planning
- Permit Review, Preparation
- GIS Management
- Sanitary Sewer Engineering & I&I Compliance
- Transportation Engineering

ENVIRONMENTAL ENGINEERING

- Environmental Assessments
- Grant Identification & Submittal
- Soil & Groundwater Investigation
- Community Outreach & Education
- Wetland Identification
- Compliance
- Brownfield Redevelopment
- Program Management & Planning
- SRP/LUST Closure
- Green Infrastructure Design
- Asbestos & Lead Assessment/Abatement
- Cost Analysis

STORMWATER MANAGEMENT & DESIGN

- Community Outreach & Education
- Assessment & Impact Studies
- Report, Studies & Investigations
- Grant Identification & Submittal
- Improvement Designs & Permitting
- Green Infrastructure Design
- Flood Control & FEMA Map Revision
- Stormwater Modeling

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K-PLUS ENGINEERING SERVICES

QUALIFICATIONS

COMPANY LICENSES & CERTIFICATIONS

Illinois Professional Design Firm

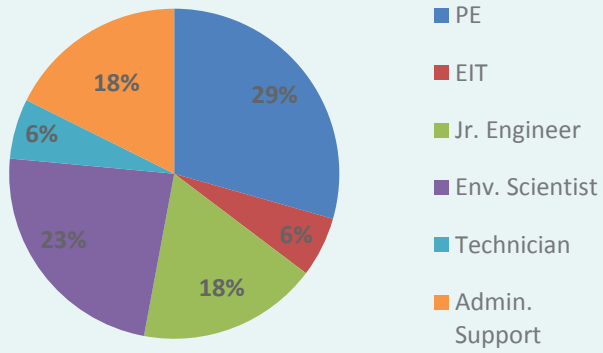
- License 184.007489

K-Plus Engineering IDOT Pre-Qualification

- Highways – Roads and Streets
- Special Services – Construction Inspection, Asbestos Abatement Services, Sanitary
- Special Studies – Feasibility, Traffic Signals, Safety, Location Drainage
- Hydraulic Reports – Waterways: Typical

OUR OFFICE LOCATIONS & STAFF

K-Plus has office locations in Hinsdale and Chicago, IL, with a third office located in Michigan City, IN. The K-Plus team consists of civil and environmental professional engineers, engineers-in-training, junior engineers, environmental scientists, a technician and administrative staff.



INDIVIDUAL LICENSES & CERTIFICATIONS

K-Plus staff has the following individual licenses, certifications, and training

- Professional Engineer
- Engineer In-Training
- CDB Project Manager Certificate
- Corrective Actions for Ground Water Contamination
- CTA Rail Safety Certification
- Erosion and Sediment Control Course 8-hour AIA Registered
- FHW-NHI NEPA Course Training 142005, 142052
- GIS Certificate
- HM-126F Safe HazMat Transportation Training
- IDOT – Construction Documentation of Contract Quantities Certificate
- IDOT Erosion and Sediment Control
- IDPH Licensed Building Inspector
- LUST Site Assessor
- Occupational Safety & Health for Construction Industry (OSHA 510)
- OSHA 40 Hour HazMat Training
- OSHA 8 Hour Hazardous Waste Training Refresher
- OSHA 8-hour On-site Management & Supervisor Training
- Radon Detection Services
- Registered Environmental Assessor
- Wetlands Specialist Certification

OFFICE LOCATIONS
Hinsdale, IL
Chicago, IL
Michigan City, IN

312.207.1600
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K-PLUS ENGINEERING SERVICES

VILLAGE OF BENSENVILLE

OUR APPROACH

The goal at K-Plus Engineering Services is to understand our clients' overall state of affairs. Our engineering solutions must solve the issue and remain in synchrony with the municipality's administration and goals, budget, capital improvement plan, infrastructure system and the municipality's residents.

ESTABLISH RELATIONSHIPS

Upon receiving a project proposal from the Village, K-Plus will select a Project Manager with the appropriate expertise to lead the project team. Although supported by a team, the PM will serve as the Village's single point of contact throughout the project and will be responsible for:

- Meeting with Village staff to:
  - gain an understanding of the assigned project as well as any projects that may be related
  - establish priorities and deadlines
  - identify a process for information flow within the team, to the Village Board and to residents
  - communicate the QA/QC process

- Becoming familiar with the municipality's strategy and understanding how this project impacts areas such as infrastructure planning, financial sustainability, and economic development

- Identifying the team of K-Plus specialists and any necessary sub-consultants to meet the project goals.
  - We have relationships with subcontractors in the areas of Geotechnical Engineering and Structures, Landscape Architects, and Surveying which would allow the Village to realize the benefit of having a Project Manager as a single point of contact while extending the type of specialty services available.

MAINTAIN RELATIONSHIPS

The K-Plus team selected for this RFQ has successfully worked together for municipalities throughout Chicagoland. We choose sub-contractors that have experience with our team. These working, synergistic relationships benefit the Village of Bensenville by providing:

- Consistent methodology across projects
- Maximum control over expenditures
- Flexibility to select engineers with experience commensurate with the project
- Cost-effective solutions utilizing team members with depth of specialty experience

K-PLUS ENGINEERING SERVICES

VILLAGE OF BENSENVILLE

K-Plus Engineering Services has elected to rank order the categories of work for this Request for Qualifications:
(1) Design Engineering (2) Resident Engineering and (3) Stormwater Engineering.

(1) DESIGN ENGINEERING

K-Plus Engineering Services has expertise in design engineering both large and small projects and knows that superior engineering design is the first necessary step for a successful project.

K-Plus Engineering adheres to the principle that design engineering encompasses more than engineering solutions, it requires coordination and communication with local, state and federal agencies and sometimes neighboring municipalities. The following are a few examples of this principal in action:

- We worked with the DuPage County Board regarding a potentially inaccurately identified wetland on behalf of a developer. The portion of the property in question was paramount to the developer having enough buildable space to meet regulations. We gathered the County Board, relevant municipality, developer and environmental consultant to address and solve the issue.

- Acting as a consultant, we reviewed proposed solutions for the Village of Glenwood regarding the flooding of a major roadway. We identified a unique solution that would solve the flooding and addressed the municipality's concerns about the impact on the school district area, the loss of a usable east-west connection and the potential economic loss that would occur if the project was too lengthy.

- Hired to study and solve the Village of Bellwood's flooding/stormwater issue, we identified that a permanent solution would require implementation within the Village of Hillside, which experienced a similar stormwater issue. We brought together the two municipalities, proposed a solution that encompassed both areas and assisted in negotiating the division of the cost of design and implementation.

- Widespread community support can play a role in the acquisition of CMAQ grant funding. In support of the Village of Willow Springs' submittal for a desired bike path, we secured letters of support from local, relevant non-profit organizations (Active Transit Alliance, Tower Racing, Illinois and Michigan Canal National Heritage Corridor, etc) and the impacted school districts on the municipality's behalf.

K-PLUS ENGINEERING SERVICES

VILLAGE OF BENSENVILLE

(1) DESIGN ENGINEERING – THE PROCESS

At the start of a project, we hold a scoping meeting to layout expectations, identify project goals, and establish the frequency, method and audience(s) for all communications. This helps us tailor projects to meet our client's specific needs and ensure their expectations are met.

Reviews are typically scheduled at the preliminary stage once layout is provided, a second pre-final review is used to begin addressing details, and a final review is utilized prior to sending a project out for construction. K-Plus also performs an internal Quality Assurance Quality Control (QA/QC) review prior to each submittal to ensure the highest quality of design is provided. Communication occurs throughout the design process and is provided through emails, phone calls, and/or in-person meetings.

Throughout the design process cost estimates are updated so that the Village will be kept apprised of cost impacts at all times.

- Our design process resulted in cost savings for the Village of Willow Springs when we compared their Road Capital Improvement Plan with the West Suburban Water Commission's upcoming Improvement Plans and discovered that in two years the WSWC was planning to replace a watermain on the same road the Village had identified for immediate repairs. We sequenced the work to fast-track the watermain improvement to the current year and followed it with the road improvement. Both parties realized cost savings since only one demolition and one restoration had to occur.

(2) RESIDENT ENGINEERING – THE PROCESS

Resident engineering services can be provided on a full or part time basis depending on the Village's needs. Prior to the construction kick-off meeting, K-Plus reviews the plans to familiarize ourselves with the project. The resident engineer will visit the site and document existing conditions with photographs and video to assist in determining whether a damage complaint is warranted.

Prior to construction, we require a kick-off meeting with the contractor to familiarize the contractor with the Village's expectations, ordinances, construction hours, communication expectations. We also provide the contractor with a single point of contact who is available during off hours. At this meeting we discuss project scope of work, highlight project specific items and outline pay request criteria, including the paperwork required and pay schedules.

K-PLUS ENGINEERING SERVICES

VILLAGE OF BENSENVILLE

(2) RESIDENT ENGINEERING – THE PROCESS (CON'T)

During construction, K-Plus documents all work with daily logs and photographs. Any cost issues identified in the field will be immediately communicated to the Village.

- While performing resident engineering for a Right-of-Way restoration, K-Plus identified that a cost savings of tens of thousands of dollars could be realized by the Village of Hinsdale if an adjustment was made to the limits of parkway work. The Village agreed with the assessment and the result was not only cost-savings, but a quicker restoration for the residents.

The on-site presence of K-Plus also allows residents to voice concerns which are notes and provided in writing to the Village. The Village can receive reports on a daily or weekly basis.

- During a stormwater improvement project in the Village of Willow Springs, the resident engineer visited 10 homes to personally discuss the impacts to these residents over the upcoming 3 weeks. His visit included an informational letter for reference.

As the project nears completion, a punchlist is generated identifying deficiencies and close-out documentation is prepared. Close-out documentation includes waivers, letters of guarantee, quantity balancing and letters of substantial and final completion.

(3) STORMWATER ENGINEERING – THE PROCESS

Stormwater projects begin similarly to a typical design project with the establishment of lines of communication, goals and objectives. Overall stormwater goals will be reviewed with the Village of Bensenville in addition to the project specifics. A few of the items covered at a kick-off meeting include:

1. Where is the area flooding?
2. What is the conveyance to the receiving waters?
3. What stormwater detention systems are in place?
4. Does the Village have historical documentation?
5. Can we work with residents to get additional information?
6. Is a public meeting desired?
7. What funding source is the project targeting?
8. Is there a specific stormwater model desired or can we recommend one?

K-PLUS ENGINEERING SERVICES

VILLAGE OF BENSENVILLE

(3) STORMWATER ENGINEERING – THE PROCESS (CON'T)

Stormwater reports are tailored to meet the requirements of the submittal's intended entity as well as address the Village's specific goals. K-Plus views the stormwater report as a document to be utilized by multiple Village departments as well as audiences such as the Metropolitan Water Reclamation District.

- K-Plus was contracted to provide a drainage report for the Village of Steger which was then immediately implemented by the Public Works department. The K-Plus team augmented the physical report with in-person meetings with the Public Works department to discuss the proposed improvements as well as the expected impact to other areas of the Village.
- After providing a drainage report for the Village of Crestwood, K-Plus prepared a submittal to the MWRD at no cost to the Village in order to obtain local assistance funding. The result was over $500,000 in engineering funding from the MWRD.

Throughout the stormwater engineering process a running cost estimate is kept and made available to the client. K-Plus can provide the Village tailored data such as structures impacted or benefit cost ratios. Prior to the conclusion of the project, K-Plus will discuss options on how to address drainage concerns, costs, property acquisition needs, and make recommendations for the Village of Bensenville to implement.

K-PLUS ENGINEERING SERVICES

EXPERIENCE

K-Plus Engineering Services is submitting for the categories of Design Engineering, Resident Engineering and Stormwater Engineering. The following table highlights some of our recent representative experience in these three categories. Detailed project summaries for each project is included in the subsequent pages.

PROJECT/CLIENT	**Ravine Avenue Watershed Drainage Improvement** **Village of Willow Springs**
Scope of Work Client POC	Design, Resident and Stormwater Engineering. Watershed Drainage Study to identify drainage concerns. Costs for recommendations were identified taking into account Village stormwater policies. Engineering design included MWRDGC submittal. Construction engineering completed the project./Bill Murray, Village Administrator, 708-891-8100
Project Team	Matthew Buerger, PE – Project Manager Jose Raya – Project Engineer
Construction Cost/Fee/Year	$209,346/ $29,346/ 2015
PROJECT/CLIENT	**Kean Avenue Forcemain** **Village of Willow Springs**
Scope of Work Client POC	Design and Resident Engineering. Replacement of a failing sanitary forcemain. Assistance on MWRDGC submittal. Construction oversight. /Bill Murray, Village Administrator, 708-891-8100
Project Team	Matthew Buerger, PE – Project Manager Jose Raya – Project Engineer Marilu Martinez – Project Engineer
Construction Cost/Fee/Year	$79,010/ $23,699/ 2015
PROJECT/CLIENT	**Roosevelt Road Drainage Basin Study** **Village of Willow Springs**
Scope of Work Client POC	Design and Stormwater Engineering. Two phase drainage study. Developed solutions, alternatives, cost estimates all within MWRDGC WMO./ Joseph Pisano, Public Works Director, 708-202-3434
Project Team	Matthew Buerger, PE – Project Manager Stephen Schuh, PE – Senior Engineer Jose Raya – Project Engineer Marilu Martinez – Project Engineer Andrew Thompson – Project Engineer
Construction Cost/Fee/Year	TBD/ $68,411/ TBD

K-PLUS ENGINEERING SERVICES

EXPERIENCE

K-Plus Engineering Services is submitting for the categories of Design Engineering, Resident Engineering and Stormwater Engineering. The following table highlights some of our recent representative experience in these three categories. Detailed project summaries for each project is included in the subsequent pages.

PROJECT/CLIENT	**North Hillside and Bellwood Drainage Study** **Villages of Hillside and Bellwood**
Scope of Work Client POC	Design and Stormwater Engineering. Drainage study to evaluate drainage system, site visits, flood alternatives and B/C ratio and feasbility. Included coordination of two municipalities for complete solution. /Joseph Tamburino, Mayor of Hillside, 708-202-3434 and Frank Pasquale, Mayor of Bellwood, 708-547-3500
Project Team	Matthew Buerger, PE – Project Manager Stephen Schuh, PE – Senior Engineer Marilu Martinez – Project Engineer
Construction Cost/Fee/Year	EST $40M/ $115,000/ TBD
PROJECT/CLIENT	**Cicero Ave STP ROW Improvements** **Village of Crestwood**
Scope of Work Client POC	Design Engineering. STP ROW enhancements including lighting, crossing signals. Required PISA and utilized STP funding /Lou Presta, Mayor, 708-371-4800
Project Team	Matthew Buerger, PE – Project Manager Arif Shaikh, PE – Senior Engineer Marilu Martinez – Project Engineer Andrew Thompson – Project Engineer
Construction Cost/Fee/Year	EST $1.2M/ $96,010/ TBD
PROJECT/CLIENT	**Metra Parking Lot** **Village of Willow Springs**
Scope of Work Client POC	Design, Resident and Stormwater Engineering. Analysis of parking lot based on cost and revenue potential. Worked with MWRDGC. Required drainage considerations. / Bill Murray, Village Administrator, 708-891-8100
Project Team	Matthew Buerger, PE – Project Manager Jose Raya – Project Engineer Marilu Martinez – Project Engineer
Construction Cost/Fee/Year	$345,674/ $51,041/ 2016

K-PLUS ENGINEERING SERVICES

EXPERIENCE

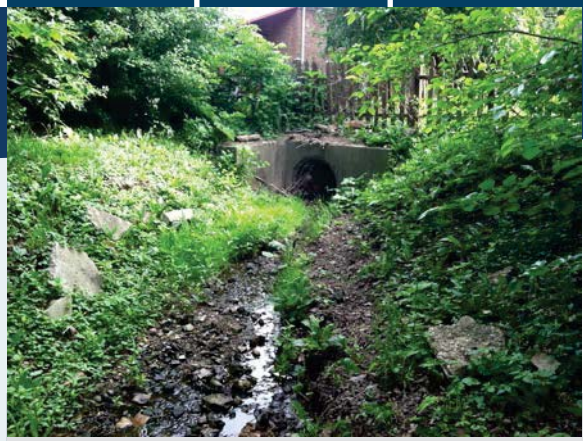
K-Plus Engineering Services is submitting for the categories of Design Engineering, Resident Engineering and Stormwater Engineering. The following table highlights some of our recent representative experience in these three categories. Detailed project summaries for each project is included in the subsequent pages.

PROJECT/CLIENT	**2014 – 2017 Annual Road Program** **Villages of Willow Springs**
Scope of Work Client POC	Design and Resident Engineering.Roadway engineering and construction services. Prepared plans and specifications. Construction oversight. Long-term planning. /Bill Murray, Village Administrator, 708-891-8100
Project Team	Matthew Buerger, PE – Project Manager Jose Raya – Project Engineer Marilu Martinez – Project Engineer
Construction Cost/Fee/Year	$997,675/ $90,790/ 2014 - 2017
PROJECT/CLIENT	**Steger Miller Woods Pavement Analysis and Drainage Study** **Village of Steger**
Scope of Work Client POC	Design and Stormwater Engineering. Pavement analysis, road classification, rehabilitation plan, drainage study./Dave Toepper, Director of Infrastructure, 708-755-0223
Project Team	Matthew Buerger, PE – Project Manager Stephen Schuh, PE – Senior Engineer Jose Raya – Project Engineer
Construction Cost/Fee/Year	EST $1.8M/ $29,690/ TBD
PROJECT/CLIENT	**Crestwood II/ Bremen Township Drainage** **Village of Crestwood**
Scope of Work Client POC	Design and Stormwater Engineering. Stormwater Study for flooding intersection. Recommended detention basin ./Louis Presta, Mayor, 708-371-4800
Project Team	Matthew Buerger, PE – Project Manager Stephen Schuh, PE – Senior Engineer Andrew Thompson – Project Engineer
Construction Cost/Fee/Year	EST $7.3M/ $87,567/ TBD

K-PLUS ENGINEERING SERVICES

CIVIL ENGINEERING | ENVIRONMENTAL ENGINEERING | STORMWATER MANAGEMENT & DESIGN

Ravine Avenue Watershed Drainage Improvement



K-Plus Engineering performed a watershed drainage study in 2012-2013 to examine identified drainage concerns for the Village of Willow Springs that resulted in the flooding of multiple streets.

The area of concern was the recipient of approximately 100 acres of stormwater runoff. K-Plus provided engineering consulting services for the Village by preparing a report detailing options to address drainage concerns for the small watershed area. The report incorporated stormwater modeling, Best Management Practices, analysis of existing conditions, analysis of options to address the concerns, and recommendations for future improvements.

In the report K-Plus identified costs of options and recommendations for the Village pertaining to stormwater policies. The report found that a culvert was undersized, evidence of substantial erosion, human factors, and the lack of an overflow route contributed to the drainage concern.

Upon completion of the report, the project moved into engineering design. During the design K-Plus assisted the Village by preparing a submittal for funding from the MWRDGC. The project was selected to be part of the 2013 local stormwater assistance projects.

K-Plus prepared engineering plans and specification and coordinated the MWRDGC funding of the project. With the impending winter, the project was phased into two projects. The fall projects addressed overland flow routes in an alley. The spring/summer project addressed sewer at the Willow Springs elementary school as well as undersized culverts and ditches.

K-Plus performed construction engineering for both the fall and spring/summer projects, providing daily documentation and construction oversight. K-Plus worked with the Village and contractors to ensure that the projects adhered to the criteria (set by the MWRDGC) to fund the construction.

CLIENT

Village of Willow Springs

REFERENCE

Brent Woods, Village Administrator

CATEGORIES

- Design Engineering
- Resident Engineering
- Stormwater Engineering

EXPERTISE PROVIDED

- Municipal Engineering
- Sewer & Drainage Consulting
- Grant Assistance
- Civil Engineering
- Construction Engineering

K-PLUS TEAM

- Matthew Buerger, PE
- Jose Raya

FUNDING

- Local
- MWRDGC

OFFICE LOCATIONS
Hinsdale, IL
Chicago, IL
Michigan City, IN

312.207.1600
www.kplus.us

K-PLUS ENGINEERING SERVICES

CIVIL ENGINEERING | ENVIRONMENTAL ENGINEERING | STORMWATER MANAGEMENT & DESIGN

Kean Avenue Forcemain



K-Plus Engineering performed engineering design and construction services for the replacement of a failing sanitary forcemain in the Village of Willow Springs.

As part of the scope of work K-Plus conducted site visits, reviewed construction reports and prepared plans, specifications, and bid documents for the project. The construction included installation of approximately 2,140 lineal feet of a 4-inch Polyvinyl Chloride (PVC) C-900 pipe from a lift station to a sanitary manhole located east of the lift station. The proposed improvement will seek to reduce and eliminate any potential impacts to public health, maintenance needs of the forcemain, and infiltration and inflow burden to the existing systems.

K-Plus also provided assistance to the Village on the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC) RFI permit submittal. K-Plus provided construction documentation for the Village and oversaw the work of the contractor by conducting daily field measurements, documentation of construction progression, field calculations, and field reports.

K-Plus worked directly with the contractor on behalf of the Village processing all pay requests, insurance documents, performance bonds, change orders, and coordinated final project close-out.

CLIENT

Village of Willow Springs

REFERENCE

Brent Woods, Village Administrator

CATEGORIES

- Design Engineering
- Resident Engineering

EXPERTISE PROVIDED

- Municipal Engineering
- Sanitary Engineering
- Construction Management
- Coordination with MWRD

K-PLUS TEAM

- Matthew Buerger, PE
- Marilu Martinez
- Jose Raya

FUNDING

- Local

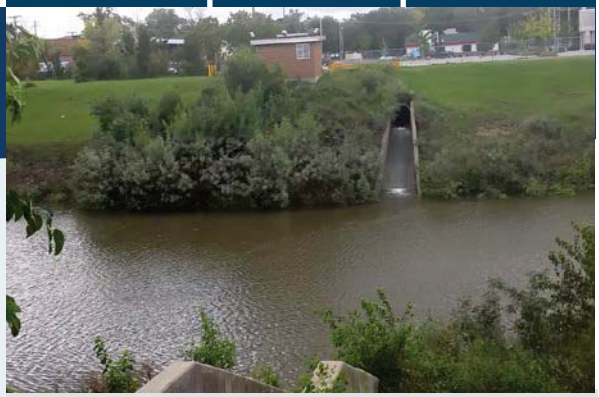
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K-PLUS ENGINEERING SERVICES

CIVIL ENGINEERING | ENVIRONMENTAL ENGINEERING | STORMWATER MANAGEMENT & DESIGN

Roosevelt Road Drainage Basin Study



K-Plus Engineering conducted a two phase project regarding stormwater management in the Village of Hillside. The first phase consisted of an investigation of existing drainage conditions along Roosevelt Road between the Tri-State Tollway and Mannheim Rd. The investigation aimed to identify potential sources causing floods in the area during normal and heavy volume rainfall events. The obtained results were compiled in a report of findings and presented to the Village of Hillside.

The second phase of the project included a hydrologic and hydraulic study of the area to determine best potential solutions based on the report. This phase of the project involved development of solutions, analysis of proposed alternatives, recommendation of alternatives, preparation of cost estimates and benefit-cost analysis. Alternatives were analyzed using Hydrologic Engineering Center-Hydrologic Modeling System (HEC-HMS) and the results were reviewed and evaluated to determine the most feasible and efficient alternative to eliminate flooding of the area near Oak Ridge Ave. The project successfully adhered to flood control guidelines set by the Metropolitan Water Reclamation District of Greater Chicago including the new Watershed Management Ordinance.

CLIENT

Village of Hillside

REFERENCE

Joseph Pisano, Public Works Director

CATEGORIES

- Design Engineering
- Stormwater Engineering

EXPERTISE PROVIDED

- Municipal Engineering
- Village Engineer
- Stormwater Engineering
- Stormwater Design
- Stormwater Management Consulting
- Stormwater Pollution Prevention Planning

K-PLUS TEAM

- Matthew Buerger, PE
- Stephen Schuh, PE
- Jose Raya
- Marilu Martinez
- Andrew Thompson

FUNDING

- Local
- MWRDGC

OFFICE LOCATIONS
Hinsdale, IL
Chicago, IL
Michigan City, IN

312.207.1600
www.kplus.us

K-PLUS ENGINEERING SERVICES

CIVIL ENGINEERING | ENVIRONMENTAL ENGINEERING | STORMWATER MANAGEMENT & DESIGN

North Hillside & Bellwood Drainage Study



K-Plus Engineering performed a study of the existing drainage conditions for the Village of Bellwood and northern Village of Hillside. The primary goal of the study was to identify and locate flood sources.

The scope of project included evaluation of the existing drainage system, site visits, flood alternatives, evaluation and recommendation of alternatives, cost estimate, benefit-to-cost (B/C) ratio and feasibility. Hydrologic Engineering Center-Hydrologic Modeling System (HEC-HMS) software was used for modeling of current conditions and proposed alternatives.

Upon completion of the investigation, K-Plus prepared a report of findings to be presented to the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC). The project adhered to flood control guidelines specified by the MWRDGC including the new Watershed Management Ordinance (WMO). The main alternative presented an alternate location for a regional detention basin. The alternate location provided similar benefits with less storage volume needed and at lower construction costs.

The MWRDGC has acquired the property and design is nearing completion. The project is slated for a fall 2017 letting.

CLIENTS

Village of Bellwood
Village of Hillside

REFERENCES

Joseph Tamburino, Mayor of Hillside
Frank Pasquale, Mayor of Bellwood

CATEGORIES

- Design Engineering
- Stormwater Engineering

EXPERTISE PROVIDED

- Stormwater Engineering
- Stormwater Engineering
- Stormwater Management Consulting
- MWRDGC Coordination

K-PLUS TEAM

- Matthew Buerger, PE
- Stephen Schuh, PE
- Marilu Martinez

FUNDING

- Local: Two Municipalities

OFFICE LOCATIONS
Hinsdale, IL
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K-PLUS ENGINEERING SERVICES

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Cicero Ave STP ROW Improvements



The Village of Crestwood hired K-Plus Engineering to evaluate right-of-way enhancements along Cicero Avenue from 128th Street to 143rd Street and identify improvements that would benefit the residents and align with Village priorities.

The goal of the STP ROW enhancements was to match the Cicero Avenue improvements that were in development from I-294 to Midway Airport, delivering an improved and continuous look which would tie the corridor together.

The enhancements recommended were to update the lights to LED, improve driveway aprons and sidewalks, provide pedestrian crossing signals, and include landscape beautification along the commercial corridor. The addition of a sidewalk benefitted both the Village residents and neighboring residents as it provided a connection to the Cal-Sag Trail System.

K-Plus worked with the Village in preparing preliminary engineering and exhibits detailing the improvements.

K-Plus performed an environmental study, a Preliminary Environmental Site Assessment (PESA). This assessment included a desktop review and site investigation for any potential environmental threats/issues within the project limits. Also, K-Plus completed a Wetland Impact Evaluation to determine if the project would impact any wetland on or adjacent to the site.

To support the funding of this project, K-Plus identified and prepared a Surface Transportation Program (STP) Application for submittal to the Southwest Conference of Mayors Business Meeting.

The Village of Crestwood was awarded over $1.1 million in STP funds for right-of-way enhancements.

CLIENT

Village of Crestwood

REFERENCE

Lou Presta, Mayor

CATEGORIES

- Design Engineering

EXPERTISE PROVIDED

- STP Grant
- Municipal Engineering
- Grant Identification & Submittal Assistance
- Preliminary Engineering
- Wetland Impact Evaluation
- PESA

K-PLUS TEAM

- Matthew Buerger, PE
- Arif Shaikh, PE
- Marilu Martinez
- Andrew Thompson
- Ben David

FUNDING

- Local
- Federal

OFFICE LOCATIONS
Hinsdale, IL
Chicago, IL
Michigan City, IN

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K-PLUS ENGINEERING SERVICES

CIVIL ENGINEERING | ENVIRONMENTAL ENGINEERING | STORMWATER MANAGEMENT & DESIGN

Metra Parking Lot – Analysis, Design & Construction



K-Plus Engineering was hired to analyze the expected costs of maintaining the Village Metra parking lot (located on MWRD land) versus constructing a new parking lot based on projections of parking needs (size of lot), costs and revenue potential. Analysis assumptions included revenue earned from parking, property value projections, construction costs and maintenance costs (crack filling, patching, sealcoating and re-striping). The analysis resulted in the Village to deciding to convert vacant property adjacent to Village Hall into a new parking lot.

Scope of work for the creation of the parking lot included design approval from the Metra Engineering Department and coordination with the Metropolitan Water Reclamation District (MWRDGC) regarding WMO permit requirements. The design had to factor in two 6x12 box culverts that serve as the main drainage way for the Village.

In addition to engineering design and bid assistance, K-Plus provided construction services including documentation, inspection, and observation of construction activity. Our scope of work also included among other things preparation of change order documents, coordination of change orders, punchlist inspection, contractors pay request review, and review of QA/QC documentation.

BUDGET

- Initial Budget: $358,323.00
- Total Project Cost: $345,674.85
- Number of Change Orders: 1
- Cost of Change Orders: $7,095.85*

*** Project came in under budget** even with change order for additional amenities (bike rack/shelter) to comply with the newly adopted Complete Streets ordinance and extension to complete restoration adjacent to the railroad tracks.

CONSTRUCTION

- Date of Bid: 9/9/2015
- Scheduled Completion Date: 12/1/2015
- Actual Completion Date: 08/07/2016**

**Railroad permit took an additional 8 months due to an adjacent CNR Improvement Project and an IDOT Intersection Improvement at Archer Avenue. Coordination of work schedules was required for phasing of construction, prioritizing CNR, then Village and finally, IDOT improvements.

CLIENT

Village of Willow Springs

REFERENCE

Brent Woods, Village Administrator

CATEGORIES

- Design Engineering
- Resident Engineering
- Stormwater Engineering

EXPERTISE PROVIDED

- Municipal Engineering
- Road Design
- Construction Management
- Permit Coordination

K-PLUS TEAM

- Matt Buerger, PE
- Jose Raya
- Marilu Martinez

FUNDING

- Local

OFFICE LOCATIONS
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K-PLUS ENGINEERING SERVICES

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2014 -2017 Annual Road Improvement Programs



K-Plus Engineering was hired by the Village of Willow Springs to engineer and manage their Annual Road Improvement Program for the years 2014 – 2017.

The scope of work included roadway engineering design and construction services for the resurfacing of 18 local roads totaling 2.96 miles and the restoration of an alley in the Village of Willow Springs.

K-Plus conducted site visits, reviewed construction reports and prepared plans, specifications, and bid documents in the management of the road programs. K-Plus assisted the Village with the bid process.

The construction of the roads included milling and resurfacing 2" and 3" of asphalt, subbase pavement repair in select locations, replacement of selected curb and gutter, repairing drainage structures, landscape restoration, and placement of pavement markings.

K-Plus provided construction documentation for the Village and oversaw the work of the contractor by conducting daily field measurements to verify quantity, documentation of construction progression, field calculations, and field reports. K-Plus worked directly with the contractor on behalf of the Village processing all pay requests, insurance documents, performance bonds, change orders, and coordinated final project closeout.

K-Plus has been tasked with the continuation of the Village's successful road improvement program for the 2017 fiscal year.

CLIENT

Village of Willow Springs

REFERENCE

Brent Woods, Village Administrator

CATEGORIES

- Design Engineering
- Resident Engineering

EXPERTISE PROVIDED

- Design Engineering
- Municipal Engineering
- Road Design
- Construction Management

K-PLUS TEAM

- Matt Buerger, PE
- Jose Raya
- Marilu Martinez

FUNDING

- Local
- MFT

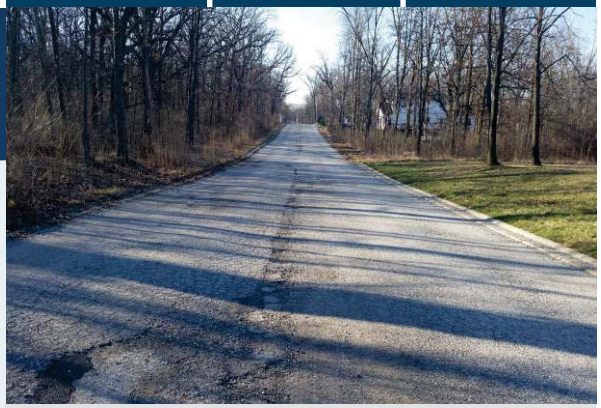
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K-PLUS ENGINEERING SERVICES

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Steger Miller Woods Pavement Analysis and Drainage Study



K-Plus Engineering performed roadway consulting service for the Miller Woods Subdivision in the Village of Steger with the end goal of preparing a 6-year road rehabilitation plan from 2016 to 2021 for the Village.

The process included using historical data combined with hands-on road evaluation to provide a plan for the rehabilitation of the roads to prolong the life of the existing infrastructure. As part of the study, K-Plus documented the condition of the existing pavement, base and curb and gutter.

After performing the pavement analysis, K-Plus classified the roads into six categories ranging from failing condition to excellent condition. A failing condition road would be heavily damaged with considerable sized potholes, deteriorated pavement, transverse and longitudinal cracking and standing water. On the other end of the spectrum, an excellent condition road would be a recently reconstructed road with no maintenance required.

The rehabilitation plan for the roads includes milling and resurfacing 3" of bituminous material, subbase pavement repair in select locations, and replacement of selected curb and gutter. The roads categorized intermediate will be visited annually to reevaluate the conditions of the pavement. Roads that are in an acceptable condition, preventive maintenance can be performed to prolong the life of the pavement by utilizing crack filling and seal coating. Roads that are in a deteriorated condition a complete resurfacing will be required.

Concurrent to the pavement evaluation, K-Plus executed a drainage study over the same area. The study identified the necessary improvements and made recommendations on how to sequence the drainage improvements to minimize the impact on the roads and localized residential flooding. The concurrent nature of the two studies allowed for the coordination of improvements and amortization of costs.

K-Plus provided the Village with a detailed report including a breakdown of costs for each of the roads and exhibits for use in managing the rehabilitation of the roads and communication with the Village Board.

CLIENT

Village of Steger

REFERENCE

Dave Toepper, Director of Infrastructure

CATEGORIES

- Design Engineering
- Stormwater Engineering

EXPERTISE PROVIDED

- Municipal Engineering
- Roadway Management Consulting
- Infrastructure CIP
- Stormwater Management

K-PLUS TEAM

- Matthew Buerger, PE
- Stephen Schuh, PE
- Jose Raya

FUNDING

- Local

OFFICE LOCATIONS
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Michigan City, IN

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K-PLUS ENGINEERING SERVICES

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Crestwood II/Bremen Township Drainage



K-Plus Engineering performed a stormwater study to examine identified drainage concerns for the Village of Crestwood that resulted in flooding at the intersection of LaVergne Avenue and Midlothian Turnpike and nearby residents.

K-Plus provided localized drainage stormwater modeling services for the Village by preparing a conceptual plan detailing options to address drainage concerns for the small impacted area. The plan incorporated stormwater modeling, Best Management Practices, analysis of existing conditions, analysis of options to address the concerns, and recommendations for future improvements.

K-Plus recommended creating a ½ acre detention basin along with swale improvements to alleviate the drainage concern at the intersection. Grading of a drainage ditch, installation of erosion control measures, and vegetative restoration of areas disturbed by construction have also been accounted.

The project was selected by the MWRDGC as a local assistance project. K-Plus was retained to work with the MWRDGC engineers to develop a Phase I 30% Preliminary Design Report.

K-Plus led the MWRDGC selected team that combined the Crestwood II project with the Bremen Township project. Modeling was update to incorporate both projects and a report of the findings was prepared with 30% design. The project entailed communication with the Villages of Crestwood and Midlothian, Bremen Township, the MWRDGC and the Midlothian Country Club.

A meeting with the Army Corp of Engineers was held to identify maintenance needs that could be addressed immediately as well as needs that would require an Army Corp permit.

CLIENT

Village of Crestwood

REFERENCE

Louis Presta, Mayor

CATEGORIES

- Design Engineering
- Stormwater Engineering

EXPERTISE PROVIDED

- Municipal Engineering
- Water Resource Engineering
- Stormwater Design
- Stormwater Pollution Prevention Planning
- Stormwater Management Consulting

K-PLUS TEAM

- Matthew Buerger, PE
- Stephen Schuh, PE
- Andrew Thompson
- Ben David

FUNDING

- Local
- MWRDGC

OFFICE LOCATIONS
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K-PLUS ENGINEERING SERVICES

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2014 -2017 Annual Road Improvement Programs



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The scope of work included roadway engineering design and construction services for the resurfacing of 18 local roads totaling 2.96 miles and the restoration of an alley in the Village of Willow Springs.

K-Plus conducted site visits, reviewed construction reports and prepared plans, specifications, and bid documents in the management of the road programs. K-Plus assisted the Village with the bid process.

The construction of the roads included milling and resurfacing 2" and 3" of asphalt, subbase pavement repair in select locations, replacement of selected curb and gutter, repairing drainage structures, landscape restoration, and placement of pavement markings.

K-Plus provided construction documentation for the Village and oversaw the work of the contractor by conducting daily field measurements to verify quantity, documentation of construction progression, field calculations, and field reports. K-Plus worked directly with the contractor on behalf of the Village processing all pay requests, insurance documents, performance bonds, change orders, and coordinated final project closeout.

K-Plus has been tasked with the continuation of the Village's successful road improvement program for the 2017 fiscal year.

CLIENT

Village of Willow Springs

REFERENCE

Brent Woods, Village Administrator

CATEGORIES

- Design Engineering
- Resident Engineering

EXPERTISE PROVIDED

- Design Engineering
- Municipal Engineering
- Road Design
- Construction Management

K-PLUS TEAM

- Matt Buerger, PE
- Jose Raya
- Marilu Martinez

FUNDING

- Local
- MFT

OFFICE LOCATIONS
Hinsdale, IL
Chicago, IL
Michigan City, IN

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K-PLUS ENGINEERING SERVICES

STAFFING

K-Plus Engineering Services has selected the following team of engineers, project engineers and an engineering technician to serve the Village of Bensenville. Resumes have been included to provide a more extensive and detailed representation of each team member.

NAME/ REGISTRATION/ TITLE	YEARS OF EXP./@FIRM	IDOT/MUNICIPAL PROJECT EXPERIENCE
Matthew Buerger, P.E./ Senior Engineer	13/5	Engineer of Record for **Village of Willow Springs**, MFT Road Program for 2013 - 2017, Metra Parking Lot, Complete Streets, Drainage and Forcemain Projects. Municipal Engineer for **Village of Hillside** managing plan review, I&I compliance, stormwater, TIF redevelopment, MFT Road Program. Municipal projects for STP ROW Improvements including streetscape, lighting and pedestrian crossing. Town Engineer for **Town of Schererville** executing feasibility studies, signal and drainage improvements, reconstruction of culverts. Other municipal engineering experience with **Villages of Orland Park, Steger, Bellwood, Oak Lawn, Evergreen Park, Burr Ridge and Skokie.**
Arif Shaikh, P.E./ Senior Engineer	21/0.5	**Primary PM for Elgin O'Hare Expressway** Joint Venture including design of 6-lane mainline toll facility, new signalized intersections, extensive utility coordination, lighting design and drainage design. **Project Design Engineer for IDOT PTB 152, Item 14, Work Order 4 in Nunda, IL** where scope of work included cross sections for widening of roadway, turning movements, pavement markings and adjusting approach tapers. **QA/QC responsibility for Phase I of IDOT PTB 152, Item 14, Work Order 6** in Lindenhurst, IL where scope of work included widening, channelization and addition of left turn lanes as well as traffic signal modifications. **Project Engineer for Phase II I-80/94 Kingery-Borman Expressway.** Work included geometric modifications of I-80, I-94, I-294, I-394 an all associated ramps and bridges. Included reconstructing and widening of I-80/94. Also responsible for the design of maintenance of traffic, drainage system, development of erosion and sedimentation control plans.

K-PLUS ENGINEERING SERVICES

STAFFING

K-Plus Engineering Services has selected the following team of engineers, project engineers and an engineering technician to serve the Village of Bensenville. The table below includes representative clients and projects. Detailed project experience is included in the resumes included for each team member.

NAME/ REGISTRATION/ TITLE	YEARS OF EXP./@FIRM	IDOT/MUNICIPAL PROJECT EXPERIENCE
Stephen Schuh/ P.E./ Senior Engineer	14/3	Provided design engineering for sanitary sewer placement, water main design and placement for the Tollway Facility Maintenance Renovation project, Managed IDOT utility permit application for utilities installation in the **IDOT ROW**. Designed closed storm sewer and performed stormwater calculations to size sewer; provided design and specification development, cost estimates, permitting, bid assistance and construction observation as well as IDOT permit coordination for **Village of Hillside.** Performed drainage study for **Villages of Bellwood and Hillside** to locate flood sources. Scope included evaluation and recommendation of alternatives, benefit-to-cost (B/C) ratio and feasibility. Used HEC-HMS modeling software. Utilizing **Village of Crestwood STP grant**, did Phase I study and design project including modification to existing traffic signal, utility coordination, plan and profile development. Included kick-off meeting with FHA and **IDOT**. Modeled watershed tributary for **Village of Hillside** utilizing HEC-HMS and HEC-RAS software to update existing models of the area.
Jose Raya/ Project Engineer	6/4	As Project Engineer, conducted roadway design, stormsewer, drainage and water main design for multiple municipalities. For **Village of Willow Springs** prepared plans and specifications for road resurfacing, managed bid documentation, construction management, field inspections and calculations. Processed all pay requests and coordinated final close-out. **Village of Hillside** road reconstruction included preparing plans and specifications, bid documentation and project close-out. For the **Village of Hinsdale**, conducted site visit, reviewed construction reports and prepared bid documents for road reconstruction.

K-PLUS ENGINEERING SERVICES

STAFFING

K-Plus Engineering Services has selected the following team of engineers, project engineers and an engineering technician to serve the Village of Bensenville. The table below includes representative clients and projects. Detailed project experience is included in the resumes included for each team member.

NAME/ REGISTRATION/ TITLE	YEARS OF EXP./@FIRM	IDOT/MUNICIPAL PROJECT EXPERIENCE
Marilu Martinez/ Project Engineer	4/4	Project experience includes stormwater studies, sanitary projects and roadway improvements for multiple municipalities. AS Project Engineer for the resurfacing of two walking paths in the **Village of Mount Prospect.** Scope of work included construction oversight, ensuring ADA compliance was met and daily quantities review and reporting. Coordinated with Safe Routes to School project manager at **IDOT** on behalf of **Village of Hillside**. Conducted road inspections, drafted plans, managed construction oversight, structure repair and replacement inspection. Served as Project Engineer for parking lot improvements within **Village of Mount Prospect.** Construction oversight included full depth patching, crack filling, sealcoating and pavement markings. Lead engineer for the **Village of Hillside** for an ongoing drainage project, performing site visits on an as-needed basis. Prepared watershed report for review by the MWRD.
Andrew Thompson/ Project Engineer	1/1	Project experience includes road, drainage and other general municipal engineering projects. For the **Village of Crestwood,** scope of services included ongoing sidewalk improvement project which utilized **STP funds**. Assisted in drafting Preliminary Environmental Site Assessment report and submitted environmental survey request to **IDOT.** For Tollway Facility Maintenance Renovation, assisted in Barrier Warrant Analysis and management of the IDOT utility permit application for the utilities in the **IDOT ROW.** Provide construction observation services for the Chicago Teacher's Union redevelopment and assisted in the site design of parking lots, permitting and coordination with the City of Chicago.

K-PLUS ENGINEERING SERVICES

Education:
B.S.E., Civil Engineering, University of Iowa

M.B.A, Real Estate Finance and Investment, DePaul University

Licenses/Certifications:
Professional Engineer:
Illinois: 062.062123
Indiana: PE11100137

LEED GA: 10200734

Project Manager Training Certification - CDB

IDOT - Documentation of Contract Quantities: 13-0171

Areas of Expertise:

- *Feasibility*
- *Phase I*
- *Phase 2*
- *Phase 3*
- *Transportation*
- *Traffic Signal*
- *Land Development*
- *Sewer and Drainage*
- *Water Main*
- *Park & Recreation*
- *Construction Management*
- *Municipal Engineering*

MATTHEW BUERGER, PE

Matt's experience has provided him the opportunity to work on Feasibility Projects, Phase I Design, Phase II Design, and Phase III Construction Services for various road and drainage projects. As the head of Civil Engineering for K-Plus, Matt leads a team of civil engineers, project managers, CAD technicians and engineering interns in addition to providing a final level of quality control on all projects. In addition, Matt serves as an economic development consultant for clients on an on-going basis. Matt has provided general municipal engineering services and has also designed, managed, or worked on other various municipal, state, private, and public projects. His work has included the engineering of freeways, traffic signal designs, general road improvement design, and geometric layout of roundabouts for multiple municipalities for planning purposes. Matt's experience outside of transportation engineering includes work on watermain, sanitary sewer, drainage, and engineering studies, and land development projects.

REPRESENTATIVE EXPERIENCE

Village Engineer for Village of Willow Springs - Willow Springs, IL
Matt provides municipal engineering services to the Village including coordination of Public Works improvement projects, Village MS4 compliance, annual evaluation of local roads, IDOT coordination of projects, and MWRD I&I permit compliance. Willow Springs Highlights:

- MFT Road Construction Program 2013-2016 – Design, bid assistance, and construction oversight.
- Metra Parking Lot Improvements – Design & RE services for 70 car municipal lot.
- Complete Streets Ordinance Implementation – Submitted & received a grant for the Village to incorporate bike and pedestrian facilities in the community. Member on the Village Steering Committee.
- Ravine Watershed Drainage Project – Study, design, and construction of drainage improvements for 1 square mile watershed. Included submittal & approval of MWRD funding for construction.
- Kean Avenue Forcemain – Lift Station and forcemain improvements design and construction services.

Homer Glen, IL
Matt provided miscellaneous tasks supplementing Village Engineering responsibilities. Work tasks included plan review, residential drainage investigation in multiple subdivisions, and sanitary sewer interceptor design.

- Fiddyment Creek Sanitary Sewer – Feasibility Analysis, Phase I & II design of 1-1/2 mile interceptor sewer.

K-PLUS ENGINEERING SERVICES

Hillside, IL
Municipal engineer for Hillside. Tasks include plan review, I&I compliance, pedestrian crossing enhancements, storm water drainage projects, road improvement projects, and TIF redevelopment.
Hillside Highlights:

- MFT Road Construction Program 2014-2016
- Bellwood & Hillside Drainage Study – Project Manager of intercommunity drainage study.
- Roosevelt Road Drainage Study – HEC modeling of storm basin needs to address drainage needs.

Crestwood, IL
Matt has provided supplemental municipal engineering services to Crestwood. Tasks include road and drainage improvement projects.
Crestwood Highlights:

- Pulaski Road STP ROW Improvement Project – Streetscape and pedestrian enhancement of ROW.
- Cicero Road STP ROW Improvement Project – Streetscape, lighting, and pedestrian crossing improvements.
- Crestwood I - 135th Street and Central Avenue Drainage Improvements – Submitted and received MWRD funding for drainage project. Performed study and plan preparation for 30% design plans.

Town of Schererville, IN
Prior to joining K-Plus, Matt served as Town Engineer for the Town of Schererville, IN. His work in Schererville included plan review, inspection of subdivision construction, feasibility studies, addressing residential drainage concerns, engineering design, and resident engineering services.
Schererville Highlights:

- 73rd and Burr Street Signal Improvement – Signal & drainage improvements
- St. John Road Reconstruction – Reconstruction and widening of 1.1 miles of collector road. Project included geometric reconfiguration of intersections, 1 mile of watermain system improvements, and ½ mile of sewer upgrades.
- 65th Street Culvert Improvements – reconstruction of multiple culverts.

Carol Stream Park District, IL
Matt served as Program Manager for the Carol Stream Park District assisting the district with a $37 million referendum where he oversaw multiple projects concurrently and was instrumental in preparing/securing over $2.4 million in grants.

OTHER VILLAGE ENGINEER EXPERIENCE

Community	Project
Orland Park	▪ Rte 45 LaGrange Road Improvements ▪ Roundabout Evaluation Miscellaneous Locations ▪ 183rd Street and Wolf Road Water System Improvements
Steger	▪ Miller Woods Infrastructure Study & Capital Improvement Plan
Bellwood	▪ Miscellaneous FEMA Projects
Oak Lawn	▪ Central Ave Water Booster Station ▪ Stony Creek East Branch Drainage Study
Evergreen Park	▪ Evergreen Plaza
Burr Ridge	▪ German Church Road sidewalk improvements
Skokie	▪ Rte 41 and Searle Parkway Traffic Signal

K-PLUS ENGINEERING SERVICES

Education:
B.S., Civil Engineering,
University of Virginia,
Charlottesville, VA

Licenses/Certifications:
Professional Engineer:
Illinois: 062.057409
Virginia: 0402036504

OSHA 10-Hour

ISTHA Traffic Barrier Warrant Analysis

IDOT Highway Jurisdictional Transfers

IDOT Content Sensitive Solutions – Goals & policies

IDOT Work Zone Safety for Projects (Design)

IDOT Engineering Agreements (BLRS)

IDOT – Documentation of Contract Quantities: 17-12333

ASCE Modern Roundabout, As a Traffic Signal Alternative

ASCE Staging & Traffic Control Training for Erosion & Sediment Control Planning & Design for NPDES Compliance

IAFSM Costs of Green and Gray Stormwater Infrastructure

Contract Management, Risk Allocation by Design

ARIF SHAIKH

Arif's experience includes leading multiple discipline design teams on a variety of infrastructure projects ranging in construction value from $50,000 to over $90 million. He was the primary PM for the Elgin O'Hare expressway as part of the Joint Venture with other consultants and worked on a contracted basis for Utility relocation work for the Illinois High Speed Rail. Arif has led the development of highway plans for IDOT, ISTHA, and other local county DOTs and has worked on Phase I studies as well as Phase III work, along with Aviation and Rail work.

REPRESENTATIVE EXPERIENCE

Elgin O'Hare Western Access from Lively Boulevard to Supreme Drive, Dupage County, IL

- Lead Project Manager for a Joint Venture with Civil Tech and Singh Engineers for a Phase II Contract Plan Preparation for the proposed construction of the Elgin O'Hare Western Access from Lively Boulevard to Supreme Drive, including the Illinois Route 83 (Busse Road) Interchange. Work includes the design of a new six-lane mainline toll facility with adjacent frontage roads, the widening and reconstruction of Illinois Route 83, eight new overhead mainline bridge structures, retaining walls, the creation of six new signalized intersections, extensive utility coordination, lighting design, and drainage design.

Illinois 176 at Nish Rd. & I-57 Crossover north of Dralle Road,Nunda, IL

- Project Design Engineer for the Phase I Engineering of Illinois 176 at Nish Rd. & I-57 Crossover north of Dralle Road, in the unincorporated area of McHenry County. Responsible for adjusting approach tapers, storage lengths and tapers, turning movements (Using AutoTurn), Pavement Markings, Typical Sections, and Cross sections for widening of the roadway. (IDOT PTB 152, Item 14, Work Order 4)

Illinois 132 – Munn Rd. to east of Sand Lake Road, Lindenhurst, IL

- Responsible for overseeing the Phase I QA/QC of the cross sections and plans. Project improvement limits are from west of Munn Road to the Lake County Forest Preserve Facility entrance and includes resurfacing, widening of the roadway to five lanes along the entire length, channelization and addition of left turn lanes at all intersection and designated locations, traffic signal modifications at IL 132/Munn Road intersection, IL 132/ Lindenhurst Drive intersection, and IL 132/Sand Lake Road Intersection. (IDOT PTB 152, Item 14, Work Order 6)

Route 34 Yorkville Widening, Yorkville, IL

- Project Engineer for the widening of Route 34 from two to four lanes including a turning lane. Designed the additional lanes and turning lane, as well as the plans that coordinated another consultant's design of an intersection. Incorporated an extra lane for a right in/out intersection. The entire section was curbed and drainage handled by inlets and catch basins with storm sewers. The drainage was coordinated with the adjacent property to handle and store the flow from the roadway.

I-80/94 Kingery–Borman Expressway [2003-2005]

- Project Engineer for the phase II improvements along 6.6 miles of expressway. Arif was responsible for geometric modifications of I-80, I-94, I-294, I-394 and all associated ramps and bridges. This included the reconstructing and widening of I-80/94, providing four travel lanes in each direction; reconstructing and improving the I-80 interchange with I-94/IL394 and the I-80/I-94 interchange at IL 83 Torrence Avenue; completing a new triple-level Southland Interchange including "flyover" ramps that link I-80/94 (Kingery), I-80/294(TriStateTollway), I-94 (Bishop Ford Expressway) and IL. Rte. 394; and redesigning and rebuilding the interchange at Torrence Avenue featuring smoother and safer traffic flow; constructing a new bridge at Wentworth; and widening and reconstructing the IL-94/IL 394 from US 6 (159th Street) to Thornton-Lansing Road. He was also responsible for the design of maintenance of traffic for multiple stages of construction, design of the drainage system, development of erosion and sedimentation control plans and other incidental work as required to complete the reconstruction of this segment of the expressway. This renovation project addressed 3 major needs: capacity, traffic flow, and deteriorating pavement. Retaining and sound walls were added to reduce expressway noise in surrounding resident areas. The higher profile of pavement helped to improve drainage in order to relieve flooding on the roadway. Project Value: $400 Million.

Route 59 Widening, Joliet, IL

- Project Engineer responsible for maintenance of traffic (MOT) plans when Route 59 was widened from two to four lanes and for final pavement marking.

Illinois High Speed Rail, Joliet, IL

- Project Manager for Utility Relocation work v for ComEd for pole relocation work as work continues for construction of sidings, new roadway surfaces and at-grade crossings. Coordinated with ComEd crews, contractors (HSR and ComEd) to meet deadlines to ensure utilities are relocated to allow for rail construction and IDOT intersections. HSR Project Value: $2 Billion

Mainline track work:

- Wilmington – Install 33 poles with 35,000' of 34kV and 12kV wire and remove 26 poles. Value: $1.5 Million
- Joliet Double Track – Install 79 poles with 70,000' of 34kV and 12kV wire, 500' underground 12kV wire and remove 60 poles. Value: $2.4 Million
- Jackson Creek Bridge – Install 12 poles with 11,500' of 34kV and 12kV wire, 200' underground 12kV wire and remove 60 poles. Value: $450,000
- Dwight – Install 82 poles with 107,500' of 34kV and 12kV wire and remove 62 poles. Value: $3.6 Million
- Braidwood – Install 7 poles with 4,600' of 34kV and 12kV wire and remove 5 poles. Value: $150,000

IDOT intersection work

- Coal City Road – Install 49 poles with 98,000' of 34kV and 12kV wire, 2,000' underground 34kV wire, 2,000' underground 12kV wire and remove 33 poles. 2,000' of Fiber Optic cable was install. Impact to wetlands required redesign to underground, environmental considerations impacted the project as well. Value: $2.5 Million
- Strip Mine Road – Install 9 poles with 1,800' of 34kV and 12kV wire and remove 8 poles. Value: $575,000
- Center Street – Install 25 poles with 50,000' of 34kV and 12kV wire, 600' underground 12kV wire and remove 25 poles. Value: $1.2 Million
- Hoff Street – Install 3 poles with 1,000' of 34kV and 12kV wire, 150' underground 12kV wire and remove 3 poles. Value: $250,000

K-PLUS ENGINEERING SERVICES

Education:
B.S.E., Civil Engineering, Calvin College

Licenses/Certifications:
Professional Engineer Illinois: 062.067516

IDOT - Documentation of Contract Quantities: 16-11780

IDOT – ACEC Drainage Seminar, May 2014

Areas of Expertise:

- *IDOT Location Drainage Studies and Hydraulic Reports*
- *Park & Recreation Design*
- *Phase I*
- *Phase 2*
- *Transportation*
- *Land Development*
- *Sewer and Drainage*
- *Water Main*
- *Hydrologic Modeling*
- *Hydraulic Modeling*

STEPHEN SCHUH, PE

Stephen's experience includes preparation of location drainage studies, hydraulic report, site development, grading/earthwork design, storm sewer design, storm water management facilities, sanitary sewer, water main, private utility coordination, permitting, and roadway design.

REPRESENTATIVE EXPERIENCE

Tollway Facility Maintenance Renovation – Hampshire, IL

- The Tollway Capital Improvement Program included redevelopment of maintenance facilities to include indoor truck parking, truck/maintenance shop/bays, state trooper office facilities, a truck wash facility and a new salt storage buildings. Stephen's project role included the design engineering in relation to sanitary sewer placement, holding tank design for the truck wash bays, water main design and placement. The K-Plus team also provided the required utility design and coordination with Nicor, Village of Hampshire, AT&T and other permitting agencies, including IEPA and IDOT. K-Plus also managed the IDOT utility permit application for the utilities installation in the IDOT right of way.

Gary Avenue Phase II Multi Trail Design, DuPage County, IL

- The K-Plus team performed the Phase II design for DuPage County's Phase II design of a 3-mile long multi-use trail across two municipal boundaries. The trail crosses the CN railroad at two locations - one on Gary Avenue south of Army Trail Road and the other on Army Trail Road west of the intersection with Gary Avenue.

Palumbo Culvert Improvement, Hillside, IL

- Stephen designed a closed storm sewer system with a diameter of 66 inches to replace an existing deteriorating CMP box culvert. Scope of work included performing storm water calculations to correctly size the new sewer, design and specification development; quantity take-offs and cost estimates; permitting, bidding assistance and construction observation. The project involved coordination with the Illinois Department of Transportation to obtain a permit. K-Plus also assisted and spearheaded the efforts in obtaining permanent and temporary easements for the construction project.

Villages of Hillside & Bellwood Drainage Study, Hillside/Bellwood, IL

- Stephen performed a study of the existing drainage conditions for the Villages in order to identify and locate flood sources. Scope of work included evaluation of the existing drainage system, site visits, flood alternatives, evaluation and recommendation of alternatives, cost estimate, benefit-to-cost (B/C) ratio and feasibility. Hydrologic Engineering Center-Hydrologic Modeling System (HEC-HMS) software was used for modeling of current conditions and proposed alternatives. K-Plus prepared a report of findings to be presented to the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC).

K-PLUS ENGINEERING SERVICES

Pulaski STP Streetscape Improvements, Crestwood, IL

- Utilizing an STP grant, Stephen performed a Phase I study and design project for almost 2 miles of new PCC sidewalks. Scope of the project also included modification to the existing traffic signal to include pedestrian signal heads, intersection striping and street lighting. Project required a kick-off meeting with the Federal Highway Administration and Illinois Department of Transportation (IDOT) as part of the process in developing the Phase I study. Project also included a topographic survey of the project corridor, utility coordination, plan and profile development, permitting and agency coordination, field reconnaissance/data collection and project development report.

LaVergne Avenue Stormwater Improvements, Crestwood, IL

- Stephen performed a drainage basin study in relation to flooding at the intersection of LaVergne Avenue and Midlothian Turnpike. A conceptual plan was prepared to address drainage concerns incorporating stormwater modeling, Best Management Practices, analysis of existing conditions as well as option to address the concerns and recommendations for future improvements. A detention basin and swale improvements were recommended.

Phase I Location Drainage Study for IL Route 47 and Main St, (south of Elgin), IL

- IL Route 47 and Main St, south of Elgin, intersection improvement required a location drainage study and HR to be prepared. IL-47 and Main St. both crossed Blackberry Creek and had crossing structures within close proximity to each other. Stephen completed a complex series of HEC-RAS models and coordinating between KaneDOT and IDOT to arrive at a solution that satisfied IDOT criteria. Floodplain compensatory storage had to be provided to balance the fill placed in the floodway due to a profile rise of both IL-47 and Main St of 4.5' to meet drainage criteria for freeboard. Several sediment basins were also designed to treat stormwater runoff before discharging to Blackberry Creek.

Roosevelt Road Watershed Study, Village of Hillside, IL

- Stephen served as Project Engineer tasked to model a watershed tributary to an area of Hillside along Roosevelt Road and Oak Ridge Avenue. The area experiences frequent flooding within the Oak Ridge Creek corridor. An existing MWRD detention basin receives more than double the tributary area it was designed for, resulting in surcharging local sewers, the Creek, low lying areas of Oak Ridge Avenue, and the surrounding neighborhood. HEC-HMS and HEC-RAS modeling software was used to update existing models of the area. HEC-RAS was used to model Oak Ridge Creek stage elevations for the critical storm events generated in HEC-HMS.

IL Route 31 and Miller Road, Carpentersville, IL

- Stephen was the lead drainage engineer for the Phase I Location Drainage Study for the SRA intersection improvements at IL 31 and Miller Road. HEC-HMS and HEC-RAS models were generated to analyze 3 cross-road culverts affected by the project. One culvert was replaced due to age and capacity issues with a 4-foot by 8-foot concrete box culvert. Storm sewers and swales were specified to work together where topographic constraints prevented a ditch from being used.

IL Route 132 from Munn Road to E. of Sand Lake Road, Lindenhurst, IL

- 2.5-mile stretch of road had 3 major intersections needed to be widened to incorporate a raised median. As lead drainage engineer, Stephen performed a Phase I Location Drainage Study that included HEC-HMS modeling, GEOPAK storm sewer analysis, and detention calculations for 5 drainage Outlets. HY-8 software was used to analyze one cross-road culvert. Storm water management facilities included above ground ponds and oversized storm sewer pipes within the IDOT ROW. Total stormwater detention provided was 2.55 ac-ft. A drainage design exception was required where 3-feet of freeboard could not be obtained at one of the outlets. Construction cost was $7.5 million.

K-PLUS ENGINEERING SERVICES

Education:
B.S.E., Civil Engineering, University of Illinois at Chicago (UIC), Chicago, IL

Certifications:
IDOT - Documentation of Contract Quantities: 14-0609

IDOT- Fundamentals of Storm Water Pollution and Erosion and Sediment Certificate

IDOT- Erosion and Sediment Control Planning and Design Certificate

IDOT- Inspection of Erosion and Sediment Control Best Management Practices (BMPs) Certificate

MWRDGC - Watershed Management Ordinance Training Certificate

Areas of Expertise:

- *Phase II design*
- *Phase III Construction*
- *Transportation*
- *Land Development*
- *Sewer and Drainage*
- *Water Mains*
- *Construction Management*

JOSE RAYA

Jose's experience as Project Engineer includes Phase II projects conducting roadway design, storm sewer and drainage design, and water main design. He is responsible for field assessments, drawings, specifications, calculations and cost estimates. Prior to joining K-Plus, Jose worked for IDOT managing Phase III projects.

REPRESENTATIVE EXPERIENCE

Bielby Subdivision Road, Willow Springs, IL

- Jose prepared plans and specifications for the resurfacing of 0.65 miles of local roads and managed bid documentation, construction management, field inspection, and calculations. Jose worked with the contractor on behalf of the Village processing all pay requests, insurance documents, performance bonds, change orders, and coordinated final project closeout upon completion.

2015 Road Reconstruction, Hillside, IL

- Jose served as the Project Engineer for the reconstruction of four residential roads in the Village. Jose prepared plans and specifications for the resurfacing of 0.90 miles and provided bid documentation, construction management, field inspection, calculations cost estimates and project closeout. Jose worked directly with the contractor on behalf of the Village processing all pay requests, insurance documents, performance bonds, change orders, and coordinated final project closeout.

Road Infrastructure Evaluation, Willow Springs, IL

- Jose evaluated the Village road infrastructure and prepared a five-year road plan for the Village. Jose evaluated each local road, conducted field inspection, calculations, cost estimates and prioritized each road for improvements based on their existing condition.

2014 Road Construction & Maintenance, Willow Springs, IL

- Jose prepared plans and specifications for the resurfacing of 1.90 miles of local roads and provided bid documentation, construction management, field inspection, calculations and cost estimates. Jose worked directly with the contractor on behalf of the Village processing all pay requests, insurance documents, performance bonds, change orders, and coordinated final project closeout.

Palumbo Culvert Improvement, Hillside, IL

- The K-Plus team designed a closed storm sewer system with a diameter of 66 inches. Jose assisted the efforts in obtaining permanent and temporary easements for the construction project.

K-PLUS ENGINEERING SERVICES

Education:
B.S.E., Civil Engineering, University of Illinois at Chicago, Chicago, IL

Certifications:
IDOT- Documentation of Contract Quantities: 15-0573

Areas of Expertise:

- *Drainage Investigations*
- *Municipal Engineering*
- *Transportation Engineering*
- *Engineering Design*
- *Construction Management*
- *Cost Estimates Analysis*
- *Drafting*

MARILU MARTINEZ

Marilu's experience includes stormwater studies, sanitary projects and roadway projects. She is responsible for municipal engineering including cost estimate preparation, construction specifications, construction overseeing, site visits, and other tasks needed to complete different engineering projects. She is currently the assistant village engineer for the Village of Hillside where projects have ranged from conceptual plans to major drainage studies.

REPRESENTATIVE EXPERIENCE

2016 Walking Path Improvements, Mount Prospect, IL

- Marilu was the Project Engineer for the resurfacing of two walking path. Her scope of services included coordination with ComEd and North Shore Gas to pave over utility lines, construction oversight, ADA compliant path and daily quantities review and reporting.

2015 Road Reconstruction, Hillside, IL

- Served as the Project Manager for the resurfacing of residential streets. Conducted road inspections, drafted plans and specifications, managed construction oversight, structure repair and replacement inspection, daily construction reports and contractor quantities review.

Safe Routes to Schools, Willow Springs, IL

- Assisted with amendment of an existing federally funded project in danger of expiring. Prepared cost estimates of proposed alterations, prepared engineering conceptual plans and coordinated with the SRTS project manager at IDOT.

Central Community Parking Lot, Mount Prospect, IL

- Served as project engineer for the resurfacing of park district complex parking lot. Conducted inspection of stormwater structures for repair or adjustment, construction overseeing and daily quantities review and report.

Parking Lot Improvements, Mount Prospect, IL

- Marilu was the Project Engineer for improvements for four park district recreational facilities. Construction oversight included full depth patching, crack filing, sealcoating and pavement markings. Managed review of daily and final quantities.

Northern Bellwood & Hillside Drainage, Bellwood, IL

- Served as Project Engineer for the investigation of current drainage conditions in Bellwood and stormwater impact from neighboring communities. Prepared MWRDGC report.

K-PLUS ENGINEERING SERVICES

Con-Way Freight Parking Lot Improvements, Bridgeview, IL

- Project engineer of a parking lot field investigation. Review of results and preparation of report of findings and recommended course of action where partial or total pavement reconstruction.

Stony Creek East Branch Study, Oak Lawn, IL

- Served as engineer for the investigation of existing drainage pattern and effects on the community. Responsible for compiling report of findings and calculating benefit to cost ratio for proposed alternative. Benefit to cost ratio and report was prepared following MWRDGC guidelines.

Roosevelt Road Watershed Drainage, Hillside, IL

- Lead engineer for the Village ongoing drainage project. Performs site visits on a needed basis. Prepared watershed report for review of the MWRDGC.

Ravine Avenue Watershed Drainage Improvement, Willow Springs, IL

- Provided updated to stormwater reports, preparation of engineering plans and cost estimate for drainage design of 110 acre watershed.

2013 Road Construction & Maintenance, Willow Springs, IL

- Served as Project Engineer for the reconstruction of five residential roads totaling 0.78 miles in the Village. Jose prepared Phase II documents and was responsible for the design of plans and specifications. He also provided bid documentation, construction management, field inspection, and change orders calculations and final project closeout.

Phase III Construction - Cottage Grove Bridge over Bishop Ford Expressway (FAI-94), Chicago, IL

- Jose managed Phase III construction and inspected the daily construction of a $3.7 million highway bridge. He reviewed construction layouts, wrote daily measurements, calculations and field reports for ground surveying and concrete testing done on footings, retaining walls, abutments, piers and wing walls. Jose enforced IDOT's plans, standard specifications and special provisions for construction procedures, concrete air test, slump and cylinder tests, concrete curing, and traffic control.

2017 Road Reconstruction, Hinsdale, IL

- Jose was part of the team that conducted site visits, reviewed construction reports and prepared plans, specifications, and bid documents for the pavement reconstruction of two local roads and 3 intersections in the Village of Hinsdale. Jose assisted the Village with the bid process and oversaw the work of the contractor by conducting daily field measurements to verify quantity, documentation of construction progression, field calculations, and field reports.

F.A.P. Route 370/Western Avenue Resurfacing, Blue Island, IL

- Jose oversaw the daily resurfacing of Western Ave. Reviewed construction layouts, wrote daily measurements, calculations and field reports. He enforced IDOT's plans, standard specifications and special provisions for construction procedures and traffic control.

MS4 Permit Submittal for Village of Willow Springs, Willow Springs, IL

- Jose assisted the Village with the Municipal Separate Storm Water System (MS4) permit submittal to the IEPA. Jose aided the Village with the necessary submittal documents and with the development of a Storm Water Management Program (SWMP) conforming with the ILR40 General Permit. Upon approval, Jose will assist the Village establish Best Management Practices, set forth policies, procedures and measurable goals to implement the SWMP to the fullest extent possible.

Willow Walks Safe Route to Schools, Willow Springs, IL

- Jose assisted the Village in the preparation for Phase I study for the reconfiguration of Safe Routes to School. He prepared conceptual plans and assisted the Village with IDOT forms and documentation for approval. Project moved to Phase II engineering design and Jose provided plans and specifications for the construction of the Safe Route to School project.

K-PLUS ENGINEERING SERVICES

Education:
B.S.E. Civil Engineering, Bradley University
Peoria, IL

Licenses/Certifications

E.I.T. 061.039147

IDOT - Documentation of Contract Quantities: 17-12430

Organizations:

American Society of Civil Engineers (ASCE)

Chi Epsilon Civil Engineering Honor Society

Areas of Expertise:

- *Municipal Engineering*
- *Sidewalk ADA Compliance*
- *Cost Estimate*
- *Drainage Study*
- *Transportation*
- *Sewer and Drainage*
- *Land Development*
- *Surveying*
- *Drafting*

ANDREW THOMPSON

Andy has experience as a project engineer on road, drainage, and other municipal engineering projects. He has experience in assessing sidewalk conditions and completing sidewalk design, preparation of submittals, preparation of quantities and construction management. Andy also has experience in drafting of reports, storm sewer design, and preparation of permits.

REPRESENTATIVE EXPERIENCE

Pulaski STP Streetscape Improvements, Crestwood, IL

- Andy served as Project Engineer for ongoing sidewalk improvement project for the Village of Crestwood. Project entailed construction of 1.8 miles of new sidewalk, along with pedestrian crosswalks, lighting and improvements to signal timing. Provided engineering design of sidewalk, cost estimate, preparation of IDOT agreements and submittal of Project Development Report. Andy also assisted in drafting the Preliminary Environmental Site Assessment report and submitted the environmental survey request to IDOT.

Cicero Avenue Streetscape Improvements, Crestwood, IL

- Andy served as Project Engineer for ongoing streetscape improvement project for the Village of Crestwood. Project entails construction of 1.8 miles of new sidewalk, driveway aprons, along with pedestrian crosswalks, lighting and improvements to signal timing. Provided preliminary inspection for design and assisted in drafting the Preliminary Environmental Site Assessment report and submitted the environmental survey request to IDOT.

Tollway Facility Maintenance Renovation – Hampshire, IL

- The Tollway Capital Improvement Program included redevelopment of maintenance facilities to include indoor truck parking, truck/maintenance shop/bays, state trooper office facilities, a truck wash facility and a new salt storage buildings. Andy's project role included assisting in the Barrier Warrant Analysis, the design engineering in relation to sanitary sewer placement, the holding tank design for the truck wash bays, water main design and placement. The K-Plus team also provided the required utility design and coordination with Nicor, Village of Hampshire, AT&T and other permitting agencies, including IEPA and IDOT. K-Plus also managed the IDOT utility permit application for the utilities installation in the IDOT right of way

Chicago Teachers Union Foundation Development, Chicago, IL

- K-Plus Engineering partnered with three other firms to provide civil/environmental engineering design and construction observation services for the $21 million private redevelopment of a 100 year old existing building to include new parking lots in the City of Chicago. Andy assisted in the site design of the parking lots, permitting and coordination with the City of Chicago to obtain stormwater and commercial driveway permits and stormwater pollution prevention inspections.

K-PLUS ENGINEERING SERVICES

Palumbo Culvert Improvement, Hillside, IL

- The K-Plus team designed a closed storm sewer system with a diameter of 66 inches to replace an existing deteriorating CMP box culvert. Andy's scope of work included assisting in performing storm water calculations to correctly size the new sewer, design and specification development; quantity take-offs and cost estimates; permitting, bidding assistance and construction observation. The project involved coordination with the Illinois Department of Transportation to obtain a permit. K-Plus also assisted and spearheaded the efforts in obtaining permanent and temporary easements for the construction project.

2017 Road Reconstruction, Hinsdale, IL

- Andy was part of the team that conducted site visits, reviewed construction reports and prepared plans, specifications, and bid documents for the pavement reconstruction of two local roads and 3 intersections in the Village of Hinsdale. Andy assisted the Village with the bid process and oversaw the work of the contractor by conducting daily field measurements to verify quantity, documentation of construction progression, field calculations, and field reports.

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 18, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Daniel Caplice
K-PLUS ENGINEERING, LLC
15 Spinning Wheel Road Suite 320
Hinsdale, IL 60521

Dear Daniel Caplice,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $4,800,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 141.09% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

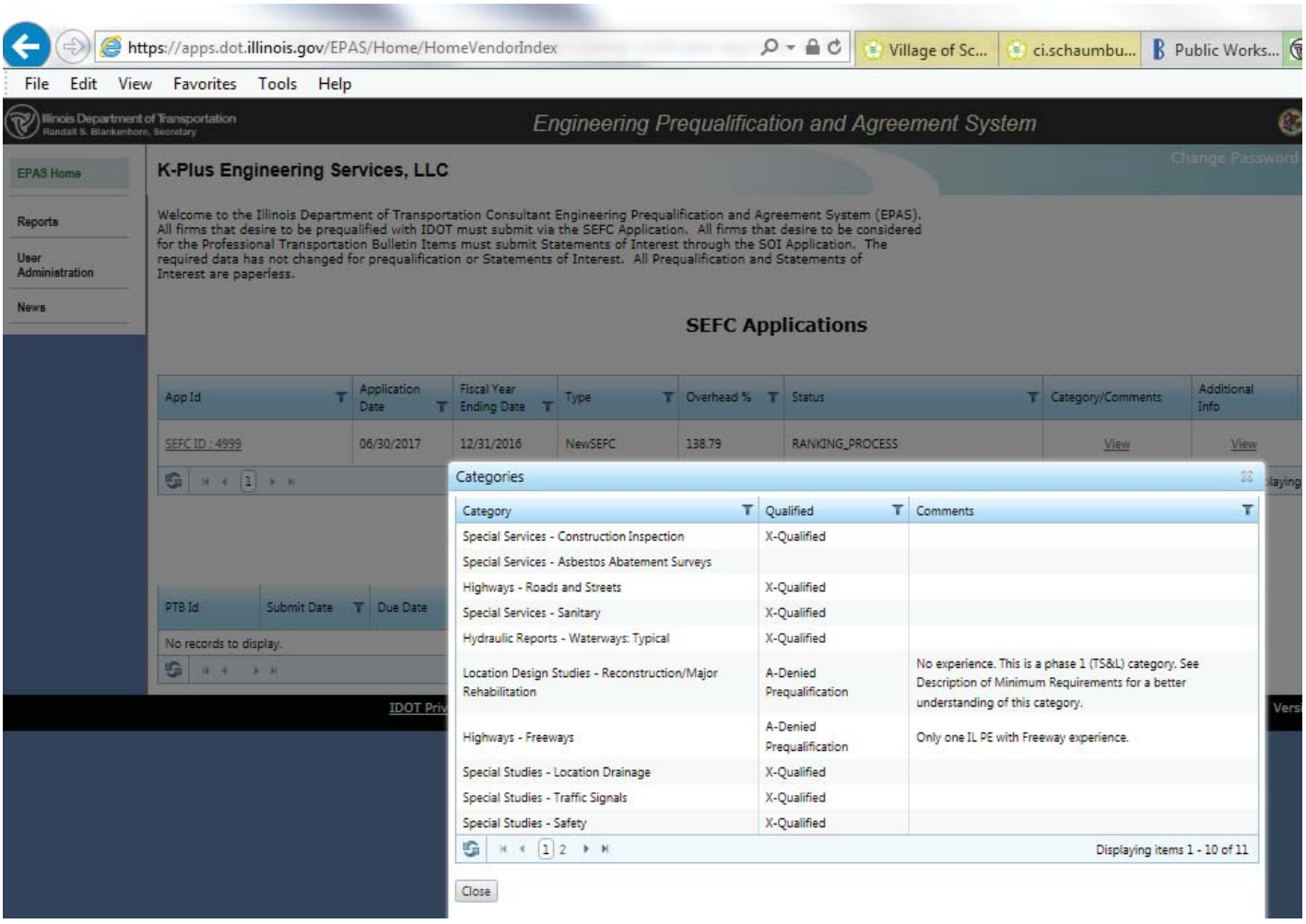
Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

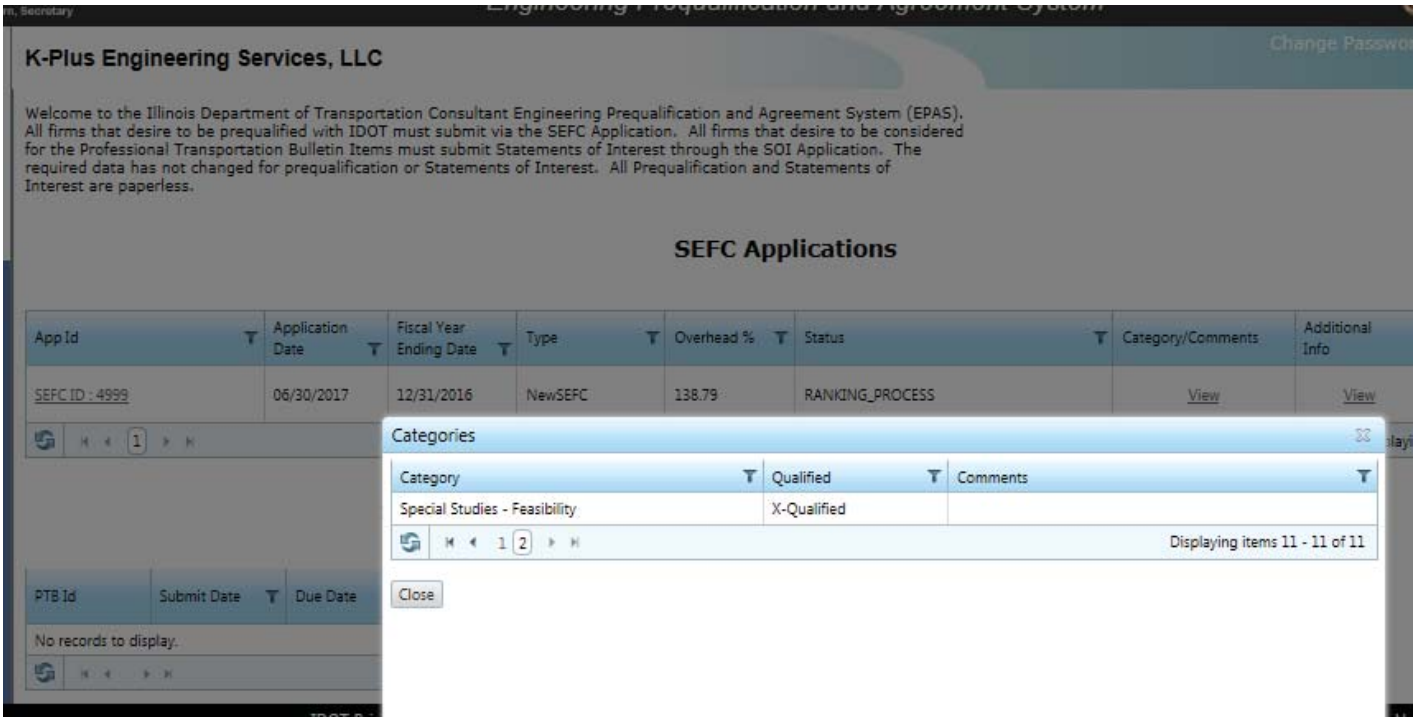
Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR K-PLUS ENGINEERING, LLC

CATEGORY	STATUS
Special Services - Construction Inspection	X
Special Studies - Traffic Signals	X
Hydraulic Reports - Waterways: Typical	X
Location Design Studies - Rehabilitation	A
Special Studies - Safety	X
Special Studies - Location Drainage	X
Special Services - Asbestos Abatement Surveys	X
Special Services - Sanitary	X
Highways - Roads and Streets	X
Special Studies - Feasibility	X
Highways - Freeways	A

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST


https://apps.dot.illinois.gov/EPAS/Home/HomeVendorIndex
Village of Sc...
ci.schaumbu...
Public Works...
File Edit View Favorites Tools Help
Illinois Department of Transportation
Randall S. Blankenhorn, Secretary
Engineering Prequalification and Agreement System
EPAS Home
Reports
User Administration
News
K-Plus Engineering Services, LLC
Change Password
Welcome to the Illinois Department of Transportation Consultant Engineering Prequalification and Agreement System (EPAS). All firms that desire to be prequalified with IDOT must submit via the SEFC Application. All firms that desire to be considered for the Professional Transportation Bulletin Items must submit Statements of Interest through the SOI Application. The required data has not changed for prequalification or Statements of Interest. All Prequalification and Statements of Interest are paperless.
SEFC Applications
App Id
Application Date
Fiscal Year Ending Date
Type
Overhead %
Status
Category/Comments
Additional Info
SEFC ID : 4999
06/30/2017
12/31/2016
NewSEFC
138.79
RANKING_PROCESS
View
View
PTB Id
Submit Date
Due Date
No records to display.
Categories
Category
Qualified
Comments
Special Services - Construction Inspection
X-Qualified
Special Services - Asbestos Abatement Surveys
Highways - Roads and Streets
X-Qualified
Special Services - Sanitary
X-Qualified
Hydraulic Reports - Waterways: Typical
X-Qualified
Location Design Studies - Reconstruction/Major Rehabilitation
A-Denied Prequalification
No experience. This is a phase 1 (TS&L) category. See Description of Minimum Requirements for a better understanding of this category.
Highways - Freeways
A-Denied Prequalification
Only one IL PE with Freeway experience.
Special Studies - Location Drainage
X-Qualified
Special Studies - Traffic Signals
X-Qualified
Special Studies - Safety
X-Qualified
Displaying items 1 - 10 of 11
Close


K-Plus Engineering Services, LLC
Welcome to the Illinois Department of Transportation Consultant Engineering Prequalification and Agreement System (EPAS). All firms that desire to be prequalified with IDOT must submit via the SEFC Application. All firms that desire to be considered for the Professional Transportation Bulletin Items must submit Statements of Interest through the SOI Application. The required data has not changed for prequalification or Statements of Interest. All Prequalification and Statements of Interest are paperless.
SEFC Applications
App Id
Application Date
Fiscal Year Ending Date
Type
Overhead %
Status
Category/Comments
Additional Info
SEFC ID : 4999
06/30/2017
12/31/2016
NewSEFC
138.79
RANKING_PROCESS
View
View
Categories
Category
Qualified
Comments
Special Studies - Feasibility
X-Qualified
Displaying items 11 - 11 of 11
PTB Id
Submit Date
Due Date
No records to display.
Close

Client#: 31957 KPLUSENG

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 10/19/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Susi Boastick	
44-Dimond Bros.- Savoy 1806 Woodfield Drive PO Box 723 Savoy, IL 61874-0723	PHONE (A/C, No, Ext): 217 356-6400	FAX (A/C, No): 2173568044
	E-MAIL ADDRESS: susi.boastick@dimondbros.com	

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : General Casualty Company	
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
K-Plus Engineering Services, LLC
15 Spinning Wheel Road #320
Hinsdale, IL 60521

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY			CFB1258968	10/03/2017	10/03/2018	EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 100,000
							MED EXP (Any one person)	$ 5,000
							PERSONAL & ADV INJURY	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 2,000,000
	POLICY X PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	OTHER:							$
A	AUTOMOBILE LIABILITY			CBA1258968	07/01/2017	07/01/2018	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS / X NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
A	X UMBRELLA LIAB X OCCUR			CCU1258968	10/03/2017	10/03/2018	EACH OCCURRENCE	$ 4,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$ 4,000,000
	DED X RETENTION $ 0							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?	N / A					PER STATUTE / OTH-ER	
	(Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. EACH ACCIDENT	$
							E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

GENERAL CERTIFICATE FOR INFORMATION PURPOSES ONLY

CERTIFICATE HOLDER

FOR INFORMATION PURPOSES ONLY

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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MOLLR

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: Linda R. Caplice

Print Name .....: Linda R. Caplice

Position/Title.....: President

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____



BENSENVILLE
GATEWAY TO OPPORTUNITY

STATEMENT OF QUALIFICATIONS
SHORT LISTS FOR CIVIL ENGINEERING SERVICES
FOR THE VILLAGE OF BENSENVILLE

Prepared by:

Mackie Consultants, LLC
9575 W. Higgins Road
Suite 500
Rosemont, IL 60018
(847) 696-1400

October 19, 2017

MACKIE CONSULTANTS

TABLE OF CONTENTS

REQUEST FOR QUALIFICATIONS
SHORT LIST FOR CIVIL ENGINEERING SERVICES
VILLAGE OF BENSENVILLE, ILLINOIS

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1	Introductory Letter
2	Consultant Evaluation Form - Certificate of Insurance - Litigation
3	Statement of Qualifications - IDOT SEFC Prequalification Letter - Staffing - Firm Experience
4	Supporting Documentation and Sub-Consultant Data

Tab 1

Introductory Letter

MACKIE CONSULTANTS

October 19, 2017

Mr. Joseph M. Caracci, PE
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, IL 60106

Re: Statement of Qualifications
Short List for Civil Engineering Services
Village of Bensenville, Illinois

Dear Mr. Caracci:

We are pleased to submit this Statement of Qualifications for civil engineering services for the Village of Bensenville.

We are confident you will see that Mackie Consultants has the experience and qualifications to assist your village and we look forward to the opportunity to work together. Our team will also include sub-consultant KLOA, Inc., who will provide traffic engineering services of traffic studies, intersection design studies, analysis and design of traffic signals and signalized pedestrian crossings. The remainder of your projects' services will be provided by our in-house staff out of our Rosemont, Illinois office.

You may contact me or Mr. Dave Shindoll at the following address:

Mr. Dave Shindoll, P.E., LEED AP
Vice President
Mackie Consultants, LLC
9575 W. Higgins Road, Suite 500
Rosemont, IL 60018
(847) 696-1400
dshindoll@mackieconsult.com

Should you have any questions or require any additional information as you review our submittal please don't hesitate to call.

Very truly yours,
MACKIE CONSULTANTS, LLC

Martin T. Burke
President

Tab 2

Consultant Evaluation Form

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/3/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Gail Pope
Donne Insurance Group, Inc 7777 W. 159th Street Suite B Tinley Park IL 60477	PHONE (A/C, No, Ext): (708)429-3100 FAX (A/C, No): (708)429-3105 E-MAIL ADDRESS: Gail.Pope@DonneInsurance.com

INSURED	INSURER(S) AFFORDING COVERAGE	NAIC #
Mackie Consultants LLC 9575 W. Higgins Road Suite 500 Rosemont IL 60018	INSURER A: The Charter Oak Fire Ins Co	25615
	INSURER B: The Travelers Ind Co	25658
	INSURER C: Travelers Cas & Surety Co	31194
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** 2017-2018 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR X Blanket Contractual Liab GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT X LOC OTHER:			680-3H497852	10/15/2017	10/15/2018	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 300,000 $ 10,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
B	AUTOMOBILE LIABILITY X ANY AUTO X ALL OWNED AUTOS X SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS			BA-6079L288	10/15/2017	10/15/2018	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
B	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED X RETENTION $ 10,000			CUP-911P929	10/15/2017	10/15/2018	EACH OCCURRENCE AGGREGATE	$ 5,000,000 $ 5,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		UB-7366Y479	10/15/2017	10/15/2018	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

General liability policy includes blanket additional insured status, primary and non-contributory coverage and waiver of subrogation, in any written contract or agreement requiring insurance. Workers compensation policy includes waiver of subrogation. Automobile liability policy includes blanket additional insured status and waiver of subrogation, in any written contract or agreement requiring insurance. 30 day notice of cancellation. Umbrella follows form.

CERTIFICATE HOLDER

Proof of Coverage

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

W Donne, CPCU, ARM/GA William A. Donne

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 5/18/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Shawna Zamora
Assurance Agency, Ltd. One Century Centre 1750 E. Golf Road Schaumburg, IL 60173	PHONE (A/C, No, Ext): (847) 463-7120 FAX (A/C, No): (847) 220-9234 E-MAIL ADDRESS: szamora@assuranceagency.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Starr Surplus Lines Insurance Compa	
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED	
Mackie Consultants, LLC 9575 W. Higgins Road Suite 600 Rosemont IL 60018	CHRIBBU-01

COVERAGES **CERTIFICATE NUMBER:** 270652416 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	GENERAL LIABILITY ☐ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☐ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PRO-JECT ☐ LOC						EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ $ $ $ $ $
	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ☐ NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $
	☐ **UMBRELLA LIAB** ☐ OCCUR ☐ **EXCESS LIAB** ☐ CLAIMS-MADE ☐ DED ☐ RETENTION $						EACH OCCURRENCE AGGREGATE	$ $
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A					☐ WC STATU-TORY LIMITS ☐ OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ $ $
A	Professional Liability			SLSLPRO26220017	6/1/2017	6/1/2018	Each Occurrence General Aggregate	$1,000,000 $2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Proof of Insurance Only

CERTIFICATE HOLDER

Proof of Coverage
-
- - -

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Daniel A. Kfaras

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LITIGATION

REQUEST FOR QUALIFICATIONS
SHORT LIST FOR CIVIL ENGINEERING SERVICES
VILLAGE OF BENSENVILLE, ILLINOIS

Case Name	Laura Becker vs Mackie Consultants, LLC
Case #	2017 L 063012
Court	Circuit Court of Cook County, District 3
Basis	In our firm's 40+ years of operation we have only once been named in a lawsuit. This occurred earlier this year (2017) as part of an alleged trip and fall incident at a private development location where we had provided design services in 2006 and 2007.
Outcome	Pending

Tab 3

Statement of Qualifications

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

1	Design Engineering
4	Wastewater Improvements
2	Stormwater Engineering
3	Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

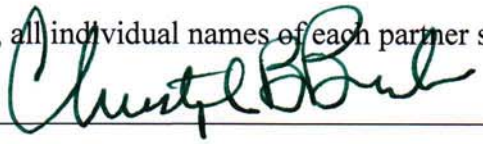
For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

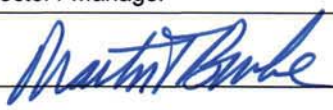
I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: 

Print Name .....: Christopher B. Burke

Position/Title.....: Director / Manager

By.....: 

Print Name .....: Martin T. Burke

Position/Title.....: President / Manager

*** see additional form for continued list of partners*

Company Name ...: Mackie Consultants, LLC

Address line 1 .....: 9575 W. Higgins Road

Address line 2 .....: Suite 500

Telephone.....: (847) 696-1400

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....:

Print Name .....:

Position/Title.....:

Company Name ...:

Address line 1 .....:

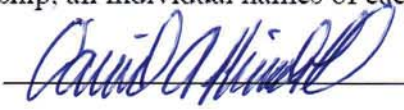
Address line 2 .....:

Telephone.....:

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: 

Print Name .....: David A. Shindoll

Position/Title.....: Vice-President / Manager

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 25, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Martin Burke
MACKIE CONSULTANTS, LLC
9575 W. Higgins Road, Suite 500
Rosemont, IL 60018

Dear Martin Burke,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $13,600,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 101.44% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR MACKIE CONSULTANTS, LLC

CATEGORY	STATUS
Special Services - Sanitary	X
Hydraulic Reports - Waterways: Complex	X
Hydraulic Reports - Waterways: Typical	X
Special Services - Surveying	X
Highways - Roads and Streets	X
Special Services - Construction Inspection	X
Location Design Studies - Rehabilitation	X
Hydraulic Reports - Pump Stations	X
Special Studies - Location Drainage	X
Location Design Studies - Reconstruction/Major Rehabilitation	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 10, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Michael Werthmann
KENIG LINDGREN OHARA ABOONA (KLOA)
9575 W. Higgins Road
Suite 400
Rosemont, IL 60304

Dear Michael Werthmann,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $3,200,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 117.87% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR KENIG LINDGREN OHARA ABOONA (KLOA)

CATEGORY	STATUS
Special Studies - Traffic Signals	X
Special Studies - Safety	X
Special Studies - Traffic Studies	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

STAFFING

REQUEST FOR QUALIFICATIONS
SHORT LIST FOR CIVIL ENGINEERING SERVICES
VILLAGE OF BENSENVILLE, ILLINOIS

Name/Registration/Title	Years of Exp. / @ Firm	IDOT/Municipal Project Experience
David A. Shindoll *Professional Engineer, LEED AP* Vice President / Principal	33 / 25	Extensive IDOT District One Phase I Stormwater experience with Location Drainage Studies, Hydraulic Reports and Drainage Investigations. Public Water Supply and Wastewater Treatment Plant design for Baxter Healthcare Round Lake campus.
Steven R. Kaminski *Professional Engineer,* *Certified Floodplain Manager* Sr. Project Manager	22 / 17	Design Engineering and permitting experience with Village of Lyons, Village of McCook and Veterans Park District. IDOT District One Phase 1 Stormwater consulting, including pump station hydraulic reports, and Location Drainage Studies
Kevin J. Matray *Professional Engineer,* *Certified Floodplain Manager,* *Certified Professional Erosion and Sediment Control* Sr. Project Manager	17 / 17	Village of Arlington Heights Police Station, Public Campus – Infrastructure, Village of McCook Athletic and Exposition Center, George Leoni Community Complex for Veterans Park District and Village of Rosemont
Dale A. Gray *Professional Land Surveyor* Sr. Land Surveyor	30 / 21	Significant Plat of Highways, Easement preparation and route surveying for public agencies including IDOT District One, Cook County, Lake County and DuPage County.
Anthony J. Martini *Professional Engineer,* *Certified Floodplain Manager,* *Certified Professional Erosion and Sediment Control* Sr. Project Manager	14 / 14	Public Works Department and Bowes Road Extension project for Village of South Elgin; IL Route 25 at Kenyon Road Intersection improvements for the Village of Bartlett and Village of Rosemont
Robert J. Bachkosky *Professional Engineer,* *Certified Floodplain Manager,* *Certified Professional Erosion and Sediment Control* Sr. Project Engineer	15 / 15	Mr. Bachkosky has both design and construction/resident engineering experience for municipal projects including park development, utility extensions, quarry fill and roadways for Village of Lyons, Village of McCook, DuPage County and Tioga School in Bensenville for Bensenville School District #2

FIRM EXPERIENCE

REQUEST FOR QUALIFICATIONS
SHORT LIST FOR CIVIL ENGINEERING SERVICES
VILLAGE OF BENSENVILLE, ILLINOIS

Project / Client	Illinois Route 31 (LaFox Road and Bowes Road) Intersection Improvements - South Elgin, Illinois / Village of South Elgin
Scope of Work/ Contractor / Client POC	Tasks included Phase I and Phase II Civil Engineering and Land Surveying design services, including permitting, cost analysis, geometrics, pavement design, water main adjustments, traffic staging, stormwater management report and design, traffic signalization, preliminary and final construction plans, specifications and bidding documents for the approximate 3,300 feet of roadway improvements. Bowes Road was extended approximately 3,300 feet from its prior terminus to Illinois Route 31; at its intersection with Illinois Route 31, the project provided intersection improvements including a new traffic signal with inter-connect, roadway channelization and drainage improvements. The primary goal of the project was to provide an east-west corridor between McLean Boulevard and Illinois Route 31 to reduce the volume of traffic along nearby residential streets and enhance access to industrial and manufacturing area located along Bowes Road. Phase I tasks included preparation of funding applications through the Illinois Department of Transportation and Kane/Kendall Council of Mayors. Due to the anticipated Federal funding involved, plan review and approval was necessary through the Illinois Department of Transportation – Bureau of Local Roads, and in accordance with the Surface Transportation Program (STP) requirements. In addition, Phase III services including construction/material inspection, planning, preconstruction and contract administration services were performed for the Local Agency and the Illinois Department of Transportation at the time of construction. As part of the project development process, several project scoping and coordination meetings were held with IDOT and the FHWA. In addition, regular meetings with the public through a developed Corridor Planning Group were held to identify the project Purpose and Need, additional Right-of-way requirements, geometric and safety improvements, bicycle and pedestrian accommodations, as well as economic development opportunities. Due to the regional benefits associated with the proposed roadway, this portion of Bowes Road has been classified as a Principal Arterial (FAP 528) with the Chicago Metropolitan Agency for Planning. Point of Contact: Mr. Steven Super, Deputy Village Manager, 847-741-3894
Project Team	Anthony J. Martini, Robert J. Bachkosky
Construction Cost / Fee / Year	$ 1.3 million / $ 75,000.^{00} / 2015

FIRM EXPERIENCE

REQUEST FOR QUALIFICATIONS
SHORT LIST FOR CIVIL ENGINEERING SERVICES
VILLAGE OF BENSENVILLE, ILLINOIS

Project / Client	First Avenue at Odgen Avenue/Plainfield Road Development Lyons, Illinois / Village of Lyons
Scope of Work/ Contractor / Client POC	Mackie Consultants is currently contracted with the Village of Lyons to perform construction observation, documentation, site design, and master planning services for the approximate 56 acres property located on the southeast corner of 1st Avenue at Plainfield Road/Ogden Avenue. The property is currently being operated by Reliable Materials as a Clean Construction and Demolition Debris (CCDD) fill site. The Village of Lyons plans to develop the property into an industrial/commercial park at the completion of the fill operation. Mackie Consultants was given the lead consultation role in coordinating with geotechnical engineers and contractors to develop a dynamic compaction and master development plan for the 56-acre site. Mackie also serves as the construction manager for implementation of the dynamic compaction plan for 30 acres of the site, accelerating the natural consolidation of onsite fill material. In a consultation role, Mackie Consultants worked with senior staff members at the Village of Lyons and Reliable Materials to develop a suitable mass grading plan that served in the best interests of both the Village and site operator. Consideration was taken to evaluate potential site access points, site uses, utility access, and stormwater management requirements. As potential users are identified for the property, Mackie Consultants, will be responsible for master planning of the property, developing stormwater and utility infrastructure, transportation infrastructure, and permitting coordination with the Illinois Department of Transportation (IDOT), the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC), the Illinois EPA, and other local and state agencies. As the dynamic compaction plan was implemented, Mackie Consultants was responsible for the construction management, project oversite, and documentation of the dynamic compaction process. Mackie staff acted as the primary liaison between the contractor and Village Staff. Mackie performed frequent site observations to ensure fill placement at appropriate lift thickness and document a percentage of the performed dynamic compaction. Mackie was responsible for reviewing and approving all dynamic compaction documentation from the contractor and coordinated additional review with the geotechnical team. After consultation with the geotechnical team, Mackie discussed findings with Village Staff and coordinated any adjustments to the dynamic compaction operation to maximize effects of the process. Additionally, Mackie Consultants coordinated the installation of approximately 20 settlement plates onsite to measure and track onsite settlement of fill. Mackie Staff performed a monthly settlement survey to document the historical settlement of fill materials. The data collected will be utilized to help assess when portions of the site have experienced the soil consolidation needed in order to recommend development and/or supplemental measures that may be needed for development. Point of Contact: Mr. Christopher Getty, Mayor, (708) 442-4500
Project Team	Steven R. Kaminski, Robert J. Bachkosky
Construction Cost / Fee / Year	$ 1.5 million / $ 100,000.00 / Ongoing

FIRM EXPERIENCE

REQUEST FOR QUALIFICATIONS
SHORT LIST FOR CIVIL ENGINEERING SERVICES
VILLAGE OF BENSENVILLE, ILLINOIS

Project / Client	Village of South Elgin Public Works Facility 1000 Bowes Road South Elgin, Illinois / Village of South Elgin
Scope of Work/ Contractor / Client POC	The Village of South Elgin Public Works Department is responsible for providing vital public services to the South Elgin community, such as operating and maintaining the waterworks and sewerage system along with the maintenance of all public streets, alleys, and parkways. The Village of South Elgin had been operating out of an old facility built in 1987 which was tucked away on a residential street. The Village is committed to providing the best and most efficient service to their residents and therefore decided to capitalize on the newly constructed Bowes Road which had created an industrial corridor and efficient route for the many public works equipment trucks. Mackie Consultants was proud to be an integral part of the multi-disciplined team which designed the new Public Works Facility development and assisted the Village of South Elgin to achieve their goals under budget. Mackie Consultants LLC provided the site civil engineering and land surveying design for the Village of South Elgin Public Works Facility pad preparation and final design work including permitting, cost analysis, geometrics, pavement design, stormwater managements, and specifications and bidding documents. The Public Works Facility site, located at 1000 Bowes Road, is 12.67 acres and contains a 50,492 square-feet precast panel building, a 3,200 ton Salt Dome and a 500 ton Material Storage Garage A major hurdle encountered during the infancy of the project was the lack of suitable soils necessary for bearing the loads required for a high trafficked public works building and many creative solutions were considered; however, the most cost effective and sustainable solution was to remove and re-compact the - soil in-situ to reach an adequate bearing capacity for the building. Due to a high market demand for the cost-saving precast paneling for the building, a very strict deadline to complete the mass earthwork and pad preparation prior to winter 2015 was set. Accounting for lost time due to seasonal wet weather proved difficult, however, leadership and full participation from all stakeholders involved allowed the project to stay on course and the foundation was completed in spring of 2016 with time to spare. As a part of the project development process, any impact to the onsite wetland would be required to be permitted with the Army Corp of Engineer's. Although the Village of South Elgin had the option of impacting the full extent of the wetlands and paying to mitigate the wetland impact offsite, Mackie Consultants assisted them in preserving the wetlands onsite with only a minimal impact and therefore not only saving the Village time and money in the permitting process but also facilitated the preservation of 36,025 square feet of natural habitat for a diverse ecosystem of wildlife and plant life. The minor impact to the wetland was mitigated onsite in the form of a naturalized wetland bottom detention basin which in turn minimizes the potential for any adverse stormwater impacts to neighboring properties and downstream environments. This project was designed in accordance to the Village of South Elgin's development standards, Kane County's Stormwater Ordinance and required permits from the Kane-DuPage Soil and Water Conservation District and the Illinois Environmental Protection Agency (IEPA). Point of Contact: Mr. Steven Super, Deputy Village Manager, (847) 741-3894

Project Team	Anthony J. Martini, Robert J. Bachkosky
Construction Cost / Fee / Year	$ 3 million / $ 150,000.^{00} / 2015

FIRM EXPERIENCE

REQUEST FOR QUALIFICATIONS
SHORT LIST FOR CIVIL ENGINEERING SERVICES
VILLAGE OF BENSENVILLE, ILLINOIS

Project / Client	Baxter Healthcare Round Lake Campus Infrastructure Projects Illinois Route 120 and Wilson Road Round Lake, Illinois / Baxter Healthcare Corporation
Scope of Work/ Contractor / Client POC	Mackie Consultants has provided civil engineering and professional surveying services for numerous infrastructure improvement projects and upgrades on the approximately 280-acre Baxter Healthcare campus. At this location, Baxter operates as their own public water supply and waste water treatment plant operation. Included in these improvement projects have been lift station improvements to both the on-campus sanitary sewer collection system and the on-site waste water treatment plant, waste water treatment contact tank improvements, fire main and domestic water main network replacement and expansion and water supply. Mackie Consultants has designed multiple expansions to an existing sanitary lift station servicing the northern portion of the Baxter campus due to the expanding campus. These projects have varied from expansion of the existing wet well, utilizing a 4' x 4' box culvert, to the complete re-design of the existing lift station components, including new pumps, equipment, and approximately 750 lf of sanitary force main. In addition, Mackie Consultants was the design engineer for the construction of a new lift station system designed to carry the wastewater treatment plant's filter backwash to an existing aeration lagoon for further treatment. The project included a 15.5' x 15.5' holding tank / wet well to store the backwash, prior to pumping. Due to the existing waterproof liners surrounding the existing lagoon, a portion of the force main for the project was designed and constructed above grade to the discharge. Since 2009, we have provided survey, design, IEPA and/or county permitting assistance, and construction administration services to Baxter Healthcare to implement an annual program of water main replacement and network expansion for their fire protection water mains and domestic water mains. These projects have included both horizontal directional drilling (HDD) and conventional open trench installation segments. We have also provided all these services for an additional 400,000 gallon elevated domestic water storage tank. Point of Contact: Mr. Gary Hanline, Supervisor, Global Operations, EHS&S, (224) 270-4919
Project Team	David A. Shindoll, Brent R. McQueen
Construction Cost / Fee / Year	$ 3.5 million / $ 250,000.^{00} / 2012, 2013, 2014, 2015, 2017

FIRM EXPERIENCE

REQUEST FOR QUALIFICATIONS
SHORT LIST FOR CIVIL ENGINEERING SERVICES
VILLAGE OF BENSENVILLE, ILLINOIS

Project / Client	Village of Arlington Heights Replacement Police Station Arlington Heights, Illinois / Village of Arlington Heights and Legat Architects
Scope of Work/ Contractor / Client POC	The Village of Arlington Heights required replacement of their aging police department facility situated between the recently re-constructed Village Hall and fire station buildings on their municipal campus in downtown Arlington Heights. As a key member of the design team led by Legat Architects, Mackie Consultants provided the surveying, site planning, civil engineering design, permitting and construction administration for the project. The site was constrained by railroad tracks to the north, Sigwalt Avenue to the south and the existing Village Hall and Fire Department buildings on either side. Project scope include water, sanitary sewer, storm sewer, underground storm water detention, parking lots and driveways. Phasing considerations included the need for maintaining equipment access and circulation to the fire station as well as public and employee access and parking for the Village Hall. Point of Contact: Mr. Cris Papierniak, Assistant Director of Public Works, (847) 368-5807
Project Team	Kevin J. Matray, David A. Shindoll
Construction Cost / Fee / Year	$ 1.5 Million / $ 75,000.^{00} / 2016-2017

FIRM EXPERIENCE

REQUEST FOR QUALIFICATIONS
SHORT LIST FOR CIVIL ENGINEERING SERVICES
VILLAGE OF BENSENVILLE, ILLINOIS

Project / Client	Various Route/Various County Hydraulics and Surveying Consulting Illinois Department of Transportation – District One
Scope of Work/ Contractor / Client POC	For more than 20 years, Mackie Consultants, LLC has provided drainage consulting services to the Illinois Department of Transportation (IDOT) through numerous work order based contacts for various locations throughout Northeastern Illinois. These services have included Location Drainage Studies, Hydraulic Reports for Waterway Crossings, Hydraulic Reports for Stormwater Pump Stations and Drainage Investigations at identified locations of roadway flooding. Mackie Consultants, LLC has prepared multiple Location Drainage Studies including US 20 at IL Route 47/72, I-290/IL-53 in Schaumburg, and IL-53 at River Road / Markle Road. Hydraulic reports have been completed at more than 20 locations, such as the I-80 bridge over Hickory Creek, IL-1 / Dixie Highway over an unnamed tributary to Cherry Creek, both IL-72 and US 20 over Tyler Creek, the Madison Avenue Bridge over the Des Plaines River in Maywood, and Main street in Lemont. We have also performed more than 10 Hydraulic Reports for Stormwater Pump Stations which have included many key locations along major routes such as the Edens, Kennedy and Dan Ryan Expressways, and analyzed the outlet channel to Pump Station 27. Recent drainage investigations include Fullerton Avenue in Franklin Park, the I-55 frontage road in Darien, Illinois Route 14 in Inverness and the I-190 interchange with Mannheim Road at O'Hare Airport. Similarly, Mackie Consultants has provided IDOT with various surveying services throughout District One, including plats of highways, easement plats, route topography, intersection surveys, ADA right-of-way analysis and preparation of parcel descriptions. Example locations include I-94 at Russell Road and IL-173, Burnham Avenue at 155th Place, IL-47 at Silver Glen Road and IL Route 23 Monumentation. Point of Contact: Mr. Perry Masouridis, Drainage Studies Manager (847) 705-4474 Mr. Richard Kanthaphixay, Survey Unit Head, (847) 705-4340
Project Team	David A. Shindoll, Dale A. Gray, Steven R. Kaminski
Construction Cost / Fee / Year	N/A / $ 1.5 million / 2012-Present

FIRM EXPERIENCE

REQUEST FOR QUALIFICATIONS
SHORT LIST FOR CIVIL ENGINEERING SERVICES
VILLAGE OF BENSENVILLE, ILLINOIS

Project / Client	Various Projects – Village of Rosemont Village of Rosemont
Scope of Work/ Contractor / Client POC	Mackie Consultants, LLC has provided surveying, design, permitting and construction phase engineering for numerous projects for the Village of Rosemont, Illinois. These public projects have included roadways, pedestrian bridges, utility extensions, stormwater detention and municipal parking lots and parking structures to support numerous commercial, retail, entertainment and restaurant developments. Projects include the Balmoral Avenue Pedestrian Bridge, Barry and Lyndon Street Reconstruction, Bryn Mawr Avenue Reconstruction, Donald E. Stephens Convention Center Entrance renovation, Dunne Park re-development, Pearl Street and Rosemont Entertainment District surface parking lot and parking garage addition. Along with these projects we have also provided the corresponding site development surveying and engineering for The Park at Rosemont, Pearl Street Station, Hofbrahaus, Fashion Outlets of Chicago and the Big10 office. Point of Contact: Mr. Bradley A. Stephens, Mayor, (847) 825-4404
Project Team	Anthony J. Martini, Kevin J. Matray, Trudy K. Buehler
Construction Cost / Fee / Year	$ 10 Million / $ 500,000.^{00} / 2012 – construction on-going

Tab 4

Supporting Documentation and Sub-Consultant Data

DAVID A. SHINDOLL, PE, LEED AP

VICE PRESIDENT

dshindoll@mackieconsult.com



Registrations:
Professional Engineer
- Illinois (062-045118)
- Iowa (11458)
- Indiana (PE19900207)
- Kansas (PE21095)
- Louisiana (PE.0023542)
- Michigan (6201060178)
- Minnesota (20316)
- Nebraska (E6939)
- Nevada (009002)
- Ohio (PE.57591)
- Pennsylvania (PE076590)
- Texas (PE 105776)
- Virginia (0402046051)
- West Virginia (018138)
- Wisconsin (27741-6)

Certifications:
LEED Accredited Professional
National Council for Examiners for Engineering and Surveying
Certified Professional in Erosion and Sediment Control

Education:
Bachelor of Science
Civil Engineering
Iowa State University
Ames, Iowa

Masters of Science
Civil Engineering/Hydraulics
University of Iowa
Iowa City, Iowa

Computer Program Experience:
WSPRO, HEC-1, HEC-2, TR-20, HEC-RAS, TR-55, StormCad, HEC-HMS and Hydrain

Affiliations:
American Society of Civil Engineers
National Society of Professional Engineers

Profile:

Mr. Shindoll has more than 30 years of civil engineering, management, planning, design and construction experience of site amenities, underground utilities, roads, highways, stormwater management areas, drainage facilities and parking facilities for major commercial, educational, municipal, and institutional developments. As the director of multiple projects, David is responsible for managing numerous projects and staff members.

David's experience includes the planning, analysis, and design work for numerous highway drainage projects for the Illinois Department of Transportation and Cook County Highway Department. The scope of these highway drainage projects has ranged from local roads to six-mile lengths of major urban expressways. David has significant experience with implementing the requirements of the county-wide stormwater ordinances in Lake, Will, Kane, McHenry and DuPage Counties.

David has worked at numerous healthcare and educational campuses around Chicagoland. The scope of work has included campus planning, infrastructure upgrades, building additions and expansion, parking lot improvements, entrance improvements, drainage related improvements, and new facilities. David has performed and overseen the due diligence, planning, permitting, design and construction of various projects serving multiple public and private market sectors.

Project Experience:

- IDOT High-Speed Rail from Chicago to St. Louis for Illinois Department of Transportation, various locations;
- Illinois Department of Transportation Location Drainage Studies, various locations throughout Illinois;
- Illinois Department of Transportation Pump Station Hydraulic Reports, various Locations throughout Illinois;
- Midwestern University Campus Improvements located in Downers Grove, Illinois;
- Arlington Heights Police Station, located in Village of Arlington Heights, Illinois;
- Crest Hill Public Works Facility, located in City of Crest Hill, Illinois;
- Swedish Covenant Hospital Campus Improvements, located in Chicago, Illinois;
- St. Alexius Medical Center Campus Improvements, located in Hoffman Estates, Illinois;
- Alexian Brothers Medical Center, located in Elk Grove Village, Illinois;
- Adventist LaGrange Memorial Hospital Campus Improvements, located in LaGrange, Illinois;
- Advocate South Suburban Hospital Improvements, located in Hazel Crest, Illinois;
- Plainfield Dental Clinic, located in Plainfield, Illinois;
- Rockford Regional Multi-Modal Transportation Center, Rockford, Illinois;
- Baxter Healthcare Corporation Campus Improvements, Round Lake, Illinois;
- North Shore Country Day School, Winnetka, Illinois;
- Leslie Shankman School Corporation, Chicago, Illinois;
- Argonne National Laboratory Campus Improvements, located in Lemont, Illinois;
- BP Terminal in Elk Grove, Illinois, in addition to over 50 Gas Station/Car Wash/ Convenience Store sites throughout Northeastern Illinois;
- Shopping Centers and Retail Developments including Village Square of Northbrook, Edens Plaza, multiple Kohls, K-Marts and Walgreens stores throughout Illinois;
- Metra Vermont Street Station, Blue Island, Illinois;
- Public Works Facility Building Addition and Site Improvements for the Village of Wilmette, Illinois;
- Public Works Facility and Campus Improvements for the Village of Addison, Illinois;
- Public Works Campus and Site Improvements for the Village of Elmhurst, Illinois;
- Police Department Building Addition and Site Improvements for the Village of Plano, Illinois;
- 151 N. Franklin Development, located in Chicago, Illinois;

STEVEN R. KAMINSKI, PE, CFM
SENIOR PROJECT MANAGER II

skaminski@mackieconsult.com



Registration:
Professional Engineer
Illinois # 062-053219

Certifications:
Certified Floodplain Manager
Certified Professional in Erosion and Sediment Control
Kane County Engineer Review Specialist

Education:
University of Wisconsin
Madison, Wisconsin
Bachelor of Science
Civil and Environmental Engineering

Computer Program Experience:
Microstation V8i, HEC-RAS, HEC-2, HEC-HMS, XP-SWMM, TR-20, StormCAD, Hy-8, WSP-2

Affiliations:
Illinois Association of Floodplain and Stormwater Managers

Profile:

Steve Kaminski has over 20 years of civil design and project management experience in residential, commercial, institutional, industrial and transportation projects. His extensive experience includes surface water hydrology, hydraulic analysis and design, regulatory floodway map revisions, compensatory storage design, earthwork analysis and grading plan preparation, utility design, budgeting, preparation of bid and contract documents and interdisciplinary coordination.

Steve has overseen and managed numerous projects and staff members in the completion of due diligence, investigation reports, final engineering plans, engineers opinions of probable cost, specifications, bid documents and construction contract management. These projects have included recreational, commercial, educational, industrial, residential and institutional facilities of varying sizes.

Steve has significant experience in Hydrology and Hydraulics, including hydraulic reports and location drainage studies for the Illinois Department of Transportation and various other transportation related projects. He has worked on numerous projects which utilized green building technology and promoted the preservation of our natural resources through groundwater recharge.

Relevant Project Experience:

- Bluff Spring Fen Restoration Project for Bluff City Materials, located in Elgin, Illinois;
- Thornton CCDD and Berm Project for Reliable Materials, located in Thornton, Illinois;
- Curran Contracting Virginia Road Property for Curran Contracting, located in Crystal Lake, Illinois;
- Midtown Athletic Club Building Addition located in Chicago, Bannockburn and Palatine, Illinois;
- Blue Heron Business Park and Bluff City Industrial Park Improvements for Abbott Land & Investment, located in Bartlett and South Elgin, Illinois;
- Waste Management Improvements, located in Crystal Lake and Elgin, Illinois;
- Virginia Road Improvements for Waste Management of Illinois, Inc., located in Crystal Lake, Illinois;
- Plainfield-Naperville Road Improvements for Orleans Homebuilders, located in Bolingbrook, Illinois;
- Laraway Road Improvements, located in Joliet, Illinois;
- Lyons Memorial Park site for the Village of Lyons, located in Lyons, Illinois;
- Vulcan Materials Site Improvements, located in Manteno, Illinois;
- Fullerton Avenue Drainage Improvements for the Illinois Department of Transportation, located in Franklin Park, Illinois;
- Smith Park Improvements for the Village of Lyons, located in Lyons, Illinois;
- Michael Cimbalo Fitness Center and Museum Improvement Project for the Village of Melrose Park, located in Melrose Park, Illinois;
- Veterans Park District Comprehensive Plan, located in Northlake, Melrose Park and Franklin Park, Illinois;
- Village of Justice Retail Corridor Vision Plan for the Village of Justice, Justice, Illinois;
- Single Family Subdivisions for Orleans Homebuilders in Bartlett, Lake-in-the-Hills and Bolingbrook, Illinois;
- 95th Street Pump Station Hydraulic Report for the Illinois Department of Transportation in Bridgeview, Illinois;
- Single Family Subdivisions for K. Hovnanian Homes in South Elgin and Bolingbrook, Illinois

KEVIN J. MATRAY, PE, CFM, CPESC
SENIOR PROJECT MANAGER II

kmatray@mackieconsult.com



Registration:
Professional Engineer
Illinois # 062-058360

Certifications:
Certified Floodplain Manager
Certified Professional in Erosion and Sediment Control

Education:
Purdue University
West Lafayette, Indiana
Bachelor of Science
Civil Engineering

Computer Program Experience:
Microstation V8i, GEOPAK, Autoturn, Agtek 3D Earthwork, HEC-RAS, TR-20, TR-55, StormCAD, Flowmaster and PondPack

Affiliations:
American Society of Civil Engineers – Illinois Section

Environmental Water Resources Institute (EWRI)

Illinois Association of Floodplain and Stormwater Management

Engineers Without Borders – USA Chicagoland Chapter

Profile:

Mr. Matray is a Registered Professional Engineer with over 14 years of experience in civil design and project management of residential, commercial, industrial and municipal developments. He has extensive knowledge of earthwork analysis, grading design, stormwater management, underground utility design, erosion control, opinions of probable cost, land planning, zoning & platting, and project permitting. Mr. Matray has managed and coordinated residential, commercial, industrial, recreational and environmental projects for both private and public clients.

Mr. Matray has worked with local governing agencies completing complex grant applications to assist in acquiring the funding necessary for project financing. He has worked with local environmental groups in the preservation and enhancement of woodland and wetland areas. He has performed detailed hydrologic and hydraulic analysis for complex drainage improvements associated with developments. Kevin has a substantial amount of project management experience working on complex projects with multi-discipline coordination.

Relevant Project Experience:

- Arlington Heights Police Station, located in Arlington Heights, Illinois;
- IDOT High Speed Rail from Chicago to St. Louis for Illinois Department of Transportation, various locations;
- Blue Heron Business Park and Bluff City Industrial Park for Abbott Land & Investment, located in Bartlett, Illinois;
- Rockford Regional Multi-Modal Transportation center, Rockford, Illinois;
- Dixon Waterfowl Refuge and Levee Repair at Hennepin & Hopper Lakes for The Wetland Initiative, located in Hennepin, Illinois;
- Swedish Covenant Hospital – Foster Medical Pavilion and Campus Improvements located in Chicago, Illinois;
- McCook Athletic and Exposition (MAX) Center Parking Lot Improvements for the Village of McCook, located in McCook, Illinois.
- AT&T Facility Locates, Conflict Identification, Design Resolutions and Permit Submittals for AT&T Facility Relocation Projects, various locations;
- Midtown Athletic Club Building Addition, located in Chicago, Illinois;
- Victory Centre – Supportive Living Facility and Senior Apartments for Pathway Senior Living, located in Vernon Hills, Illinois;
- Site Development Assessment with IDOT Right-of-Way Takings for Illinois Department of Transportation, various locations;
- George A Leoni Community Complex for Veterans Park District, located in Melrose Park, Illinois;
- Herrington Estates Subdivision for Ryland Homes, located in Bolingbrook, Illinois;
- Shelburne Crossing Subdivision for M/I Homes, located in Winfield, Illinois;
- South Salk Park and ADA Accessibility Improvements for Rolling Meadows Park District, located in Rolling Meadows, Illinois;
- Stormwater Management and Quarry Reclamation Planning for Prairie Materials, located in East Dundee, Illinois;
- Temporary Carrier Annex for the United States Postal Service, located in Downers Grove, Illinois;
- Stormwater Management and Parking Lot Improvements for American Charter Bank, located in Elk Grove Village, Illinois;
- Jewel-Osco Building and Site Rehabilitation for Super-Valu, located in Palos Heights, Illinois;

DALE A. GRAY, PLS
SENIOR LAND SURVEYOR

dgray@mackieconsult.com



Registration:
Professional Land Surveyor
Illinois # 035-003057

Education:
Associates Degree
Land Surveying
Gateway Technical Institute
Elkhorn, Wisconsin

Computer Program Experience:
Microstation V8i, Geopak

Affiliations:
Illinois Professional Land Surveyors Association

Northeast Chapter of Illinois Professional Land Surveyors Association

Profile:

Dale Gray has over 30 years of experience in land surveying and construction layout for transportation, residential, commercial, municipal, institutional and industrial projects. Dale has extensive knowledge on the legal requirements for real estate closings and transfers of property and has done the necessary research of public records to verify complex property disputes. He has completed numerous Plats of Subdivisions throughout the Chicagoland area and understands the varying requirements from County to County.

Dale is experienced in the completion of FAA certifications, Plats of Subdivision, condominium surveys, legal descriptions, elevation certificates, title document review and easement documents. He has managed and overseen the completion of complex surveying related documents and construction layout. Dale has provided expert testimony for boundary disputes in Will County, Lake County, and Cook County.

Mr. Gray also oversees the completion of the houseline surveying services for various homebuilders. These houseline surveys include permit plats, foundation surveys, grading surveys and final closing surveys. Dale is instrumental in ensuring these services are completed quickly and accurately in order to maintain the homebuilders' production schedules.

Relevant Project Experience:

- Topographic Surveys, establish control network and construction layout for Argonne National Laboratory, Lemont, Illinois;
- Various Plats and Construction Layout for Midwestern University, located in Downers Grove, Illinois;
- Various Plats and Construction Layout for the Village of Lyons Municipal Center, Lyons, Illinois;
- Plats, Exhibits and Legal Descriptions of various properties for the Village of Bartlett, DuPage County, Illinois;
- Plats of Acquisition for various locations for the Illinois Department of Transportation, Bureau of Land Acquisition;
- Topographic Survey for various locations for the Illinois Department of Transportation, Department of Programing;
- Various Plats and Construction Layout for Waste Management, located in City of Elgin and City of Crystal Lake, Illinois;
- Various Plats and Topography for various projects within Cook County for the Cook County Highway Department;
- Various Plats and Surveys for Blue Heron Business Park and Bluff City Industrial Park, located in the Village of Bartlett, Illinois;
- Various Plats and Surveys for St. Alexius Medical Center in the Village of Hoffman Estates, Illinois;
- Topographic surveys, boundary surveys, utility surveys and easement plats for Swedish Covenant Hospital, located in Chicago, Illinois;
- Plats of Subdivision and Houseline Services for various subdivisions and developments for CalAtlantic Homes (formally Ryland Homes) throughout Chicagoland, including Lancaster Falls, located in Volo, Illinois.

ANTHONY J. MARTINI, PE, CFM, CPESC

SENIOR PROJECT MANAGER II

amartini@mackieconsult.com



Registration:
Professional Engineer
Illinois # 062-06080870
Indiana # PE11500027

Certifications:
Certified Floodplain Manager
Certified Professional in Erosion and Sediment Control
Designated Erosion Control Inspector
Fox Water Reclamation District Inspector

Education:
Northwestern University
Evanston, Illinois
Master of Science
Project Management

University of Illinois at Chicago
Chicago, Illinois
Bachelor of Science
Civil Engineering

Affiliations:
American Society of Civil Engineers
Illinois Association of Floodplain and Stormwater Management

Workshop Training:
CMAP: Designing for Bicycle Safety
IDOT: Bicycle and Pedestrian Accommodations
IDOT S33, Soils Field Testing and Inspection
IDOT S11, Bituminous Concrete Field Inspection
IDOT Documentation of Contract Quantities

Profile:

Anthony Martini is a Registered Professional Engineer who joined Mackie Consultants in 2003 and has gained over 13 years of experience in civil site and transportation design. This experience includes the design and coordination of large, multi-disciplined improvement projects throughout Illinois and Indiana. As a component of this experience, Anthony has executed key roles in the planning, design and the construction of numerous transportation projects (Phase I/II/III). He is highly skilled in the design of land development projects, the preparation of Contract Documents & Specifications, public testimony, entitlements, construction management and contract administration duties.

Technical work has included detailed design work consisting of modeling of surface water hydrology, hydraulic analysis and design, regulatory floodway map revisions, compensatory storage design, tunneling, lift station design, earthwork analysis, grading plan preparation, sanitary and water main networks, development of USGBC LEED Certified sustainable sites, roadway drainage and geometrics, investigative studies and cost estimating.

Relevant Project Experience:

- FMC Natatorium Project (proposed), to be located in Westmont, Illinois
- Chicago Fire Soccer Center for Talman Soccer LLC, located in Chicago, Illinois;
- The Park at Rosemont for the Village of Rosemont, Rosemont, Illinois;
- Community Unit School District 200 Facility Improvements, Wheaton, Illinois;
- Village of South Elgin Public Works Municipal Facility & Salt Dome, Village of South Elgin, Illinois. This project was selected as an American Public Works Project Association *Project of the Year* in the category Structures –$5 Million to $25 Million.
- Operations Support Facility for Allendale Association's 30-acre campus, located in Lake Villa, Illinois;
- Leslie Shankman School Improvements for OWP&P, located in Chicago, Illinois;
- 165 West Superior for Magellan Development Group located in Chicago, Illinois;
- Illinois Route 31 at Bowes Road Intersection Improvements for the Village of South Elgin, South Elgin, Illinois;
- Illinois Route 25 at Kenyon Road Intersection Improvements for the Village of Bartlett, located in Bartlett and South Elgin, Illinois;
- Fashion Outlets of Chicago for Macerich and AWE Talisman, located in Rosemont, Illinois;
- Rose Street Roundabout for the Village of Rosemont, located in Rosemont, Illinois;
- Lafayette-Barker Storm Sewer Interceptor Project for the Michigan City Sanitary District located in Michigan City, Indiana;
- Berens-Monaldi Flood Control Project – Phase II for the Town of Dyer, Indiana;
- Ranburn Woods Drainage Project, for the Army Corp of Engineers, located in Gary, Indiana;
- St. Margaret Mercy Flood Control Project for St. Margaret Mercy Healthcare Center, located in Dyer, Indiana;
- Sonatas, Orchard Lake, Brookmere, Lake Ridge and Remington Pointe Subdivision site investigations for Ryland Homes, in various locations throughout Chicagoland;

ROBERT J. BACHKOSKY, PE, CFM, CPESC

SENIOR PROJECT ENGINEER III

rbachkosky@mackieconsult.com



Registration:
Professional Engineer
Illinois # 062-059413

Certifications:
Certified Floodplain Manager
Certified Professional in Erosion and Sediment Control
Designated Erosion Control Inspector – Lake County, IL
NRMCA Certified Pervious Concrete Technician
Fox Water Reclamation District Inspector

IDOT Certifications and Classes:
S14, Documentation of Contract Quantities (Cert #15-0003)
S33, Soils Field Testing and Inspection
IDOT Mixture Aggregate Technician
IDOT HMA Asphalt/Bituminous Concrete Level 1 Technician
IDOT HMA Asphalt/Bituminous Concrete Level 2 Technician
IDOT Nuclear Density Tester Course
Portland Cement Concrete (P.C.C.) Level 1 Technician
Portland Cement Concrete (P.C.C.) Level 2 Technician

Education:
Purdue University
West Lafayette, Indiana
Bachelor of Science
Civil Engineering

Profile:

Rob Bachkosky is a Registered Professional Engineer with over 15 years of experience in civil engineering design and construction. His Phase I/II duties have included preparation of construction plans, specifications, and construction cost estimates for residential, commercial, industrial, recreational and transportation related projects. Rob has prepared contract documents and provided construction inspection, management, and contract administration duties on numerous transportation projects.

Mr. Bachkosky has been certified by the Illinois Department of Transportation to complete the duties as a Resident Engineer for Phase III projects. He is experienced in stormwater management, underground utility design, grading and earthwork analysis, project permitting, and land planning. Rob has extensive knowledge regarding the NPDES regulations, including completion of Stormwater Pollution Prevention Plans as well as NPDES monitoring and reporting. Rob's experience includes completion of soil erosion and sediment control site observations, monitoring site conditions for compliance with NPDES regulations, and working closely with developers and local enforcement officers to modify the Stormwater Pollution Prevention Plan as conditions warrant on multiple municipal, residential, and commercial projects throughout the Chicagoland area.

Relevant Project Experience:

- Illinois Route 31 (La Fox Road) and Bowes Road Intersection Improvements for the Village of South Elgin, South Elgin, Illinois;
- Illinois Route 25 at Kenyon Road Intersection Improvements for the Village of Bartlett, located in Bartlett and South Elgin, Illinois;
- Lyons Memorial Park Site for the Village of Lyons, located in Lyons, Illinois;
- McCook Athletic Exposition Center for the Village of McCook, located in McCook, IL;
- Virginia Road (County Highway 45) Roadway Improvements for Waste Management, located in Crystal Lake, Illinois;
- Smith Park Reconstruction (OSLAD Grant Project) for the Village of Lyons, located in Lyons, Illinois;
- Phase V Capital Improvement Project for the Town of Cedar Lake, located in Cedar Lake, Indiana;
- Virginia Road Property Mass Grading and Site Reclamation for Curran Contracting, located in Crystal Lake, Illinois;
- Fall 2012 DuPage County Sidewalk Reconstruction for DuPage County, located in Wheaton, Illinois;
- Prairie Pointe Subdivision for the Village of South Elgin, located in Elgin, Illinois;
- Thornton Berm Project for Reliable Materials, located in Thornton, Illinois;
- Michael Cimbalo Fitness Center and Museum Improvement Project for the Veterans Park District, located in Melrose Park, Illinois;
- Bluff Springs Fen Restoration Project for Bluff City Materials, located in Elgin, Illinois;
- Waste Transfer Facilities for Waste Management, located in Elgin and Crystal Lake, Illinois;
- River Hills Subdivision Phase 3C for K. Hovnanian Homes, located in Bolingbrook, IL;
- Prairie Pointe Phase 1 Punchlist Completion for The National Bank, project located in South Elgin, Illinois;
- Prairie Pointe Subdivision, Phase 2, for K. Hovnanian Homes, project located in South Elgin, Illinois;
- Lake in the Hills RAS Facility for Southwind RAS, located in Lake in the Hills, Illinois;
- Thornton RAS Facility for Southwind RAS, located in Thornton, Illinois;
- Copart Facility Expansion, located in Elgin, Illinois;
- Hampshire Grove Onsite/Offsite Sewer and Watermain Cost Analysis for Robert Arthur Land Company, located in Hampshire, Illinois.

KLOA, Inc. Firm Profile

Bensenville Qualifications Submission - Design Engineering Services

Since its formation in 1995, Kenig, Lindgren, O'Hara, Aboona, Inc. (KLOA, Inc.) has developed into a "specialized" traffic engineering firm with technical expertise in some of the exact service areas that are the subject of this Request for Qualifications. KLOA, Inc. has a single office at 9575 W. Higgins Road in Rosemont, Illinois with a staff of transportation engineers and planners whom represent a wide array and talent and experience, and have solved transportation challenges for both limited and broad scopes.

KLOA, Inc. is a licensed professional design firm and professional engineering corporation in the State of Illinois. **We are one of only a select number of firms that have been pre-qualified with Cook County to perform Traffic Studies and Traffic Signal Design.** We are also pre-qualified with the Illinois Department of Transportation (IDOT) in Traffic Studies, Safety Studies, and Traffic Signals-Plans, Specifications & Estimates.

KLOA, Inc. has a history of providing competent and professional traffic engineering services to numerous municipalities, counties, medical and educational institutions, and private developers in the greater Chicago area. We have prepared thousands of traffic studies of near every type of land use, and have prepared traffic signal warrant studies, intersection design studies, pedestrian crossing enhancements/signals, and traffic signal design plans along State, County and local roadways throughout Cook County, Northeastern Illinois, and the greater Midwest. Many of these studies and design plans were developed in coordination with the Cook County Department of Transportation and Highways and the Illinois Department of Transportation.

KLOA also serves as a traffic consultant to several municipalities in the Chicago region, including La Grange, Lombard, Villa Park, Darien, Wheeling, Lake Forest, and Mount Prospect among others. We have prepared or reviewed traffic studies for these clients, collected traffic data, coordinated projects with Cook County and IDOT, designed traffic signals, written traffic study preparation guidelines, prepared CMAQ applications, and testified before their Plan Commissions and Village Boards.

KLOA is also very familiar with the Village of Bensenville, having perform traffic studies and traffic signal design projects both for the Village and for private development proposals within the Village. Projects have included the Legends Golf Course/Downtown Development Opportunities project for the Village (Hickcock Design Group team), a traffic operations analysis of Main Street (Church Road-York Road), a new Speedway gas station at Irving Park Road/Marshall Road including modifications to the IDOT traffic signal, Traffic and Parking Studies for the reconstruction of Tioga Elementary School and Johnson Elementary School, and the Walgreens Pharmacy at 5 W. Irving Park Road, among others.

Given our extensive experience and knowledge, KLOA, Inc. is very flexible and particularly suited to performing Task Order contracts under short notice and with a quick turnaround. Our firm carries low overhead and we pass these cost savings along to our clients to offer economic value for the services provided.

KLOA
Kenig,Lindgren,O'Hara,Aboona,Inc.

KLOA Project Staff

KLOA, Inc. will commit senior-level personnel to any task order whom are highly experienced in traffic engineering studies and design.

Eric Russell, P.E., PTOE, PTP, LEED AP ND, a Principal of the firm, will lead efforts on projects requiring traffic engineering, transportation planning, traffic operations analysis, pedestrian safety, parking, or any form of data collection. He serves in a similar capacity to the Village of La Grange and the City of Lake Forest. Mr. Russell has more than 27 years of experience managing traffic, transportation, and parking planning and engineering assignments for counties, municipalities, school and park districts, library districts, universities and medical centers, and private developments. Mr. Russell is also versed in providing grant writing assistance to communities, including CMAQ applications through CMAP. Mr. Russell is a registered Professional Engineer in the State of Illinois, is certified as a Professional Traffic Operations Engineer, Professional Transportation Planner, and Traffic Signal Operations Specialist, and is a LEED Accredited Professional in Neighborhood Development.

Dana M. Schnabel, P.E., PTOE, a Principal Traffic Signal Design Engineer of the firm, will lead efforts on projects requiring modifications to existing traffic signals, development of new traffic signals, or upgrades to existing pedestrian crossings. Mr. Schnabel has more than 20 years of experience in traffic engineering and traffic signal design, including intersection design studies, traffic signal interconnect plans, emergency vehicle preemption, railroad interconnect, geometrics, intersection safety studies, signalized pedestrian crossings, and Phase II signal design plans. He has managed numerous design projects on U.S. and Illinois State Routes in Region One/District One as well as County highways and municipal roadways. He is also well-versed in AutoCADD, MicroStation, AutoTURN, and HCS2010. Mr. Schnabel is a registered professional engineer in Illinois, Indiana and Wisconsin, and is a certified Professional Traffic Operations Engineer.

KLOA
Kenig, Lindgren, O'Hara, Aboona, Inc.

Project Experience Sheet







Project: Main Street Triangle Traffic Impact Study, Signal Warrant Studies, Intersection Design Studies, and Traffic Signal Design Plans

Client: Village of Orland Park
Contact: Bob Sullivan
(708) 403-6115

Completion Date: 2010 - 2014

Project Consultant: Eric D. Russell, PE, PTOE, PTP

Location: Orland Park, Illinois

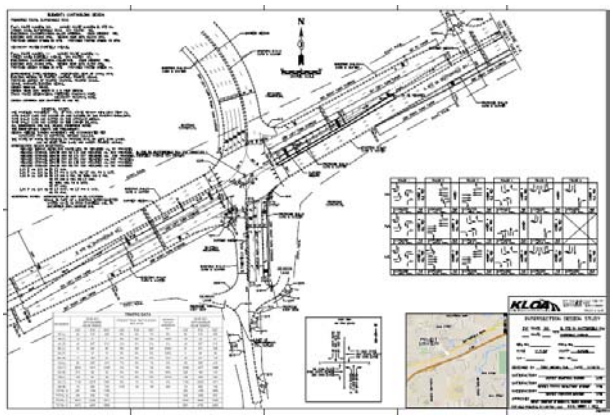
Services: Kenig, Lindgren, O'Hara, Aboona, Inc. (KLOA, Inc.) was retained by the Village of Orland Park to conduct a Traffic Impact Study for the Main Street Triangle development, a 23.7-acre mixed-use transit-oriented development located next to the Village's new 143rd Street Metra station. The development will consist of approximately 121,500 square feet of retail space, 105 condominiums, 100 townhomes, and public parking for the new Metra station. Significant roadway improvements were recommended to accommodate the development in the already congested La Grange Road corridor, including the widening of La Grange Road (US 45) and 143rd Street. Two major access drives serve the development, one on La Grange Road at 142nd Street and the other on 143rd Street at Ravinia Avenue. Both locations required traffic signal control.

Throughout the planning process, KLOA, Inc. consulted with the development team (Related Midwest, Hitchcock Design Group, SPACECO, Inc., Sullivan Goulette & Wilson) on site circulation, parking, pedestrian/bicycle access, and roadway access issues. KLOA, Inc. also worked with the Illinois Department of Transportation (IDOT), on behalf of the Village, to gain permits for the new traffic signals.

As a follow up to the initial traffic impact study, KLOA, Inc. prepared traffic signal warrant studies, intersection design studies and traffic signal design plans for the two major access points to the development. KLOA, Inc. also prepared follow-up traffic studies for infill developments on the site, including Ninety 7 Fifty on the Park and the University of Chicago Medicine Center for Advanced Care.

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Kenig, Lindgren, O'Hara, Aboona, Inc.

Project Experience Sheet





Project: On-Call Traffic Engineering Services

Client: Village of Lombard
Bill Heniff
Community Development Director
(630) 620-3599

Location: Lombard, Illinois

Completion Date: 2002-Present

Team Members: None

Project Consultants: Javier Millan

Services: In its capacity as the Village of Lombard's traffic consultant, KLOA, Inc. has been retained on numerous assignments over the past 13 years to provide traffic engineering expertise in the form of project reviews, traffic analysis, traffic studies, and intersection/traffic signal design plans. The various service areas are listed below and have represented a multitude of land uses. Notable projects have been conducted for Yorktown Mall, Westin Hotel & Conference Center, Lombard Commerce Center, Sam's Club, Highlands of Lombard, St. Charles Road corridor study, Finley Avenue/Butterfield Road IDS, Main Street/Park Avenue signal evaluation, and several developments in the downtown area.

- Site Plan Reviews
- Traffic Studies
- Parking Studies
- Traffic and Parking Study Reviews
- Traffic Evaluations for numerous land uses
- Corridor Studies
- Traffic Signal Warrant Analyses
- School Circulation Studies
- Intersection Design Studies
- Traffic Signal Design Plans
- Expert Testimony at Public Meetings

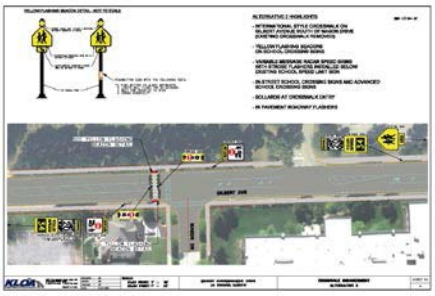
KLOA
Kenig, Lindgren, O'Hara, Aboona, Inc.

Project Experience Sheet













Project: Lyons Township High School South Campus Traffic Circulation and Pedestrian Safety Plan

Client: Lyons Twp High School District 204
Contact: Timothy B. Kilrea, Ed. D.
Superintendent of Schools
(708) 579-6451

Location: Western Springs, Illinois

Completion Date: 2010-2015

Project Consultants: Eric Russell, PE, PTOE
Luay Aboona, PE

Services: In its capacity as the Village of La Grange's traffic consultant, KLOA, Inc. has been repeatedly retained for various assignments ranging from traffic studies, school access/circulation plans, school zone safety studies, pedestrian and bicycle crossing enhancements, road diet studies, speed studies, and traffic signal design.

A recent project for the South Campus of Lyons Township High School included a study of traffic access and circulation, school bus staging, drop-off/pick-up, and pedestrian safety. KLOA developed circulation options for District 204 to consider, then worked with the District to establish consensus on a preferred plan.

As a follow-up to the study, KLOA utilized Federal funding secured by the villages of La Grange and Western Springs to develop Phase 1 and Phase 2 engineering plans for several of the improvements recommended in the study, including the signalization of the school's access driveway on Gilbert Avenue, pedestrian crossing enhancements on Gilbert at Mason Drive, and the reconfiguration of the drop-off/pick-up circulation on campus.

The reconfiguration of the campus driveways was completed this past school year and the new traffic signal and pedestrian crossing signs with rectangular rapid flashing beacons were activated in August 2015 in time for the 2015/2016 school year. KLOA is currently working with District 204 on a circulation study for the North Campus.

Eric D. Russell — *Principal*

Education	Master of Business Administration (Real Estate Development), George Washington University Bachelor of Science in Civil Engineering (Transportation), University of Cincinnati
Registrations	Professional Engineer in State of Illinois
Certifications	Professional Traffic Operations Engineer Professional Transportation Planner Traffic Signal Operations Specialist LEED Accredited Professional – Neighborhood Development
Professional Associations	Institute of Transportation Engineers; American Planning Association
Experience	Mr. Russell is a traffic and transportation engineer/planner with more than 25 years of experience. Prior to joining KLOA, Inc. Mr. Russell was a Principal Associate with Parsons Corporation (Barton-Aschman Associates, Inc.). He has served as project manager on a variety of public/private sector projects including multimodal transportation planning; traffic impact, parking demand, & shared parking studies; transportation management plans; roadway geometric concept plans; parking facility layout; sign & pavement marking plans; freeway access studies, traffic simulation/operations analysis; traffic signal design/warrant studies; pedestrian studies; & bicycle facility planning.
Representative Projects	Transportation Plans & Corridor Studies: Grundy Co, IL; Will Co, IL; Cary, IL; Carbondale, IL; Plainfield, IL; Frankfort, IL; Tinley Park, IL; Rock Island, IL; Manhattan, IL; Schiller Park, IL; Schaumburg, IL; Cortland, IL; Bourbonnais, IL; Rolling Meadows, IL; Ottawa, IL; Oswego, IL; Blue Island, IL; Ames, IA; Kinzie, Armitage, Burnside, Pullman & Calumet Industrial Corridors, Chicago, IL; 79th St, Chicago, IL; Bolling Air Force Base & Union Station/North Capitol St, Washington, DC. Traffic Impact Studies: Numerous studies of residential, commercial, institutional, event centers, casinos, and mixed-use developments throughout greater Chicago, Washington, DC & Detroit and in CO, DE, IA, IL, MD, NC, NY, OH, PA, SD, VA & WI. Traffic Speed/Safety/Calming Studies: O'Hare Airport, Chicago, IL; Citywide, Darien, IL; Ogden Ave & Gilbert Ave, La Grange, IL; Hinsdale Central High School, Hinsdale, IL; Hinsdale South High School, Darien, IL; Gurnee Plaza, Gurnee, IL; Schaumburg Christian School, Schaumburg, IL. Traffic Signal/Multiway Stop Warrant Studies: River Rd/Ivanhoe St, Schiller Park, IL; Sheridan Rd/IL 176, Lake Bluff, IL; Winchester Rd/Technology Way, Libertyville, IL. Traffic Signal Design: W Harrison St, Chicago, IL; Georgia Av/Forest Glen Rd, Montgomery Co, MD. Traffic Forecasting & Origin-Destination Travel Surveys: 47th St, La Grange, IL; Balmoral Ave, Rosemont, IL; Burr Ridge Corp. Park, Burr Ridge, IL; Milwaukee Freeway System, Milwaukee, WI. Transportation Management Plans: Capitol Hill, Washington, DC; PEPCO, Alexandria, VA. Campus Traffic/Parking Planning: University of Chicago, University of Illinois at Chicago, DePaul University, Loyola University Chicago & Illinois Medical District, Chicago, IL; Little Company of Mary Hospital, Evergreen Park, IL; Northern Illinois U, DeKalb, IL; Iowa State U, Ames, IA. Parking Demand & Shared Parking Studies: Burlington Square Mall & Greektown Casino, Detroit, MI; Genesee Valley Center, Flint, MI; Physicians Memorial Hospital, La Plata, MD; Firelands Community Hospital, Sandusky, OH; St. Viator High School, Arlington Hts, IL; Uptown Park Ridge, IL; North Grand Mall, Ames, IA; Fox College, Orland Park, IL; John Shedd Aquarium, Chicago, IL. Parking/Loading Facility Layout: Salisbury Mall, Salisbury, MD; Fashion Place Mall, Prince William Co, VA; Kinzie, Stevenson & Brighton Park Industrial Corridors, Chicago, IL; proposed Redskins Football Stadium, Washington, DC; Aberdeen Train Station, Aberdeen, MD. Interchange Feasibility Studies: I-80/Brisbin Rd, Grundy Co, IL. Bikeways: Bicycle facility selection criteria and design standards, Montgomery Co, MD. Pedestrian Studies: Safe Walking Routes to School, Oak Park, IL; 601 W. Monroe, Chicago, IL. Geometric Concept Plans, Trailblazing Sign Plans, Pavement Marking Plans & Maintenance of Traffic Plans: O'Hare & Midway Airports, Chicago, IL; NAVSTA Great Lakes/Ft. Sheridan, Highland Park, IL; Pullman National Monument, Chicago, IL; Rivers Casino, Des Plaines, IL; National Geographic Society, Gaithersburg, MD; City Center, San Jose, CA; I-15, Salt Lake City, UT.

Dana M. Schnabel — *Principal Traffic Signal Design Engineer*

Education

Bachelor of Science in Civil Engineering
Valparaiso University

Registrations

Professional Engineer in the States of Illinois, Indiana, and Wisconsin

Certifications

Professional Traffic Operations Engineer (PTOE)

Experience

Mr. Schnabel is a traffic signal design engineer with more than 20 years of experience specializing in intersection design studies, signal design/construction documents, large interconnect corridors, emergency vehicle preemption, railroad interconnect, geometrics, and intersection safety studies for both private and public sector clients. Prior to joining KLOA, Inc. Mr. Schnabel was employed by other transportation consulting firms and the Kane County Division of Transportation.

Representative Projects

Intersection Design Studies (IDS), Traffic Signal Design and/or Signal Interconnect Plans: Completed for over 250 new or modified traffic signals under the following jurisdictions:

- Illinois Department of Transportation
- Wisconsin Department of Transportation
- Kane County, Will County, DuPage County, Cook County, McHenry County, Lake County, IL
- City of Chicago Department of Transportation
- Municipalities of Aurora, Batavia, Carpentersville, Channahon, Crest Hill, Downers Grove, Evergreen Park, Geneva, Gurnee, Hanover Park, Hoffman Estates, Kildeer, Lake in the Hills, Lemont, Lincolnshire, Lincolnwood, McHenry, Montgomery, New Lenox, Naperville, Northfield, North Riverside, Ottawa, Romeoville, Vernon Hills, West Chicago, Yorkville, IL; Cudahy, Madison, Menomonee Falls, Milwaukee, WI; Portage, Schererville, Whitestown, IN; Grand Prairie, Dallas County, TX.

CMAQ Traffic Signal Interconnect Design: Plans completed for Kane County, Will County, Cook County, City of Evanston, and Village of Schaumburg, Illinois.

Emergency Vehicle Preemption Design: Plans completed for Crest Hill, Park Ridge, Bensenville, IL.

HAWK Traffic Signal Design: Plans completed for Dallas County, TX.

Rail Crossing-Traffic Signal Interconnect Design: Plans completed to interconnect traffic signals with railroad crossing gates/signal systems in McCook, Barrington Hills, Oak Lawn, Bensenville, IL.

Intelligent Transportation System (ITS) Design: Plans completed for the Illinois Tollway on I-294 at 95th Street, including new Dynamic Message Signs (DMS) and queue detection cameras.

Crosswalk Safety Design: Midblock crossing improvement plans prepared for La Grange, IL, including pedestrian actuated warning signs with flashers, marked crosswalk with in-pavement flashers, bollards, electrical power connection, and ADA ramping.

School zone flasher design: Plans prepared for Hodgkins, IL, including solar powered flasher system and signing upgrade.

Preliminary Geometric Plans: South Beloit, Bloomingdale, Channahon, IL; Whitestown, IN.

Resident Engineering on Interconnect Construction Projects: Randall Road, Kane County, IL.

GPS/GIS sign inventory: Village wide sign inventory for Oak Park, IL.

Countywide Speed Studies, Traffic Counts, Sign Inventory, Various Intersection Traffic Safety Enhancements: Kane County, IL.



Mackie Consultants, LLC
9575 W. Higgins Road, Suite 500
Rosemont, IL 60018
(847)696-1400
www.mackieconsult.com

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Certified MBE/DBE Firm

Geotechnical Services • Construction Materials Testing

Main Office:

Plainfield, IL

NASHnal Soil Testing, LLC
23856 W. Andrew Road, Unit 103
Plainfield, IL 60585
Phone No. 630-780-5201
Fax No. 630-429-9099
Contact: Umar T. Ahmad, PE
Email: uahmad@nstengr.com

Branch Offices

Springfield, IL

NASHnal Soil Testing, LLC
2856 11th Street, Unit F
Springfield, IL-62703
Phone No. 217-816-1326
Fax No. 630-429-9099
Contact: Umar T. Ahmad, PE
Email: uahmad@nstengr.com

Union Grove, WI

NASHnal Soil Testing, LLC
20715 Durand Avenue, Unit G
Union Grove, WI-55182
Phone No. 262-864-1773
Fax No. 630-429-9099
Contact: Umar T. Ahmad, PE
Email: uahmad@nstengr.com

VILLAGE OF BENSENVILLE, IL

Request for Qualifications (RFQ)

Establishment of Short-Lists for Civil Engineering Services

Submittal date: October 19, 2017 3:00PM CST

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[x] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

Client#: 1047211 NASHNSOI

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 10/17/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer any rights to the certificate holder in lieu of such endorsement(s).

PRODUCER USI Ins Srvcs LLC Euclid-Prof 2021 Spring Road, Suite 100 Oak Brook, IL 60523 312 442-7200	CONTACT NAME: PHONE (A/C, No, Ext): 630 625-5219 FAX (A/C, No): 610 537-4939 E-MAIL ADDRESS: laurie.cloninger@usi.com
INSURED NASHnal Soil Testing, LLC 23856 W Andrew Rd Unit 103 Plainfield, IL 60585	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A : RLI Insurance Company — 13056 INSURER B : Hartford Accident & Indemnity Company — 22357 INSURER C : INSURER D : INSURER E : INSURER F :

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC OTHER:			PSB0002217	05/01/2017	05/01/2018	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$2,000,000 $1,000,000 $10,000 $2,000,000 $4,000,000 $4,000,000
B	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY X HIRED AUTOS ONLY SCHEDULED AUTOS X NON-OWNED AUTOS ONLY			83UECZH6584	05/01/2017	05/01/2018	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$1,000,000 $ $ $
A	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED RETENTION $			PSE0001706	05/01/2017	05/01/2018	EACH OCCURRENCE AGGREGATE	$4,000,000 $4,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		PSW0002050	05/01/2017	05/01/2018	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$1,000,000 $1,000,000 $1,000,000
A	Professional Liability			RDP0028812	05/01/2017	05/01/2018	$1,000,000 each claim / $2,000,000 annual aggr.	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Professional Liability is written on a 'claims made' policy form.

CERTIFICATE HOLDER

Village of Bensenville
717 E. Jefferson Street
Bensenville, IL 60106

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Litigation:

NO lawsuits against NASHnal Soil Testing, LLC.

NASHnal Soil Testing, LLC
23856 West Andrew Road, Unit 103, Plainfield, IL 60585
Ph. (630) 780-5201 Fax (630) 429-9099
www.nstengr.com

October 19, 2017

Village of Bensenville
Mr. Joseph M. Caracci, P.E.
Director of Public Wirks
Village of Bensenville
717 E. Jefferson Street
Bensenville, Illinois 60106
Phone: (630) 350-3435

Re: Request for Qualifications (RFQ)-Establishment of Short-Lists for Resident Engineering

Dear Sir,

NASHnal Soil Testing, LLC (NST) is pleased to submit our proposal for the above mentioned Contract. Our overall depth of experience and our qualifications are uniquely suited to performing the necessary services for this Contract. We can provide the services required as specified in the RFQ in a timely and professional manner and look forward to working with you.

NST is a full service organization, which provides geotechnical investigation, construction inspection, and material testing services to clients in both the private and public sectors. Our Principals have over 26 years of combined experience in the related fields. NST has been providing subsurface soil investigations, construction inspection and material testing services to developers, contractors and public sector in multiple locations. NASHnal Soil Testing, LLC was started in 2010 in Naperville and now has additional offices in Springfield, IL and Union Grove, WI. Our engineers have professional Engineers certificates with IL, WI, MO, IN, TX.

NASHnal Soil Testing, LLC (NST) is accredited by **AASHTO/AMRL & CCRL.** NST is also certified by US ARMY CORPS OF ENGINEERS **(USACOE).** Additionally, NST is a certified Disadvantage Business Enterprise **(DBE)** accepted by **IDOT, UPRR** and other governmental agencies. NST is Certified as minority business enterprise by the **City of Chicago** & accepted by **Cook County** and other Public agencies. NST is also certified by **SBA** under **8(a) BD** program (NAICS Codes 541330 & 541380) for all projects where federal funds are involved.

We are **pre-qualified** in **Construction Inspection (Special Services), General Geotechnical Services and Structure Geotechnical Reports (SGR), Quality Assurance HMA & Aggregates (Special Services) and Quality Assurance PCC & Aggregates(Special Services)**

NASHnal Soil Testing, LLC understands the importance of carrying out the required engineering services along with providing a safe and functional construction work zone for all parties involved. We understand the challenges such as traffic maintenance, environmental constraints, budget constraints schedule constraints and design challenges. Regardless of the project size or scope, we provide skilled and knowledgeable inspectors to assist our clients in managing risk in the construction project and in supporting their responsibility to the environment. In addition we understand the need to be proactive with the local businesses and residents to minimize disruptions and apprizing all of the construction sequencing.

Based on the project goals we have assembled a strong project team with extensive experiences in successful execution and delivery of similar projects. Our team will ensure the necessary capacity and support the required specializations for successful project delivery. We understand that the scope of the engineering service may include, but is not be limited to performing onsite inspections, review layout of contract including design changes, provide geotechnical inspection and testing, prepare records, maintain documentation, submit pay estimates and change orders and any other duties requiring the services of an engineer to complete this project on a timely basis and in accordance with IDOT specifications

NST will perform all tasks associated with this project in accordance with the projects technical specifications and special provisions. The laboratory services will be performed by certified lab professionals. **The construction inspection services will be performed by certified Union field inspectors**. In addition, all wages will be paid in accordance with current **Prevailing Wage Act**. All laboratory testing and construction inspection services will be supervised by a registered professional Engineer. Please do not hesitate to call me if you have any questions whatsoever regarding this submittal.

.

Best Regards,

Umar Ahmad, P.E
NASHnal Soil Testing, LLC
23856 W. Andrews Road, Unit 103
Plainfield, IL-60585
Phone: (630) 780-5201
Email: uahmad@nstengr.com

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

February 9, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Umar Ahmad
NASHnal Soil Testing, LLC
1707 Quincy Avenue
Unit 151
Naperville, IL 60540

Dear Umar Ahmad,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $2,800,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 175.00% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR NASHnal Soil Testing, LLC

CATEGORY	STATUS
Geotechnical Services - Subsurface Explorations	A
Geotechnical Services - Complex Geotech/Major Foundation	A
Geotechnical Services - Structure Geotechnical Reports (SGR)	X
Special Services - Construction Inspection	X
Geotechnical Services - General Geotechnical Services	X
Special Services - Quality Assurance HMA & Aggregate	X
Special Services - Quality Assurance PCC & Aggregate	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

State of Illinois

Department of Financial and Professional Regulation

Division of Professional Regulation

LICENSE NO
184.006256-0002
062.055148

The person, firm, or corporation whose name appears on this certificate has complied with the provisions of the Illinois Statutes and/or rules and regulations and is hereby authorized to engage in the activity as indicated below:

EXPIRES
04/30/2019

DESIGN FIRM - PROFESSIONAL ENGINEERING

NASHNAL SOIL TESTING LLC
1707 QUINCY AVE STE 151
NAPERVILLE, IL 60540-6690

BRYAN A. SCHNEIDER
SECRETARY

JESSICA BAER
DIRECTOR

The official status of this license can be verified at www.idfpr.com

11686718

List of Current Accreditations

1. Pre-qualified in **Construction Inspection (Special Services)-IDOT**
2. Pre-qualified **in General Geotechnical Services and Structure Geotechnical Reports (SGR)-IDOT**
3. Pre-qualified **in Quality Assurance HMA & Aggregates (Special Services)-IDOT**
4. Pre-qualified **in Quality Assurance PCC & Aggregates(Special Services)-IDOT**
5. **AASHTO/AMRL & CCRL** accredited Lab
6. **US ARMY CORPS OF ENGINEERS (USACOE)** certified Lab and Mobile Lab.
7. Certified Disadvantage Business Enterprise **(DBE)** accepted by **IDOT, UPRR** and other governmental agencies.
8. Minority Business Enterprise (**MBE**) by the **City of Chicago** & accepted by **Cook County** and other Public agencies.
9. Certified by **SBA** under **8(a) BD** program (NAICS Codes 541330 & 541380) for all projects where federal funds are involved.

Relevant Project Personnel Experience

Naperville Township Street Improvement, Naperville, IL: PM: Umar Ahmad: Project included quality control work of compaction testing during the placement of hot mix asphaltic binder and surface courses during resurfacing. Engineering services were provided for inspection and material testing. Principals and key employees of NST provided supervision, construction inspection and testing services. Responsibilities also included reviewing bituminous field and lab reports submitting the reports in a timely manner.

Emerson Drive- Macoupin County, Girard, IL: PM: Umar Ahmad: Project included cement treated mix design and compaction testing during the placement of cement treated bases. Engineering services were provided for inspection and material testing. We provided an on-site mobile lab for sample preparation and moisture content evaluation to better control the soil-cement mixture. NST representatives prepared samples using Proctor mold to determine compressive strength of soil-cement. Subsequently cores were taken to determine the thickness.

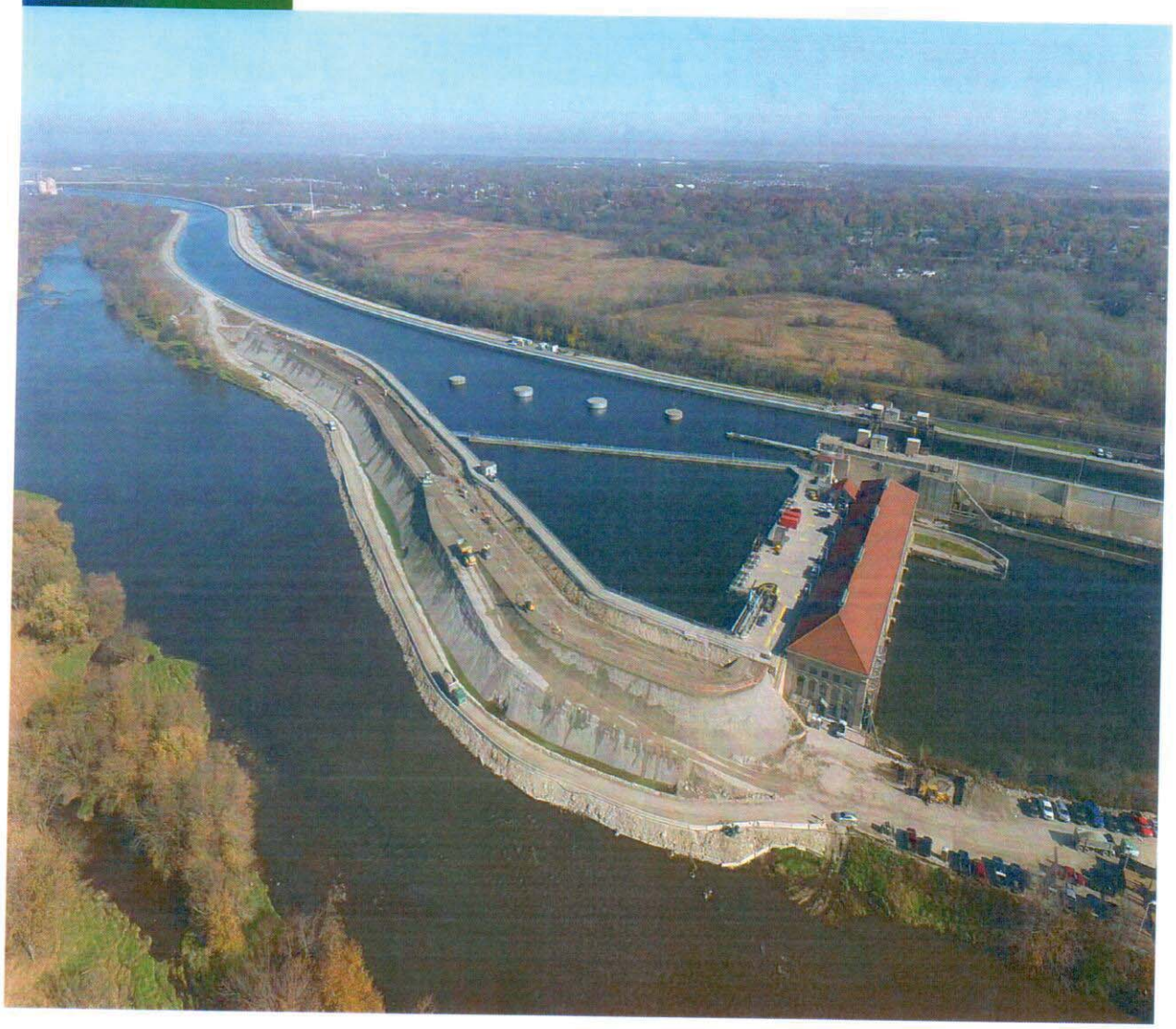
I-355 Veterans Memorial Tollway Widening & Resurfacing – Downers Grove, IL – PM: Umar Ahmad: Provided Phase Ill engineering services for construction inspection and material testing for the $ 48 million widening and resurfacing of I-355 tollway from 75th St. to Ogden Ave. Principals and key employees of NST provided supervision, construction inspection and testing services. The project included full depth pavement reconstruct, pavement resurfacing, expansion of four bridges including one over a railroad, retaining wall, storm water drainage systems, signage, pavement markings, maintenance of traffic, earthwork, and modifications to center median barrier. Testing services included determining the suitability of in-place and imported soils, compaction testing along with the concrete field inspection and laboratory services to provide concrete compressive strength and gradation analysis. Monitored construction Inspection and materials testing in the field and laboratory to ensure compliance with contract specifications and proper documentation of the project.

I-90 Jane Addams Memorial Parkway Rebuilding and Widening – Rockford, IL - PM: Umar Ahmad: Provided engineering services for construction inspection and material testing for the rebuilding and widening of I-90 Western segment. This overall $2.5 billion project included 37 miles of new roadway with added lanes in each direction, reconstruction of bridges over local roads and mainline bridges, retaining walls, noise walls and drainage system. Principals and key employees of NST provided supervision, construction inspection and testing services. Responsibilities also included reviewing soil, bituminous, and concrete field and lab reports and material document control through IMIRS.

I-290 and I-94 Interchange – Chicago, IL - PM: Umar Ahmad: Provided Phase III engineering services as required for construction Inspection and material testing at the Harrison St. and Halsted St. bridges. Work primarily included concrete pavement patching but also involved maintenance of traffic, pavement marking installation and material testing. Supervised construction inspection and materials testing staff, both in the field and laboratory to ensure compliance with contract specifications and proper project documentation as per IDOT specifications. Testing services were to determine the suitability of in-place and imported soils, compaction testing of soils along with the concrete field inspection and laboratory services to provide concrete compressive strength and gradation analysis.

I-88 and I-294 Widening and Resurfacing – Chicago, IL - PM: Umar Ahmad: Project included mainline resurfacing, widening and bridge repair and ramp resurfacing and widening. Engineering services provided for construction inspection and material testing. Our services were to determine the suitability of in-place and imported soils, compaction testing of soils along with the concrete field inspection and laboratory services to provide concrete compressive strength and gradation analysis.

I-59 and Cicero Ave Bridge Repair – Chicago, IL – Project Engineer: Jeyanthi Logaraj: Project included mainline resurfacing, widening and bridge repair and ramp resurfacing and widening. Engineering services provided for construction inspection and material testing. Our services were to determine the suitability of in-place and imported soils, compaction testing of soils along with the concrete field inspection and laboratory services to provide concrete compressive strength and gradation analysis.



LOCKPORT DAM



JOLIET RAILROAD BRIDGE



JOLIET TUNNEL UNDER RAIL ROAD



LOCKORT DAM CAISSONS



Bridge



LOCKPORT DAM CAISSONS



I-355



Rail Road Bridge



I-88 Toll Plaza



Rail Road Bridge Approach – Springfield IL

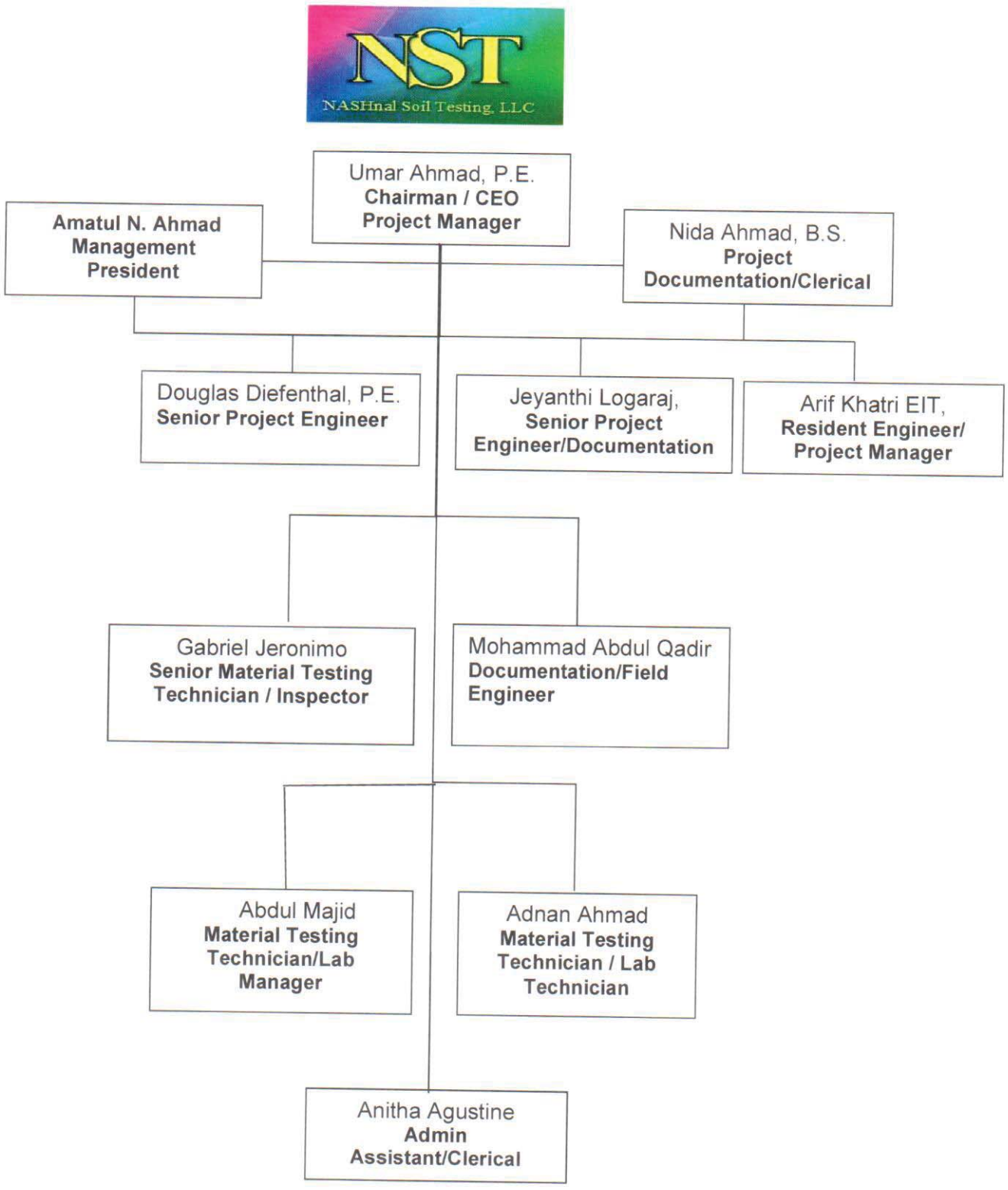
Firm Experience	
Project/Client	Emerson Airport Road/Thiems Construction for Macoupin County, Girard, IL
Scope of Work/Contractor/Client	The provision of soil-cement stabilization and Mix design using freeze-Thaw and Wet-Dry methods. Collected samples from several locations and performed Mix Design Laboratory study. Lab tests consisted of full gradation, Atterberg Limits, Proctors, molding and testing of compressive strength test cylinders with different cement contents. Phase III/Thiems Construction/Dale Watson-Project Manager (618) 401-4561
Project Team	Umar T. Ahmad, P.E-Project Manager, Douglas Diefenthal, P.E. Project Engineer, Jeyanthi Logaraj, Project Engineer, Lab Technician
Construction Cost/Fee/Year	/70,000/2016
Project/Client	Lockport Pool Rehabilitation Stage C, Lockport IL/ASI-ECI Joint Venture for US Army Corp of Engineers
Scope of Work/Contractor/Client	Construction of a 40 feet high and 1800 feet long Dam construction using 780,000 cubic yards of Roller Compacted Concrete (RCC). Phase III/ASI-ECI/Jordan Dutoi-Project Manager (719) 248-1715
Project Team	Umar T. Ahmad-P.E-Project Manager, Jeyanthi Logaraj-Project Engineer, Gabriel Jeronimo-Material Testing Technician
Construction Cost/Fee/Year	700,000,000/450,000/2015-2016
Project/Client	UPRR High Speed Railroad Tier 6-UD Tower/Ragner Benson
Scope of Work/Contractor/Client	Construction of 10 miles long High Speed Rail tracks for Union Pacific Railroad in Joliet and Reconstruction/Repair of Bridge Foundation and Columns and Sidewalks. Phase III/Northwest General Contractors, Inc./John Dziak-Project Manager (847) 698-4900
Project Team	Umar T. Ahmad-P.E-Project Manager, Jeyanthi Logaraj-Project Engineer, Gabriel Jeronimo, George Curtis-Material Testing Technicians
Construction Cost/Fee/Year	100,000,000/195,000/2014-15
Project/Client	UPRR High Speed Railroad Tier 3/R.T. Milord
Scope of Work/Contractor/Client	Construction of 73 miles long High Speed Rail tracks for Union Pacific Railroad in Springfield and Lincoln, IL and Reconstruction/Repair of Bridge Foundation and Columns and Sidewalks. Phase III/Fence Connection/Michael Verburg-Project Manager (630) 561-7945
Project Team	Umar T. Ahmad-P.E-Project Manager, Jeyanthi Logaraj-Project Engineer, Gabriel Jeronimo, Mathew Hesson-Material Testing Technicians
Construction Cost/Fee/Year	100,000,000/350,000/2014-17

Project/Client	Naperville Township Street Improvements/Brothers Paving for City of Naperville, IL
Scope of Work/Contractor/Client	Resurfacing of various streets in Naperville Township. Phase III/Brothers Paving/Jeffery J. Cuttone-Project Manager (630) 458-1762
Project Team	Umar T. Ahmad-P.E-Project Manager, Jeyanthi Logaraj-Project Engineer, Pankaj Patel-Material Testing Technician
Construction Cost/Fee/Year	10,000/2017

Staff Experience		
Name/Registration/Title	Years of Exp./@Firm	IDOT/Municipal Project Experience
Umar T. Ahmad, P.E. Project Manager	25/7	Emerson Airport Road, Girard IL for Macoupin County, Naperville Township Street Improvement project, I-355 Widening, I-294 &I-90 Intersection, I-290 & I-94 Intersection, I-88 Toll Plaza, -57 Manhattan-Monee Road Bridge Construction. Worked as project manager, Responsibilities include supervising material testing technicians and lab staff, reviewed all field and lab data for bituminous asphalt and concrete.
Douglas Diefenthal, P.E. Project Manager	17/2	Bliss/Wheeler at IL47 Improvements, Sugar Grove, IL; Culvert Project IL Rte. 59 N. of Petite Lake Road, Lake Villa, IL. Worked as project manager, Responsibilities include supervising material testing technicians and lab staff, reviewed all field and lab data for bituminous asphalt and concrete.
Arif Katri, Ph.D (EIT)/Resident Engineer	12/2	I-355 Veterans Memorial Tollway, I-94 Rebuild & Expansion Tollway, IDOT Local Roads in Districts 1, 2, 3 and 6. Worked as Project/Resident Engineer. In charge of developing and marinating project schedule, QC/QA responsibility and dealing with Tollway/IDOT contractors and maintaining project data on IDOT/Tollway reporting systems, inspection of daily project activities, measuring, documentation, etc.
Jeyanthi Logaraj Project Engineer/Documentation	17/3	Emerson Airport Road, Girard IL for Macoupin County, Naperville Township Street Improvement project, I-355 and I-88 Intermittent concrete pavement, I-294 &I-90 Jane Addams Memorial Tollway, I-88 and I-294 Intersection, I-294 Tristate Tollway-Road and Bridge Construction, I-355 Expansion, Joliet; Worked as project engineer/Documentation. Responsibilities include supervising material testing technicians and lab staff, reviewed all field and lab data for bituminous asphalt and concrete.

George Curtis Material Testing Technician/Material Coordinator	18/2	Old Orchard Shopping Center-IDOT #63566, Storm Water Sewer-I-90 IDIT #60F90, IL Route 62 over Salt Creek IDOT #60J00, Sheridan Road Evanston IDOT #63189. Worked as material coordinator/material testing technician. Responsibilities include footing inspection, proofroll observation, field compaction testing of soils, and asphalt and concrete testing.
Gabriel Jeronimo Material Testing Technician	10/2	Laraway Landfill, Joliet and Enbridge Tank Facility. Worked as material testing technician. Responsibilities include footing inspection, proofroll observation, field compaction testing of soils, and asphalt and concrete testing.

ORGANIZATION CHART



Umar T. Ahmad, P.E.

Chairman CEO

University of Nevada-Reno, Ph. D. Candidate
University of Nevada-Reno, MSCE, 1992
University of Punjab-Lahore, Pakistan, MS, Applied Geology, 1986
University of Punjab-Lahore, Pakistan, BS, Applied Geology, 1985

Certifications

IDOT Documentation of Contract Quantities – 2015
IDOT Hot Mix Asphalt – Level I, Level II, Level III – 2008
IDOT PCC - Level I, Level II, Level III - 2008
IDOT S 33 Geotechnical Field Testing and Inspection Certification
IDOT – Mixture Aggregate - 2008
IDOT Bituminous Concrete Density Tester (QA/QC Density Tester)– 2008
IMIR's & ICORS Training
ACI Concrete Inspection & Testing Level I – 2012
ACI Concrete Strength Testing Technician – 2012
ACI Concrete Laboratory/Aggregate Testing Technician – 2012
Nuclear Density Gauge Safety – 2014
Certified Radiation Officer – 2008
Visual Weld Inspection Training – ASNT Level II
Ultrasonic Weld Inspection Training – ASNT Level II
Magnetic Particle Inspection Training – ASNT Level II
Penetrant Testing Training – ASNT Level II
Precast/Pre-stressed PCI Level I, Level II, & Level III – 2011
Certified Floor Profiler Using F.A.C.E. Equipment – Floor Flatness/Levelness
Missouri QC/QA Training: Bituminous Technician, Concrete Field, Concrete Strength, Superpave QA/QC
IDOT Fundamentals of Storm Water Pollution and Erosion and Sedimentation Control 2014

Professional Licenses

Licensed Professional Engineer:
Illinois # 062-055148
Wisconsin # 34833-6
Indiana # 10200276
Michigan # 6201048936
Missouri # 2011007467
Nevada #14560
Tennessee #00115202

Professional Societies

Illinois Society of Professional Engineers (ISPE), Chicago Chapter – Past Vice President/Secretary
American Society of Civil Engineers (ASCE), Geotechnical Group, Chicago Chapter – Past Chair
National Society of Professional Engineers (NSPE), Member
American Council of Engineering Companies of Illinois (ACEC) Member

Experience

2010 to Present (NASHnal Soil Testing, LLC – Chairman, CEO)
Exceptional, visionary leader with over nineteen years of technical, business, and leadership experience in public and private sectors with the ability to formulate, execute, and adjust the business strategy as needed.

2006 to 2010 (GSG Material Testing, Inc. - Vice President / Junior Partner)
Sole responsible of daily operations of the business. Supervised all office staff including licensed professional engineers, junior engineers, secretaries, laboratory staff and field technicians. Interview potential employees for recruiting and team building. Client interface and technical consultation. Started a New Material Testing laboratory, purchased all equipment, calibrated and installed, trained technician and received AMRL, CCRL along with IDOT HMA, Concrete and Soils certifications. Responsible for reviewing all QA/QC reports (i,e Concrete, Asphalt, Pre-Stressed/Pre-Cast and Soils) prepared by field technician and typed by the junior engineers. These reports were then sent to clients within 24 hours via email.

2003 to 2006 (H. H. Holmes Testing Laboratories, Inc. - Marketing & Field Engineering Director)
Marketing Director - Responsible for strategic business initiative and execution of the business plan to achieve growth, profitability and business integration within Chicagoland and neighboring states. Some of the current responsibilities are: Increasing market visibility; Obtaining new business and maintaining client relations; Negotiation and administration of contracts; *Field Engineering Director* - Supervise and manage material testing laboratory and multiple construction projects. Responsible for reviewing technical reporting (i,e. daily field investigation work), client consultation related to field problems, trouble shooting, quality assurance and quality control *(QA/QC)* during construction of public works and private projects. Review and prepare geotechnical exploration reports. Personally responsible for budget preparation of all the material testing projects and monitoring the budget as the project progresses. Oversee all the field engineers' work, especially during field testing and. Pre-Stressed/Pre-Cast plant inspection

www.nstengr.com

NASHnal Soil Testing, LLC.
1707 Quincy Avenue, Unit 151
Naperville, IL 60540
314-587-5391
uahmad@nstengr.com

Umar T. Ahmad, P.E.

Experience Continued

2001 to 2003 (GME Consultants of Illinois, Inc. - Principal Engineer)
Consulting Engineer - Responsible for reviewing and updating the results of Subsurface exploration, Geotechnical data investigation and engineering studies for various design sections, report preparation and recommendations for design and construction. Pavement design, in accordance with IDOT, WisDOT and INDOT standards.

Supervise & Manage - Material testing laboratory and multiple construction projects. Responsible for reviewing daily field investigation reports, problem solving, quality assurance and quality control *(QA/QC)* during construction ofpublic and private projects. Perform review of field engineer's work. Supervise group of field technicians, senior technicians and mentoring the young engineers.

1992 to 2001 (Pezonella Associates, Inc. - Senior Geotechnical Engineer)
Started as junior engineer after college, promoted to project engineer, project manager and attained the highest rank as senior engineer at Pezonella Associates, Inc. Evaluation of bituminous and concrete material test results and cores to recommend mitigation as outlined by public works officials and other agencies for *QA/QC*. Enforcing adherence and verification of conformance to specification for general and public work's construction, which include site visit for contractors work evaluation and recommendations in case of discrepancy and problems in the field.

1987 to 1992 (University of Nevada - Reno)
Teaching/Research Assistant and Part time Tutor at the upward bound program in the University of Nevada-Reno. As Teaching Assistant, I demonstrated the Laboratory testing procedures to undergraduate student and help those students during the lab experiments and graded homework assignments. As a tutor at the upward bound program in the University of Nevada Reno, I taught Math, Science, Physics and computers to high school students. These students would come to us from less fortunate families who cannot afford private tutoring. These students were then provided help during and after school including weekends.

Specific Project Experience

I-355 Widening - *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data prior to submitting to Tollway.

I-294 & I-90 Intersection, Patch repair work - *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for bituminous asphalt prior to submitting to IDOT.

I-290 & I-94 Intersection, Patch repair work - *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for soils and asphalt, prior to submitting to IDOT.

I-88 Toll Plaza - *Project Manager.* Supervised Material testing technicians and laboratory staff, and reviewed all field and lab data for concrete, prior to submitting to IDOT.

I-57 Manhattan-Monee Road Bridge Constructions - *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for concrete, prior to submitting to IDOT.

Sheridan Road Reconstruction (Winnetka) - *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for soils and concrete, prior to submitting to IDOT.

Milwaukee Avenue & Harts Road Intersection (Niles), Reconstruction - *Project Manager.* Supervised Material testing technicians and laboratory staff, and reviewed all field and lab data prior to submitting to IDOT.

NST
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uahmad@nstengr.com

Umar T. Ahmad, P.E.

Experience Continued

Emerson Avenue & Maple Avenue Intersection (Evanston) Reconstruction - *Project Manager.* Supervised Material testing technicians and laboratory staff, and reviewed all field and lab data prior to submitting to IDOT.

Cook Street & Ash Avenue (Wauconda), Reconstruction - *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data prior to submitting to IDOT.

O'Hare Runway 10C/28C East End Taxiway - *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data prior to submitting to Contractor & OMP.
Various Chicago Public Schools, Chicago, IL- *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data prior to submitting to Public Building Commission, Chicago.

Grand Warehouse, Northlake, IL- *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data.

Great Lake Naval Station, Great Lakes, IL- Supervised material testing technicians and laboratory staff, and reviewed all field and lab data.

Grand Warehouse Expansion, Northlake, IL – Supervised Geotechnical Exploration and Laboratory Testing. Reviewed Boring Logs, field and lab data along with the Report prepared by junior engineers. Finalized, approved and signed the geotechnical exploration Report.

Forsyth Warehouse, Elk Grove Village, – Supervised Geotechnical Exploration and Laboratory Testing of a million square feet warehouse building. Reviewed Boring Logs, field and lab data along with the Report prepared by junior engineers. Finalized, approved and signed the geotechnical exploration Report.

Butterfield Road Buildings 4 & 5, Parks and Basin, Aurora, IL– Supervised Geotechnical Exploration and Laboratory Testing of two warehouse buildings. Reviewed Boring Logs, field and lab data along with the Report prepared by junior engineers. Finalized, approved and signed the geotechnical exploration Report.

Northtown Storage Building, Chicago, IL – Supervised Geotechnical Exploration and Laboratory Testing of a five story Storage building. Reviewed Boring Logs, field and lab data along with the Report prepared by junior engineers. Finalized, approved and signed the geotechnical exploration Report.

Tinley Park Commercial Development, – Supervised Geotechnical Exploration and Laboratory Testing of a 200 acres park commercial development with drives, parking lots and retaining walls. Reviewed Boring Logs, field and lab data along with the Report prepared by junior engineers. Finalized, approved and signed the geotechnical exploration Report.

Employment History

Time Period	Company Name	Title/Position
2010 to Present	*NASHnal Soil Testing, LLC.*	*Chairman -CEO*
2006 to 2010	*GSG Material Testing, Inc.*	*Vice President / Junior Partner*
2003 to 2006	*H. H. Holmes Testing Laboratories, Inc.*	*Marketing & Field Engineering Director*
2001 to 2003	*GME Consultants of Illinois, Inc.*	*Principal Engineer*
1992 to 2001	*Pezonella Associates, Inc.*	*Senior Geotechnical Engineer*

Douglas C. Diefenthal, P.E.

Senior Project Engineer

Master of Science in Civil Engineering
Northwestern University, Evanston, IL, 1978
Bachelor of Science in Civil Engineering
Rose Human Institute of Technology, Terre Haute, IN, 1971

Certifications

Repair and Strengthening of Concrete ACI, 2004
Phase II Environmental Site Assessment, ASTM, 2003
Hazardous Waste Management, University of Toledo, 1980
Deep Foundations, Boston, 2005
Phase I, II ASTM, Phoenix, AZ, 2008
ASCE Geotechnical Lecture Series 2000 thru 2012

Professional Licenses

Registered Professional Engineer:
Illinois # 062-037189
Wisconsin # 28879-006
Indiana # 19900659
Michigan # 6201028308
Ohio # 64564
Texas #102832

Professional Societies

American Society of Civil Engineers (ASCE),
Association of Engineering Geologists
National Groundwater Association
National Society of Professional Engineers
American Concrete Institute
American Public Works Association
National Drilling Contractors
National Well Water Associates

Experience

2015 to Present (NASHnal Soil Testing, LLC – Senior Project Engineer)
Exceptional, visionary leader with over thirty seven years of technical, business, and leadership experience in public and private sectors with the ability to formulate, execute, and adjust the business strategy as needed.

2014 to 2015 (Testing Services Corporation (TSC) - Principal Engineer)
Sole responsible of planning, supervision, analysis and report preparation for geotechnical investigations in Illinois. Responsible for monitoring sub surface exploration programs, supervision on in-situ and Laboratory testing, design and analysis of foundations for high rise buildings, pavements, bridges, earth embankment structures and excavations in accordance with IDOT, WisDOT and INDOT standards. Responsible for reviewing all QA/QC reports (i,e Concrete, Asphalt, Pre-Stressed/Pre-Cast and Soils) prepared by field technician and typed by the junior engineers. These reports were then sent to clients within 24 hours via email.

2001 to 2014 (H. H. Holmes Testing Laboratories, Inc. - Principal Engineer)
Responsible for reviewing and updating the results of Subsurface exploration, Geotechnical data investigation and engineering studies for various design sections, report preparation and recommendations for design and construction. Pavement design, in accordance with IDOT, WisDOT and INDOT standards. Supervised and managed material testing laboratory and multiple construction projects. Responsible for reviewing technical reporting (i,e. daily field investigation work), client consultation related to field problems, trouble shooting, quality assurance and quality control *(QA/QC)* during construction of public works and private projects. Review and prepare geotechnical exploration reports. Personally responsible for budget preparation of all the material testing projects and monitoring the budget as the project progresses. Oversee all the field engineers' work, especially during field testing.
Consulting Engineer - Responsible for reviewing and updating the results of Subsurface exploration, Geotechnical data investigation and engineering studies for various design sections, report preparation and recommendations for design and construction. Pavement design, in accordance with IDOT, WisDOT and INDOT standards.

Douglas C. Diefenthal, P.E.

Experience Continued

Supervise & Manage - Material testing laboratory and multiple construction projects. Responsible for reviewing daily field investigation reports, problem solving, quality assurance and quality control *(QA/QC)* during construction of public and private projects. Perform review of field engineer's work. Supervise group of field technicians, senior technicians and mentoring the young engineers.

Specific Project Experience

Bliss/ Wheeler at IL 47 Improvements, Sugar Grove, IL, - *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for bituminous asphalt prior to submitting reports.

Culvert Project, IL Rte 59 North of Petite Lake Road, Lake Villa, IL- *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for bituminous asphalt prior to submitting reports.

Sheridon Master Homeowners Association Slope Steability- *Project Manager.* Determined overall slope failure potential (global slope steability) of the north and south ravine slopes of the Scott Loop Ravine at the 8 defined critical sections. Remedial recommendations were made for increasing slope stability including drainage system improvements.

267 Northgate Parkway Condominiums, 5 Story Building, Wheeling, IL, - *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for bituminous asphalt prior to submitting to reports.

Integrated Facilities Solutions, Northwestern Healthcare Radio Surgery Room, Evanston, IL,- *Project Manager.* Supervised Geotechnical and material testing technicians and laboratory staff, and reviewed all field and lab data for soils and asphalt.

Alder Planetarium Addition, Chicago, IL - *Project Manager.* Analysis and report preparation of sub surface exploration for the Planetarium Addition.

Northwestern University Hospital and Building - *Project Manager.* Supervised foundation installation and slurry wall construction. Weekly Construction meetings were attended and report of all construction materials testing performed provided. Building was a 24 stories in height with radiological basement laboratory. Inclinometer installation and reports were performed during the basement excavation.

Guri Embankment Dam Slope Stability Analysis - *Project Manager.* The Guri embankment dam is the 8th largest by volume earth, rock fill and concrete embankment dam. Slope stability analysis using Modified Bishop's method were performed and steady state seepage, end on construction, rapid draw down, and seismic analysis in Chicago resulting dam design slope configurations. One three month period was spent in Venezuela in Caracas and on site assisting in design. In Chicago seepage analyses were performed along with settlement and core cracking studies.

Uribante Caparo Embankment Dam Material Exploration- *Project Manager.* A three month period was spent in the Venezuela Andes performing materials exploration for prosed embankment dam sites.

Deep Valley Engineering Geotechnical and Environmental Consulting Firm: (Owner/Operator) – *Owned and operated geotechnical and environmental consulting firm for 10 years. Firm operated 2 geotechnical drill rigs. Geotechnical foundation reports for commercial home builders, local municipality roadway projects, strip centers, residential homes and commercial warehouse buildings were performed. Numerous concrete, soil, and asphalt*

Douglas C. Diefenthal, P.E.

Experience Continued

construction material testing projects were performed.

Kelcon Builders, Inc. -Multistory Parking Garage, Des Plains, IL- *Project Manager-Geotechnical subsurface exploration written for multistory parking garage with maximum column loading of 674 kip and wall loading of 29kip/lf. Pressure meter testing was performed resulting in recommended net allowable bearing capacity of 15,000 psf for belled drilled pier deep foundations system. Seismic site recommendations and subgrade modulus recommendations were also provided.*

Employment History

Time Period	Company Name	Title/Position
2015 to Present	*NASHnal Soil Testing, LLC.*	*Senior Project Engineer*
2014 to 2015	*H. H. Holmes Testing Laboratories, Inc.*	*Principal Engineer*
2001 to 2014	*Testing Service Corporation*	*Principal Engineer*

Arif Khatri, Ph.D.

Resident Engineer/Project Manager

University of Wisconsin, Madison, Ph. D. in Civil and Environmental Engineering-200
University of Wisconsin, Madison, MS Construction Management-199
University of Bombay, India, BS, Construction Engineering-199

Certifications

IDOT Documentation of Contract Quantities
ACI Concrete Field Testing Technician
IDOT PCC Level-1
Soils Laboratory and Field Compaction Testing
Bituminous Concrete Density Tester (QA/QC Density Tester)
Asphalt Laboratory Testing
Concrete Field Inspection & Testing
Concrete Strength Testing Technician
ASCE Crane Safety Certification

Professional Licenses

Engineer-in-Training (EIT)

Professional Societies

American Society of Civil Engineers (ASCE)-Committee Member
ACI 355 Anchorage to Concrete.

Experience

Present (NASHnal Soil Testing, LLC, Naperville, IL – Senior Project Manager/RE)
Exceptional, visionary leader with over twelve years of technical expertise in transportation, government, power, land development and other areas. Supervise junior engineers, laboratory staff and field technicians. Involve in Lab equipment calibration and Lab certification. Train field and lab technicians for the projects. The scope of the services includes contractor oversight, contract document review along with soils, asphalt, concrete and reinforcing steel inspections.

2015 to 2015 (Bowman Consulting, Chicago, IL – Resident Engineer)
Manage complex multi-million dollar IDOT and Illinois Tollway projects. On-going and recently completed projects include complete reconstruction for cities of Hinsdale, Steger, Chicago Heights and Dixon in Illinois. Oversee the entire construction inspection team. Oversee construction inspection services and perform inspections as required to ensure compliance with concrete documents. Monitor construction activities and coordinate with design team and other project team members including applicable agencies and utilities. Maintain records of all project documents and correspondence. Monitor contractor compliance with all environmental and construction permits. Manage and distribute requests for Information (RFI's), Requests for Clarification (RFC's). Chair bi-weekly progress meetings and prepare and distribute minutes. Review contractor's proposals and prepare construction change orders. Monitor QC/QA progress and coordinate the performance of Special Inspections. Review and reconcile project schedule and provide updates regarding project progress. Review invoices and prepare contractor payments. Perform project closeout activities including inspections, completion of punch items, permit signoffs etc.

2014 to 2015 (Wendler Engineering, Inc., Dixon, Illinois-Resident Engineer)
Manage all activities of multi-million dollar projects of Rochelle and City of Dixon. Ensure compliance to all plans and specifications and identify and optimal working of construction personnel. Manage and maintain accurate field notes and maintain flow of technical information between all parties involved in the project. Oversee working of all engineering personnel and ensure compliance to specifications and construction schedule ad prepare all progress

www.nstengr.com

NASHnal Soil Testing, LLC.
1707 Quincy Avenue, Unit 151
Naperville, IL 60540
314-587-5391
uahmad@nstengr.com

Arif Khatri, Ph.D.

Experience Continued

reports. Manage project documentation including pay estimates, schedules, QC/QA and RFI's among other documentation.

2011 to 2014 (Hilti, Inc., Chicago, IL-Field Engineer)
In-charge of leading projects in the energy sector covering six stated with multi-million capital layout. Accountable for market development, coordination and implementation of local market strategies. Responsible for securing future business through specifications of company products by developing a strategic relationship with construction influencers, jobsite consultants and contractors within the energy segment to achieve growth. Mobilized and utilized available resources through project management for successful field application of specifications. Conducted professional engineering seminars, training and conferences for owners, design engineers and contractors.

2007 to 2011 (McDonough Associates, Inc., Chicago, IL-Project Engineer)
In-charge of guiding technical operations for roadway construction projects including material testing and management, specification reviews, scheduling, and inspections. Liaison between client representatives, field personnel, and government officials to ensure high quality construction and compliance with safety and technical standards and requirements. Supervised and approved subcontractor work, verifying and consistency with specifications and QA/QC standards. Created and tracked schedules abusing Primavera software. Strengthened company's capabilities through academic and field knowledge of material testing and management.

2005 to 2007 (Schlumberger Technology Corporation, Houston, TX-Project Engineer)
Directed technical operations for oil exploration projects in Gulf of Mexico for various clients including logistics, planning, and execution. Developed quality, health, environment, and tool safety management plans and loss prevention tools/controls such as hazard analyses and risk control procedures. Controlled work and performance for 10-15 direct report employees.

Specific Project Experience

I-355 Veterans Memorial Tollway, $65 million Expansion, Resurfacing and Bridge Project between Ogden Avenue and 75th street-*Project Engineer*: In-charge of developing and maintaining project schedule. QC/QA responsibility and dealing with Tollway and contractors and maintaining project data on IMIRS and e-builder. Inspection of daily project activities, measuring, documentation etc.

I-94 Rebuild & Expansion Tollway, $75 million Expansion, Resurfacing and Bridges Project between Stearns School Road to Belvidere Rd-*Project Engineer*: QC/QA responsibility and dealing with Tollway and contractors and maintaining project data on IMIRS and e-builder. Inspection of daily project activities, measuring, documentation etc.

Illinois DOT Local Roads District 1, 2 & 3 – *Project Manager*: Close out and Final Documentation on +300 projects as per TARP requirements. October 2010 – December 2010.

Illinois DOT District 6 Various Projects, $5million – *Project Manager*: Resurfacing of various local roads over District 6. December 2010 – June 2011.

Arif Khatri, Ph.D.

Experience Continued

School Avenue and Turkington Street Bridge & Intersection Reconstruction-Expansion, Resurfacing, and Bridge Construction, Rochelle, IL- *Resident Engineer*: QC/QA responsibility and dealing with Tollway and contractors and maintaining project data on IMIRS and e-builder. Inspection of daily project activities, measuring, documentation etc.

Downtown Streetscape, City of Dixon, IL, Full reconstruct of five square blocks of downtown- *Resident Engineer*: QC/QA responsibility and dealing with Tollway and contractors and maintaining project data on IMIRS and e-builder. Inspection of daily project activities, measuring, documentation etc.

Reconstruction of 2.5 miles of streets including water and sewer, Village of Hinsdale, IL- *Resident Engineer*: QC/QA responsibility and dealing with Tollway and contractors and maintaining project data on IMIRS and e-builder. Inspection of daily project activities, measuring, documentation etc.

Capital Improvements and CDBG Improvements. Resurfacing 6 miles of roadway including sidewalks, C&G and aprons. Chicago Heights, IL- *Resident Engineer*: QC/QA responsibility and dealing with Tollway and contractors and maintaining project data on IMIRS and e-builder. Inspection of daily project activities, measuring, documentation etc.

Employment History

Time Period	Company Name	Title/Position
2016 to Present	*NASHnal Soil Testing, LLC.*	*Senior Project Engineer*
2015 to 2016	*Bowman Consulting*	*Resident Engineer*
2014 to 2015	*Wendler Engineering, Inc.*	*Resident Engineer*
2011 to 2014	*Hilti, Inc.*	*Field Engineer*
2007-2011	*McDonough Associates, Inc.*	*Project Engineer*
2005-2007	*Schlumberger Technology Corporation*	*Project Engineer*

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Jeyanthi Logaraj

Senior Project Engineer/Lab Technician

Baylor University, Waco, TX, MS, Environmental Studies, 1996
University of Madras, Coimbatore, India, BS, Civil Engineering, 1986

Certifications

IDOT Documentation of Contract Quantities – 2011
IDOT Hot Mix Asphalt – Level I, Level II– 2012
IDOT PCC - Level I, Level II - 2012
IDOT S 33 Geotechnical Field Testing and Inspection Certification
IDOT – Mixture Aggregate - 2006
IDOT Bituminous Concrete Density Tester (QA/QC Density Tester)– 2006
IMIR's, ICORS & e-builder Training
ACI Concrete Inspection & Testing Level I – 2013
Nuclear Density Gauge Safety – 2014
NICET Soils Level I-2020
NICET Concrete Level I-2020
NICET Asphalt Level I-2020
ICC Spray Applied Fireproofing-2020

Professional Licenses

Experience

2014 to Present (NASHnal Soil Testing, LLC – Senior Project Engineer)
Supervise junior engineers, laboratory staff and field technicians. Involved in Lab equipment calibration and Lab certification. Trained field and lab technicians for the projects. The scope of the services includes contractor oversight, contract document review along with soils, asphalt, concrete and reinforcing steel inspections.

2009 to 2014 (GSG Material Testing, Inc. – Project Manager)
Responsible of daily scheduling and managing field technicians. Supervised office staff including junior engineers, secretaries, laboratory staff and field technicians. Interviewed potential employees for recruiting and team building. Involved with Lab equipment calibration and Lab certification. Trained field and lab technicians for the projects. Responsible for report writing, reviewing and submitting all QA/QC reports on IDOT and IMIRS reporting system. Prepared field technicians reports and sent them to clients within 24 hours via email. Managed the entire public and private projects within the proposed budget.

2000 to 2009 (Terracon Consultants, Inc. – Lab Technician, Project Manager/Environmental and Project Manager/Material Testing)
Lab Technician: Responsible for Lab equipment calibration and inspection. Worked on proficiency Samples.
Environmental Scientist: Responsible for Environmental Phase I assessment and report preparation.
Material Testing Project Manager: - Supervise and manage material testing laboratory technicians and field technicians. Responsible for reviewing technicians reports (i,e. daily field investigation work). quality assurance and quality control *(QA/QC)* during construction of public works and private projects. Review and prepare geotechnical exploration reports. Personally responsible for budget preparation of all the material testing projects and monitoring the budget as the project progresses. Oversee all the field engineers' work, especially during field testing and. Pre-Stressed/Pre-Cast plant inspection

1997 to 2009 (City of Waco Water Department-Environmental Inspector)
Responsible for developing a bench scale study on Powdered Activated Carbon Treatment a mandatory research for EPA which saved the city more than $100,000.00. Responsible for controlling the quality of Waco's drinking water within the safe limits.

www.nstengr.com

NASHnal Soil Testing, LLC.
1707 Quincy Avenue, Unit 151
Naperville, IL 60540
630-780-5201
jlogaraj@nstengr.com

Jeyanthi Logaraj

Experience Continued

Specific Project Experience

I-355 and I-88 Intermittent Concrete Pavement - *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data prior to submitting to Tollway.

I-294 & I-90 Jane Addams Memorial Tollway-Mutiple Clients, Rockford - *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for concrete and bituminous asphalt and submitted to IDOT and Tollway.

I-88 &I 294 - *Project Manager.* Supervised Material testing technicians and laboratory staff, and reviewed all field and lab data for concrete and asphalt, prior to submitting to IDOT.

I-294 Tristate Tollway-Road and Bridge Constructions - *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for concrete, prior to submitting to Tollway.

I-355 Expansion, Joliet - *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for soils and concrete, prior to submitting to IDOT.

Randall Road Widening, Elgin, IL- *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data for soils and concrete, prior to submitting to IDOT.

UPRR Bridge Construction, West Chicago - *Project Manager.* Supervised Material testing technicians and laboratory staff, and reviewed all field and lab data.

Various Chicago Public Schools, Chicago, IL- *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data prior to submitting to Public Building Commission, Chicago.

Siemens Winergy Project, Elgin, IL- *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data.

Various CTA-Red Line Projects, Chicago, IL- *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data prior to submitting to the client.

Various Commercial Building Projects (Walmart, Lowes and Walgreens), IL- *Project Manager.* Supervised material testing technicians and laboratory staff, and reviewed all field and lab data prior to submitting to the client.

Employment History

Time Period	Company Name	Title/Position
2014 to Present	*NASHnal Soil Testing, LLC.*	*Senior Project Engineer*
2009 to 2014	*GSG Material Testing, Inc.*	*Project Manager*
2000 to 2009	*Terracon Consultants, Inc.*	*Project Manager*
1996 to 1999	*City of Waco*	*Environmental Inspector*

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George Curtis

Senior Field Technician

North Carolina Wesleyan College, Rocky Mount, NC
Fenster School of Southern Arizona

Qualifications

IDOT PCC - Level I– 2001
IDOT PCC - Level II- 2003
IDOT PCC - Level III –2006
IDOT – Mixture Aggregate - 2002
ACI Concrete Inspection & Testing Level I – 2012
Nuclear Density Gauge Safety – 2012
FACE Dipstick-Floor Flatness
Soils Laboratory and Field Compaction Testing
Bituminous Concrete Density Tester (QA/QC Density Tester)
Asphalt Laboratory Testing
Concrete Field Inspection & Testing
Concrete Strength Testing Technician
10 Hour OSHA training-2009

Professional Licenses

Achievements

Experience

2015 to Present (NASHnal Soil Testing, LLC – Construction Materials Technician)

Performed Field soil testing using nuclear density gauge and compared the results with the standard or modified proctor (ASTM D 698/ ASTM D 1557). Additionally provided Recommendation's for remediation when required.

Evaluation of concrete material test results and cores to recommend mitigation as outlined by public works officials and other agencies for *QA/QC*. Enforcing adherence and verification of conformance to specification for general and public work's construction, which include site visit for contractors work evaluation and recommendations in case of discrepancy and problems in the field.

2003 to 2015 (Holms Testing Inc. –Senior Construction Materials Technician/ Material Coordinator)-Lead Technician responsible for managing 4 technicians. Attended all meetings pertaining to scheduling and construction to ensure the project ran smoothly and efficiently. Directly responsible for material testing including but not limited to footing inspection, concrete testing, steel reinforcement inspection, grout testing, proof rolls and compaction inspection.

Worked as material coordinator on roadways projects. Performed Field soil testing using nuclear density gauge and compared the results with the standard or modified proctor (ASTM D 698/ ASTM D 1557). Additionally provided Recommendation's for remediation when required.

Evaluation of bituminous and concrete material test results and cores to recommend mitigation as outlined by public works officials and other agencies for *QA/QC*. Enforcing adherence and verification of conformance to specification for general and public work's construction, which include site visit for contractors work evaluation and recommendations in case of discrepancy and problems in the field.

2003 to 2015 (Terracon Consulting Inc. – Construction Materials Technician)
Performed Field soil testing using nuclear density gauge and compared the results with the standard or modified proctor (ASTM D 698/ ASTM D 1557). Additionally provided Recommendation's for remediation when required.

Evaluation of bituminous and concrete material test results and cores to recommend mitigation as outlined by public works officials and other agencies for *QA/QC*. Enforcing adherence and verification of conformance to specification for general and public work's construction, which include site visit for contractors work evaluation and recommendations in case of discrepancy and problems in the field.

Specific Project Experience

Grand Ridge Wind Farm Phase I, II and III, Marseilles, IL & Big Sky Wind Farm Phase I, Ohio, IL- *Project Field Engineer.* Material testing technician responsible for material testing including but not limited to footing inspection, concrete testing, steel reinforcement inspection, grout testing, proof rolls and compaction inspection.

Target Stores, Various Locations: *Senior Technician*- Responsible for field compaction testing of soils, concrete and asphalt material at various retail stores at various locations.

Industrial Warehouses, Various Locations: *Senior Technician*- Responsible for observation of Dynamic compaction, footing inspection, proofroll observation, field compaction testing of soils, concrete and asphalt material at various retail stores at various locations.

Old Orchard Shopping Center-IDOT # 63566- *Material Coordinator*- Performed PCC testing for temporary pavement, new medians, new curb, new sidewalk, new light pole foundations, new manholes and new handholes.

New Storm Sewer I-190 IDOT # 60F90- *Senior Technician*- Performed PCC and HMA testing for new storm sewer installation.

IL Route 62 over Salt Creek IDOT-#60J00- *Senior Technician*- Performed HMA testing and Coring for the entire project.

Sheridan Road Evanston IDOT # 63189- *Senior Technician*- Performed compaction inspection on the soil and aggregate base course and all PCC testing for the sidewalk, curb and gutter and pavement.

Employment History

Time Period	Company Name	Title/Position
2015 to Present	***NASHnal Soil Testing, LLC.***	***Senior Field Technician***
2003 to 2015	***Homes Testing, Inc.***	***Senior Field Technician***
1999 to 2003	***Terracon Consultants, Inc.***	***Senior Field Technician***

Gabriel Jeronimo

Field Technician

James H. Bowen High School – Chicago, IL 1998

Certifications

Soil & Bituminous Concrete Density Tester (QA/QC Density Tester) – Renewed 2015
ACI Concrete Inspection & Testing Level I – 2012
Nuclear Density Gauge Safety – 2015
High Strength Bolting of Steel Structure – 2011
Certified Floor Profiler Using F.A.C.E. Equipment – Floor Flatness/Levelness
OSHA – 10 Hours OSHA safety Training - 2009

Professional Licenses

Professional Societies

Experience

2015 to Present (NASHnal Soil Testing, LLC – Material Testing Technician)
Performed Soil Testing and Inspection Using Nuclear Density Gauge and reported the results to the office in accordance with the ASTM procedures.

2007 to 2014 (DLZ, Inc. – Material Testing technician)
Performed concrete testing procedures in accordance with ASTM and plan specifications. Monitor, record and perform nuclear density testing for piping and foundation backfill. Monitor and record installation of dock walls sheet piling and beams. Operated slump cone, type B air meter, and various brands of nuclear density gauges. Monitor excavations for piping and record process and progress. Measure size and spacing on rebar for foundations. Assist contractors in trouble shooting excavations. Monitor lift placement for backfill process. Experience in confined space setting/trenches. Knowledge in proper trench excavation. Monitor mixing and placement of epoxy cement for turbine and vacuum engines. Monitor leveling of turbine units. Refinery safety trained for entering and working around and in live units.

1998 to 2007 (Infinity Intermodal – Fabrication Technician / Trailer Mechanic)
Repair and replace air valve systems, brake system parts, tires, electrical systems and miscellaneous parts on chassis. Repair and replace aluminum panels, posts, roofing, wood flooring as well as fabrication and installation or welding of various parts as needed for containers. Operated forklifts and hostler trailer. Operated various air tools. Operated stick welder and mig welder. Operated oxygen-acetylene torch and plasma cutting torch

Gabriel Jeronimo

Experience Continued

Specific Project Experience

Laraway Landfill – *Field Technician.* Material testing of soil backfill and prepared reports of all daily field data collected prior to submitting to the client.

Enbridge Tank Facility - Material testing of soil backfill & concrete placement Inspection testing and prepared reports of all daily field data collected prior to submitting to the client.

BP – Whiting, IN - Material testing of soil backfill, concrete placement and testing and prepared reports of all daily field data collected prior to submitting to the client.

Employment History

Time Period	Company Name	Title/Position
2015 to Present	*NASHnal Soil Testing, LLC.*	*Material Testing Technician*
2007 to 2014	*DLZ, Inc*	*Material Testing Technician*
1998 to 2007	*Infinity Intermodal*	*Fabrication Technician*

Please find below a brief questionnaire concerning a professional firm who has applied for prequalification with the Illinois Capital Development Board (CDB). CDB is a State agency responsible for all vertical construction for the State of Illinois. The applicant has listed you as a reference on a project completed within the past seven years. The work performed, as indicated by the applicant, is described below. Please review for any incorrect data. Your timely completion of this questionnaire will assist CDB in determining the responsibility of this firm. Please be aware that your response will be on the record and is available for the applicant's review. Contact Jim Dautel at 217-782-1383 with any questions or comments. The individual completing this questionnaire may be contacted to confirm their participation. Thank you for your assistance.

Sincerely,

Jim D.

Jim Dautel

THIS SECTION TO BE COMPLETED BY PROFESSIONAL FIRM APPLYING FOR PREQUALIFICATION

Upon completion of this section, forward questionnaire to the reference individual

Name of firm applying for prequalification: Nashnal Soil Testing, LLC

If individual experience provide the name of the individual: Umar Ahmad

If individual experience, provide name of firm by whom the individual was employed: Nashnal Soil Testing LLC

Description of project and type of professional work performed:
Amazon Warehouse: A total of 70,000 cubic yards of Concrete was used to remodel the floors, Construct new loading Docks and New Heavy Duty Truck Parking and Drive areas Another one and half acres of Light Duty asphalt parking lot was built for cars and pickup trucks. NST tested Soild asphalt Compaction along with testing Concrete.

Indicate if the firm was: Prime ☐ Consultant ☒

Project Completion Date: 9/15 (Month/Year)

Contract Amount: +/- $97 000 (Fee)

THIS SECTION TO BE COMPLETED BY REFERENCE ONLY

On a scale of 1-5, with 5 being best, how would you rate the firm on the following questions:

What was your level of satisfaction with this firm in regard to this project?	1 2 3 4 (5)
Was the communication with this firm open and concise throughout the project?	1 2 3 4 (5)
Was the quality of the construction observed by this firm at all times?	1 2 3 4 (5)
Name of Observer provided by the firm to observe this construction, if known:	Umar Ahmad & others
Were there any complications caused by this firm throughout the project?	No ~~1 2 3 4 5~~
Did this firm respond and complete their portion of work in a timely manner?	1 2 3 4 (5)
Was this firm responsive to your needs?	1 2 3 4 (5)
Were budget consideration kept within focus by this firm?	1 2 3 4 (5)

The strongest asset of this firm is: Umar is very responsive & Considers work cost

The weakest asset of this firm is: None / effective Solutions

Would you recommend this firm for future projects? (YES) NO

Prepared by: Jim Correa Date: 2/25/14 Phone: 224-315-7960

Affiliated with: United Construction Midwest

Upon completion, please fax back to 217/782-4938 or email to jim.dautel@illinois.gov

Please find below a brief questionnaire concerning a professional firm who has applied for prequalification with the Illinois Capital Development Board (CDB). CDB is a State agency responsible for all vertical construction for the State of Illinois. The applicant has listed you as a reference on a project completed within the past seven years. The work performed, as indicated by the applicant, is described below. Please review for any incorrect data. Your timely completion of this questionnaire will assist CDB in determining the responsibility of this firm. Please be aware that your response will be on the record and is available for the applicant's review. Contact Jim Dautel at 217-782-1383 with any questions or comments. The individual completing this questionnaire may be contacted to confirm their participation. Thank you for your assistance.

Sincerely,

Jim D

Jim Dautel

THIS SECTION TO BE COMPLETED BY PROFESSIONAL FIRM APPLYING FOR PREQUALIFICATION

Upon completion of this section, forward questionnaire to the reference individual

Name of firm applying for prequalification: Nashnal Soil Testing, LLC

If individual experience provide the name of the individual: Umar Ahmad

If individual experience, provide name of firm by whom the individual was employed: Nashnal Soil Testing LLC

Description of project and type of professional work performed:
UPRR-HSR Tiork - Construction of 10 mile long high speed Rail tracks for Union Pacific Railroad in Joliet, NIST has been involved with the Strait of the Construction of Rail tracks with the construction of Siding and base with soil prior to placement of Sub ballast and ballast. Reconstruction of two Bridges by removing and replacing all Steel and reconstruction/repair of Bridge foundation and columns and Sidewalks NIST provided Construction Inspection and Testing Services working as a Quality Control Consultant.

Indicate if the firm was: Prime ☐ Consultant ☑

Project Completion Date: 1/2016 (Month/Year)

Contract Amount: $ 305,308.58 (Fee)

THIS SECTION TO BE COMPLETED BY REFERENCE ONLY

On a scale of 1-5, with 5 being best, how would you rate the firm on the following questions:

What was your level of satisfaction with this firm in regard to this project? 1 2 3 4 (5)

Was the communication with this firm open and concise throughout the project? 1 2 3 4 (5)

Was the quality of the construction observed by this firm at all times? 1 2 3 4 (5)

Name of Observer provided by the firm to observe this construction, if known: several Technicians

Were there any complications caused by this firm throughout the project? 1 2 3 4 (5)

Did this firm respond and complete their portion of work in a timely manner? 1 2 3 4 (5)

Was this firm responsive to your needs? 1 2 3 4 (5)

Were budget consideration kept within focus by this firm? 1 2 3 4 (5)

The strongest asset of this firm is: ALWAYS ABLE TO FIND A TECH, WITH SHORT NOTI

The weakest asset of this firm is: _____

Would you recommend this firm for future projects? (YES) NO

Prepared by: JOHN DZIAK Date: 2/25/16 Phone: 847-404-0428

Affiliated with: RAGNAR BENSON CONSTRUCTION

Upon completion, please fax back to 217/782-4938 or email to jim.dautel@illinois.gov

Please find below a brief questionnaire concerning a professional firm who has applied for prequalification with the Illinois Capital Development Board (CDB). CDB is a State agency responsible for all vertical construction for the State of Illinois. The applicant has listed you as a reference on a project completed within the past seven years. The work performed, as indicated by the applicant, is described below. Please review for any incorrect data. Your timely completion of this questionnaire will assist CDB in determining the responsibility of this firm. Please be aware that your response will be on the record and is available for the applicant's review. Contact Jim Dautel at 217 782-1383 with any questions or comments. The individual completing this questionnaire may be contacted to confirm their participation. Thank you for your assistance.

Sincerely,

Jim Dautel

THIS SECTION TO BE COMPLETED BY PROFESSIONAL FIRM APPLYING FOR PREQUALIFICATION

Upon completion of this section, forward questionnaire to the reference individual

Name of firm applying for prequalification. Nashnal Soil Testing, LLC

If individual experience provide the name of the individual: Umar Ahmad

If individual experience, provide name of firm by whom the individual was employed. Nashnal Soil Testing LLC

Description of project and type of professional work performed

Great Lakes Naval Station Building 200H: Construcion inspection and material testing services for demolition of fifteen story build with 30 ft deep basement project included backfill of the basement area with compacted soil and construction of a park in that area with all roadways, sidewalk and asphalt pavement. NST provided compaction te for the clay backfill and the utility backfill as well as performing concrete a asphalt inspection and testing for the roadways within and around the new p

Indicate if the firm was: Prime ☐ Consultant ☑

Project Completion Date: _____ (Month/Year)

Contract Amount: _____ (Fee)

THIS SECTION TO BE COMPLETED BY REFERENCE ONLY

On a scale of 1-5, with 5 being best, how would you rate the firm on the following questions

What was your level of satisfaction with this firm in regard to this project?	1 2 3 (4) 5
Was the communication with this firm open and concise throughout the project?	1 2 3 4 (5)
Was the quality of the construction observed by this firm at all times?	1 2 3 (4) 5
Name of Observer provided by the firm to observe this construction, if known	_____
Were there any complications caused by this firm throughout the project?	1 2 3 4 (5)
Did this firm respond and complete their portion of work in a timely manner?	1 2 3 (4) 5
Was this firm responsive to your needs?	1 2 3 (4) 5
Were budget consideration kept within focus by this firm?	1 2 (3) 4 5

The strongest asset of this firm is REPORTING AND DOCUMENTATION TIMELY

The weakest asset of this firm is _____

Would you recommend this firm for future projects? (YES) NO

Prepared by: CURTIS E. ROWE Date 2/05/16 Phone 419 214 5114

Affiliated with: TTL ASSOCIATES, INC

Upon completion, please fax back to 217 782-4938 or email to Jim.dautel@illinois.gov

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: NASHnal Soil Testing, LLC

Print Name .....: Umar T. Ahmad

Position/Title.....: CEO/Chairman

By.....:

Print Name .....:

Position/Title.....:

Company Name ...: NASHnal Soil Testing, LLC

Address line 1 .....: 23856 West Andrew Road, Unit 103

Address line 2 .....: Plainfield, IL 60585

Telephone.....: 630-780-5201

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....:

Print Name .....:

Position/Title.....:

Company Name ...:

Address line 1 .....:

Address line 2 .....:

Telephone.....:

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [ ] Design Engineering
- [ ] Wastewater Improvements
- [ ] Stormwater Engineering
- [x] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.











Statement of Qualifications for Establishment of Short-Lists for Civil Enginering Services

for the
Village of
Bensenville

October 19, 2017

Submitted by

PATRICK

PATRICK
ENGINEERING

October 19, 2017

Joseph M. Caracci, PE
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, IL 60106

Re: Statement of Qualifications for Establishment of Short-Lists for Civil Engineering Services

Dear Mr. Caracci:

Patrick Engineering Inc. (Patrick) is an Illinois-based, multidiscipline engineering firm with an established record of providing quality engineering design services to municipalities for transportation-related projects. We will provide our services to the Village of Bensenville from our Lisle headquarters, just 17 miles from the Village.

We are a firm with extensive experience in working with IDOT District 1, as well as representing the interests of local agencies in project coordination with this agency. We have the expertise to deliver complex turnkey projects utilizing local or federal funding, while at the same time respecting the needs of your constituents, the residents, and business owners of the Village.

In performing services for the Village, we anticipate the use of only one subconsultant, Interra Inc., located in Bolingbrook, Illinois. Interra is an MBE/DBE firm that has completed numerous engineering, geotechnical, and drilling projects for local municipalities. Their staff of experienced professional and geotechnical engineers, complemented with their full-service materials testing laboratory, provides the expertise and practical recommendations needed to successfully complete municipal roadway projects.

We thank you for this opportunity to be considered for the civil engineering services shortlist. Please contact me by phone at 630-795-7468 or email jcebulski@patrickco.com should you have any questions regarding the information presented herein. My address is provided at the bottom of this page.

Sincerely,
PATRICK ENGINEERING INC.

Jarrod J. Cebulski, PE
Director of Transportation

Paul M. Lopez, PE, SE
Vice President

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

☐ The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

☒ The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

☐ Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

Patrick has had no lawsuits filed against it for negligent professional services.

TERMINATION OF CONTRACT

(APPLICABLE TO PROPOSALS AND CONTRACTS RESULTING FROM THE UTILIZATION OF SHORT-LISTS DEVELOPED FROM THIS PORTION OF THE SELECTION PROCESS)

The VILLAGE reserves the right to terminate the whole or any part of any contract awarded based on the use of these short-lists, upon ten (10) calendar days written notice to the ENGINEER. The VILLAGE further reserves the right to cancel the whole or any part of the contract if the ENGINEER fails to perform any of the provisions in the contract or fails to make delivery within the time stated. The ENGINEER will not be liable to perform if situations arise by reason of strikes, acts of God or the public enemy, acts of the VILLAGE, fires or floods.

Upon such termination, the ENGINEER shall cause to be delivered to the VILLAGE all surveys, reports, permits, agreements, calculations, drawings, specifications, partially and completed estimates and data, as well as products of computer aided drafting, design and writing that have been paid for by the VILLAGE. Costs of termination incurred by the ENGINEER before the termination date will be reimbursed by the VILLAGE only, if prior to the effective termination date, the VILLAGE receives from the ENGINEER a list of actions necessary to accomplish termination and the VILLAGE agrees in writing that those actions be taken. Upon receipt of the termination notice the ENGINEER shall stop all work until said agreement is reached.

INSURANCE

(APPLICABLE TO PROPOSALS AND CONTRACTS RESULTING FROM THE UTILIZATION OF SHORT-LISTS DEVELOPED FROM THIS PORTION OF THE SELECTION PROCESS)

(A) During the term of the contract, the ENGINEER shall provide the following types of insurance in not less than the specified amounts:

1. Comprehensive General Liability - $1,000,000.00 per occurrence;

2. Auto Liability - Combined Single Limit Amount of $1,000,000.00 on any ENGINEER owned, and/or hired, and/or non-owned motor vehicles engaged in operations within the scope of this contract;

3. Workers Compensation - Statutory; Employers Liability $1,000,000.00 (the policy shall include a 'waiver of subrogation');

4. Umbrella Coverage - $2,000,000.00 (this shall apply to General Liability, Auto Liability and Professional Liability, except if the amount for Professional Liability exceeds these combined limits, then Umbrella Coverage does not need to apply to Professional Liability); and

5. Professional Liability - $1,000,000.00.

(B) The ENGINEER shall furnish to the VILLAGE satisfactory proof of coverage of the above insurance requirements, by a reliable company or companies, before commencing any work. Such proof shall consist of certificates executed by the respective insurance companies and filed with the VILLAGE. Said certificates shall contain a clause to the effect that, for the

and Workers Compensation

duration of the contract, the insurance policy shall be canceled, expire or changed so as to the amount of coverage only after written notification 30 days in advance to the VILLAGE. In addition, said certificates shall list the VILLAGE and its officers, agents and employees as additional insureds on all required insurance policies except the policy for professional liability.

(C) The ENGINEER shall require sub-consultants, if any, not protected under the ENGINEER'S policies, to take out and maintain insurance of the same nature in amounts, and under the same terms, as required of the ENGINEER.

INDEMNIFICATION

(APPLICABLE TO PROPOSALS AND CONTRACTS RESULTING FROM THE UTILIZATION OF SHORT-LISTS DEVELOPED FROM THIS PORTION OF THE SELECTION PROCESS)

The ENGINEER shall indemnify, defend and save harmless the VILLAGE, its officers, agents, employees, representatives and assigns, from lawsuits, actions, costs (including attorneys' fees), claims or liabilities of any character brought because of any injuries or damages received or sustained by any person, persons, or property on account of negligent act or omission or any willful misconduct of said ENGINEER, its officers, agents and/or employees arising out of, or in performance of any of the provisions of the contract, including any claims or amounts recovered for any infringements of patent, trademark or copyright; or from any claims or amounts arising or recovered under the "Worker's Compensation Act" or any other law, ordinance, order or decree. In connection with any such claims, lawsuits, actions or liabilities, the VILLAGE, its officers, agents, employees, representatives and their assigns shall have the right to defense counsel of their choice. The ENGINEER shall be solely liable for all costs of such defense and for all expenses, fees, judgments, settlements and all other costs arising out of such claims, lawsuits, actions or liabilities.

COMPLIANCE WITH LAWS

(APPLICABLE TO PROPOSALS AND CONTRACTS RESULTING FROM THE UTILIZATION OF SHORT-LISTS DEVELOPED FROM THIS PORTION OF THE SELECTION PROCESS)

The ENGINEER shall, at all times, observe and comply with all laws, ordinances and regulations of the Federal, State, and local governments, which may in any manner affect the preparation of proposals or the performance of the contract.

COMPLIANCE WITH OSHA STANDARDS

(APPLICABLE TO PROPOSALS AND CONTRACTS RESULTING FROM THE UTILIZATION OF SHORT-LISTS DEVELOPED FROM THIS PORTION OF THE SELECTION PROCESS)

The ENGINEER shall comply with all applicable requirements and standards as specified by the Occupational Safety and Health Act for duration of the contract.

PATRENG-01 PATHAKAL

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
3/31/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
Willis of Illinois, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 37230-5191	PHONE (A/C, No, Ext): (877) 945-7378	FAX (A/C, No): (888) 467-2378
	E-MAIL ADDRESS:	

INSURED	INSURER(S) AFFORDING COVERAGE	NAIC #
Patrick Engineering Inc. 4970 Varsity Drive Lisle, IL 60532	INSURER A : ACE American Insurance Company	22667
	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	CLAIMS-MADE OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	POLICY PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$
	OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$
	DED RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						PER STATUTE OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	N / A					E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	A&E Prof. Liability			G25564121003	04/01/2017	04/01/2018	See Attached	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

SAMPLE

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



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ADDITIONAL COVERAGE SCHEDULE

COVERAGE	LIMITS
POLICY TYPE: A&E Professional Liability	**Architect & Engineer E&O**
CARRIER: ACE American Insurance Company	**$5,000,000 Per Claim**
POLICY TERM: 04/01/2017 – 04/01/2018	**$5,000,000 Aggregate**
POLICY NUMBER: G25564121003	**$125,000 Deductible**

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 3/29/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Jodie McCann
Assurance Agency, Ltd. One Century Centre 1750 E. Golf Road Schaumburg IL 60173-	PHONE (A/C, No, Ext): (847) 463-7828 FAX (A/C, No): 847-440-9123 E-MAIL ADDRESS: jmccann@assuranceagency.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : CNA	20443
INSURER B : Nat'l Fire Ins of Hartford	20478
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED	
Patrick Engineering Inc. 4970 Varsity Drive Lisle IL 60532	PATRENG-02

COVERAGES **CERTIFICATE NUMBER:** 1967594623 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	**GENERAL LIABILITY** X COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR X XCU X Contractual GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [ ] LOC	Y	Y	6045960848	4/1/2017	4/1/2018	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG $	$1,000,000 $300,000 $10,000 $1,000,000 $2,000,000 $2,000,000 $
A	**AUTOMOBILE LIABILITY** X ANY AUTO [ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS X HIRED AUTOS [X] NON-OWNED AUTOS	Y	Y	6045916249	4/1/2017	4/1/2018	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) $	$1,000,000 $ $ $ $
A	X **UMBRELLA LIAB** [X] OCCUR **EXCESS LIAB** [ ] CLAIMS-MADE [ ] DED [X] RETENTION $ 10,000	Y	Y	6045916266	4/1/2017	4/1/2018	EACH OCCURRENCE AGGREGATE $	$20,000,000 $20,000,000 $
B	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A	Y	6045916252	4/1/2017	4/1/2018	X WC STATU-TORY LIMITS [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $1,000,000 $1,000,000 $1,000,000
A	Valuable Papers			6045960848	4/1/2017	4/1/2018	5,300,000 incl. in blanket	Blanket Coverage

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Proof of Insurance

CERTIFICATE HOLDER

SAMPLE
. . .

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Daniel A. Kfaras

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ENGINEER'S STATEMENT OF QUALIFICATIONS

IDOT "Statement of Experience and Financial Condition"

A copy of our most recent SEFC prequalification letter is provided below. Patrick provided an updated SEFC application on June 23, 2017. We are awaiting our updated letter from IDOT.

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

August 2, 2016

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Paul Lopez, P.E., S.E.
PATRICK ENGINEERING, INC.
4970 Varsity Drive
Lisle, IL 60532

Dear Paul Lopez, P.E., S.E.,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $30,400,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 157.27% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

THIS PROPOSAL IS CONSIDERED PROPRIETARY TO PATRICK ENGINEERING INC. AND CONTAINS VALUABLE CONFIDENTIAL DATA, TRADE SECRETS, AND COMMERCIALLY SENSITIVE INFORMATION INCLUDING INFORMATION RELATING TO ITS INTELLECTUAL PROPERTY. DISCLOSURE PROHIBITED WITHOUT THE EXPRESS WRITTEN CONSENT OF PATRICK ENGINEERING INC.





SEFC PREQUALIFICATIONS FOR PATRICK ENGINEERING, INC.

CATEGORY	STATUS
Hydraulic Reports - Pump Stations	X
Special Studies - Traffic Signals	X
Location Design Studies - New Construction/Major Reconstruction	X
Structures - Highway: Advanced Typical	X
Special Services - Surveying	X
Geotechnical Services - Subsurface Explorations	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Special Services - Hazardous Waste: Simple	X
Highways - Freeways	X
Location Design Studies - Rehabilitation	X
Structures - Highway: Simple	X
Special Studies - Traffic Studies	X
Special Services - Sanitary	X
Structures - Highway: Typical	X
Transportation Studies - Railway Engineering	X
Hydraulic Reports - Waterways: Complex	X
Special Services - Hazardous Waste: Advance	X
Special Services - Construction Inspection	X
Highways - Roads and Streets	X
Special Studies - Location Drainage	X
Geotechnical Services - General Geotechnical Services	X
Special Studies - Feasibility	X
Structures - Highway: Complex	X
Hydraulic Reports - Waterways: Typical	X
Geotechnical Services - Structure Geotechnical Reports (SGR)	X
Structures - Railroad	X
Environmental Reports - Environmental Assessment	X
Special Studies - Safety	X
Special Studies - Pump Stations	X
Special Services - Electrical Engineering	X
Airports - Design	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

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Staffing

Patrick's headquarters is located in Lisle, Illinois, just 17 miles from the Village of Bensenville. Our accessibility and close proximity to the Village allows us to respond quickly and provide timely services to meet your needs.

Our professional management and support staff are locally available and have the right experience, by working with municipalities, counties, and IDOT, performing both preliminary engineering and final design services for roadway and utility improvement projects. The staff listed below are the same who have worked on our 10 listed reference projects. Patrick has achieved 38 individual Design Approvals for Phase I Studies since mid-2008 on State and local projects, all right here in northeastern Illinois. We are well aware of the requirements and the process and can apply this knowledge to Village projects. Further, our Director of Transportation, Jarrod Cebulski, PE, previously worked at IDOT as Head of Consultant Studies where he oversaw all the consultant-prepared Phase I Studies in District One.

In the table below, we have highlighted our key staff proposed for Village of Bensenville projects.

Name/Registration Title	Years of Exp./ @Firm	IDOT/Municipal Project Experience (Last 5 years only)
Jarrod Cebulski, PE Director of Transportation	26/13	**Extensive experience leading preliminary and final engineering projects for roadway improvements of all sizes for IDOT and local agencies, worked 13 years at IDOT District One.** ▪ Happ Road Corridor Study, Village of Northfield ▪ Springinsguth and Wiley Roads Resurfacing Project, Village of Schaumburg ▪ Woodridge Drive Resurfacing Project, Village of Woodridge ▪ 79th Street, Madison Street to County Line Road, Resurfacing, Village of Burr Ridge ▪ Woodward Avenue, Internationale Parkway to the I-55 Bridge, Resurfacing, Village of Woodridge ▪ Illinois Route 47 at Waubonsee Drive/Old Oaks Drive, Waubonsee Community College ▪ Washington Street from Hainesville Road to Lake Street, Lake County DOT ▪ Laraway Road, Cedar Road to LaGrange Road, Will County DOT ▪ Elgin-O'Hare Western Access Frontage Roads, Illinois Tollway ▪ 143rd Street at John Humphrey Drive, Village of Orland Park ▪ Phase I Studies for Highway Safety Improvement Program (HSIP) Projects, IDOT District 1

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Mike Vasak, PE Project Manager	9/9	**Extensive Phase II Roadway Design engineering experience and specific expertise in local federally-funded projects.** ▪ Woodridge Drive, Center Drive to 75th Street, Village of Woodridge ▪ Springinsguth and Wiley Roads Resurfacing Project, Village of Schaumburg ▪ Woodward Avenue, Internationale Parkway to the I-55 Bridge, Resurfacing, Village of Woodridge ▪ Washington Street from Hainesville Road to Lake Street, Lake County DOT ▪ Green Bay Trail Funding Application, Village of Kenilworth
Mike Pine, PE Project Manager	11/11	**Experience managing large Phase I and Phase II roadway projects for IDOT and local agencies.** ▪ 143rd Street at John Humphrey Drive, Village of Orland Park ▪ Illinois Route 47 at Waubonsee Drive/Old Oaks Drive, Waubonsee Community College ▪ Washington Street from Hainesville Road to Lake Street, Lake County DOT ▪ US 12/20/45 (LaGrange Road) at US 34 (Ogden Avenue), IDOT District 1
Gary Goodheart, PE Vice President, Water Resources	43/8	**Senior Manager with QA/QC review oversight for all drainage and utility projects.** ▪ City of Berwyn Sewer Repair, City of Berwyn ▪ Northbrook East Stormwater Management Facility Improvement, Village of Northbrook ▪ Springbrook Watershed Plan Projects, DuPage County Stormwater Management Division ▪ Washington Street from Hainesville Road to Lake Street, Lake County DOT ▪ Illinois Route 47 at Waubonsee Drive/Old Oaks Drive, Waubonsee Community College
Matt Minder, PE Project Engineer	20/20	**Water Resources Project Engineer with hydraulic and pump station experience.** ▪ Washington Street from Hainesville Road to Lake Street, Lake County DOT ▪ Springbrook Watershed Plan Projects, DuPage County Stormwater Management Division
Matt Laney, PE Staff Engineer	4/4	**Drainage Engineer with roadway and utility design experience.** ▪ Northbrook Stormwater Improvement, Village of Northbrook

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		▪ City of Berwyn 19th Street Pump Station Generator, City of Berwyn ▪ Naperbrook Golf Course Clubhouse Well, Naperville Park District ▪ Southwest Community Park Development, Naperville Park District
Lee Gong, PhD, PE, CFM Senior Drainage Manager	32/1	**Senior Water Resources Manager for IDOT-related drainage studies and contract plans.** ▪ Illinois Route 64 (North Avenue)/I-294, City of Northlake ▪ Illinois Route 53 at South Arsenal Road (SAR), City of Wilmington ▪ Emerson St., Ridge Ave. and Green Bay Rd. Intersections Improvements, City of Evanston ▪ Warrenville Road Storm Water, DuPage County DOT ▪ Glenwood Dyer Road, Illinois Route 83 to Stoney Island Avenue, IDOT ▪ Elgin-O'Hare Western Access Frontage Roads, Illinois Tollway
Steve Lynch, PE Project Manager	16/16	**Senior Project Manager with Phase I, II, and III experience for small to large roadway projects.** ▪ Englewood Line Multi-Purpose Trail, Chicago DOT ▪ IL 72/Oakton Bikepath Funding Application, Elk Grove Village ▪ Happ Road Corridor Study, Village of Northfield ▪ Chicago Gateway Green Kennedy Expressway Landscape Enhancements, Chicago DOT ▪ Congress Parkway Streetscape, Chicago DOT ▪ Illinois Route 47 at Waubonsee Drive/Old Oaks Drive, Waubonsee Community College
Alethya Yu-Janicki, PE, PTOE, CFM, LEED AP Traffic Engineer	13/1	**Skilled Traffic Engineer with expertise with HCS, Synchro, and Intersection Design Studies.** ▪ Happ Road Corridor Study, Village of Northfield ▪ I-55 at Airport Road Phase I, Village of Plainfield ▪ Wise Road Resurfacing, Village of Schaumburg ▪ County Line Road, Village of Algonquin ▪ Forest Avenue Traffic Signal, City of Evanston ▪ Chicago Riverwalk, Chicago DOT ▪ ADA Improvements, Chicago DOT ▪ Smithville Road Bridge over Copperas Creek, Peoria County ▪ Various/Various IDOT Traffic Signal Modernizations, IDOT District 1

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Jeff Pleiter Senior Project Manager	32/27	**Special Projects Manager with experience in drainage and utility studies and design.** ▪ Northbrook East Stormwater Management Facility, Village of Northbrook ▪ Burlington Road and Silver Glen Culvert Improvements, Kane County DOT ▪ Washington Street from Hainesville Road to Lake Street, Lake County DOT ▪ Springbrook Watershed Plan Projects, DuPage County Stormwater Management Division
Eric Boelter, PE Project Engineer	8/8	**Excellent Phase I/II Engineer with expertise in 3-D CADD Modeling and cross-section analysis.** ▪ Benedictine Connector, DuPage County DOT ▪ Illinois Route 120, Lake County DOT ▪ Elgin-O'Hare Western Access Frontage Roads, Illinois Tollway ▪ Happ Road Corridor Study, Village of Northfield
Jason Chae, PE Transportation Engineer	7/7	**Phase I and II Engineer with specific expertise in Maintenance of Traffic Concepts and Design.** ▪ 143rd Street at John Humphrey Drive, Village of Orland Park ▪ Benedictine Connector, DuPage County DOT ▪ Illinois Route 47 at Waubonsee Drive/Old Oaks Drive, Waubonsee Community College ▪ ADA Inventory & Data Collection, IDOT ▪ Glenwood Dyer Road from Illinois Route 83 to Stoney Island Avenue, IDOT District 1
Adam Newman, EIT Staff Transportation Engineer	3/1	**Design Engineer with internship experience with two local municipalities.** ▪ City of Naperville Street Resurfacing Program, City of Naperville ▪ Village of Lisle Street Rehabilitation Program, Village of Lisle ▪ Hill Avenue South of Montgomery Road to Waubonsee Creek Drainage Investigation, IDOT District One
Austin Devine, EIT Staff Transportation Engineer	2/1	**Talented Design Engineer with specific expertise in ADA ramp design for sidewalks and trails.** ▪ Englewood Line Trail, Chicago DOT ▪ Illinois Route 83 Resurfacing and Pedestrian Ramps, IDOT ▪ Touhy Avenue Resurfacing and Pedestrian Ramps, IDOT ▪ Palatine Road Resurfacing, Reconstruction, and Pedestrian Ramps, IDOT

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Project Experience

Patrick has extensive experience performing Phase I Studies and Phase II Plans for local agencies, such as the municipalities of Burr Ridge, Crystal Lake, Northbrook, Northfield, Orland Park, Schaumburg, West Chicago, and Woodridge.

We have also provided these services to IDOT, and have completed dozens of intersection and roadway segment engineering projects for our governmental clients. The Village will benefit from our enhanced coordination and advocacy with the IDOT District One Bureau of Local Roads, with whom we have established excellent relationships over the years.

In addition, Patrick has delivered projects that have utilized a wide range of local, state, and federal funding sources, including MFT, STP, CMAQ, and HSIP.

We prepared more than 20 Phase I Studies for federally-funded intersection projects for IDOT under three work order contracts, and prepared local agency federally-funded Phase I projects for all six of the northeastern Illinois counties.

Patrick has prepared Phase II contract plans for local agency highway improvement projects in northeastern Illinois, ranging from intersection and short segment improvements to major multi-lane reconstruction and add-lanes projects, utilizing both local agency and federal funding.

In the table below, we have highlighted our 10 most relevant projects.

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Project/Client 1	**Springinsguth Road, IL Route 19 to Metra Entrance and Wiley Road, Tower Road to Plum Grove Road** | Village of Schaumburg
Description of Services	Scope: Patrick performed Phase II contract plan preparation for the full-depth patching and resurfacing, as well as ADA ramp improvements for an existing multi-use path, of two major collector roads, Springinsguth Road and Wiley Road, in the Village of Schaumburg. This project utilized **80% STP federal funding**, and therefore was processed through the IDOT Bureau of Local Roads & Streets. This project was completed on a very expedited schedule. Patrick's work began at the end of October 2015 and 95% Prefinal plans were submitted by the end of November 2015, with all Village and IDOT comments addressed and 100% Final plans turned in by the end of January 2016. Patrick was able to meet these milestones on time to achieve the April 2016 target letting, thereby allowing sufficient construction time for the work to be completed within the calendar year. Patrick self-performed two pavement cores on each road to confirm the required milling, resurfacing, and patching depths that were estimated during Phase I. Since this was a federally funded and IDOT let project, Patrick coordinated with IDOT on behalf of the Village for certain enhancements and proprietary items to be included in the plans, including utility work and aesthetic brick patterned crossing markings of Springinsguth Road at the primary entrance to the Schaumburg Boomers Baseball Stadium. Innovative Approach: To meet the expedited schedule, Patrick used a creative method for storing the patching and curb and gutter replacement locations. Our engineers were equipped with GPS enabled iPads in the field, and were able to store the approximate coordinates of these locations within a GIS program, along with a picture of the deficient area. These coordinates were then transferred directly into our CADD files, and allowed us to sketch in the limits and quantify the required patching and curb and gutter replacement much quicker and with a higher degree of accuracy than previous hand-sketching methods. ▪ Phase(s): II ▪ Funding source(s): STP, Local ▪ Contact: Margo Killian | Village of Schaumburg | 847.923.6652
Project Team	▪ Jarrod Cebulski, Mike Vasak, Eric Boelter, Jason Chae
Construction Cost/Year/ Fee/Relevance	▪ Cost: $2.2 million ▪ Year: 2016 ▪ Fee: $127,000 ▪ Relevance: Municipal, Roadway Improvements, Phase II, STP funding

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Project/Client 2	**Illinois Route 47 at Waubonsee Drive Intersection Improvement** | Waubonsee Community College and Kane County Division of Transportation
Description of Services	Scope: Patrick was selected by Waubonsee Community College (WCC) and the Kane County Division of Transportation (KDOT) to perform a Phase I Study and Phase II Contract Plan Preparation for the improvement of the IL Route 47 and Waubonsee Drive/Old Oaks Road intersection. As a response to the location's history of fatal crashes, the WCC applied for and secured federal **Highway Safety Improvement Program (HSIP) funding**. The scope of work included the installation of a new traffic signal, the addition of dedicated turning lanes, and the re-alignment of the west leg of the intersection to improve safety. As part of Phase I, Patrick prepared an Intersection Design Study that was reviewed and approved by IDOT, and included in the Categorical Exclusion Project Report. Following Phase I, Patrick was also selected to prepare Phase II Contract Plans for the intersection improvement, with the same scope of work. Given the use of federal funding for the project, coordination was required with the Illinois Department of Transportation Bureau of Local Roads and Streets. Patrick also coordinated extensively with the College and the adjacent property owners. Patrick prepared the plats of highway and coordinated the land acquisition activities for three parcels needed for the intersection improvement. Patrick also provided phase III construction engineering services on this project, which was recently awarded a **2015 Engineering Excellence Merit Award by the American Council of Engineering Companies of Illinois.** ▪ Phase(s): I, II, III ▪ Funding source(s): HSIP ▪ Contact: David Quillen | Waubonsee Community College | 630.466.2900
Project Team	▪ Jarrod Cebulski, Mike Pine, Steve Lynch, Jason Chae
Construction Cost/Year/ Fee/Relevance	▪ Cost: $1.6 million ▪ Year: 2014 ▪ Fee: $481,400 ▪ Relevance: Municipal, Intersection Design Studies, Roadway Improvements, Traffic Signals, Storm Sewer and Drainage Reconstruction

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Project/Client 3	**79th Street, Madison Street to County Line Road** | Village of Burr Ridge
Description of Services	Scope: Patrick provided Phase I study, Phase II contract plan preparation, and Phase III construction engineering for the patching and resurfacing, guardrail replacement, ADA ramp improvements, and drainage improvements on 79th Street, a major collector road in the Village of Burr Ridge. These improvements utilized STP federal funding. Innovative Approaches: The Village initially planned for the project to be processed as a Local Agency Functional Overlay (LAFO), but was considering a number of improvements that would preclude the project from being processed in that manner. A discussion with IDOT helped to determine what non-typical items could remain with a LAFO project, for example guardrail replacement and regrading ditches, and what items would cause the Phase I processing method to change. Patrick helped the Village negotiate the intricacies of these requirements, and determine a proposed improvement that maintained the LAFO processing. Patrick was also able to design the project without any excavation, which allowed us to forgo the often typical special waste PESA requirements that this work entails. Patrick self-performed a topographic survey and two pavement cores to confirm the required resurfacing and patching depths. The existing passing zones were reviewed and it was found that the existing profile did not allow for any passing zones in the project area. As such, the pavement markings were revised to reflect that passing is no longer allowed on the road. Guardrail warrants were performed and the results allowed for a decrease in the length of the proposed guardrail. Finally, turning movement investigations were performed at each side street to verify compliance with design standards, further maintaining the LAFO processing. Patrick performed a detailed site visit to determine the limits of patching, curb and sidewalk replacement, and ditch regrading. Patrick used an innovative method for storing data. Our engineers were equipped with GPS enabled iPads, and were able to store the coordinates of all locations within a GIS program. These coordinates were then transferred directly into our CADD files, which allowed us to draw in the areas much quicker and with a higher degree of accuracy than previous hand-sketching methods. ▪ Phase(s): I, II, III ▪ Funding source(s): STP ▪ Contact: David Preissig | Public Works Department | 630.654.8181
Project Team	▪ Jarrod Cebulski, Mike Vasak, Adam Newman
Construction Cost/Year/ Fee/Relevance	▪ Cost: $452,000 ▪ Year: 2017 ▪ Fee: $84,900 ▪ Relevance: Municipal, Roadway Improvements, STP Funding

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Project/Client 4	**Washington Street, Hainesville Road to Haryan Way** | Lake County Division of Transportation
Description of Services	Scope: Patrick was retained by the Lake County Division of Transportation (LCDOT) to perform Phase I Engineering and Phase II Contract Plan Preparation for the improvement of Washington Street from Hainesville Road to Haryan Way in the Villages of Grayslake, Hainesville, and Round Lake Park, Lake County. The scope of work included the reconstruction and widening of Washington Street from a two-lane to a five-lane cross-section. A Project Development Report and a Location Drainage Study were prepared. Stakeholder involvement, including public meetings and hearings, as well as smaller local community meetings, was also included. Improvements designed during Phase II included a sanitary lift station, retaining walls, a closed drainage system with in-line detention and restrictor structures, traffic signal modifications, and a 10' wide bicycle path and a 6' sidewalk throughout the project corridor. Patrick provided the engineering design and permitting for the sanitary lift station relocation to the opposite side of Washington Street. The new lift station included two new 120 gpm submersible pumps installed in an underground wet well. The pump station installation included a separate valve vault and SCADA communication capabilities. Patrick obtained the required permit from the IEPA and a special use permit from the local municipality. Patrick coordinated the relocation of all wet and dry utilities that were impacted by the project. Special considerations were required for storm sewers crossing water main and sanitary sewer. Sanitary sewer design was also included, which required design of casing pipe protection for both sanitary sewer and water main. Innovative Approaches: Patrick coordinated this design with a separate adjacent project along Washington Street to the east, which included similar roadway widening and reconstruction, as well as a railroad grade separation with the Canadian National Railroad. This project utilized many funding sources, including Federal, ICC, and railroad, and the timing and maintenance of traffic for both projects had to be closely coordinated so that they would appear seamless to the local community and the motoring public. ▪ Phase(s): I, II ▪ Funding source(s): Local ▪ Contact: Al Giertych | Lake County DOT | 847.377.7400
Project Team	▪ Jarrod Cebulski, Steve Lynch, Mike Vasak, Gary Goodheart, Eric Boelter, Jason Chae, Mike Pine, Matt Laney, Lee Gong, Jeff Pleiter, Matt Minder
Construction Cost/Year/ Fee/Relevance	▪ Cost: $12.5 mil ▪ Year: 2017 ▪ Fee: $2.0 mil ▪ Relevance: Municipal, Local Non-Federal Funding, Roadway Improvements, Lift Station

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Project/Client 5	**Elgin-O'Hare/Western Access Frontage Roads** | Illinois State Toll Highway Authority
Description of Services	Scope: Patrick Engineering provided Phase II Design Services to the Illinois Tollway for a portion of the Elgin-O'Hare/Western Access (EOWA) project, from Lively Boulevard to Supreme Drive, including the Busse Road (Illinois Route 83) interchange, within the Villages of Wood Dale, Bensenville, and Elk Grove Village. While the scope of work included the design of the Tollway, the portion of relevance to this proposal is the design work performed for the local frontage roads and the reconstruction of IL 83, as well as the design and permitting for all the locally-owned utilities. Patrick's work included survey, geotechnical investigations, MSE retaining walls, aesthetic treatments, a continuous bikepath along the south side of the corridor, drainage design, utility coordination that included a new common electrical duct (CED) package, petroleum pipeline relocation, lighting and traffic signal design, and IEPA and ICC permitting. Drainage design included two detention ponds using GEOPAK Site Modeling and HEC-HMS hydrology models. These ponds provided water quality benefits and met strict requirements for attracting avian wildlife due to proximity to the O'Hare Airport. Water main and sanitary relocations were necessary and Patrick's design ensured that service would not be interrupted and improvements to the system could be incorporated. Several large oil pipelines run along Busse Road, so all storm sewer and underground utilities needed to be designed to avoid conflicts. Complex XPSWMM modeling was performed for a complete redesign of the box culverts beneath Busse Road. Innovative Approaches: In order to construct the tollway, the frontage roads and IL 83 had to be designed and constructed first, along with all the required land acquisition and utility relocations, so that these roads could be used to carry existing Thorndale Avenue traffic to free up areas of the corridor where the tollway was to be constructed. This required advancing the design, coordinating with the local agencies, utilities, and property owners, securing local approvals and permits, and ensuring all the up-front was could be completed to handle the complex staging needed for the mainline work. ▪ Phase(s): II ▪ Funding source(s): Tollway, Local ▪ Contact: Manar Nashif | Illinois Tollway | 630.241.6800
Project Team	▪ Jarrod Cebulski, Mike Pine, Mike Vasak, Eric Boelter, Jason Chae, Gary Goodheart, Matt Laney, Lee Gong, Jeff Pleiter
Construction Cost/Year/ Fee/Relevance	▪ Cost: $8 mil ▪ Year: 2016 ▪ Fee: $700,000 ▪ Relevance: Roadway Improvements, Local Agency Standards, Utility Designs and Coordination

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Project/Client 6	**East Stormwater Detention Facility** | Village of Northbrook
Description of Services	Scope: Due to significant roadway flooding within the Northbrook East Subdivision, the Village of Northbrook identified this project as a high priority in the Village's Stormwater Management Plan. Patrick provided Phase I and II design and Phase III resident engineering services for the project. Final improvements included 1,557 linear feet of new storm sewer to supplement the existing sewer network, a 4.7 acre-ft. stormwater detention pond with a dry bottom basin restored with native plantings for water quality enhancement, 150 new trees, relocation of an existing bike path, storm sewer improvements, watermain and water service improvements, and pavement, sidewalk, and vegetative surface restoration. Patrick surveyed existing conditions, performed stormwater modeling, prepared contract plans, obtained all required regulatory permits, participated in all public outreach, acted as the Resident Engineer, and prepared record drawings. Construction was completed in December 2016. ▪ Phase(s): I, II, III ▪ Funding source(s): Local ▪ Contact: Matt Farmer, PE | Village of Northbrook | 847.664.4120
Project Team	▪ Matt Laney, Gary Goodheart, Lee Gong, Jeff Pleiter
Construction Cost/Year/ Fee/Relevance	▪ Cost: $1,583,000 ▪ Year: 2016 ▪ Fee: $244,000 ▪ Relevance: Municipal, Storm Sewer Improvements, Stormwater Detention Pond, Water Service Improvements, Stormwater Modeling

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Project/Client 7	**Campus Pavement Reconstruction** | Morton College
Description of Services	Scope: Over a period of five years, Patrick performed comprehensive engineering and surveying services necessary for the reconstruction of all of the access drives and parking lots and a portion of the pedestrian pavement areas within the 37-acre campus of Morton College. These projects included the full depth pavement reconstruction of the 6-acre main parking lot. Patrick responsibilities included surveying/mapping, civil engineering, geotechnical engineering and electrical engineering activities to investigate and define existing drainage, pavement, soil subgrade and site lighting conditions; to determine repair / reconstruction needs; to develop necessary improvement designs and to prepare the project construction drawings and specifications and bidding / construction contract documents. Patrick also provided bidding and construction phase services, including issuing bid documents, responding to contractor questions, reviewing bids received, monitoring construction activities, conducting inspections of the work performed, determining how to resolve uncovered unsuitable soil subgrade conditions, conducting compaction tests of the installed pavement materials, preparing Record Drawings of the completed work and performing various contract administration activities, including processing contractor pay requests. Innovative Approaches: Items of significance included replacement and support decisions regarding unsuitable subgrade conditions; reuse of existing aggregate base materials to reduce offsite disposal and aggregate import costs, and phased operations to maintain parking on half of the lot during the construction period. ▪ Phase(s): II, III ▪ Funding source(s): Local ▪ Contact: John Potempa | Facilities Manager | 708.656.8000
Project Team	▪ Jeff Pleiter, Gary Goodheart, Matt Laney
Construction Cost/Year/ Fee/Relevance	▪ Cost: $550,000 ▪ Year: 2013 ▪ Fee: $250,000 ▪ Relevance: Roadway Improvements, Parking Lots, Lighting

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Project/Client 8	**90-Inch Combined Brick Sewer Repairs** | City of Berwyn
Description of Services	Scope: Patrick provided turnkey services to repair an 80+ year old, 90-inch diameter, brick-lined, combined sewer pipe owned by the City of Berwyn. The sewer crosses beneath a very busy rail corridor with three main tracks that serve over 170 trains per day. A small section of the sewer wall failed, leading to the development of a sinkhole directly beneath the center main track. Railroad crews performed temporary repairs to maintain service on the tracks, and required Berwyn to implement permanent repairs to the pipe. Patrick was retained to evaluate the condition of the sewer and to develop recommendations to permanently repair the failed area in the sewer. A qualitative evaluation was made of various options to permanently repair the failed section of the pipe, including relative construction costs. Patrick was subsequently retained to provide design-build services to repair the pipe. The installed liner plate system reduces the inside diameter of the sewer pipe by approximately 12 inches. Hydraulic analysis indicated a smooth interior liner would be required to maintain the hydraulic capacity of the pipe and prevent an unacceptable head increase upstream of the repairs. Design and installation of the structural liner plate system required interface and/or permitting with the railroad, Berwyn, and the Metropolitan Water Reclamation District of Greater Chicago (MWRDGC). Job site access and safety were major considerations in implementing the repairs (work in the sewer required Confined Space Entry Permits and installation of a by-pass system to convey base flow around the work area). Innovative Approach: Patrick recommended installing a structural steel liner plate system a minimum of 10 feet from the failed area in either direction along the pipe. Patrick's solution saved the City several hundred thousand dollars compared to other possible solutions. ▪ Phase(s): Design-Build ▪ Funding source(s): Local ▪ Contact: Robert Schiller | Public Works Director | 708.749.6510
Project Team	▪ Gary Goodheart, Matt Laney
Construction Cost/Year/ Fee/Relevance	▪ Cost: $210,810 ▪ Year: 2014 ▪ Fee: $47,331 ▪ Relevance: Municipal, Utilities, Sewer Construction, Railroad Coordination

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Project/Client 9	**Happ Road from Winnetka Road to Willow Road** | Village of Northfield
Description of Services	Scope: Patrick is performing a Phase I Engineering and Environmental Study for the improvement of Happ Road from Winnetka Road to Willow Road. The Village of Northfield is the lead agency for this project; however, Happ Road throughout the study limits is under the jurisdiction of the Cook County Department of Transportation and Highways (CCDTH) with whom the study is also being coordinated. It is anticipated that this project **will utilize federal funding** for construction and, as such, coordination is required with the Illinois Department of Transportation (IDOT) and the Federal Highway Administration (FHWA) during this Phase I Study. Happ Road has one through lane in each direction and has center left turn lanes in the north commercial area, and no median in the south residential area. Improvement alternatives are being reviewed for the key intersection with Orchard Lane, which provides primary access to important commercial properties within the Village downtown area. Due to this intersection's proximity to Willow Road, a traffic signal is not a practical option. As such, two-way stop control and roundabout alternatives are being evaluated. A traffic signal is also being considered for installation at the busy Winnetka Road intersection at the south limit of the project. Intersection Design Studies are being prepared for both the Orchard Lane and Winnetka Road intersections. In addition to improvements to the roadway, options are being proposed to improve the pedestrian and bicyclist environment, with safer crossings of Happ Road and additional pedestrian/bicyclist facilities along the corridor. The Phase I study is following Federal guidelines and be documented via a Categorical Exclusion Project Development Report (PDR) following IDOT's format, and a Drainage Technical Memorandum. Stakeholder involvement is a key aspect of the study in the identification and evaluation of improvement alternatives. In addition to a planned public meeting and public hearing, the Study Team is engaging in a series of Steering Committee meetings with key community stakeholders where improvement options are presented for input. ▪ Phase(s): I ▪ Funding source(s): County and Local ▪ Contact: Stacy Sigman | Village Manager | 847.441.3852
Project Team	▪ Jarrod Cebulski, Steve Lynch, Eric Boelter, Lee Gong, Alethya Yu-Janicki, Austin Devine
Construction Cost/Year/ Fee/Relevance	▪ Cost: $5 mil ▪ Year: In progress ▪ Fee: $398,832 ▪ Relevance: Municipal, Roadway Improvements, Intersection Design Study, Traffic Signals

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Project/Client 10	**John Humphrey Drive at 143rd Street** | Village of Orland Park
Description of Services	Scope: Patrick is nearing completion of a Phase I Study for the Village of Orland Park for the improvement of the John Humphrey Drive at 143rd Street intersection for federal eligibility. The study is being processed through the Illinois Department of Transportation Bureau of Local Roads. 143rd Street is a major east-west arterial within the Village, and John Humphrey Drive provides a key north-south corridor, just east of LaGrange Road, to access the Orland Square Mall, a regional shopping center. Both routes are four lane roads and traffic congestion at their crossing has resulted in the need for improvement. This project will be the precursor to a future planned study for the improvement of John Humphrey Drive from 143rd Street south to Mall Drive. This intersection study resulted in the inclusion of additional auxiliary turning lanes and improved signalization. The improvement transitions into recent improvements at the 143rd Street at LaGrange Road intersection. Just east of John Humphrey Drive, an existing dry land bridge along 143rd Street will be impacted by the proposed widening to accommodate the additional turn lanes at the intersection. Geotechnical and structural studies have been performed to evaluate widening and replacement options for this dry land bridge, as well as other soil treatment alternatives. The Phase I Study includes highway capacity studies, and Intersection Design Study, crash analyses, geometric development, environmental evaluation, drainage studies, and the preparation of a Project Development Report. Innovative Approach: Based on recently completed improvements wo the west along 143rd Street, Patrick evaluated several widening methods for 143rd Street to avoid rework and impacts to the west, while minimizing overall impacts at the quadrants of the study intersection. Based on this analysis, all widening is being proposed to the south, and will transition to meet the roadway east of the intersection, which meets all required design standards, and minimizes overall impacts and ROW acquisition for the project. ▪ Phase(s): I ▪ Funding source(s): STP ▪ Contact: Sean Marquez | Engineer | 708.403.6123
Project Team	▪ Jarrod Cebulski, Mike Vasak, Eric Boelter, Jason Chae, Mike Pine
Construction Cost/Year/ Fee/Relevance	▪ Cost: $2 mil ▪ Year: In progress ▪ Fee: $191,921 ▪ Relevance: Municipal, Roadway Improvements, Intersection Design Study, Federal Funding

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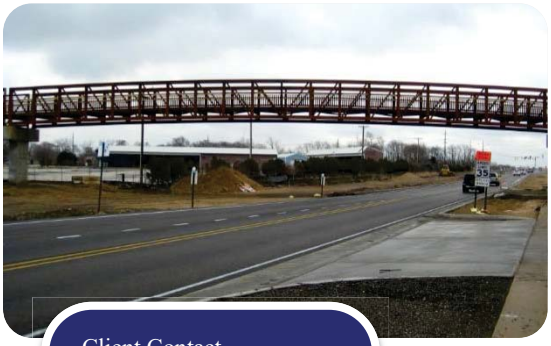




In addition to the projects described in the previous table, Patrick also has strong experience with successful acquisition of funding, including the following:

Rakow Road, Ackman Road to Illinois Route 31, McHenry County Division of Transportation (CMAP CMAQ Grant)

Patrick assisted the McHenry County Division of Transportation (MCDOT) with the preparation of a Congestion Mitigation and Air Quality (CMAQ) grant application for federal funding through the Chicago Metropolitan Agency for Planning (CMAP) for a proposed bicycle path realignment and overpass of Rakow Road. The original McHenry County Prairie Trail crossed Rakow Road at-grade just east of Pyott Road. With the proposed widening for Rakow Road, to enhance safety for the trail users, it was decided to realign the bike path along an abandoned railroad ROW and carry it over Rakow Road via a new bridge. Patrick also assisted the County in coordinating this aspect of the project with the McHenry County Conservation District, who had jurisdiction of the path, and in securing Federal Congestion Mitigation and Air Quality (CMAQ) funds from the Chicago Metropolitan Agency for Planning (CMAP) for the path and overpass work.



Client Contact

Jeff Young, PE
McHenry County
Division of Transportation
815.334.4969

Illinois 72/Oakton Street Bikepath, Elk Grove Village (CMAP TAP-L Grant)

Patrick assisted Elk Grove Village with the preparation of a Transportation Alternatives Program – Local (TAP-L) grant application for federal funding through the Chicago Metropolitan Agency for Planning (CMAP) for a proposed multi-use path to be constructed as part of an IDOT project along Illinois Route 72 and Oakton Street at Illinois Route 83 (Busse Road). This portion of path is a component of Elk Grove Village's Bicycle Plan 2014. It would provide additional access to the Busse Woods Bicycle Trail in the Ned Brown Preserve. The application was accepted and funds were included in CMAP's FFY 2018-2022 Program.



Client Contact

Brian Lovering, PE
Elk Grove Village
847.734.8800

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Client Contact

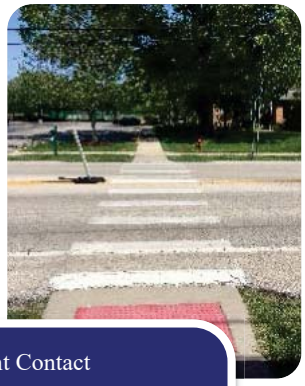
David Preissig, PE
Village of Burr Ridge
630.654.8181

Burr Ridge Parkway, County Line Road to Bridewell Drive, Village of Burr Ridge (DMMC STP Grant)

Patrick assisted the Village of Burr Ridge with the preparation of a funding application to the DuPage Mayors and Managers Conference (DMMC) for a Surface Transportation (STP) Grant for a Local Agency Functional Overlay (LAFO) project. The process included a review of crash data, existing and projected traffic data, and basic geometrics. Burr Ridge Parkway is a major collector roadway that serves the central business district and provides access to a nearby Pace park-and-ride site. The cost of the project is in excess of $700,000. The project application was received favorably and funding was approved for 2019.

Wolf Road Flashing Pedestrian Beacon Sign, Village of Burr Ridge (Com-Ed Powering Safe Communities Grant)

Patrick assisted the Village of Burr Ridge with the successful preparation of a funding application to Com-Ed for a Powering Safe Communities Grant for a proposed Flashing Pedestrian Beacon. This safety feature is proposed along Wolf Road at the Pleasantdale Middle School and Pleasantdale Park District. These two entities are on opposite sides of the road and the new beacon will improve safety by increasing the visibility for pedestrians crossing Wolf Road. Patrick is currently preparing the contract plans for this pedestrian signal project. Coordination is also being done with Cook County since Wolf Road is under their jurisdiction and a permit will be required.



Client Contact

David Preissig, PE
Village of Burr Ridge
630.654.8181

Client Evaluations

On the following pages, we have included reference letters from a few of our satisfied clients.

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WAUBONSEE
COMMUNITY COLLEGE

Office of the Executive Vice President of Finance and Operations

October 8, 2014

American Council of Engineering Companies of Illinois
5221 South Sixth Street Road, Suite 120
Springfield, Illinois 62703
October 31, 2014

Dear ACEC Awards Committee:

Patrick Engineering Inc. (Patrick) was retained by Waubonsee Community College (WCC) to perform Phase I engineering, Phase II contract plans, and Phase III Construction engineering services for the IL Route 47 at Waubonsee Drive (now College Drive) Intersection Realignment and Traffic Signal Installation Project in Sugar Grove, Illinois.

Based on recent growth at our campus, traffic volumes entering and exiting WCC at our northern unsignalized intersection had increased over time. As a result, there was a history of severe injury crashes and several fatalities that were occurring at this intersection. The goal for this project was to improve safety via a cost-effective intersection improvement. WCC had secured a federal Highway Safety Improvement Program (HSIP) grant through Illinois Department of Transportation (IDOT) to fund this project.

Patrick succeeded in increasing the safety of this intersection with the installation of a new traffic signal, the addition of dedicated turning lanes, and the re-alignment of the west leg of the intersection. Patrick also assisted us in navigating the federal project development process in as short of time as possible in order to complete these much needed safety improvements for the benefit of the students, faculty, and the motoring public.

Throughout the project, Patrick's design and construction engineering capabilities were superb and they expertly managed coordination between all stakeholders. Given the use of federal funding for the project, coordination was required with IDOT's Bureau of Local Roads and Streets. Patrick coordinated with all parties with great professionalism, tact, and with strong project management skills.

Patrick's experience and quick responsiveness resulted in a successful outcome to this challenging and much-needed project. Their construction engineering involvement was first-class and they expertly managed the work items of the contractor. Patrick's leadership allowed the contractor to complete the work as quickly as possible, given weather conditions and the requirement of IDOT staff presence at the traffic signal turn-on.

WCC feels Patrick's work on this project was excellent and we highly recommend their services for any engineering project in the future. We fully support Patrick for an ACEC Engineering Excellence Award.

Sincerely,

David Quillen
Executive Vice President of Finance and Operations

Dickson Center 205
dquillen@waubonsee.edu
phone: 630.466.2900
fax: 630.466.7550

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PATRICK





Division of Transportation

Shane E. Schneider, P.E.
Director of Transportation/County Engineer

600 West Winchester Road
Libertyville, Illinois 60048-1381
Phone: 847.377.7400
Fax: 847.984.5388

LakeCounty

October 25, 2017

American Council of Engineering Companies of Illinois
5221 South 6th Street Road, Suite 120
Springfield, IL 62703

Dear ACEC Awards Committee:

The purpose of this letter is to provide our endorsement for the Washington Street Thoroughfare Project for an ACEC Illinois Engineering Excellence Award. The Lake County Division of Transportation (LCDOT) oversees 300 miles of roads and 62 miles of bikeways, manages a $20,000,000 annual operating budget, and is charged with delivering a five-year, $592,000,000 capital plan, which is critical to the safety and mobility for the county. As such, it is extremely important that the consultants that we hire to help us deliver our program are self-managed, provide quality work, and surpass the challenges they face in the performance of their assigned work for the LCDOT. When we selected Patrick Engineering Inc. (Patrick), we were confident we were teaming with a firm capable of providing the requisite services for this project.

In 2008, we embarked upon our Challenge Bond Program. The Washington Street Thoroughfare Project was one of four projects selected for bond funding as part of this program, contingent upon the successful advancement of the project through preliminary and final engineering and permitting. Patrick was selected by the LCDOT to provide the Phase I preliminary engineering services for Washington Street. Patrick led a successful stakeholder involvement campaign to build community consensus for the project plan, evaluated a range of alternatives for the proposed improvement, secured clearances in all of the environmental issue areas, negotiated with the Wisconsin Central Ltd. Railroad, and navigated the IDOT approval process to allow the project to be eligible for federal funding.

During Phase II, Patrick prepared two sets of contract plans that included the structural design of the rail bridge, the pump station, coordination of numerous wet and dry utilities, and the development of an intricate maintenance of traffic scheme for the rail underpass that included a railroad shoofly and a roadway runaround. Based on the scale and complexity of the project, the Phase III engineering was going to be a challenging endeavor. In order to assist us in meeting these challenges, we selected Bollinger, Lach & Associates, Inc. to provide these services for the western portion of the corridor and V3 Companies to perform construction engineering for the rail underpass section. These firms did an outstanding job in overseeing the construction operations of the contractors to ensure quality on-time delivery and safe conditions for the motoring public.

Our collaboration with Patrick, Bollinger Lach, and V3 on this project was exceptional and we fully support this Collective Team for an ACEC Engineering Excellence Award.

Sincerely,

Shane E. Schneider, P.E.
Director of Transportation/County Engineer
Lake County Division of Transportation

www.lakecountyil.gov/transportation

THIS PROPOSAL IS CONSIDERED PROPRIETARY TO PATRICK ENGINEERING INC. AND CONTAINS VALUABLE CONFIDENTIAL DATA, TRADE SECRETS, AND COMMERCIALLY SENSITIVE INFORMATION INCLUDING INFORMATION RELATING TO ITS INTELLECTUAL PROPERTY. DISCLOSURE PROHIBITED WITHOUT THE EXPRESS WRITTEN CONSENT OF PATRICK ENGINEERING INC.

PATRICK





THE BOARD OF COMMISSIONERS
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PRESIDENT

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COOK COUNTY
BUREAU OF ADMINISTRATION
DEPARTMENT OF HIGHWAYS
John Yonan, P.E.
Superintendent
George W. Dunne Cook County Office Building
69 West Washington Street 23rd Floor
Chicago, Illinois 60602-3007
Telephone (312) 603-1601
Fax (312) 603-9945

October 23, 2012

American Council of Engineering Companies of Illinois
5221 South Sixth Street Road, Suite 120
Springfield, IL 62703

RE: Phase I Project Development Report and Drainage Study for the Improvement of Narragansett Avenue from 87th Street to 79th in the Village of Burbank

To Whom It May Concern:

For a number of years, the Cook County Highway Department (CCHD) has engaged Patrick Engineering Inc. (Patrick) for a variety of services. Recently, they completed a Phase I Project Development Report and Drainage Study for the improvement of Narragansett Avenue from 87th Street to 79th Street in the Village of Burbank for us. This letter is to serve as a commendation for the American Council of Engineering Companies of Illinois 42nd Annual Engineering Excellence awards. Patrick was selected by the CCHD for this project based on a Qualification Based Selection (QBS) process. The CCHD first met with Patrick in mid-2008 on the project, and it was formally initiated late that year. The project received Phase I design approval less than a year later in late 2009. And based on the outstanding Phase I work completed by Patrick, the County was able to quickly prepare Phase II plans, leading to project construction in 2011. The completed project exemplifies the type of improvement the County seeks to provide to its constituents.

The general scope of work for the improvement consisted of the widening and reconstruction of the existing two-lane rural Narragansett Avenue to include one lane in each direction, with a continuous center lane for left turns. Concrete curb and gutter was constructed along the outside edges of pavement and a new underground storm sewer drainage system was provided. Gravel shoulders and roadside ditches were eliminated, new parking lanes were provided, and new sections of sidewalk provided to remove gaps. This project provides a significant upgrade for the motorists who travel through, as well as the property owners alongside, the Narragansett Avenue corridor.

Throughout the project, Patrick's design capabilities were excellent, and they expertly managed the coordination efforts between the various project stakeholders. These included the City of Burbank, the Burbank School District,

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American Council of Engineering Companies of Illinois
RE: Phase I Project Development Report and Drainage Study for the Improvement of Narragansett Avenue from 87th Street to 79th in the Village of Burbank

Burbank Fire and Police, Stickney Township, and the South Stickney Sanitary District, as well as the project subconsultants and various disciplines within the Transportation & Planning Bureau and the Design Bureau here at the Highway Department. They coordinated all parties with great professionalism, tact, and strong project management skills. Their public outreach and public involvement program resulted in strong buy-in from project participants at the public meeting, which was also a result of the technically strong project plans they produced. Their firsthand knowledge of the federal process allowed them to navigate this project through IDOT and the FHWA with relative ease. In particular, Project Manager Jarrod Cebulski, Project Engineer Ryan Westrom, and Water Resources Engineer Adam James, provided vital aspects of this successful project and excellent service to the Cook County Highway Department.

Through the multidisciplinary expertise Patrick offers, they were able to solve the project problems and produce an excellent Phase I plan. This included incorporating GIS information into the project database, addressing local drainage issues, and resolving traffic control issues such as signalization vs. stop-control to determine the optimal solution for the CCHD and the community. During the plan and report development, their experience and the responsiveness in responding to project needs, which included balancing demands between mobility, local access, and on-street residential parking, resulted in a successful outcome to this challenging and much-needed project. We felt Patrick's work on the Narragansett Avenue project was excellent, and we would highly recommend their services for any engineering project in the future. Thank you for the opportunity to provide feedback, and we look forward to continuing the working relationship we have with Patrick Engineering.

Sincerely,

John Yonan, PE
Superintendent of Highways
Cook County Highway Department
Cook County, Illinois

Cc: Daniel P. Dietzler, President, Patrick Engineering

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From: David Preissig <dpreissig@burr-ridge.gov>
Sent: Friday, October 06, 2017 1:37 PM
To: Klabel, Brian
Cc: Koehneke, Nathaniel; Cebulski, Jarrod; Vasak, Michael; Lopez, Paul
Subject: RE: Final Cost 79th St Project

***** This email originated from outside of Patrick Engineering Inc. Do not click links or open attachments unless you recognize the sender and know the content is safe. ******

Hi Brian,

This is evidence of a project well managed from start to finish! Thanks for handling the project, contractor, residents, and businesses so well.

As always, let me know if you need anything. Have a great weekend.

David Preissig, P.E.
Director of Public Works/Village Engineer
Village of Burr Ridge
(630) 654-8181 x.6000

Are you a Burr Ridge resident or business?
Please click here and take our survey. We want to hear from you!

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Illinois Department of Transportation

Division of Highways / Region 2 / District 2
819 Depot Avenue / Dixon, Illinois / 61021-3500
Telephone 815/284-2271

PROGRAM DEVELOPMENT
Consultant Services

Various Routes
Various Sections
Various Counties
Job No. P-92-017-16
PTB 181/010

June 30, 2017

Mr. Paul Lopez
Patrick Engineering, Inc.
4970 Varsity Drive
Lisle, Illinois 60531

Dear Mr. Lopez:

Your firm is a sub-consultant for Artisan Consulting Engineers, LLC, for the above-mentioned project. This work is identified as Item #010 in Professional Transportation Bulletin 181.

I am pleased to inform you that personnel in our Bureau of Program Development feel that your performance on this project is good.

I am looking forward to a continuing relationship between your firm and District 2 on completing this assignment. If you wish to discuss this evaluation, please call me at 815/284-2271.

Sincerely,

Kevin Marchek, P.E.
Region Two Engineer

DH-0169/fd
Enclosures
c: Maureen Addis, Attn: Jack Elston

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Illinois Department of Transportation

Phase I and II Consultant Evaluations

Evaluation Date: 06/27/2017 **Annual or Milestone Evaluation:** Annual

Type Evaluation: Interim **Office:** R2/D2 PD/LA

Evaluator: Charles Cordell **Job #:** P-92-017-16

Sub Consultant: PATRICK ENGINEERING, INC.

PTB: 181 **Item:** 010 **Sublet:**

Route: Various **County:** Various

Phase: I **District:** DIST-2

Description: Land & Route Surveys

Prequalification Categories:		**Old Str #**	**New Str #**	**Dual Old Str #**	**Dual New Str #**
Surveying	Good				

Fatal Flaws:

Did the submittals contain any of the following errors?

Significant structural deficiencies.	N/A
Failure to identify significant environmental impacts.	N/A
Substandard geometrics for the specified design criteria.	N/A
Inaccurate survey information.	No

Did the consultant:

Display inappropriate behavior in dealing with the public or other agencies?	No
Provide false information in the report documentation?	No
Cause the letting date or design approval to be delayed due to late submittals?	No

Rated By: [signature] District/Bureau: 2/PD/LA Rated Date: 6/27/17

Reviewed By: [signature] Position: Acting LA Eng Reviewed Date: 6/27/17

Concur: Yes Regional Engineer [signature] Date: 6-27-17

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Sub Consultant: PATRICK ENGINEERING, INC. **PTB:** 181 **Item:** 010

Timeliness: Good

Comments on Strengths/Weaknesses in Timeliness:
Patrick Engineering kept with the schedule set forth by Artisan.

Completeness: Good

Comments on Strengths/Weaknesses in Completeness:
Patrick followed all IDOT procedures and policies.

Quality & Accuracy: Good

Comments on Strengths/Weaknesses in Quality & Accuracy:
This was Patrick Engineering's first submittal to IDOT with working under Artisan. Very good job.

Cooperation & Project Management: Good

Comments on Strengths/Weaknesses in Cooperation and Management:
Very few questions and concerns.

Public/Agency Coordination: N/A

Comments on Strengths/Weaknesses in Public/Agency Coordination:

Innovation: N/A

Comments on Strengths/Weaknesses in Innovation:

Project Administration Budget/Supplemental/Invoicing: Good

Comments or Strengths/Weaknesses in Project Administration Budget/Supplemental/Invoicing:
Patrick engineering has kept within their budget.

Comments on Consultant's Overall Performance:

This is the first time that Patrick engineering has provided the district with ROW documents. These were prepared very well.

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MORTON COLLEGE
Imagine what you can do!

3801 South Central Avenue – Cicero, Illinois 60804-4398

September 26, 2013

[redacted]

Dear [redacted]

[redacted]

This letter is provided to advise you that Patrick Engineering has provided comprehensive engineering services for five parking lots, access drive and pedestrian area reconstruction projects within the Morton College during the past five years. The latest project is being completed this month.

Patrick Engineering has, in my opinion, performed their work in an exemplary manner and I have no reservations about retaining them for future Morton College site development and construction projects.

If I can be of further assistance in your consideration of Patrick Engineering, please call me at 708-656-8000, extension 2220.

Sincerely,

John Potempa, Director of Facilities & Operations
Morton College
3801 S. Central Avenue
Cicero, IL 60804

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STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

[X] Design Engineering

[ ] Wastewater Improvements

[ ] Stormwater Engineering

[ ] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: Paul M Lopez

Print Name .....: Paul M. Lopez, PE, SE

Position/Title.....: Vice President

Company Name ...: Patrick Engineering Inc.

Address line 1 .....: 4970 Varsity Drive

Address line 2 .....: Lisle, Illinois 60532

Telephone.....: 630.795.7200

Primera

Establishment of Short-Lists for Civil Engineering Services

Village of Bensenville | October 19, 2017













Submitted to:
Village of Bensenville
Mr. Joseph M. Caracci, P.E.
Director of Public Works
717 E. Jefferson Street
Bensenville, Illinois 60106

Submitted by:
Primera Engineers, Ltd.
650 Warrenville Road, Suite 200
Lisle, Illinois 60532
P 630.324.5100
F 630.241.3516

PrimeraEng.com

Primera

October 19, 2017

Joseph M. Caracci, P.E.,
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, Illinois 60106

Re: Establishment of Short-Lists for Civil Engineering Services RFQ

Dear Mr. Caracci:

Primera Engineers, Ltd. (Primera) is pleased to submit our Statement of Qualifications to provide Professional Civil Engineering services to the Village of Bensenville (the Village), ranked in order by strength in the following categories:

1. Design Engineering 2. Stormwater Engineering 3. Resident Engineering

In this submittal, you will find project examples and key staff resumes showing Primera's extensive experience in completing various IDOT and municipal projects, including work for the Village of Bensenville. We have assembled a highly qualified design and construction engineering team who are very familiar with area conditions, having worked for the Village in recent past.

Proposed Project Manager, Mr. Scott VanDerAa, PE, PTOE, will also serve as Liaison between the Village and the Primera Team for all categories/projects on which Primera is selected to provide civil engineering services. Scott has extensive experience working and coordinating with suburban municipalities on various projects throughout his 33-year career at Primera and the Cook County Department of Transportation and Highways. He is dedicated to ensuring that the needs of the Village are fully met on each and every project.

On our projects, we make sure that every day counts by providing the required resources and effort to complete projects on schedule; by developing projects that do more with less which saves money for our clients; and by utilizing innovative design techniques that reduce costs, minimize delays and create sustainable solutions.

Thank you for this opportunity to present our qualifications and interest in continuing to provide assistance to the Village of Bensenville community. We have reviewed and have suggested minor exceptions to the Form of Contract included in this RFQ. If you have questions, or need additional information, please contact me at 312.242.6438 / tlachus@primerachicago.com.

Sincerely,

Ted Lachus, PE - Senior Vice President

100 South Wacker, Suite 700
Chicago, Illinois 60606
P 312/606.0910 | F 312/606.0415

Primera

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CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

☐ The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

☑ The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

☐ Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

Attachments

Exceptions to Form of Contract

We have reviewed the Form of Contract included in this RFQ and have suggested minor revisions, as outlined and shown in greater detail below. Primera welcomes the opportunity to discuss and answer all questions regarding these exceptions with the City of Bensenville.

- The payment of retainage is subject to the "satisfactory completion of the project". Since "satisfactory" is subjective, Primera has attempted to tie this to an objective standard, which should be the general standard of care.
- The duty to defend in the Indemnification has been deleted, and the obligation tied to the extent caused by Primera's negligence.
- Since there is no limitation of liability included in the agreement, a mutual waiver of consequential damages has been added.

INVOICING AND PAYMENT

The VILLAGE agrees to make payments and to pay interest on unpaid balances under the provisions of the Local Government Prompt Payment Act. The VILLAGE shall withhold five (5) percent of the total contract payment, excluding direct costs, pending the satisfactory completion of the project in accordance with the standard of care, submission of final reports and presentation of the defined deliverable products. Sub-consultant costs are not considered direct costs for purposes of calculating the withheld amount. Should overruns for any of the items within the Proposal become evident due to unforeseen circumstances beyond the ENGINEER's control, the ENGINEER shall notify the VILLAGE immediately and no further work shall be done by the ENGINEER until authorization to proceed in writing has been received from the VILLAGE.

INDEMNIFICATION

The ENGINEER shall indemnify~~, defend~~ and ~~save~~ hold harmless the VILLAGE, its officers, named agents, employees, representatives and assigns, from lawsuits, actions, costs (including reasonable attorneys' fees), claims or liabilities of any character brought because of any injuries or damages received or sustained by any person, persons, or property ~~on account of~~to the extent caused by the negligent act or omission or any willful misconduct of said ENGINEER, its officers, agents and/or employees arising out of, or in performance of any of the provisions of the contract, including any claims or amounts recovered for any infringements of patent, trademark or copyright; or from any claims or amounts arising or recovered under the "Worker's Compensation Act" or any other law, ordinance, order or decree. ~~In connection with any such claims, lawsuits, actions or liabilities, the VILLAGE, its officers, agents, employees, representatives and their assigns shall have the right to defense counsel of their choice. The ENGINEER shall be solely liable for all costs of such defense and for all expenses, fees, judgments, settlements and all other costs arising out of such claims, lawsuits, actions or liabilities.~~

Neither the VILLAGE nor the ENGINEER shall be liable to the other for any special, incidental, indirect, or consequential damages, or for lost profits or lost revenues arising out of or related to this Agreement.

Insurance

Primera Engineers, Ltd., has currently bound Professional Liability insurance coverage with CNA Insurance, and Workers Compensation, Automobile, and General Liability insurance with Travelers Insurance effective December 3, 2016 for the policy period of December 3, 2016 through December 3, 2017.

History of insurance coverage from the last 5 years:

Year	Professional Liability Insurance Company	Coverage		Deductible
		Each Occurrence	Aggregate	
2016-17	CNA	$5M	$7M	$100K
2015-16	CNA	$5M	$7M	$100K
2014-15	CNA	$3M	$5M	$100K
2013-14	Liberty Insurance Underwriters	$3M	$5M	$100K
2012-13	Liberty Insurance Underwriters	$3M	$5M	$100K

A sample of Primera's current Certificate of Insurance is attached.

Primera is prepared to meet the Professional Services Insurance Requirements as required by the Village of Bensenville upon award and/or per instructions of an Agreement.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 12/06/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Willis of Illinois, Inc.
c/o 26 Century Blvd
P.O. Box 305191
Nashville, TN 372305191 USA

PHONE (A/C, No, Ext): 1-877-945-7378 FAX (A/C, No): 1-888-467-2378
E-MAIL ADDRESS: certificates@willis.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Travelers Indemnity Company	25658
INSURER B : Standard Fire Insurance Company	19070
INSURER C : Continental Casualty Company	20443
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
Primera Engineers, Ltd.
Erin M. Inman
100 S Wacker Dr, Ste 700
Chicago, IL 60606

COVERAGES **CERTIFICATE NUMBER:** W1788194 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC OTHER:			6805G337162	12/03/2016	12/03/2017	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 1,000,000 $ 5,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
A	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY SCHEDULED AUTOS HIRED AUTOS ONLY NON-OWNED AUTOS ONLY			5G[illegible]9180	12/[illegible]/2016	12/[illegible]/20[illegible]	COMBINED SINGLE LIMIT (Ea accident) INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
A	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED X RETENTION $ 10,000			CUP5G342485	12/03/2016	12/03/2017	EACH OCCURRENCE AGGREGATE	$ 10,000,000 $ 10,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N: No (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		UB4517T75A	12/03/2016	12/03/2017	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000
C	Professional Liability			AEH591882549	12/03/2016	12/03/2017	Per Claim Aggregate	$5,000,000 $5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Sample

CERTIFICATE HOLDER

Evidence of Insurance

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

© 1988-2015 ACORD CORPORATION. All rights reserved.

Lawsuits

Lawsuits filed against the firm, concerning services rendered from January 1, 2012 to the present.

1	**Case Name**	Brandon W. Bettenhausen v. Plote Construction, Inc., et al.
	Case #	2016L001956
	Court	Circuit Court of Cook County, Illinois County Department, Law Division
	Basis	Construction-site accident alleging personal injuries
	Outcome	Pending

2	**Case Name**	Jose Cintron v. F.H. Paschen, S.N. Neilsen & Assoc., Global Mechanical, et. al.
	Case #	2015L009996
	Court	Circuit Court of Cook County, Illinois County Department, Law Division
	Basis	Project-site accident alleging personal injuries
	Outcome	Pending

3	**Case Name**	Pedro Ortega, as Independent Administration of the Estate of Juan J. Ortega v. Daniel Sanchez-Hernandez, Lorig Construction Company, Harry O. Hefter-Associates, Inc., EJM Engineering, Inc., and Primera Engineers, Ltd.
	Case #	2017L009037
	Court	Circuit Court of Cook County, Illinois County Department, Law Division
	Basis	Motor vehicle accident
	Outcome	Pending

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

October 4, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Erin Inman
PRIMERA ENGINEERS, LTD.
100 South Wacker Drive, Suite 700
Chicago, IL 60606

Dear Erin Inman,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $33,600,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 112.76% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR PRIMERA ENGINEERS, LTD.

CATEGORY	STATUS
Airports - Design	X
Special Studies - Pump Stations	X
Special Studies - Feasibility	X
Location Design Studies - Rehabilitation	X
Special Studies - Traffic Studies	X
Location Design Studies - New Construction/Major Reconstruction	X
Structures - Highway: Typical	X
Special Services - Electrical Engineering	X
	X
Special Services - Sanitary	X
Structures - Railroad	X
Special Studies - Location Drainage	X
Highways - Roads and Streets	X
Structures - Highway: Advanced Typical	A
Special Services - Mechanical	X
Special Services - Architecture	X
Special Services - Construction Inspection	X
Hydraulic Reports - Waterways: Typical	X
Structures - Highway: Simple	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Highways - Freeways	X
Hydraulic Reports - Waterways: Complex	X
Special Studies - Lighting: Typical	A

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

Executive Summaries

Our Understanding // Design Engineering Scope of Services

Primera understands this category of work will include preliminary/Phase I and design/Phase II engineering for various roadway improvement types, paid for through various funding mechanisms.

- Primera has performed design services for both local and state/federal funded roadway projects for IDOT and various counties and municipalities in the Chicago area.
- Primera is very familiar with various types of project processing that a municipal project may encounter, both at a local level (county and municipal funded) as well as projects involving federal funding that Primera has processed though both IDOT BDE and District 1 Local Roads.
- Primera understands that the potential roadway improvement types could include both roadway reconstruction and resurfacing (grind and overlay), as well as other miscellaneous type projects such as parking lots.
- Primera understands that roadway improvement projects may include modifications to existing utilities, modifications to or new local infrastructure such as storm and sanitary sewers and watermains, traffic signals and lighting, and intersection design studies.
- Primera understands that final design phase services will include preparation of contract plans and documents including specifications, schedule of pay items and estimate of costs for construction contractor bidding.
- Primera has included staffing in our submittal that has extensive experience in roadway, infrastructure and site civil projects and designs, and have the expertise to handle most of the Design Engineering scope of services items.
- Primera will require support from Gandhi and Associates, Inc. for traffic signal and street lighting design. Gandhi is IDOT prequalified in Special Studies – Traffic Signals and Special Studies – Lighting.
- Primera will require support from CDM Smith for SCADA, pump station related work, and water distribution system related work. CDM Smith is IDOT prequalified in Special Studies – Pump Stations.
- Primera has successfully teamed with Gandhi and CDM Smith on prior projects.

Our Expertise

Primera was recently recognized by the APWA Suburban Chapter for the design and construction inspection services we provided for the Village of Hinsdale for their 2016 Roadway & Infrastructure Improvement. The project included roadway reconstruction and watermain replacement. The project won the 2017 APWA Award for best Historical Preservation Restoration Project (Under $5 Million).

Coordination // Working with Various Agencies

Early and continuous agency coordination is critical to a successful project. Our project team/staff has extensive coordination experience with various federal, state and county level agencies, as well as various private entities.

Primera staff has built relationships with agency officials at various levels that would assist with keeping projects assigned by the Village on schedule. Some of these agencies and private entities that Primera anticipates coordinating with for Village street improvements include IDOT, DuPage County, local City officials, various private utilities, and local schools, police, fire, and emergency services.

Primera has coordinated with various municipalities on watermain design projects for the Illinois American Water Company. Project scopes included watermain replacement, relocation, extensions, and upsizing. Construction methods included directional drilling, boring and jacking, and open trenching. Some of the projects included storm sewer, sanitary sewer and forcemain, and roadway design and construction, in addition to the watermain work. One of these projects included coordination with property owners in acquiring easements for the proposed watermain work.

Why Work with Primera // Qualifications and Experience

Primera has proposed a team of in-house key staff that has the qualifications and experience to provide Design Engineering services for the Village of Bensenville.

Our team has successfully worked together on recent municipal street/sidewalk/multi-use path, watermain and sanitary sewer projects that included both preliminary and design engineering phases. Our recent local municipal clients for street projects include Hinsdale, Bensenville, Blue Island, Schaumburg, East Chicago, and Michigan City.

- Project scopes for these communities included roadway rehabilitation and reconstruction, drainage and utility improvements, watermain replacement/relocation, sanitary sewer and forcemain replacement/relocation, complete streets analysis and design, traffic studies and analysis, addition and repair of curb and gutter, new and reconstructed sidewalks and paths along with ADA compliant crossings, street lighting analysis and design, and landscaping and streetscaping.

- Unique elements of these projects included roundabout analysis and design, one-way to two-way street conversions, business district streetscaping, and a new bridge for a multi-use path connection.

Our key staff has the availability and resources to begin work immediately for the Village of Bensenville, and will continue to deliver projects that are on time and under budget as we have for other clients.

Our Understanding // Stormwater Engineering Scope of Services

Primera understands this category of work will be strictly associated with new developments, and include both preliminary and final plan reviews, special studies, as-built reviews, and letter of credit reductions.

- Primera understands that the Village of Bensenville is located in DuPage County, and thus is subject to the DuPage County Countywide Stormwater and Floodplain Ordinance. Our staff that has been included in this submittal has detailed knowledge of this ordinance and experience coordinating with the County, through work on recent projects with DuPage County and also municipalities within DuPage County including the City of Wheaton.

- Primera understands that services may include stormwater analysis and design, stormwater retention and detention facilities analysis and design, and pump station related work that would include analysis, modeling and design services for stormwater.

Our Expertise

Primera has special expertise in flood control engineering. We recently implemented a project from concept phase to planning, design, permitting and construction of a TSS flood wall for ComEd. The goal of the project was to flood-proof an existing substation located in the floodway of the Skokie River.

Detailed hydrologic and hydraulic analyses were completed to assure the wall would have no effect on flood elevations. Agency collaboration and existing agency relationships streamlined the permitting process.

In order to mitigate the loss of floodplain storage, Primera worked with the client, local agencies and other stakeholders to partner on an adjacent wetland mitigation site. This partnership expanded the mitigation project and resulted in lowering of the existing flood heights decreasing the risk of flooding to nearby residents.

Subconsultants // Wetland Analysis, Delineation & Mitigation

Huff & Huff, Inc. will assist Primera with wetland analysis, delineation and mitigation, if needed. Primera has successfully teamed and worked with Huff & Huff on prior roadway projects that included environmental services.

Huff & Huff is IDOT prequalified in Environmental Assessments, Environmental Impact Statements, and Hazardous Waste (Advanced).

Coordination // Working with Various Agencies

Agency Coordination is a key component to the design and permitting of a project. Our team has developed solid agency relationships that may be part of this project effort including IDNR-OWR, DuPage County, Army Corps of Engineers, FEMA, and beyond.

Our proposed key personnel have worked as reviewers and understand the permitting process so application submittals are streamlined and approved with minimal comments and quick turnaround.

Why Work with Primera // Qualifications and Experience

Primera will assign key personnel who are uniquely qualified to lead projects that are focused on hydrologic and hydraulic modeling, as well as design of stormwater conveyance and flood control projects.

Our team members have worked together successfully on many recent projects including watershed planning and conveyance system design including producing plans, specifications, and bid documents.

Our proposed staff's extensive experience includes projects involving open channel flow, flood control, hydrologic and hydraulic modeling of culverts and bridges, storm sewer analysis and design, and design of stormwater management facilities.

Primera and its people have extensive experience in H&H modelling, storm sewer design and other water resources projects. Our project examples included in this submittal will show that the Primera team is highly qualified to perform the work required by the Village's Stormwater Engineering scope of service.

The following pages also contain our staff overview that demonstrate our staff's expertise. However, there are two areas that our individual project experiences cannot show you adequately:

1) ***Our dedication to customer service and client satisfaction***
2) ***Our commitment to quality.***

While Primera certainly demonstrates these values at a project level, these values run much deeper than that. **Our mission is to provide exceptional expertise and superb service** - not just to attain a final result.

If selected for this project, Primera will ensure that the Village of Bensenville is satisfied throughout the life of the project.

Our Understanding // Resident Engineering Category

Primera understands this category of work will include resident engineering, construction staking, construction inspection and observation, documentation of quantities, material inspections, and preparation of record drawings.

- Roadway improvements may range from resurfacing (grind and overlay) to reconstruction, and may include other miscellaneous projects such as parking lots.

- Construction funding will vary and may include federal STP funding, State MFT funding, grants such as CDBG, and local funding.

- Primera has included staffing in our submittal that has extensive experience in providing resident engineering services for a wide range of roadway improvement types for various state, county and municipal agencies, and involving various funding mechanisms.

Our Expertise

An integral part of any project is the communication between the Primera Team, the Village, and the residents and travelers who will be affected by the construction. Effective and clear communication on each project will be essential to ensure that all the stakeholders are informed on the status and changes to the project that will occur until the project is completed.

Good communication includes keeping the residents informed of the construction schedule, especially concerning water service and driveway disruptions. On past projects, being proactive in communicating with the stakeholders developed a professional relationship that provided project area homeowners peace of mind during construction.

A successful Phase III project starts with the assignment of the appropriate number of experienced and trained staff that will be dedicated to the project through its successful completion. The project crew also needs an experienced leader who will provide the overall direction required on the project and will be the lead interface with Village of Bensenville and the Contractor.

We have taken this into account and have selected a project crew that will proactively provide the Phase III engineering services on this project. The project team's mission is to protect the Village of Bensenville's interests in completing this project in a safe, cost-effective, quality compliant and timely manner.

Overall Project Controls include items vital to the successful execution of each project. Project controls are comprised of coordination, communication, documentation, cost control, schedule control, and quality assurance.

Three key elements of project controls - Cost Control, Schedule Control, and Quality Assurance - will be crucial items in each successful project implementation.

Cost Control will be maintained by preventing a claim-causing situation before it begins. This will be accomplished through a thorough understanding of the contract documents, reviewing the plans prior to construction, and reviewing the project schedule with the Contractor weekly. By this pro-active approach, oversights or conflicts will be identified and resolved before they impact the project.

Schedule Control will involve the discovery and correction of conflicts or coordination issues by continuously reviewing the Contractor's schedule. The overall project schedule is compared to the progress to date. If the project is behind schedule, a plan is developed together with the Village of Bensenville and the Contractor to get the work back on schedule.

Primera's Quality Assurance Program begins with making sure all members of our crew have a thorough understanding of the contract documents and the crew's Quality Management Plan. The Quality Management Plan serves as a framework for providing quality services and contains a clear outline of responsibilities and procedures relating to quality control and quality assurance.

Coordination // Working with Various Agencies

The core definition of Construction Inspection Engineering is communication and coordination. Perhaps the best example of successful coordination is the feedback Primera has received from various agencies.

On our Techny Road project in Northbrook, the residents were very grateful for an efficiently run project as evidenced in the following excerpts from an email to the Resident Engineer:

"…you and your men were just THE very best...Always fun, respectful and considerate. The Techny Project was so much less a burden because of the character and characters who participated."

In addition, the Village Engineer, Mr. Paul Kendzior, thanked the Primera Resident Engineer

"...for a very efficient and professional completed project."

On our Yackley Bridge project, DuPage County Division of Transportation rated Primera's coordination of the project "Excellent" and provided the following feedback:

"Many challenges were encountered due to the unexpected advanced deterioration of the older east section of the bridge. As solutions were developed to replace bridge bearings and deteriorated bridge deck, costs were expected to rise significantly. However, working with the contractor and using cost efficient methods resulted in minimal project additional costs."

Why Work with Primera // Qualifications and Experience

Project leadership that understands the importance of communication between the project crew and the Village of Bensenville, contractors, business owners, home owners, utility companies and other agencies involved with each project. Weekly meetings should be held to keep all stakeholders up to date.

Support staff who will proactively address project assignments by utilizing their previous experience on Phase III projects including coordination efforts with railroads and other utilities.

A project crew with the resources and capacity to fulfill the project requirements of each project.

Key project staff who will be dedicated to the successful completion of each project, on time and within budget.

Project Experience



Project/Client	Pump House and Site Improvements / Village of Bensenville
Scope of Work/(Contractor)/ Client POC	Phase II Design project for the Village's Foster Ave. Pump House and North Plant facility/site improvements. Mechanical, Electrical, and Architectural Scope: Involved the design of new electrical service and distribution system for the building, design of natural gas supply for the new exterior natural gas generator, lift station pumps, pumping stations, and an emergency siren. Architectural upgrades for the building consisted of tuck pointing walls, new floors, and roofing. Civil Engineering Scope: Design of demolition, access roads, fencing, signage, site security features, layout of the pump station surface features, and design of siren relocation. A stormwater management analysis was performed. Also included was the design of site grading accounting for topography to ensure proper drainage. Rick Radde, Village of Bensenville 630.350-3417
Project Team	Robert Deming, PE, LEED GA - Civil Project Manager / John Fehlberg, PE - Civil Project Engineer / Maura Lakowski, PE - Design Engineer / Paul Koc, PE - Design Engineer / John Antonoglu, PE CFM - Stormwater Engineer / Mark Johnson, PE - QA/QC Review
Construction Cost/Fee/Year	$1.5 Million (Project Cost) / $99,930 / 2016





Project/Client	Brookwood Street to Marshall Road LAFO Resurfacing / Village of Bensenville
Scope of Work/(Contractor)/ Client POC	Phase II Civil Design and Permitting services for pavement resurfacing of ~800 feet of Brookwood Street and Marshall Road from Illinois 83 to Illinois 19. Local Agency Functional Overlay (LAFO) funding was used. Scope of Work: Overlay of the pavement, pavement patching, spot curb and gutter repairs, striping and landscape restoration, along with pavement investigation and design. Also included preparation of the Contract Plans, Special Provisions and Cost Estimates for the design of the pavement resurfacing. The preparation of the design and contract documents were prepared per IDOT Guidelines for Federally Funded Projects and included coordination with the Village and IDOT Bureau of Local Roads. Mehul Patel, PE, Village Project Manager 630.789.7039
Project Team	Robert Deming, PE, LEED GA - Project Manager / Douglas Keppy, PE – Civil Engineer / Paul Koc, PE - Design Engineer / Mark Johnson, PE - QA/QC Review
Construction Cost/Fee/Year	$123,000 (Project Cost) / $11,200 / 2014-2015



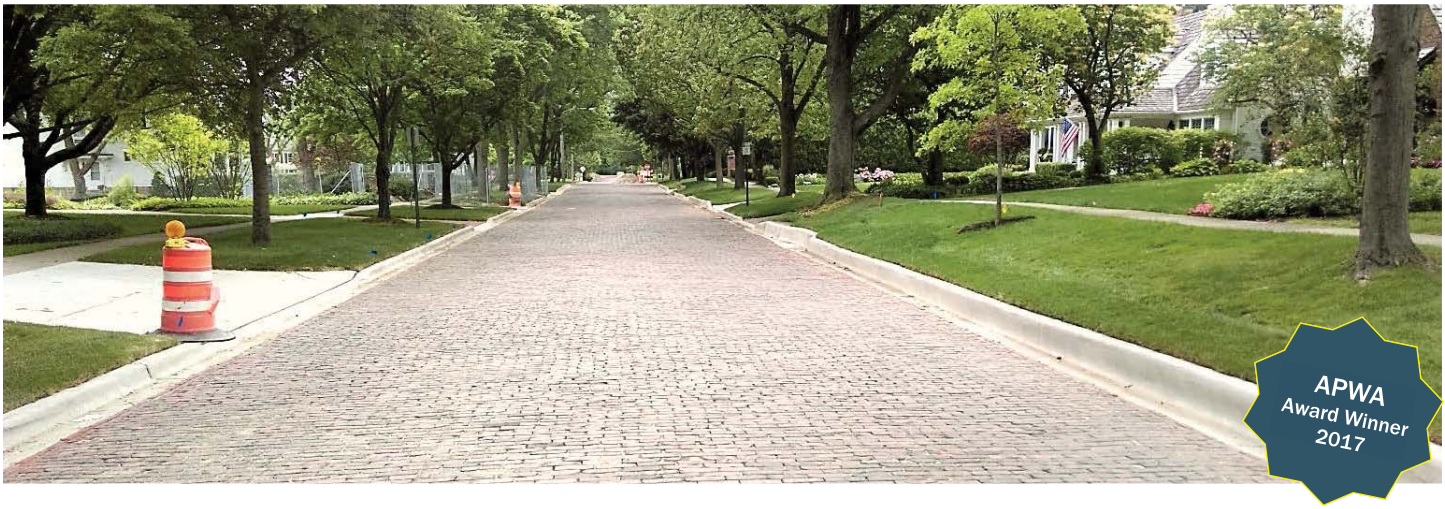
Project/Client	Foster Avenue LAFO Resurfacing / Village of Bensenville
Scope of Work/(Contractor)/ Client POC	Phase II Civil Design and Permitting services for pavement resurfacing of ~5,300 feet of Foster Avenue from Illinois 83 to York Road. Local Agency Functional Overlay (LAFO) funding was used. Scope of Work: Grind and overlay of the pavement, pavement patching, spot curb and gutter repairs, striping and landscape restoration, along with pavement investigation and design. Also included preparation of the Contract Plans, Special Provisions and Cost Estimates for the design of the pavement resurfacing. The preparation of the design and contract documents were prepared per IDOT Guidelines for Federally Funded Projects and included coordination with the Village and IDOT Bureau of Local Roads. Mehul Patel, PE, Village Project Manager 630.789.7039
Project Team	Robert Deming, PE, LEED GA - Project Manager / Douglas Keppy, PE – Civil Engineer / Paul Koc, PE - Design Engineer / Mark Johnson, PE - QA/QC Review
Construction Cost/Fee/Year	$661,000 (Project Cost) / $33,500 / 2014







Project/Client	County Line Road Watermain Replacement / Village of Bensenville
Scope of Work/(Contractor)/ Client POC	Phase II Civil Design, Drainage Design and Permitting Services for the watermain replacement along County Line Road, from Green Street south to Jefferson Street. Scope of Work: Design of watermain replacement and relocation from the street to the utility congested west parkway of County Line Road to minimize impacts to the corridor. Also included preparation of the Contract Plans; Special Provisions for the design of the watermain improvements, driveway reconstruction and landscape restoration, and utility relocations; and preparation/submittal of IEPA and Cook County permits. Topographic survey was performed. Joseph Caracci, Village Public Works Director 630.350.3435
Project Team	Robert Deming, PE, LEED GA - Project Manager / John Fehlberg, PE – Project Engineer
Construction Cost/Fee/Year	$425,000 (Project Cost) / $34,998 / 2012



Project/Client	2016 Roadway & Infrastructure Improvement / Village of Hinsdale
Scope of Work/(Contractor)/ Client POC	Phase II design & Phase III construction management services for the Village of Hinsdale's 2016 Roadway & Infrastructure Project using Village funding. Scope of Work: Plan development for various street improvements; sewer separation (construction of storm sewer) to reduce combined sewer overflows; pavement reconstruction of PCC pavement with new HMA pavement; new drainage structures; preparation of Contract Plans and Special Provisions for the design of the watermain improvements and pavement rehabilitation, driveway and sidewalk reconstruction and landscape restoration; and construction management and inspection. Tasks included data collection, survey, geotechnical, sewer cleaning coordination, drainage structure inspections, roadway design, drainage design, geometric study, and traffic management planning. First Street reconstruction included the re-use of existing brick, the addition of PCC combination curb and gutter, storm sewers to capture sump pump discharges on the block, and watermain replacement. Dan Deeter, Village Engineer 630.789.7039
Project Team	Robert Deming, PE, LEED GA – Phase II Project Manager / Michael Ewers, PE, CPII – Phase III Project Manager / Douglas Keppy, PE – Project Engineer / Dawn Cosentino, PE, CFM –Lead Drainage Engineer / Paul Koc, PE – Design Engineer / Mohammed Barkatullah, Construction Inspection
Construction Cost/Fee/Year	$1.9 Million (Design & Construction) / $49,895 (Construction) & $56,659 (Design) / 2015-2016






Project/Client	Downtown Streetscape / City of Wheaton, DuPage County
Scope of Work/(Contractor)/ Client POC	Design engineering services for the first phase of the City of Wheaton Downtown Streetscape, located at Front Street from West Street to Cross Street including Martin Plaza. Scope of Work: Removal and replacement of pavement, sidewalk and streetlights within the existing right of way along Front Street; designs for new pavement, street lights and streetscape elements for the corridor; ADA upgrades/updates to all designs for sidewalk and crosswalk replacements. Other tasks include: data collection; agency (Wheaton, DuPage County & Metra/UP) coordination, utility coordination, complete streets analysis; field inspection; lighting design/analysis and selection; ADA/PROWAG study; sidewalk geometric study; traffic management planning; and construction administration. Sarang Lagvankar, City of Wheaton Project Manager 630.260.2000
Project Team	Robert Deming, PE, LEED GA –Project Manager / Chad Dillavou, PE, PTOE – Project Engineer / Douglas Keppy, PE –Design Engineer / Matt Villanueva, PE – Design Engineer / Maura Lakowski, PE – Design Engineer / Paul Koc, PE – Design Engineer / Frank Zurek, PE – Coordination, Complete Streets / Dawn Cosentino, PE, CFM – Lead Drainage Engineer / Scott VanDerAa, PE, PTOE – QAQC
Construction Cost/Fee/Year	$5.1 Million (Project Cost) / $537,090 / 2017





Project/Client	On-Call Drainage Studies & Design / DuPage County Public Works
Scope of Work/(Contractor)/ Client POC	Phase II engineering services for drainage improvements in Unincorporated DuPage County. Scope of Work: Provide concept drawings and final plans based on the chosen concept for a streambank stabilization project along an existing eroded ditch. Primera's tasks involve data collection, environmental coordination, inventory and analysis, drainage study, hydrologic and hydraulic calculations, and design of streambank stabilization and storm sewer. Greg Phillips, Village Public Works Project Manager 630.407.6800
Project Team	Dawn Cosentino, PE, CFM - Project Manager / Mohammad Husain, PE, SE – Structural Design Engineer
Construction Cost/Fee/Year	Total $ TBD (Ongoing) / $78,800 (Ongoing) / 2016-2017





Project/Client	Addison Creek Reservoir Flood Control Project / Metropolitan Water District of Greater Chicago
Scope of Work/(Contractor)/ Client POC	Phase II engineering services for streambank stabilization along 1130 linear feet of Addison Creek in the Village of Bellwood, as part of a larger flood control project. Involved the construction of an overflow weir, drop structures, reservoir and pump station to store stormwater during large storm events. Scope of Work: Provide concept drawings and final plans for the streambank stabilization, and erosion and sedimentation control plans. Primera's tasks involve data collection, project coordination, inventory and analysis, and design of streambank stabilization or storm sewer. Thomas Burke, VP Chistopher B. Burke Engineering 847.823.0500 Catherine O'Connor, MWRD Director of Engineering 312.751.7905
Project Team	Dawn Cosentino, PE, CFM - Project Manager / Douglas Keppy, PE – Project Engineer
Construction Cost/Fee/Year	$60 Million (Est.) / $50,100 / 2015-2016



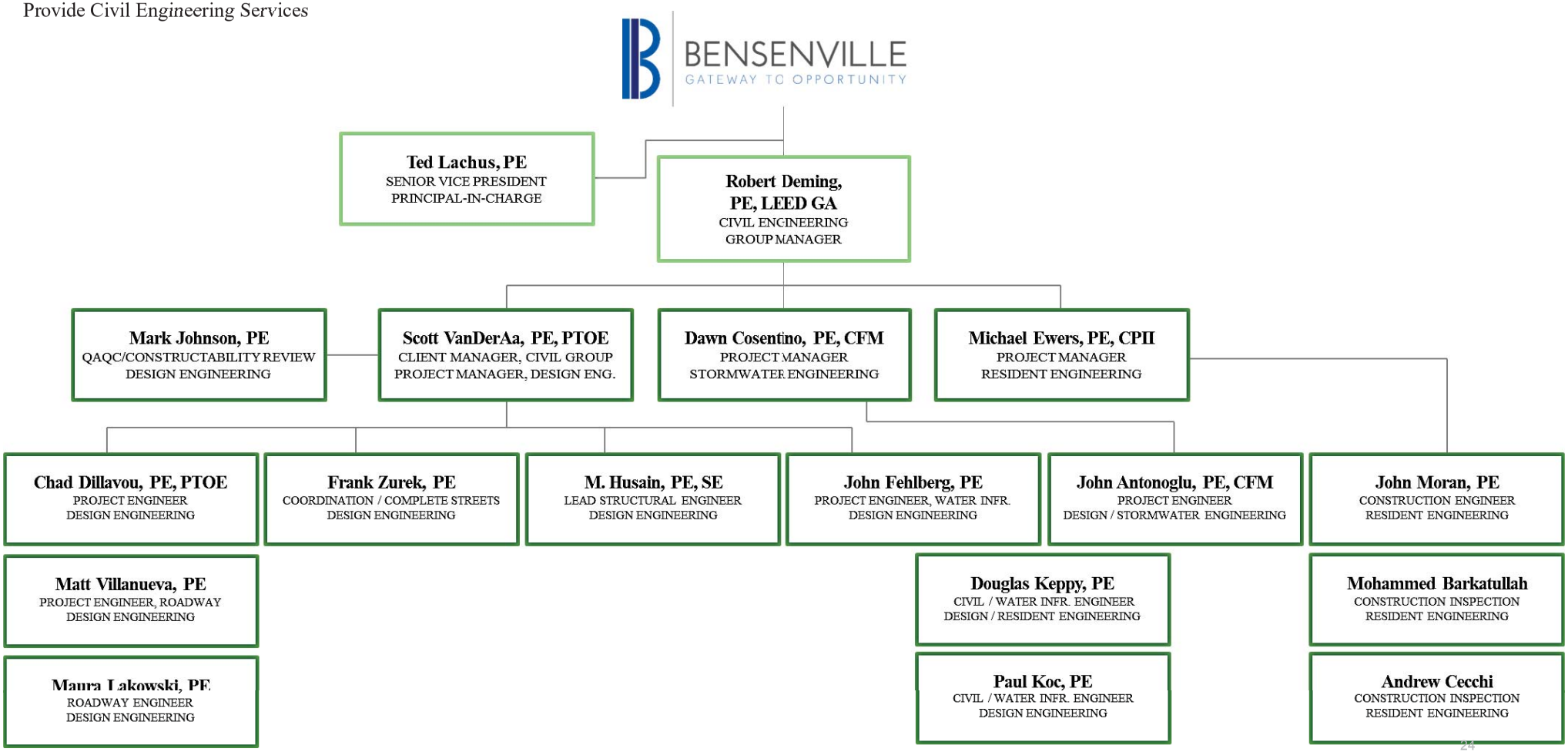
Project/Client	CH 40 (Yackley Avenue) Over BNSF RR / DuPage County Division of Transportation
Scope of Work/(Contractor)/ Client POC	Phase III engineering services for bridge improvements to Yackley Avenue over the Burlington Northern Santa Fe Railroad in Lisle, Illinois. DuPage County funding was used. Scope of Work: Bridge deck overlay and bridge joint repair; two bridges over the BNSF Railroad were scarified and a latex concrete overlay was constructed; approach slab replacement; reconstruction of transverse joints; replacement of some bearing assemblies at the abutments; and construction management tasks including specification enforcement, measurement of quantities, contract administration, and contract coordination. Paul Krueger, Chief Highway Engineer 630.407.6900
Project Team	Michael Ewers, PE, CPII – Project Manager (P/T) / John Moran, PE – Project Manager
Construction Cost/Fee/Year	$1.38 Million / $158,144 / 2015



Project/Client	Various Construction Inspection Projects / IDOT Region 1, District 1
Scope of Work/(Contractor)/ Client POC	Phase III Construction engineering services for various roadway system improvements for the Illinois Department of Transportation (IDOT), using IDOT funding. Projects are located within IDOT Region 1/District 1, including Cook, DuPage, Will and Kane Counties. Scope of Work: HMA surface removal, pavement patching, curb and gutter replacement, ADA sidewalk modifications, detector loop, leveling binder, HMA surfacing, thermoplastic pavement markings, PCC patching, box culvert repairs, storm sewer repairs, and bridge deck replacements. Consulting engineering services also includes contractor oversight, project documentation, progress meetings, measurements, recommendation of pay to contractors, public meetings and all duties consistent with the successful closeout of the contract. John Fortmann, Deputy Director/IDOT R1 Engineer 847.705.4475
Project Team	Michael Ewers, PE, CPII – Project Manager / John Moran, PE – Construction Inspection / Mohammed Barkatullah – Construction Inspection / Andrew Cecchi – Construction Inspection
Construction Cost/Fee/Year	$10 Million / $749,797 / 2016 - Ongoing

Proposed Staff Experience

Proposed Team for Short-Lists to
Provide Civil Engineering Services



Staff Qualifications

Name/Registration/Title	Years of Exp./ @Firm	IDOT/Municipal Project Experience
Ted Lachus, PE *Sr. VP, Primera* *Principal-in-Charge*	39/8	**Project Principal for all projects listed.** Planning, study, design, and management of transportation projects which includes local streets, primary and arterial highways, expressways, freeways, and tollways. Project coordination (clients and stakeholders); development and monitoring of project scopes, budgets, and schedules; managing and coordinating project personnel and subconsultants; performing traffic analysis and hydrologic and hydraulic studies; developing highway geometrics, traffic control and staging plans, storm water system layouts and designs, site plans, ROW plats and legal descriptions, special provisions and cost estimates; and the preparation of public meeting exhibits. Quality control plans, peer reviews and quality assurance audits.
Robert Deming, PE, LEED GA *Civil Engineering Group Manager* *Design Engineering*	21/7	• **Village of Bensenville:** 1) Pump House and Site Improvements 2) Brookwood Street to Marshall Road LAFO Resurfacing 3) Foster Avenue LAFO Resurfacing 4) County Line Road Watermain Replacement. • **Village of Hinsdale:** 2016 Roadway and Infrastructure Improvement Project • **City of Wheaton:** Downtown Streetscape Improvements Civil engineering design and construction management including experience in local streets, primary and arterial highways, streetscapes and median improvements, and site development. Experienced in civil and roadway designs, developing roadway geometry, site plans, traffic control and staging plans, erosion control plans, special provision, cost estimates, and QA/QC.

Scott VanDerAa, PE, PTOE
Project/Client Manager
Design Engineering
	33/3	• **City of Wheaton:** Downtown Streetscape Improvements
		• **Cook County Department of Transportation and Highways**
		  o Project Engineer and Pavement Geometrics Assistant division head (20 years, Design Bureau)
		  o Traffic Engineering and Operations division head (10 years, Transportation and Planning Bureau)
		
		Planning, study, design, and maintenance of highways.
		
		Significant project engineering and project management experience for reconstruction and rehabilitation projects, traffic engineering and studies, geometric design, preliminary/phase I engineering, design engineering and contract preparation, signing and pavement marking maintenance, contract management, permit reviews, coordination with government agencies and other stakeholders.
		
		Extensive knowledge/application of national and state design standards and policies.

Chad Dillavou, PE, PTOE *Project Engineer, Roadway* *Design Engineering*	9/3	• **City of Wheaton:** Downtown Streetscape Improvements Planning, design, and construction transportation project experience. Traffic engineering and management including traffic studies, preliminary engineering studies, geometric design, and public involvement. Experience with traffic analysis software (HCS +, HCS 2010, Synchro) and applying the Context Sensitive Solutions process on projects.

Matt Villanueva, PE *Project Engineer, Roadway Design Engineering*	8/3	• **City of Wheaton:** Downtown Streetscape Improvements Design engineering lead involved in planning, study, and design of transportation projects. Development of contract plans and documents including highway geometrics, traffic control and staging plans, signing, traffic analyses, special provisions, quantities and cost estimates, and preparation of public meeting exhibits.
Maura Lakowski, PE *Roadway Engineer Design Engineering*	5/5	• **Village of Bensenville:** Pump House and Site Improvements • **City of Wheaton:** Downtown Streetscape Improvements Design engineer with 5 years of experience in transportation engineering design. Involved in various aspects of project design including highway geometrics, traffic control and staging plans, signing, drainage systems, special provisions, and quantity calculations and cost estimates.
Frank Zurek, PE *Utility / Complete Streets Design Engineering*	9/4	• **City of Wheaton:** Downtown Streetscape Improvements Design and construction management experience, specializing in complete streets facilities. Previously worked as a utility coordinator at the Illinois Department of Transportation (IDOT) Division of Highways. Interned at City of Chicago Department of Transportation (CDOT) working on improving city bicycle facilities. Interned at IDOT, assisting the resident engineer and consultants on lighting, communication, and surveillance contracts for the Dan Ryan Reconstruction Project.

Mark Johnson, PE *QAQC / Constructability Review* *Design Engineering*	39/7	• **Village of Bensenville:** 1) Pump House and Site Improvements 2) Brookwood Street to Marshall Road LAFO Resurfacing 3) Foster Avenue LAFO Resurfacing Planning, study, design and maintenance of highways and bridges. Mark currently provides QA/QC review for plan and specification work. Responsible for project coordination with government agencies and other stakeholders, developing and monitoring of project scopes, budgets, and schedules; managing and coordinating project personnel and consultants; representing highway agencies and clients at public meetings; analysis and design.
Mohammad Husain, PE, SE *Project Engineer, Structural* *Design Engineering*	47/3	• **DuPage County Public Works:** On-Call Drainage Studies Lead Structural Engineer with planning and design experience of railroad, highway and bridge structures for various state, city and municipal agencies including IDOT, CDOT, Cook County and DuPage County. QA/QC review, structural analysis and design, TS&L plans and final design of transportation structures.
John Fehlberg, PE *Water Infrastr. / Civil Eng. Lead* *Design Engineering*	20/11	• **Village of Bensenville:** 1) Pump House and Site Improvements 2) County Line Road Watermain Replacement, Village of Bensenville Lead Civil Engineer experienced in analysis, design, and preparation of civil contract documents for site layout, utilities, drainage and stormwater management, and site hardscape elements; geotechnical investigations, analysis, and design of foundations, tunnels, and underground structures; shoreline management/stabilization design, and permitting. Construction management and construction inspection experience.

Paul Koc, PE *Water Infrastr. / Civil Design Eng.* *Design Engineering*	5/5	• **Village of Bensenville:** 1) Pump House and Site Improvements 2) Brookwood Street to Marshall Road LAFO Resurfacing 3) Foster Avenue LAFO Resurfacing • **Village of Hinsdale:** 2016 Roadway and Infrastructure Improvement Project • **City of Wheaton:** Downtown Streetscape Improvements Design engineering lead with experience in civil and transportation engineering. Focus on municipal, higher education, parks and recreation, and K-12 markets. Software experience in AutoCAD Civil 3D, Autoturn, and StormCAD.
Douglas Keppy, PE *Water Infrastr. / Civil Engineer* *Design & Stormwater Engineering*	4/4	• **Village of Bensenville:** 1) Pump House and Site Improvements 2) Brookwood Street to Marshall Road LAFO Resurfacing 3) Foster Avenue LAFO Resurfacing • **Village of Hinsdale:** 2016 Roadway and Infrastructure Improvement Project • **City of Wheaton:** Downtown Streetscape Improvements Civil and transportation engineering lead experienced in site and drainage design, and construction administration. Project experience within various markets including educational, municipalities, private utilities, state agencies, parks and recreation, and commercial. Software experience includes AutoCAD Civil 3D, Hydraflow, StormCAD, and MicroStation.

Dawn Cosentino, PE, CFM *Project Manager, Water Resource Design & Stormwater Engineering*	18/3	• **DuPage County Public Works:** On-Call Drainage Studies • **Metropolitan Water Reclamation District of Greater Chicago:** Addison Creek Reservoir Flood Control • **Village of Hinsdale:** 2016 Roadway and Infrastructure Improvement Project • **City of Wheaton:** Downtown Streetscape Improvements Lead Drainage Engineer and Certified Floodplain Manager focusing on floodplain and stormwater management in the private and government sectors. Expertise in hydrologic and hydraulic modeling, design and environmental permitting, project management, agency coordination, and team collaboration. Hydrologic modeling experience: Rational Method, HEC-HMS, HydroCAD, USGS Regression Equations, Pond Pack, HEC-1, and TR-20. Hydraulic modeling experience: HEC-RAS, HEC-2, StormCAD, and HY-8. Permitting experience: IDNR-OWR Floodway Permitting, USACE Section 404 Permitting, IEPA NPDES Permitting, Erosion and Sediment Control Permitting, EcoCAT, USFWS, and IHPA clearances, and 401 Water Quality Certification.
John Antonoglu, PE, CFM *Project Engineer, Water Resource Design & Stormwater Engineering*	26/17	• **Village of Bensenville:** Pump House and Site Improvements Certified Floodplain Manager involved in projects on a technical and management level for major clients that include municipal utilities, aviation, institutional, private commercial, and residential developments. LEED and flood plain expert with experience in sustainable design, storm water management, water and wastewater treatment, and environmental engineering. sustainable design and construction practices.

Michael Ewers, PE, CPII *Construction Group Manager* *Resident Engineering*	34/4	• **IDOT Region 1/District 1:** Various Construction Inspection • **DuPage County Division of Transportation:** Yackley Avenue Bridge over BNSF Railroad • **Village of Hinsdale:** 2016 Roadway and Infrastructure Improvement Project • **City of Wheaton:** Downtown Streetscape Improvements • 30-year tenure at the Cook County Highway Department: o Acting chief engineer directly responsible for the leadership and direction of the Construction Bureau, overseeing the implementation of the Highway Department's construction program, both field operations and office functions. o Supervising engineer in charge of resident engineers overseeing project constructions throughout the North, South, and Central areas of Cook County, and the City of Chicago (15 years). Construction Engineering manager with significant experience coordinating with government agencies and other stakeholders, documentation, planning, monitoring budgets and schedules, and managing and coordinating project personnel and consultants.
John Moran, PE *Project Manager, Construction* *Resident Engineering*	7/2	• **IDOT Region 1/District 1:** Various Construction Inspection • **DuPage County Division of Transportation:** Yackley Avenue Bridge over BNSF Railroad Civil and Construction Engineer responsible for supervising staff and managing multiple aspects of project operations. Prior experience as a construction laborer; as project engineer with the Indiana Department of Transportation; and as an intern in the general contracting industry.

Andrew Cecchi *Construction Inspection* *Resident Engineering*	2/ 6 months	• **IDOT Region 1/District 1:** Various Construction Inspection Civil Engineer with experience in both Phase II Design Engineering and Phase III Construction Management. Responsibilities include construction inspection and documentation of tollway/expressway and interchange reconstruction, as well as design of highway improvements for expressways and arterial streets.
Mohammed Barkatullah *Construction Inspection* *Resident Engineering*	27/12	• **IDOT Region 1/District 1:** Various Construction Inspection • **Village of Hinsdale:** 2016 Roadway and Infrastructure Improvement Project Construction Inspection Lead experienced in civil-infrastructure with a strong commitment for work completed on time and within budget.



Robert's Credentials

Professional Engineer, Illinois, *062.057483, 2004* | Bachelor of Science, Civil Engineering, Southern Illinois University, Edwardsville, 1996 | Bachelor of Science, Engineering Science, Aurora University, 1995 | LEED Green Associate, GBCI 10539921

Project Experience

Pump House and Site Improvements, Village of Bensenville, *DuPage County, Illinois.* Civil Project Manager for Phase II Design project for the Village's Foster Ave. Pump House and North Plant facility/site improvements. Oversaw the design of demolition, access roads, fencing, signage, site security features, layout of the pump station surface features, and design of siren relocation. A stormwater management analysis was performed.

Brookwood Street–Marshall Road LAFO Project, Village of Bensenville, *DuPage County, Illinois.* Project Manager for the design of pavement resurfacing of approximately 800 feet of Brookwood Street and Marshall Road from IL-83 to IL-19 using Local Agency Functional Overlay (LAFO) funding. Improvements involve a grind and overlay of the pavement, pavement patching, spot curb and gutter repairs, striping and landscape restoration, along with pavement investigation and design.

Foster Avenue LAFO Project, Village of Bensenville, *DuPage County, Illinois.* Project Manager for the design of pavement resurfacing of approximately 5,300 feet of Foster Avenue from IL-83 to York Road using LAFO funding. Improvements involve a grind and overlay of the pavement, pavement patching, spot curb and gutter repairs, striping and landscape restoration, along with pavement investigation and design.

County Line Road Watermain Replacement, *Village of Bensenville, Illinois.* Project Manager for the watermain replacement along County Line Road from Green Street, south to Jefferson Street, including relocation of the new watermain from the street to the utility congested west parkway of County Line Road in order to minimize impacts to the corridor. Primera prepared the Contract Plans and Special Provisions for the design of the watermain improvements, driveway reconstruction and landscape restoration, and utility relocations.

2016 Roadway and Infrastructure Improvement Project, Village of Hinsdale, *DuPage County, Illinois.* Project Manager for Primera's design team providing design engineering services for the Village of Hinsdale's 2016 Roadway & Infrastructure Project. Tasks include Data collection; Survey, geotechnical, sewer cleaning coordination; drainage structure inspections, roadway design, drainage design; geometric study; and traffic management planning.

Western Avenue Business District Streetscape, Blue Island, Cook, *Illinois.* Project Manager for Civil engineering services for landscape and streetscape improvements along Western Avenue and Olde Western Avenue. The Western Avenue project area includes all public right-of-way between 119th Street and Grove Street plus Vermont Street from Greenwood Avenue and the Olde Western Avenue project area was from 135th Street to Canal Street. Work for this project included removal and replacement of the sidewalk and streetlights from the back of the curb to the existing right of way.



Scott's Credentials

Professional Engineer, Illinois, *062.045643, 1990* | Bachelor of Science, Civil Engineering, University of Illinois at Urbana-Champaign, 1983 | Professional Traffic Operations Engineer #3917, 2015

Project Experience

Western Avenue Streetscape Improvement Project, City of Blue Island, *Will County, Illinois*. QA/QC Engineer for updates to roadside elements along Western Ave and Vermont Streets in Blue Island, IL. Updates include all bicycle and pedestrian facilities to meet complete streets and improve mobility for non-motorist users to reach the downtown district, Metra stations, and Cal-Sag Bike Trail. This project is multi-segmented, used federal and local funds, and an ITEP application for additional funding was submitted. Project tasks include coordination with city officials, sidewalk, bike path, and driveway design, development of plans, special provisions, and cost estimate.

IL Route 22 Phase II Design, Quentin Road to IL 83, Illinois Department of Transportation, *Hawthorn Woods, Long Grove & Kildeer, Illinois.* Project Manager for Phase II Design that included roadway reconstruction, profile modification, roadway widening, median landscaping and improvements, shared use path, replacement of several box culverts, and an improved drainage system. Primera's services include development of plans, specifications and estimates for roadway, MOT, drainage and utilities, retaining walls and box culverts, erosion control, shared use path, and traffic signals.

Traffic Engineering Services Contracts, CCDOTH, *Cook County, Illinois.* Project Manager for task order contracts. Responsible for assigning and reviewing various traffic engineering tasks for roadway improvements, site developments, and in response to traffic issues/requests from outside the department. Tasks included Intersection Design Studies, capacity analysis, traffic counts and projections, speed studies, signal and stop warrant studies, crash studies, and permit/traffic impact study reviews.

Bicycle and Pedestrian Accommodations Study, Illinois Department of Transportation, *Region 1 / District 1, Illinois.* Project Manager for the study to evaluate accommodating bicycle and pedestrian facilities on State routes located in IDOT Region 1 / District 1. The study included: traffic and speed data collection; traffic field reviews; safety, operational and maintenance analysis and review; review and development of updates to current guidelines and criteria; public involvement; development of a feasibility study report; enhancement of related GIS data; and coordination with other state DOT's and bicycle/pedestrian advocacy groups.

Roselle Road Shared Use Path & Bridge Phase I Study, *Village of Schaumburg, Illinois.* Project Manager for the preparation of a Project Development Report for a new shared use path and bridge along Roselle Road that will cross I-90 (Jane Addams Tollway), Central Road and Salt Creek, and connect with Cook County Forest Preserve trails. Multiple options for path and bridge alignments were analyzed in conjunction with roadway reconstruction along Roselle Road and Central Avenue proposed by the Illinois Tollway. Also included grading and drainage improvements, ADA/PROWAG access and compliance, and permit coordination.



Chad's Credentials

Professional Engineer, Illinois, *062.064582, 2012* | Bachelor of Science, Civil Engineering, University of Illinois at Chicago, 2008 | Professional Traffic Operations Engineer #3514, 2014

Project Experience

Western Avenue Streetscape Improvement, City of Blue Island, *Will County, Illinois*. Project Engineer for updates to roadside elements along Western Ave and Vermont Streets in Blue Island, IL. Updates include all bicycle and pedestrian facilities to meet complete streets and improve mobility for non-motorist users to reach the downtown district, Metra stations, and Cal-Sag Bike Trail. This multi-segmented project used federal and local funds. Developed and submitted an ITEP application for local funding. Project tasks include coordination with city officials, sidewalk, bike path, and driveway design, development of plans, special provisions, and cost estimate.

IL Route 22 Phase II Design, Quentin Road to IL 83, Illinois Department of Transportation, *Hawthorn Woods, Long Grove & Kildeer, Illinois.* Project Engineer for Phase II Design that included roadway reconstruction, profile modification, roadway widening, median landscaping and improvements, shared use path, replacement of several box culverts, and an improved drainage system. Primera's services include development of plans, specifications and estimates for roadway, MOT, drainage and utilities, retaining walls and box culverts, erosion control, shared use path, and traffic signals.

Wheaton Downtown Streetscape, City of Wheaton, *DuPage County, Illinois.* Project Engineer for design engineering services for the Phase I implementation of the City of Wheaton Downtown Streetscape. Scope of work involves removal and replacement of pavement, sidewalk and streetlights within the existing ROW. Designs for new pavement, street lights and streetscape elements for the corridor is also included. Current ADA standards have been applied to all designs for sidewalk and crosswalk replacements.

Wheaton Guardrail Modernization, City of Wheaton, *DuPage County, Illinois.* Project Engineer for field evaluation and analysis of guardrail infrastructure at various locations throughout the City. Project goal was to determine the required improvements necessary for modernization to meet current Department of Transportation standards.

Elder-Hawthorne-Emerson Resurfacing, Village of Franklin Park, *Village of Franklin Park, Illinois.* Project Engineer for Phase I/II project aimed at roadway resurfacing, and curb and gutter replacement using Motor Fuel Tax funds. Visited project site to obtain pertinent data for resurfacing and replacement quantities, created roadway alignments using existing aerial imaging, developed plan and profile sheets for proposed improvements and located necessary IDOT details for contract development.

Robinson-King Condition Assessment, Village of Franklin Park, *Cook County, Illinois.* Project Engineer for roadway condition assessment report about existing infrastructure conditions, including conceptual recommendations for improvements for roadways, sidewalks, ADA facilities, water system, sanitary sewer system, storm sewer system, and street lighting system.



Matt's Credentials
Professional Engineer, Illinois, *062.066203, 2014* | Bachelor of Science, Civil Engineering, University of Illinois – Chicago, 2009 | IDOT Doc Cert 12-0272, 2015

Project Experience

Western Avenue Streetscape Improvement Project, City of Blue Island, *Will County, Illinois*. Design Engineer for updates to roadside elements along Western Ave and Vermont Streets in Blue Island, IL. Updates include all bicycle and pedestrian facilities to meet complete streets and improve mobility for non-motorist users to reach the downtown district, Metra stations, and Cal-Sag Bike Trail. This multi-segmented project used federal and local funds.

Wheaton Downtown Streetscape, Phase I Study, City of Wheaton, *DuPage County, Illinois.* Design Engineer for design engineering services for the Phase I implementation of the City of Wheaton Downtown Streetscape. Scope of work involves removal and replacement of pavement, sidewalk and streetlights within the existing ROW. Designs for new pavement, street lights and streetscape elements for the corridor is also included. Current ADA standards have been applied to all designs for sidewalk and crosswalk replacements.

Maintenance of Traffic Planning – Various Locations, Integrys/Peoples Gas, *Chicago, Illinois.* Project Engineer as part of the Primera team providing maintenance of Traffic (MOT) engineering design for proposed gas lines extension, bridge supports or new connections at various designated locations throughout Chicago as part of a task order blanket contract. Phase II design work will consist of the preparation of MOT and detour contract plans, including submittals to the City of Chicago Department of Transportation's Office of Underground Coordination (COOT OUC) and the Illinois Department of Transportation (IDOT), when applicable.

Michigan City Street Conversion, Michigan City Redevelopment Commission, *Michigan City, Indiana.* Roadway Design Engineer for the conversion of one-way to two-way vehicular traffic flow of various city streets. The goal of this project was to improve traffic flow, accessibility and the business district curb. The project transitioned traffic flow patterns back to two-way traffic flow, as was present in Michigan City prior to 1967. The Street Conversion project was an integral portion of the larger Lake Michigan Gateway Implementation Strategy (LMGIS). Primera's community outreach for the project involved contacting numerous local business and governmental agency stakeholders

Robinson-King Condition Assessment, Village of Franklin Park, *Cook County, Illinois.* Design Engineer for roadway condition report about existing infrastructure conditions, including conceptual recommendations for improvements for roadways, sidewalks, ADA facilities, water system, sanitary sewer system, storm sewer system, and street lighting.

I-57 Access Justification Report, South Suburban Airport, *Will County, Illinois.* Design Engineer for concept designs of a proposed interchange system that connected I-57 and IL-50 to the proposed South Suburban Airport by way of South Suburban Access Road.



Maura's Credentials

Professional Engineer, Illinois *062.068638, 2016* |
Bachelor of Science, Civil Engineering, Rose-Hulman Institute of Technology

Project Experience

Pump House and Site Improvements, Village of Bensenville, *DuPage County, Illinois.* Civil Design Engineer for Phase II Design project for the Village's Foster Ave. Pump House and North Plant facility/site improvements. Oversaw the design of demolition, access roads, fencing, signage, site security features, layout of the pump station surface features, and design of siren relocation. A stormwater management analysis was performed.

Western Avenue Business District Streetscape, Blue Island, Cook, *Illinois.* Design Engineer for landscape and streetscape improvements along Western Avenue and Olde Western Avenue. The Western Avenue project area includes all public right-of-way between 119th Street and Grove Street plus Vermont Street from Greenwood Avenue and the Olde Western Avenue project area was from 135th Street to Canal Street. Project also included removal and replacement the sidewalk and streetlights.

Maintenance of Traffic Planning – Various Locations, Integrys/Peoples Gas, *Chicago, Illinois.* Design Engineer as part of the Primera team providing Maintenance of Traffic (MOT) engineering design as part of a task order blanket contract. Each MOT engineering task order to create maintenance of traffic (MOT) plans for proposed gas lines extension, bridge supports or new connections are located in various locations throughout Chicago. Phase II design work consists of the preparation of MOT and detour contract plans, including submittals to the City of Chicago Department of Transportation's Office of Underground Coordination (COOT OUC) and the Illinois Department of Transportation (IDOT), when applicable.

IL 120 over US 41, UPRR, and Old Skokie Road, Illinois Department of Transportation, *Park City and Waukegan, Lake County, Illinois.* Design Engineer for Phase II professional engineering services to develop construction contract documents, specifications and estimates for the rehabilitation of the bridges carrying Illinois 120 over US 41, UPRR, and Old Skokie Road (SN 049-0050 & SN 049-0051). Design work consisted of removal and replacement of the deck along with repair of abutments and piers with formed concrete repairs for both bridge structures.

IL-22 from Quentin Rd to IL-83, Illinois Department of Transportation, *Hawthorn Woods, Long Grove and Kildeer, Illinois.* Design Engineer for Phase II professional engineering services to develop construction contract documents, specifications and estimates for the proposed roadway improvements on FAP Route 337.

Cornell Square and Eckhart Parks, Chicago Park District, *Chicago, Illinois.* Design Engineer for the redevelopment of Cornell Square and Eckhart Parks in Chicago. The park improvements include a new state-of-the-art playground, pathway lights, grading and drainage improvements, water service installation for water spray feature and drinking fountains.



Frank's Credentials
Professional Engineer Illinois, *062.067122, 2015* | Bachelor of Science, Civil Engineering, University of Illinois at Chicago, 2008.

Project Experience

Village Crossing Improvements, Village of Niles, *Cook County, Illinois.* Civil Engineer for the design and coordination of improvements at three crossing locations. These crossings are located on heavily travelled shared-use paths or bicycle routes and cross four lanes of traffic with no medians. Originally approved and planned to include rectangular rapid flashing beacons (RRFB), a state imposed moratorium on RRFBs may result in a design change during this Phase II project. Responsible for plan development, design of additional bicycle crossing markings, and coordination with IDOT to potentially lift the moratorium and allow the use of RRFBs in this project (provided they are deemed safe at this multi-lane crossing). Otherwise the use of other crossing devices, geometric changes, and/or signage options will be considered.

Western Avenue Business District Streetscape, City of Blue Island, *Cook County, Illinois.* Design Engineer for landscape and streetscape improvements along Western Avenue and Olde Western Avenue. The Western Avenue project area includes all public right-of-way between 119th Street and Grove Street plus Vermont Street from Greenwood Avenue and the Olde Western Avenue project area was from 135th Street to Canal Street. Work for this included removal and replacement the sidewalk and streetlights from the back of the curb to the existing right of way.

Statewide Utility Coordination Program Management, Illinois Department of Transportation Division of Highways, *Cook County, Illinois.* Utility Coordinator for IDOT District 1 in the Bureau of Design, Project Support Section. Coordinated the relocation or inclusion of underground and aerial utilities on all roadway improvement projects under IDOT jurisdiction within south and central Cook County. Job duties included identifying utilities within the project limits, managing plan review by utility and IDOT employees, organizing & facilitating meetings to achieve conflict resolution, and ultimately ensuring the timely compliance of utility relocations or directing State legal action. Job duties also included tracking, reviewing & permitting utilities to install or modify facilities within public right of way.

Franklin Park Condition Assessment, Village of Franklin Park, *Cook County, Illinois.* Report Lead and Project Coordinator for roadway condition assessment report to assess the existing infrastructure conditions, including conceptual recommendations on improving the infrastructure and improving connectivity; as well as a conceptual cost estimate of the required improvements. Primera's assessment included the study area's roadways, sidewalks, ADA facilities, water system, sanitary sewer system, storm sewer system, and street lighting system.

Bicycle and Pedestrian Accommodations Study, Illinois Department of Transportation, *Region 1 / District 1, Illinois.* Phase I engineer and researcher for the study to evaluate bicycle and pedestrian facilities on State routes within IDOT R1 / D1.



Mark's Credentials

Professional Engineer, Illinois, *062.040879, 1997* | Masters of Business Administration, Loyola University Chicago, 1983 | Bachelor of Science, Civil Engineering, University of Illinois-Urbana, 1978

Project Experience

Pump House and Site Improvements, Village of Bensenville, *DuPage County, Illinois.* QAQC/Review Engineer for Phase II Design project for the Village's Foster Ave. Pump House and North Plant facility/site improvements. Oversaw the design of demolition, access roads, fencing, signage, site security features, layout of the pump station surface features, and design of siren relocation. A stormwater management analysis was performed.

Brookwood Street–Marshall Road LAFO Project, Village of Bensenville, *DuPage County, Illinois.* QAQC/Review Engineer for the design of pavement resurfacing of approximately 800 feet of Brookwood Street and Marshall Road from IL-83 to IL-19 using Local Agency Functional Overlay (LAFO) funding.

Foster Avenue LAFO Project, Village of Bensenville, *DuPage County, Illinois.* QAQC/Review Engineer for the design of pavement resurfacing of approximately 5,300 feet of Foster Avenue from IL-83 to York Road using LAFO funding.

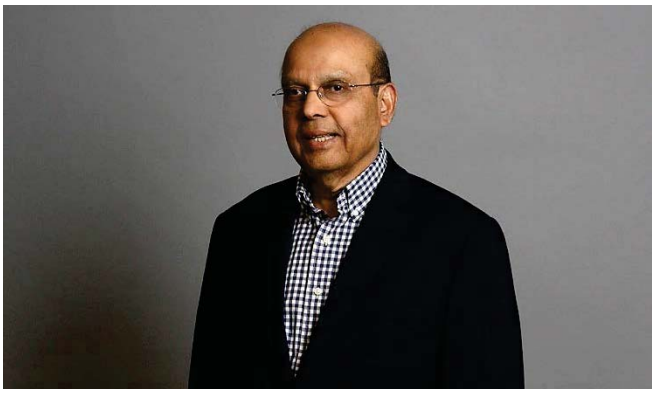
IL Route 22 from Quentin Road to IL Route 83, Illinois Department of Transportation, *Long Grove & Kildeer, Illinois.* QAQC/Review Engineer for Phase II Design involving roadway reconstruction, profile modification, roadway widening, several box culvert replacements, and an improved drainage system. Primera is responsible for roadway plans, maintenance of traffic plans, drainage and utility plans, pavement marking and signing plans, retaining wall and box culvert plans, erosion control plans, multiuse path, improved driveways, traffic signal plans, geotechnical investigations/analyses, supplemental surveys, and permits.

Route FAP339 (IL Route 62), Illinois Department of Transportation, *South Barrington, Illinois.* Constructability Review Engineer for the widening and reconstructing an existing two-lane roadway to a four-lane roadway.

Robinson-King Condition Assessment Study, Village of Franklin Park, *Cook County, Illinois.* QAQC/Review Engineer for roadway condition assessment report on existing infrastructure conditions. Conceptual recommendations and a conceptual cost-estimate were developed for infrastructure and connectivity.

Maintenance of Traffic Planning – Various Locations, Integrys/Peoples Gas, *Chicago, Illinois.* Design Engineer as part of the Primera team providing Maintenance of Traffic (MOT) engineering design at various locations throughout Chicago.

Division Head, Consulting and Estimating Divisions, Bureau of Design, Cook County Highway Department, *Chicago, Illinois.* Managed two separate sections of the Design Bureau including Estimating Section that was responsible for preparing cost estimates for all work let by the Department. Reviewed all in-house design work prior to letting as quality control function.



Mohammad's Credentials

Structural Engineer, Illinois, *081.005529, 1998* | Professional Engineer, Illinois, *062.050010, 1995* | Master of Science, Civil Engineering, Structures, University of New Brunswick, Canada,1970 | Business Management, McGill University, Montreal, Canada

Project Experience

On-Call Drainage Engineering, DuPage County Public Works, *DuPage County, Illinois.* Structural Engineer providing review for Phase II engineering services to stabilize an existing channel that has eroded to within 4 feet of a residential foundation. Plans consist of 400 L.F. of retaining wall to stabilize the streambanks, cross-sections, details and erosion control plans. Primera's tasks involve data collection, environmental coordination, inventory and analysis, drainage study, and design of streambank stabilization and storm sewer.

IL Route 22, from Quentin Road to IL Route 83, Illinois Department of Transportation, *Long Grove & Kildeer. Illinois.* As Senior Structural Engineer supervised design and performed QA/QC for 22 retaining walls with a maximum height of 20 ft. required for roadway reconstruction and widening from two lanes to a four-lane cross-section with a landscaped median. This project also required replacement of several box culverts.

FAP 342 / IL 120 over US 41, UPRR, and Old Skokie Road (SN 049-0050 & SN 049-0051), Illinois Department of Department of Transportation, *Park City & Waukegan, Lake County, Illinois.* As Senior Structural Engineer supervised design and performed QAQC for Phase II engineering services for the improvement of two (2) four span, non-composite steel beam structures.

Sterling Lumber Retaining Wall, Canadian Pacific Railroad (CNRR), *Phoenix, Cook County, Illinois.* Senior Structural Design Engineer for engineering services for the Sterling Lumber CNRR Spur Retaining Wall to facilitate the construction of a spur track to serve the facility in Phoenix, Illinois.

North Branch Chicago River Bicycle Trail Bridges, Forest Preserve District of Cook County, *Cook County, Illinois.* Senior Structural Engineer supervising structural design services for the piers, abutments, wingwalls and foundation systems to support the prefabricated trusses of two new bridges located on the bicycle trail.

FAP 346 (US 41 @ IL 132) Union Pacific Railroad over IL 132, Phase II Bridge Replacement, Illinois Department of Transportation, *Gurnee, Illinois.* Participated as Sr. Project Engineer and Lead Bridge Engineer on Phase II engineering project for the preparation of contract plans, specifications and estimates including Structure Type, Size, and Location plans, and structure and roadway plans for the improvement to the existing structure carrying the Union Pacific Railroad over IL 132.

Bicycle Path Bridge over Union Pacific Railroad, Wheaton Park District, *Wheaton, Illinois.* As Senior Project Manager participated in structural design and project management of 13'-4" wide, 11 span, 892 feet long composite steel girder bridge. Project included 200 feet of curved girder section with a radius of 150 feet.



John's Credentials
Professional Engineer, Illinois *062.054915, 2001* |
Bachelor of Science, Civil Engineering, Valparaiso University, 1996

Project Experience

Pump House and Site Improvements, Village of Bensenville, *DuPage County, Illinois.* Civil Engineering Lead for Phase II Design project for the Village's Foster Ave. Pump House and North Plant facility/site improvements including the design of demolition, access roads, fencing, signage, site security features, layout of the pump station surface features, and design of siren relocation. A stormwater management analysis was performed.

County Line Road Watermain Replacement, *Village of Bensenville, Illinois.* Civil Engineering Lead for the watermain replacement along County Line Road from Green Street, south to Jefferson Street. Primera prepared the Contract Plans and Special Provisions for the design of the watermain improvements, driveway reconstruction and landscape restoration, and utility relocations.

Big Marsh Bike Park, Chicago Park District, *Chicago, Illinois.* Project Manager for the development of a new 278-acre park (Park 564) project to convert an old industrial site to a nature preserve. Primera's design work was segmented to enable project construction to proceed on a phased basis as funding becomes available.

South Shore H.S. Demolition / Rosenblum Park Redevelopment, Chicago Park District and Public Building Commission, *Chicago, Illinois.* Project Engineer for the demolition and removal of the old high school and a park re-development involving a very unique stormwater management design. Concrete from the demolition was recycled and crushed to CA-1 consistency then used to backfill the basement to save on hauling/disposal costs. A sewer network was installed to distribute inflow throughout the basin, resulting in an infiltration basin to greatly reduce peak discharge/storm water runoff into the overburdened sewer system.

South Shore Cultural Center Parking Lots, Chicago Park District, *Chicago, Illinois.* Project Manager for environmentally sustainable parking lot upgrades featuring permeable pavement and bioswales to reduce stormwater runoff, enhance water quality and allow storm sewer connections to be removed from the site, all but eliminating any runoff contribution to the City sewers.

Jardine Water Plant Assessment, Chicago Department of Water Management, *Chicago, Illinois.* Civil Engineer for a comprehensive facility assessment that included data collection and review, on-site condition assessment and risk analysis and report preparation.

South Water Purification Plant (SWPP) Filter Building Roof Replacement, Chicago Department of Water, *Chicago, Illinois.* Civil engineering consultant for roof replacement project that included re-direction of roof runoff into various BMPs and ultimately Lake Michigan discharge.

Calumet Water Treatment Plant - VFD Building, Metropolitan Water Reclamation District of Greater Chicago, *Calumet, Illinois.* Civil Project Manager overseeing site grading, drainage, utility relocations and connections, and paving plan for design of a new industrial building.



Paul's Credentials

Licensed Professional Engineer, Illinois *062.069744, 2017* | Bachelor of Science, Civil Engineering, University of Illinois at Chicago | IDOT Doc Cert #16-11355

Project Experience

Brookwood Street – Marshall Road LAFO Project, Village of Bensenville, *DuPage County, Illinois.* Design Engineer for the design of pavement resurfacing of ~800 feet of Brookwood Street and Marshall Road from IL-83 to IL-19 using Local Agency Functional Overlay (LAFO) funding. The preparation of the design and contract documents were prepared per IDOT Guidelines for Federally Funded Projects and included Village and IDOT Bureau of Local Roads coordination.

Foster Avenue LAFO Project, Village of Bensenville, *DuPage County, Illinois.* Design Engineer for the design of pavement resurfacing of ~5,300 feet of Foster Avenue from IL-83 to York Road using Local Agency Functional Overlay (LAFO) funding. Project involved a grind and overlay of the pavement, pavement patching, spot curb and gutter repairs, striping and landscape restoration, along with pavement investigation and design.

Maintenance of Traffic Planning – Various Locations, Integrys/Peoples Gas, *Chicago, Illinois.* Design Engineer as part of the Primera team providing Maintenance of Traffic (MOT) design engineering services for the proposed gas lines extension, bridge supports or new connections at various locations, as part of a task order blanket contract.

2016 Roadway and Infrastructure Improvement, Village of Hinsdale, *DuPage County, Illinois.* Design Engineer for the design and construction management for the Village of Hinsdale's 2016 Roadway & Infrastructure Project. Scope of work involved plan development for various street improvements and construction.

2014 Street Improvement Project, Village of Hinsdale, *DuPage County, Illinois.* Design Engineer for the design of ~2000 feet of watermain replacement and ~6000 feet of pavement rehabilitation. Scope included Contract Plans and Special Provisions for the design of watermain improvements and pavement.

Big Marsh Bike Park - Stony Island Ave. Watermain Extension, Chicago Park District, *Chicago, Illinois.* Design Engineer on a new 8" watermain extension project during the design phase of a multi-phased bike park development.

Emergency Water Service Replacement Design, Governor State University, *University Park, Illinois.* Design Engineer for replacement of the main domestic water service line to the University. Designed water service with appropriate details, demo work and restoration.

West Ridge Nature Preserve Development, Chicago Park District, *Chicago, Illinois.* Design Engineer for the development of a new park on a 20.5-acre site that the City of Chicago purchased from Rosehill Cemetery. Performed TR-20 stormwater modeling for the existing & proposed conditions to design a new restrictor structure discharging into the Chicago's combined sewer.



Douglas's Credentials

Professional Engineer, Illinois, *062-068676, 2016* | Bachelor of Science, Civil Engineering, Valparaiso University, *2011*

Project Experience

Pump House and Site Improvements, Village of Bensenville, *DuPage County, Illinois.* Civil Design Engineer for Phase II Design project for the Village's Foster Ave. Pump House and North Plant facility/site improvements. Scope of work included the design of demolition, access roads, fencing, signage, site security features, layout of the pump station surface features, and siren relocation. A stormwater management analysis was performed.

Brookwood Street–Marshall Road LAFO Project, Village of Bensenville, *DuPage County, Illinois.* Design Engineer for the design of pavement resurfacing of approximately 800 ft. of Brookwood Street and Marshall Road from IL-83 to IL-19 using Local Agency Functional Overlay (LAFO) funding. Improvements involve a grind and overlay of the pavement, pavement patching, spot curb and gutter repairs, striping, landscape restoration, and pavement investigation and design.

Foster Avenue LAFO Project, Village of Bensenville, *DuPage County, Illinois.* Design Engineer for the design of pavement resurfacing of approximately 5,300 feet of Foster Avenue from IL-83 to York Road using LAFO funding. Improvements involve a grind and overlay of the pavement, pavement patching, spot curb and gutter repairs, striping and landscape restoration, along with pavement investigation and design.

2016 Roadway and Infrastructure Improvement, Village of Hinsdale, *DuPage County, Illinois.* Project Engineer for the design, construction management and field inspections for the Village of Hinsdale's 2016 Roadway and Infrastructure Project. Scope of work included: plan development for various street improvements; sewer separation; reconstruction of PCC pavement with new HMA pavement; new drainage structures; a street reconstruction involving re-use of existing brick; addition of PCC combination curb & gutter; storm sewers to capture sump pump discharges; 700 ft. of watermain replacement; driveway and sidewalk reconstruction; landscape restoration.

Western Avenue Business District Streetscape, Blue Island, Cook, *Illinois.* Design Engineer for landscape and streetscape improvements along Western Avenue and Olde Western Avenue. Work included removal and replacement of the sidewalk and streetlights from the back of the curb to the existing right of way.

2014 Street Improvement Project, Village of Hinsdale, *DuPage County, Illinois.* Design Engineer for ~2000 feet of watermain replacement and ~6000 feet of pavement rehabilitation. Included Contract Plans and Special Provisions.

IL 22, Phase II Design, Illinois Department of Transportation, *Lake County, Illinois.* Completed Phase II drainage design plans and schedules for project consisting of seven major culvert crossings, storm sewer design, stormwater and floodway detention design, approximately 4.5 acres of wetland impacts and associated mitigation, endangered species and sensitive environmental issues.



Dawn's Credentials
Professional Engineer, *IL 062.053978, 1992*
BS in Civil Engineering, University of Illinois at Chicago, 1989 | Certified Floodplain Manager

Project Experience

On-Call Drainage Engineering, *DuPage County Public Works, DuPage County, Illinois.* Primera provided Phase II engineering services for a streambank stabilization project along an existing eroded ditch adjacent to homes. Scope of work includes completing detailed hydrologic modeling of the upstream watershed utilizing a TR-20 based model to simulate runoff and storage in the watershed. Resulting peak flows and velocities and a stream survey were used to create a HEC-RAS base model to determine existing water surface elevations. 4 proposed concept drawings were then modeled ranging from streambank stabilization to enclosing of the channel in storm sewer.

Addison Creek Reservoir Flood Control Project, MWRD, *City of Bellwood, Cook County, Illinois.* Phase II engineering services for 1130 L.F. of streambank stabilization along Addison Creek as part of a larger flood control project.

Robinson Road/King Street Storm Sewer Evaluation, *Village of Franklin Park, Cook County, Illinois.* Assessment of the existing infrastructure conditions, including a capacity analysis of the aging combined storm sewer system. Separation of the system and upgrade the storm sewers to provide capacity for 10 and 50-year storm events were recommended.

West Ridge Nature Preserve Development, Chicago Park District, *Chicago, Illinois.* Creation of new impervious area for the development of a new park required expanding and modifying an existing pond to provide additional stormwater storage. HydroCAD models were created to determine the required storage volume and high-water elevation in the pond, and to assure the release rates were not increasing.

TSS 69 Floodwall, ComEd, *City of North Chicago, Lake County, Illinois.* Provided design services for the construction of a proposed floodwall around the TSS 69 substation located within the floodway of the Skokie River. This project consists of complex hydraulic HEC-RAS modeling of the floodwall and associated pumps, gates, and storm sewer to provide a 100-year level of flood protection.

Illinois Route 22, Phase II Design, Illinois Department of Transportation, *Lake County, Illinois.* This project consisted of designing seven major culvert crossings, storm sewer, ditches and floodway compensatory storage for four miles of widening along IL Route 22.

Illinois Route 64 over Ferson and Mill Creeks, Illinois Department of Transportation, *Kane County, Illinois.* Completed Hydrologic and Hydraulic modeling for two proposed culvert replacement projects.

Illinois Route 102 over Ryans Creek, Illinois Department of Transportation, *Will County, Illinois.* Completed hydrologic and hydraulic modeling for the removal and replacement of a single span precast channel beam bridge along IL Route 102 over Ryans Creek.



John's Credentials

Professional Engineer, Illinois, *062.055282, 2002*
Master of Science in Environmental Engineering, University of Illinois at Urbana-Champaign, 1993 | Bachelor of Science in Chemistry, University of Illinois at Urbana-Champaign, 1991 | LEED Accredited Professional, Building Design + Construction | Certified Floodplain Manager

Project Experience

Pump House and Site Improvements, Village of Bensenville, *DuPage County, Illinois.* Civil Engineer for Phase II Design project for the Village's Foster Ave. Pump House and North Plant facility/site improvements. Primera oversaw the design of demolition, access roads, fencing, signage, site security features, layout of the pump station surface features, and design of siren relocation. A stormwater management analysis was performed.

Lake County Sustainability Ordinance, Lake County, *Lake County, Illinois.* Assistant Project Manager providing technical support and research to determine best sustainability practices relevant to the County in terms of technologies and applicable building and development codes.

143rd Street and Bell Road Water and Sewer Main Relocation, Illinois American Water Company (ILAWC), *Homer Glen, Illinois.* Project Manager for the design to relocate watermain, sanitary sewer and sanitary forcemain. Assisted with permitting through IEPA, Will County Division of Transportation, ILAWC, other private utility companies, and coordination with the Village.

Kensington Road Watermain Improvements, Illinois American Water Company, *Mt. Prospect, Illinois.* Project Manager for the design to relocate and extend approximately 3,700 linear feet of watermain. Provided engineering design of the new watermain, permitting through IEPA, Cook County, ILAWC and coordination with the Village.

Stickney Biosolids Facility, Metropolitan Water Reclamation District, *Stickney, Illinois.* Project manager for the civil engineering site design of site utilities, lighting, roadways, parking, and site topography and hydraulic design of a pump station.

Stormwater Master Planning, Metropolitan Water Reclamation District of Greater Chicago, *Chicago, Illinois.* Civil Engineer as part of the Stormwater Master Planning for Cook County. Researched many different sources including review the soil erosion and sedimentation control plan for the O'Hare Modernization Program, FEMA, Illinois State Water survey data etc. Developed a list of different erosion and flood control techniques to be implemented into best managed erosion and flood control applications for a variety of potential projects. Provided specific research on determining recreation cost on a dollar/person/day basis for a typical Chicago area park. Prepared a list of erosion control and flood control techniques segregated into different categories formulating the method of how each item is included to control large surface runoff and sedimentation.

Hydraulic Studies, Chicago Department of Water Management, *Chicago, Illinois.* Managed numerous projects involving the determination of periodic flooding episodes in various city neighborhoods. Included field investigations and hydraulic modeling to determine alternative storm water management practices and potential relief sewer design alternatives.



Michael's Credentials
Professional Engineer, Illinois, *062.044494, 1988*
Bachelor of Science, Civil Engineering, University of Illinois at Champaign-Urbana, 1983 | Certified Public Infrastructure Inspector, APWA, 2014

Project Experience

Various Construction Projects, Illinois Department of Transportation, *District 1/Region 1, Illinois.* Project Manager Project Manager for construction engineering services for various roadway system improvements, located within IDOT Region 1/District 1, including Cook, DuPage, Will and Kane Counties. Scope of work consists of HMA surface removal, pavement patching, curb and gutter replacement, ADA sidewalk modifications, detector loop, leveling binder, HMA surface, thermoplastic pavement markings, PCC patching, box culvert repairs, storm sewer repairs, and bridge deck replacements. Phase III consulting engineering involves contractor oversight, project documentation, progress meetings, measurements, recommendation of pay to contractors, public meetings and other duties consistent with the successful closeout of the contract.

2017 Pavement Maintenance Program – North, DuPage County Division of Transportation, *DuPage County, Illinois.* Project Manager for Phase III engineering services to administer the DuPage County Division of Transportation's 2017 Pavement Maintenance Program for the North Region of the County's Highway System. Typical work items for each assigned project within the program included milling, patching, crack sealing, resurfacing, curb and gutter repair, ADA sidewalk replacement, and thermoplastic pavement markings. Primera's construction management tasks included specification enforcement, measurement of quantities, and contract administration/coordination.

2016 Roadway and Infrastructure Improvement Project, Village of Hinsdale, *DuPage County, Illinois.* Construction Project Manager for the design, construction management and construction inspection services for the Village of Hinsdale's 2016 Roadway & Infrastructure Project to have plans developed for various street improvements. Primera prepared the Contract Plans and Special Provisions for the design of the watermain improvements and pavement rehabilitation, driveway and sidewalk reconstruction, and landscape restoration.

CH 40 (Yackley Avenue) Bridge over the BNSF Railroad, DuPage County Division of Transportation, *Lisle, Illinois.* Project Manager for construction engineering services for the bridge improvements over the BNSF Railroad. Work consists of bridge deck overlay, bridge joint repair, approach slab replacement, and bearing replacement. Work consisted of contractor oversight, project documentation, progress meetings, measurements, recommendation of pay to contractors, public meetings, railroad coordination, and ensuring project success.

US 12 (Rand Road) Lake Cook Road to IL 58 (Golf Road), Illinois Department of Transportation, *Cook County, Illinois.* Project Manager for construction engineering services for roadway improvements including HMA surface removal, pavement patching, curb and gutter replacement, ADA sidewalk modifications, detector loop, leveling binder, HMA surface and thermoplastic pavement markings.



John's Credentials
Professional Engineer, Illinois, 062-068774, *2016*
Bachelor of Science in Civil Engineering, Marquette University, 2010 | IDOT Doc Cert, 15-0551, 2015

Project Experience

CH 40 (Yackley Avenue) Bridge over the BNSF Railroad, DuPage County Division of Transportation, *Lisle, Illinois.* Project Manager for construction engineering services for the bridge improvements to Yackley Avenue over the BNSF Railroad. Work consists of bridge deck overlay, bridge joint repair, approach slab replacement, and bearing replacement. The Phase III consulting engineering consists of contractor oversight, project documentation, progress meetings, measurements, recommendation of pay to contractors, public meetings, railroad coordination, and other duties consistent with the successful closeout of the contract.

Various Construction Projects, Illinois Department of Transportation, *District 1/Region 1, Illinois.* Assistant Project Manager for construction engineering services for various roadway system improvements, located within IDOT Region 1/District 1, including Cook, DuPage, Will and Kane Counties. Scope of work consists of HMA surface removal, pavement patching, curb and gutter replacement, ADA sidewalk modifications, detector loop, leveling binder, HMA surface, thermoplastic pavement markings, PCC patching, box culvert repairs, storm sewer repairs, and bridge deck replacements. Phase III consulting engineering involves contractor oversight, project documentation, progress meetings, measurements, recommendation of pay to contractors, public meetings and other duties consistent with the successful closeout of the contract.

2017 Pavement Maintenance Program – North, DuPage County Division of Transportation, *DuPage County, Illinois.* Assistant Project Manager for Phase III engineering services to administer the DuPage County Division of Transportation's 2017 Pavement Maintenance Program for the North Region of the County's Highway System. Typical work items for each assigned project within the program included milling, patching, crack sealing, resurfacing, curb and gutter repair, ADA sidewalk replacement, and thermoplastic pavement markings. Primera's construction management tasks included specification enforcement, measurement of quantities, and contract administration/coordination.

INDOT LaPorte District Construction Inspection, Indiana Department of Transportation, *Various Locations, LaPorte District, Indiana.* Senior Project Manager for Primera team providing Construction Inspection services throughout the entire LaPorte District of INDOT, covering 13 counties in northwest Indiana, over the course of at least 2 years. The scope of the project includes performing all inspection duties, functions, and tasks as necessary per INDOT Standard Specifications. Primera is conducting on-site inspections of the work in progress as a basis for determining that the work is proceeding in accordance with the contract documents. Preparation of progress estimates will also be performed as required for periodic partial payments to the Contractor. Primera will be responsible for attendance at meetings and conferences as deemed necessary by INDOT, the documentation of pay quantities and estimates, and the maintenance of appropriate records related to the construction of the work.

Andrew's Credentials
IDOT Documentation of Contract Quantities, *#16-11415*
University of Illinois at Urbana-Champaign, Bachelor of Science in Civil Engineering, *2015*

Project Experience

Various Construction Projects, Illinois Department of Transportation, *District 1/Region 1, Illinois.* Construction Inspector for construction engineering services for various roadway system improvements, located within IDOT Region 1/District 1, including Cook, DuPage, Will and Kane Counties.

Scope of work consists of HMA surface removal, pavement patching, curb and gutter replacement, ADA sidewalk modifications, detector loop, leveling binder, HMA surface, thermoplastic pavement markings, PCC patching, box culvert repairs, storm sewer repairs, and bridge deck replacements.

Phase III consulting engineering involves contractor oversight, project documentation, progress meetings, measurements, recommendation of pay to contractors, public meetings and other duties consistent with the successful closeout of the contract.

FAP 245 US Route 20 at IL Route 59 Interchange Improvements, Illinois Department of Transportation, *Cook County, Illinois.* Civil Engineer for Phase II Design project. Responsibilities included guardrail, landscaping, erosion control, and Summary of Quantities plan sets as well as coordinating permitting for SWPPP.

I-90 Roadway, Retaining Wall and Bridge Reconstruction and Widening West of Higgins Road to Roselle Road, Illinois State Toll Highway Authority, *Cook County, Illinois.* Construction Engineer for Phase III engineering services for the improvement on Interstate 90 from west of Higgins Road to Roselle Road in Hoffman Estates. Scope of work includes Reconstruction and widening of the mainline lanes, reconstruction of westbound I-90 land bridge, temporary and permanent erosion control devices, guardrail, new drainage system, maintenance of traffic, retaining wall, permanent underpass lighting and temporary lighting.

Tasks include construction management including specification enforcement, measurement of quantities, contract administration, and contract coordination.

Construction Inspection Intern, *HR Green,* *May 2014 – August 2014.* Responsibilities included supervising construction activities while tracking crews and equipment usage. Completed documentation and calculations for Illinois Tollway A reports. Assisted in final project closeout and document verification. Created project reference guide for pay item specifications, certifications, and special provisions.

Served as an engineering intern on:

- **I–13–5683 – IL Tollway Higgins Road Bridge over I-90 Reconstruction**
- **I–13–5689 – IL Tollway Barrington Road Bridge over I-90 Reconstruction**

Additional Skills & Training

- IDOT Aggregate Technician
- IDOT S-33 Soils Field Testing and Inspection
- IDOT PCC Level I
- IDOT Erosion & Sediment Control Workshop
- CN Field Safety Training
- IL Tollway Quality Concrete Workshop
- IL Tollway Material Management of Jobsites
- IL Tollway e-Builder Training
- CADD (MicroStation, Autodesk Inventor)
- Computing (Matlab)
- Scheduling (Primavera)
- Structural Analysis (SAP, Ftool)
- Energy Analysis (eQuest)



Mohammed's Credentials
Bachelor of Science in Civil Engineering, Bangalore University, 1989 | IDOT Documentation of Contract Quantities, #15-0725, 2015, 2019

Project Experience

Various Construction Projects, Illinois Department of Transportation, *District 1/Region 1, Illinois.* Resident Inspector for construction engineering services for various roadway system improvements, located within IDOT Region 1/District 1, including Cook, DuPage, Will and Kane Counties. Scope of work consists of HMA surface removal, pavement patching, curb and gutter replacement, ADA sidewalk modifications, detector loop, leveling binder, HMA surface, thermoplastic pavement markings, PCC patching, box culvert repairs, storm sewer repairs, and bridge deck replacements. Phase III consulting engineering involves contractor oversight, project documentation, progress meetings, measurements, recommendation of pay to contractors, public meetings and other duties consistent with the successful closeout of the contract.

2016 Roadway and Infrastructure Improvement Project, Village of Hinsdale, *DuPage County, Illinois.* Construction Inspector for the design, construction management and construction inspection services for the Village of Hinsdale's 2016 Roadway & Infrastructure Project to have plans developed for various street improvements. Primera prepared the Contract Plans and Special Provisions for the design of the watermain improvements and pavement rehabilitation, driveway and sidewalk reconstruction, and landscape restoration.

Fieldcrest Farms Roadway Rehabilitation, Village of Algonquin, *Illinois.* Resident Inspector for construction engineering services for the rehabilitation of various streets in the Fieldcrest Farms subdivision in the Village of Algonquin. Provided construction inspection and documentation of the planned construction which includes curb patching, sidewalk repair, driveway approach replacement, removal of the driving surface, storm sewer point repairs, patching of the base course where determined necessary, and replacement of the asphalt driving surface.

Various Phase III Projects, DuPage County Division of Transportation, *DuPage County, Illinois.* Resident Inspector for providing Construction Engineering Services upon request for various Phase III projects. Primera will provide construction inspection and documentation for projects put forth by the DuPage County Division of Transportation which are designed to enhance safety on County roadways.

CH 10 (Will-Center Road) over Rock Creek, Will County Department of Highways Peotone, *Illinois.* Construction Inspector for providing Phase III engineering services for the removal of an existing single span, precast, pre-stressed, concrete deck beam structure and replacing it with a triple 11 foot by 9-foot cast-in-place concrete box culvert. The project also involves 100 feet of existing roadway removal and replacement with aggregate subgrade and hot-mix asphalt; 600 feet of roadway widening and resurfacing; guardrail removal and replacement; earth excavation and embankment; and landscaping. The project is being constructed under road closed conditions with traffic flow managed by signed detour routes.

Statement of Qualifications Form

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [✓] Design Engineering
- [ ] Wastewater Improvements
- [✓] Stormwater Engineering
- [✓] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: Erin M Inman

Print Name .....: Erin M. Inman

Position/Title.....: CEO & President

Company Name ...: Primera Engineers, Ltd.

Address line 1 .....: 100 Wacker Drive, Suite 700

Address line 2 .....: Chicago, Illinois 60606

Telephone.....: 312.606.0910



Chicago + Lisle, IL

Munster, IN

King of Prussia, PA

Washington, DC

Buildings

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Utilities

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PREPARED BY

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40 years of collection system solutions

200 West Front Street
Wheaton, Illinois 60187
(630) 682-4700
www.rjn.com

A STATEMENT OF QUALIFICATIONS FOR

Establishment of Short-Lists for Civil Engineering Services

October 19, 2017

PREPARED FOR

BENSENVILLE
GATEWAY TO OPPORTUNITY









rjngroup
40 years of collection system solutions

www.rjn.com

October 19, 2017

Mr. Joseph M. Caracci, P.E.
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, Illinois 60106

Subject: A Statement of Qualifications for Establishment of Short-Lists for Civil Engineering

Dear Mr. Caracci:

RJN Group, Inc. (RJN) is pleased to have the opportunity to present our Statement of Qualifications (SOQ) to the Village of Bensenville (Village). As a specialty engineering and field inspection services firm uniquely focused on sewer collection systems and underground infrastructure, we are excited to submit this SOQ for selection to the **Wastewater Related Improvements** short-list for the Village.

Firm Experience: Since 1975, RJN has focused our practice on becoming "the choice for collection system solutions" for the nation. Founded and headquartered in nearby Wheaton, Illinois, we have worked diligently to improve wastewater collection systems throughout the Chicago metro area. RJN is ranked by the Engineering News Record as a Top 200 Environmental firm as well as a Top 500 Design Firm. In addition, we are annually listed on Trenchless Technology's list of Top 50 Trenchless Design Firms.

Full-Service Collection Systems Specialists: RJN is a vertically-integrated consulting firm, meaning that we are able to self-perform all phases of a project – studies, field inspections, modeling, design, rehabilitation, and construction observation – for any wastewater collection or underground infrastructure project. As you will learn in our SOQ, our projects range from small inflow/infiltration studies to multi-million dollar design-build projects.

Technology Focused: As specialists, we are able to invest in significant research and development and testing of new technologies and methodologies. RJN uses GIS and cloud-based storage as the backbone of our data collection efforts. This allows our clients to view inspection and monitoring data more quickly so that decisions are not delayed to the end of a project. In addition, RJN is using cutting edge software for risk based asset management planning and employing new technologies such for manhole scanning, acoustic inspections, and internal and external force main inspections.

Our wealth of experience and knowledge has benefited our clients and our communities making us one of the best service providers in the industry. If you have any questions about this SOQ, please do not hesitate to reach out to us or our references provided within.

Sincerely,

Michael Young, P.E.
Project Director/Vice President

Zachary J. Matyja, P.E.
Client Manager

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rjngroup
40 years of collection system solutions

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SECTION 1

CONSULTANT EVALUATION FORM

FORM OF CONTRACT

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

INSURANCE

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 9/25/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER HUB International Midwest Limited 55 East Jackson Boulevard Chicago IL 60604	**CONTACT NAME:** CSU Chicago **PHONE (A/C, No, Ext):** 312-922-5000 **FAX (A/C, No):** **E-MAIL ADDRESS:** csuchicago@hubinternational.com
INSURED RJN Group, Inc. 200 W. Front Street Wheaton, IL 60187	RJNGROUP

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Hartford Casualty Insurance Company	29424
INSURER B : Hartford Fire Insurance Company	19682
INSURER C : Twin City Fire Insurance Company	29459
INSURER D : Continental Casualty Company	20443
INSURER E :	
INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** 1743287039 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X **COMMERCIAL GENERAL LIABILITY** CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC OTHER:			83UUNAJ1317	8/1/2017	8/1/2018	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG $	$1,000,000 $300,000 $10,000 $1,000,000 $2,000,000 $2,000,000
B	**AUTOMOBILE LIABILITY** X ANY AUTO ALL OWNED AUTOS / SCHEDULED AUTOS X HIRED AUTOS / X NON-OWNED AUTOS			83UENAJ1418	8/1/2017	8/1/2018	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) $	$1,000,000 $ $ $ $
D	X **UMBRELLA LIAB** OCCUR **EXCESS LIAB** CLAIMS-MADE DED X RETENTION $ 10,000			6012275414	8/1/2017	8/1/2018	EACH OCCURRENCE AGGREGATE $	$5,000,000 $5,000,000
C	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N: N **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		83WEPL1585	8/1/2017	8/1/2018	X PER STATUTE / OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$500,000 $500,000 $500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

Evidence of Insurance

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Michael J. Ahlert

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ACORD

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 09/25/2017

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IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
Willis of Illinois, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 372305191 USA	PHONE (A/C, No, Ext): 1-877-945-7378	FAX (A/C, No): 1-888-467-2378
	E-MAIL ADDRESS: certificates@willis.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Allied World Surplus Lines Insurance Compa	24319
INSURED RJN Group, Inc. 200 West Front Street Wheaton, IL 60187	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES CERTIFICATE NUMBER: W3601534 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	CLAIMS-MADE OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	POLICY PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$
	OTHER:							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$
	DED RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						PER STATUTE OTH-ER	
	ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N / A (Mandatory in NH)						E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	Professional Liability			03091208	08/01/2017	08/01/2018	Per Claim/Agg	$3,000,000
	Pollution Liability						Per Claim/Agg	$3,000,000
							Retro Active Date:	08/01/1994

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER	CANCELLATION
Evidence of Insurance	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE

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SR ID: 15112591 BATCH: 455846

LITIGATION

RJN has no current or prior litigation.

SECTION 2

STATEMENT OF QUALIFICATIONS

IDOT PREQUALIFICATION

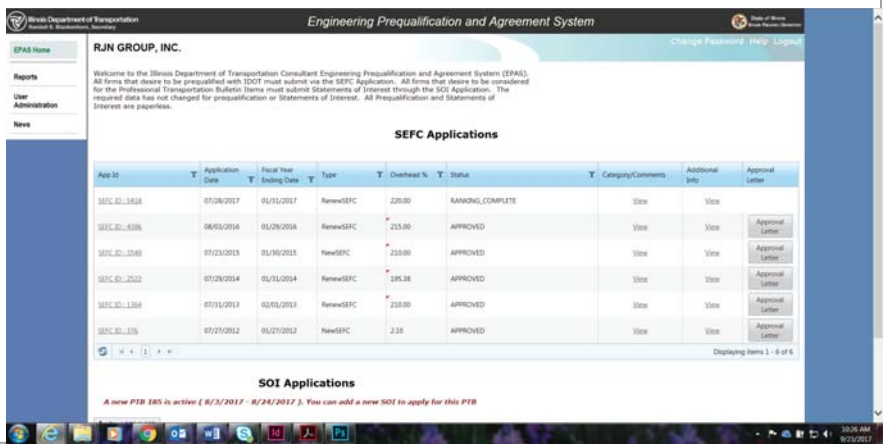
We have attached our 2016 IDOT Prequalification information as the 2017 PreQual is still under review by IDOT (see response from IDOT below)

From: Rambo, Nancy [mailto:Nancy.Rambo@illinois.gov] On Behalf Of DOT.OQCR.Audits
Sent: Monday, September 18, 2017 10:07 AM
To: Karen Catena <Kcatena@rjnmail.com>; DOT.OQCR.Audits <DOT.OQCR.Audits@illinois.gov>
Cc: Moldenhauer, Megan N. <Megan.Moldenhauer@Illinois.gov>
Subject: RE: RJN Group, Inc. IDOT Approval

Unfortunately you are currently 257th on our list and we are reviewing all submittals in the order they were received. We have many firms in front of you that need rates for current projects with IDOT so I am unable to move you up on the list at this time.

Thank you,

Nancy K. Rambo
Acting Section Chief
External Audit Unit Supervisor
Financial Review & Investigations
Bureau of Investigations & Compliance
Phone: (217) 785-4593
Blackberry: (217) 299-5546
e-mail: nancy.rambo@illinois.gov



SEFC PREQUALIFICATIONS FOR RJN GROUP, INC.

CATEGORY	STATUS
Special Studies - Location Drainage	X
Highways - Roads and Streets	X
Special Services - Sanitary	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST



Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

September 23, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Michael Young
RJN GROUP, INC.
200 West Front Street
Wheaton, IL 60187

Dear Michael Young,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Jan 29, 2016. Your firm's total annual transportation fee capacity will be $8,800,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 215.00% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until January 29, 2017. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

CATEGORIES OF WORK

RJN Group, Inc. (RJN) is pleased to submit our statement of qualifications for Wastewater Related Improvements. As a specialty engineering and field inspection services firm focused on all aspects of sewer collection systems and underground infrastructure, we believe we are uniquely qualified for many potential projects with the Village in this category and appreciate your consideration.

FIRM BACKGROUND

RJN Group, Inc., established in 1975, is a professional engineering and specialty field services firm focused on providing cost-effective and innovative underground infrastructure engineering solutions. Our engineering services are driven by client goals, support client interests, and deliver economical and sustainable results, ultimately improving the integrity, service life, and performance of collection and conveyance systems.

INFRASTRUCTURE SPECIALISTS

- 41 years of collection system solutions
- 1,900 projects successfully completed
- 275 million LF of sanitary sewer condition inspections and capacity assessments
- 8.5 million LF of pipeline rehabilitation and design
- 290 projects involving trenchless construction
- Construction management for $340 million in improvements

RJN is an **employee-owned** firm; our staff—168 nationwide—values client relationships and is committed to conducting every project task professionally, efficiently, accurately, and safely. Our reputation has been established through creative solutions and deliverables that exceed client goals and expectations. RJN engineers proactively pursue, examine, and test cutting-edge technologies and innovative methodologies to enhance our ability to deliver project results **more** efficiently while maintaining high standards for quality.

More than 90 percent of our clients are municipalities and public utilities. RJN engineers and technicians understand the deadlines, complexities, and sensitive nature of accurate data collection, insightful analysis and planning, and cost-sensitive designs required when working with municipal systems. Our client-driven approach has resulted in a high percentage of repeat business.

INDUSTRY RANKINGS

- *Engineering News Record* "Top 200 Environmental Firm"
- *Engineering News Record* "Top 500 Design Firm"
- Ranked 19th in *Trenchless Technology*'s list of "Top 50 Trenchless Design Firms"



SERVICE OVERVIEW

RJN core engineering practices center on municipal collection, conveyance, and distribution systems. As a vertically integrated firm, our engineering expertise applies to all project phases from the initial vision through design finishing with construction phase engineering, including:

- Force main inspection programs
- Flow and rainfall monitoring
- Condition field investigation and assessment
- Capacity analysis and hydraulic modeling
- Infiltration and Inflow (I/I) analysis/reduction
- Pipeline rehabilitation and replacement design
- Lift/pumping station assessments and design
- GIS mapping and data integration
- Regulatory and funding assistance
- Public information and communication programs
- Asset management and planning solutions
- Construction inspection and management

ASSESSMENT AND PLANNING

RJN, with a portfolio of 1,900 projects encompassing 275,000,000 LF of pipeline, is nationally recognized as a leading provider of successful wastewater, water, and stormwater condition inspection, evaluation, and assessment programs.

RJN Standard Project Features

◈	GPS-Equipped Digital Data Collection
◈	Customizable Data Management and Reporting Tools
◈	Sophisticated Analytics Tools Assess Hydraulics and Risks
◈	Stringent QA/QC Processes
◈	Secure, Web-Based Client Portal
◈	Integrated GIS Deliverables

ASSET INVENTORY

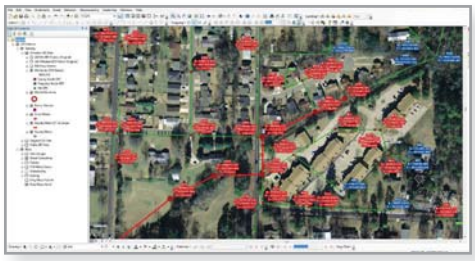
Asset inventories provide the foundation for CMOM programs, condition assessment programs, hydraulic modeling, and municipal operations & maintenance programs.



Understanding that GIS is an industry accepted platform used to document infrastructure assets, RJN captures GPS spatial coordinates and attribute data for system assets during all field inspection and condition assessment efforts. Collected asset attribute data - such as structure number, size, material, depths - is recorded as is information pertaining to structure defects, NASSCO ratings, and photo documentation. Asset inventory data can also be derived from client-provided information including as-builts and historical data. All asset data captured or received is quality checked and integrated with GIS platforms for reporting. **Acquired attribute data is always collected in a format that is compatible with client databases and systems.**

GIS MAPPING AND INTEGRATION

GIS provides the foundation for hydraulic modeling, O&M planning, and asset management solutions. RJN GIS professionals have developed GIS solutions and platforms for sanitary sewer systems, combined sewer overflow programs, flood control, streets, storm sewers, and electrical distribution systems. We offer complete turnkey GIS services including database development, training, and support services, as well as expertise with data integration for a variety of third-party applications including CMMS and modeling programs.



RJN uses GIS to prepare color-coded (thematic) maps that portray, summarize, and group findings and recommended actions. GIS maps/ layers are a core project deliverable for every RJN project.

PERFORMANCE EVALUATIONS

System performance assessments evaluate how collection and conveyance systems respond under normal and peak flow conditions, providing insight into inflow/infiltration issues, capacity constraints, and general problem areas.

FLOW MONITORING

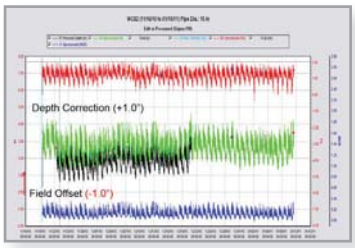
Flow meters are strategically placed throughout a system, continuously recording depth and velocity measurements under normal usage and during wet-weather events.



As a flow metering specialist, RJN knows that metering program needs vary based on the objective of the program. We have installed metering networks ranging from one meter to 300 meters, capturing data for one week or as permanent, continuous setups.

- **Long-term or permanent flow monitoring** produces the data needed to understand flow trends or capture data to support billing and monitoring programs
- **Temporary metering** programs (one to six months) provide a snapshot of system behavior
- **Micro-metering** supports system evaluation studies by focusing on neighborhood-sized areas to pinpoint capacity issues (one- to three-weeks)

RJN owns and maintains an inventory of more than 450 flow meters from every major meter manufacturer (ADS, Hach, ISCO, FloWav). As a "fit-for-purpose" consultant, RJN selects equipment based on unique site hydraulics to ensure optimal data collection conditions.



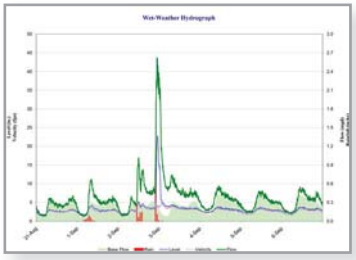
FLOW ISOLATIONS

Flow isolations measure extraneous water, such as rain-derived inflow/infiltration (RDII), entering collection systems when base usage flows are low. Basins are targeted for isolation inspections where flow monitoring demonstrates excessive infiltration. Inspections use strategically placed weirs and calibrated handheld measurement devices to capture manual flow measurements. Where there are significant variances in the upstream and downstream measurements or clear flows are present, groundwater is seeping into the system. Measured flows are used to quantify infiltration impacts.



HYDRAULIC FLOW ANALYSIS

Flow analysis provides a clear picture of the performance of collection and conveyance systems, developing diurnal patterns, establishing peak wet-weather flow levels, and identifying rainfall inflow/infiltration (RDII) levels.



RJN has developed a suite of tools that take flow analysis beyond just peaking factors. Complex RDII analyses identify downstream control, surcharging, reverse flow, and overflow events. Regression analysis can project flows to standardized recurrence intervals to assess a variety of storm strengths without actually monitoring these storms. Flow analysis provides a clear picture of where bottlenecks and capacity constraints exist, providing a solid foundation for condition studies, overflow mitigation, modeling, and master planning.

CONDITION ASSESSMENTS

Condition inspections and assessments provide a snapshot of the current state of collection, conveyance, and distribution system assets. RJN offers a full array of condition inspection services:

- Manhole inspections
- Smoke testing
- Dyed water testing
- Internal video pipe inspection reviews
- Private property inspections

All RJN captured condition data can be easily integrated with GIS platforms. GPS spatial coordinates and asset attributes are captured with a GPS-enabled data collector. Structural deficiencies are documented with digital photos, videos, and sketches.

MANHOLE INSPECTIONS

Manhole inspections assess the condition of manhole structures and pipes entering and exiting the manhole. RJN inspections adhere to NASSCO MACP inspection criteria, noting materials, physical measurements, flow levels, and general conditions, i.e., deterioration, cracking, and other structural imperfections that may allow ground water (inflow) into the system. All pipes entering and exiting the manholes are visually inspected for sources of extraneous flow or flow restriction.

Depending on the project goals and the level of data required, RJN can perform surface, zoom or panorama camera, and full descent manhole inspection. RJN inspectors are required to maintain current OSHA compliant safety certifications, including confined space entry and work zone traffic control.

SMOKE TESTING

Smoke testing cost-effectively identifies structural defects in the pipelines and connections. Non-toxic smoke is forced through the system, using dual, high intensity blowers, escaping through cracks and deteriorating pipes and connections where rain and ground water can enter the system. Smoke testing can also identify cross connections to storm sewers and private connections—catch basins, cleanouts, downspouts, building laterals, yard drains, and area drains—allowing excess flow into the system.



DYED WATER TESTING

Dyed water testing is used to evaluate system connectivity and assess the magnitude of flows entering through repairable system defects. Non-toxic florescent dye is inserted into the system at strategic sites, typically identified through smoke testing. The flow is traced through the system and flow levels are measured to quantify potential I/I rates. Dye flooding tracks flows by flooding storm sewer structures, drainages ditches, or other potential connections to the public sewers. Dye tracing is used to evaluate the level of flow entering the collection system through private sources, i.e., connected downspouts, driveway or area drains, sump pumps, etc. Dyed water testing is typically conducted in conjunction with TV inspections.



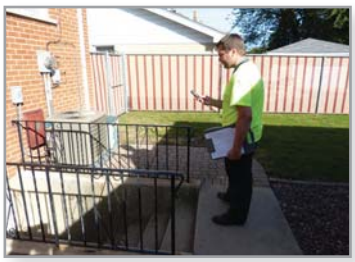
INTERNAL VIDEO PIPE INSPECTIONS

Video pipe inspections identify and verify the magnitude and condition of structural pipe defects in mainlines, force mains, and service laterals. RJN works with NASSCO-certified TV contractors to conduct CCTV and multi-sensor combo inspections (HDCCTV, Sonar, Laser, LiDAR). RJN engineers review all captured video assigning industry-accepted NASSCO PACP categorizations to each structural deficiency. Video pipe inspections performed in conjunction with dye testing will efficiently pinpoint the location of sources and can measure the magnitude of flow entering the system.

PRIVATE PROPERTY INSPECTIONS

Private property inspections identify or confirm private connections to the system.

- **Exterior inspections** locate potential sources of inflow such as roof leader downspouts, patio drains, driveway drains, area drains, window well drains, and foundation drains
- **Internal inspections** identify the exit location of the building sewer, the location and discharge outlet of any sump pumps, combination pumps and ejector pits, and the location of diverter valves or floor drains in the building's lowest levels



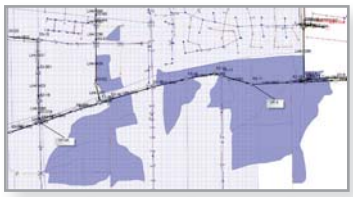
EVALUATION AND PLANNING

RJN engineers, using collected condition and assessment data, GIS maps, hydraulic modeling, and risk-based analytics tools, develop short- and long-term recommendations to improve municipal infrastructure, and support capital planning and master planning. Engineering analysis conducted to develop cost-effective improvement strategies involves:

- Evaluating condition inspection results
- Assessing rehabilitation alternatives
- Assessing the costs associated with the recommended repair method using current local contractor bid schedules

HYDRAULIC MODELING

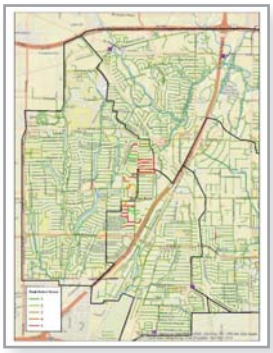
Hydraulic models simulate the ability of collection, conveyance, and distribution systems to convey base flows and peak flows, assess system current capacity, project future capacity needs, validate improvement alternatives, and review system operations. Whether integrating new connections, rehabilitating aging systems, or developing future CIP programs, hydraulic modeling eliminates design bottlenecks and ongoing system operation costs by understanding system responses and vetting alternatives. RJN engineers routinely use industry-accepted modeling suites to produce sound, cost-effective recommendations to extend or improve system services.



RISK ASSESSMENT

Risk-based analysis uses mathematical models and "decision trees" analytics to develop consequence and likelihood of failure statistics based on asset condition and attribute data. This analysis provides a "report card" for system assets, effectively driving improvement planning to:

- Prioritize infrastructure maintenance holistically by asset
- Create realistic recommendation and "watch list" time lines
- Develop budgeting needs based on recommendation time lines



Leveraging ArcGIS databases, condition data and NASSCO coding, and hydraulic modeling data, RJN engineers use the features of InfoMaster to apply **advanced modeling and sophisticated predictive analytics.** Robust analytics ensure development of performance-driven capital planning alternatives that focus capital budget dollars to address the most critical maintenance issues.

MASTER PLANNING

Master Planning provides a long-term systematic and staged program to improve and upgrade infrastructure assets, offering solutions for operational issues related to structural and capacity deficiencies, budgets for capital planning, and regulatory compliance.

RJN engineers have assisted a number of clients with master planning and developing comprehensive short- and long-term improvement programs that cost-effectively ensure continuing service levels.

Flow monitoring and usage data coupled with hydraulic modeling provide the foundation for the master planning process. Flow monitoring offers an accurate picture of collection and conveyance system performance, water usage data provides key indicators, and modeling simulates system responses to ensure that service demands can be met without interruptions or issues including backups or overflows. Current and



future capacity needs are typically extrapolated from population data, water usage rates, and zoning information. Master planning can address short- and long-term issues and will be driven by client goals and budgets.

DESIGN

The RJN design portfolio includes more than 8.5 million LF of infrastructure pipeline, aboveground and underground storage, and lift and pump stations.

PIPELINES AND STORAGE



RJN engineers have developed designs for municipalities, utilities, and private developers to improve sewers, water lines, and storm sewers ranging from 4 to 72 inches.

Plans, specifications, and contract documents have been prepared to:

- Replace or rehabilitate aging, undersized, or deteriorated pipes and manholes
- Increase system capacity through up sizing, relief, or in-line/off-line storage
- Relocate lines in advance of other proposed improvements (i.e., streetscapes, roads, new facilities)
- Extend services to new areas
- Replace culverts
- Implement erosion and sediment control measures for streams and creeks or Low Impact Development (LID) solutions

As an industry leader, RJN can ensure that only appropriate and cost-effective construction alternatives are recommended.

TRENCHLESS CONSTRUCTION SOLUTIONS

RJN, recognized as a Top 19 trenchless designer by *Trenchless Technology*, offers expertise with innovative trenchless technologies that can effectively overcome traditional obstacles associated with pipeline rehabilitation or installation projects. Trenchless construction methods are not cost-effective, but also offer intangible benefits, including:



- Preserving natural terrain, landscaping, and foliage
- Averting exorbitant restoration costs
- Preserving historical areas
- Minimizing disruptions to public facilities, private properties, and improvements
- Limiting impacts to wetlands and other sensitive environmental areas
- Avoiding other utilities and structures
- Increasing system capacity to avoid expensive relief or re-routing strategies

RJN engineers always conduct site-specific engineering evaluations during preliminary design to ensure that the best techniques and materials are recommended for each unique construction site.

LIFT/PUMP STATIONS

RJN offers a full range of services to evaluate and improve existing lift station facilities or design new stations. Analysis of structural conditions and system flow capacity needs provide the basis for recommending repair, replacement, expansion, or abandonment. Services include:

- Pump capacity evaluations and calibrations
- Condition/ mechanical assessments
- Basis of design reporting



- Design (plans, specifications, contract documents)
- Start-up assistance
- Construction management
- Operations and maintenance training

RJN engineers have evaluated and designed lift/pump station facilities varying in size and capacity, from 10,000 gpd to 40 mgd. RJN solutions and recommendations are customized to conserve resources and maintain costs. In a recent project, refurbished pumps from a lift station that was being closed were used.

CONSTRUCTION PHASE ENGINEERING

RJN engineers and construction inspectors have performed construction phase engineering services on projects totaling $340,000,000.

RESIDENT ENGINEERING

RJN has a thorough working knowledge of sound construction practices and a proven track record driven by innovative construction monitoring techniques. Our history with controlling change orders and keeping project costs within the original scope of work is based on proven monitoring and documentation techniques. We know that careful review of engineering design ultimately provides a clear understanding of the design specifications, project schedules, construction engineering controls, and management requirements.



ALTERNATIVE PROJECT DELIVERY

Design-build, as a project delivery alternative, typically expedites project life cycles and often results in lower costs focusing on **a single point of contact** from design through construction. The contractor is also involved early in the design process providing insights with construction techniques to minimize construction risks.

RJN has successfully led a number of design-build programs, in each case partnering with specialty contractors:

- Progressive "Find It/Fix It" driven by review of pipe inspection video to prepare prioritized bid packages for expedited manhole and pipe repairs/rehabilitation
- Integrated design and installation of a WWTP UV disinfection facility; design and construction were completed in six months
- Design and construction of an 800,000 gallon above-ground storage tank for excess wastewater from a food processing facility completed in nine months
- Design and construction of an 5.5 million gallon underground wet-weather storage facility completed in 12 months, which was selected as a 2016 APWA Project of the Year



- Integrated design to relocate a storm sewer and design of new sanitary and storm sewer connections for an industrial warehouse facility

REGULATORY ASSISTANCE

RJN has assisted municipalities with regulatory permitting and performed projects required to meet mandates from national, state, and local regulatory agencies. Recent projects have required:

- Meetings and correspondence with various regulatory agencies, including the U.S. and state EPA, other agencies, and Army Corp of Engineers
- Permit applications and assistance
- Stormwater runoff/erosion control issues
- Grant/revolving fund applications
- Application of CMOM guidelines and standards
- Design/construction services under State Revolving Fund programs, or other grant programs

Our engineering staff has managed a number of projects with special provisions mandated by funding requirements and understands the importance of comprehensive documentation and meeting stringent deadlines.

PUBLIC RELATIONS

By coordinating with client representatives, RJN will build an appropriate public relations program customized to support project goals. Public relations and outreach programs are used to inform the public of the progress of a project. A public relations program is also a tool for educating the community on the purpose of the project and how the activities might affect them. The methods selected for public relations employ client recommendations and are often driven by what has been successful in past efforts.



SECTION 3

SIMILAR PROJECT EXPERIENCE

WASTEWATER IMPROVEMENTS CATEGORY

Project / Client	Capital Improvement Plan Services / Village of Wilmette
Scope of Work / (Contractor) / Client POC	RJN is assisting the Village with evaluating their sewer system performance and capacities, and designing improvements to mitigate backups and flooding occurring during significant storm events. The program was initiated with construction of a Village-wide hydraulic modeling and a study to identify problem areas and develop alternatives to address capacity issues that could be incorporated in the Village's short- and long-term capital plan. Modeling evaluated system response to 1-year, 3-year, and 5-year design storms, accounting for future usage needs. The initial capital improvement program involved providing design and resident engineering services to reconstruct back pitched sewers at two locations (24-inch and 18-inch) and provide localized storage through an extension to a 72-inch pipeline. Design services were also provided to install a pump over lift station at one of the MWRD interceptor connections to limit excess flow from entering the system from the MWRD interceptor and causing bottlenecks in the Village system. A 5.5 million gallon underground wet-weather storage tank was also constructed under a design-build program to provide backup protection during significant wet-weather events, a project which won APWA Project of the Year for its category. Boller Construction, Waukegan, Illinois / Brigitte Berger-Raish, P.E., Director of Engineering, (847) 853-7627
Project Team	Mike Young, P.E. – Project Director; Cathy Morley, P.E. – Project Manager; Karol Giokas, P.E. – Project Engineer; Vincent Bergl, P.E. – Project Engineer; Tom Romza, P.E. – Project Engineer; Yann Gallin – Project Engineer; Ryan Johnson, E.I. – Staff Engineer; Emily Knippel – GIS Technician; Mark Smith – Resident Engineer
Construction Cost / Fee / Year	$14.5 million / $1.1 million / 2013 – 2015

Project / Client	2016 Flow Monitoring and SSES / Village of Schaumburg
Scope of Work / (Contractor) / Client POC	Sewer evaluation and condition assessment program in compliance with the MRWD Infiltration/Inflow Control Program (IICP). Services included flow monitoring (5 meters/2 rain gauges/6 months), manhole inspections (337), smoke testing (53,575 LF), dye water setups (5), hydraulic modeling, I/I analysis, and reporting in compliance with MWRD annual reporting requirements. N/A / Brian Wagner, Utilities Superintendent, (847) 895-7100
Project Team	Mike Young, P.E. – Project Director; Cathy Morley, P.E. – Project Manager; Vincent Bergl, P.E. – Project Engineer; Tom Romza, P.E. – Project Engineer; Yann Gallin – Project Engineer; Ryan Johnson, E.I. – Staff Engineer; David Edgren, E.I. – Staff Engineer; Emily Knippel – GIS Technician; Melissa Jankovic – Data Analyst; Lewis Chellberg – Field Manager; Mark Smith – Resident Engineer
Construction Cost / Fee / Year	N/A / $179,440 / 2016 – 2017

Project / Client	Sanitary Sewer Rehabilitation Design and Construction Observation / City of Wood Dale
Scope of Work / (Contractor) / Client POC	Design and construction observation for Area 2, including survey services and field checks; utility locates; detailed design plans and schedule for three point repairs; lining maps and schedule for sewer lining; bidding assistance; and opinion of probable construction cost. Project also involved full-time resident engineering services for point repairs and surface restoration as well as part-time resident engineering services for approximately 3,850 LF of sewer lining, punchlist, and final inspections. Other tasks included full-time construction observation, including final walk-through; review of video; development of record drawings; and general project management. A Lamp / Matthew York, Director of Public Works, (630) 787-3765
Project Team	Mike Young, P.E. – Project Director; Cathy Morley, P.E. – Project Manager; Yann Gallin – Project Engineer; Ryan Johnson, E.I. – Staff Engineer; David Edgren, E.I. – Staff Engineer; Emily Knippel – GIS Technician
Construction Cost / Fee / Year	$1.3 million / $59,485 / 2015 – 2016

Project / Client	Southwest Wet-Weather Control Facility and Dry-Weather Force Main / City of Elmhurst
Scope of Work / (Contractor) / Client POC	Study and design services for a wet-weather relief system for the Saylor Jackson pump station. Developing the preliminary design report included conducting an evaluation and design for gravity sewer improvements. Hydraulic modeling simulations were performed to determine the dry- and wet-weather capacities for the dry-weather force main. Design included 5,600 LF of 18-inch wet-weather force main; 2,800 LF of 10-inch dry-weather force main; 2,300 LF of 24-inch sanitary sewer; major modifications to the pump station and replacement of all controls; 2 million gallon wet-weather storage facility at the WWTP, and 385 LF of watermain to extend service to the storage tank including hydrants, valves, flushing system, an RPZ, and metering in a "hot-box" enclosure. Design services were also provided for roadway reconstruction required for the installation of the force main and gravity sewers. Road reconstruction involved 1,124 tons of aggregate fill, 1,108 tons of HMA Base Course, 863 tons of HMA Surface Course, and replacement of 3,128 LF of curb and gutter. Boller Construction, Waukegan, Illinois / Howard Killian, P.E., Public Works Director, 847-853-7627
Project Team	Mike Young, P.E. – Project Director; Cathy Morley, P.E. – Project Manager; Vincent Bergl, P.E. – Project Engineer; Owen Dean, P.E. – Project Engineer; Ryan Johnson. E.I. – Staff Engineer; Melissa Jankovic – Data Analyst, Emily Knippel – GIS Technician
Construction Cost / Fee / Year	$9,153,611.76 / $537,455 / 2013 – 2016

Project / Client	Sanitary Sewer System Studies for Basins 3 and 4 / City of Wheaton
Scope of Work / (Contractor) / Client POC	Detailed evaluation to reduce basement backups and overflows in Sanitary Sewer Basins 3 and 4. Detailed options will address the following components: storage and capacity improvements, flow reduction, and local residential level improvements. Main project goals include Central Park storage constructability analysis, Basin 4 and Basin 3 capacity improvements. Tasks include project administration/coordination, GIS review and exhibiting, analysis and evaluation, hydraulic modeling, and recommendations and reporting. N/A / Russell Peacock, Project Engineer, (630) 260-2040
Project Team	Mike Young, P.E. – Project Director; Karol Giokas, P.E. – Project Manager; Yann Gallin – Project Engineer; Tom Romza, P.E. – Project Engineer; Ryan Johnson, E.I. – Staff Engineer; David Edgren, E.I. – Staff Engineer; Bobby Peters, E.I. – Staff Engineer; Emily Knippel – GIS Technician; Melissa Jankovic – Data Analyst; Lewis Chellberg – Field Manager
Construction Cost / Fee / Year	N/A / $142,320 / 2017 – Ongoing

Project / Client	Sewer Rehabilitation, Water Line Design, and Lift Station Improvements / Village of Villa Park
Scope of Work / (Contractor) / Client POC	RJN has been working with the Village since 1990 developing sewer master plans, conducting evaluation services, providing design and construction observation services for sewer separation and ongoing rehabilitation (pipe line, point repairs, and line replacements), preparing a CMOM program, and designing water line and lift station designs. In addition to the annual sewer rehabilitation design and construction observation services, RJN engineers designed 3,000 LF of relief gravity sewer to address local basement backups in response to regulatory issues. The new relief sewer ranged in size from 8- to 21-inches. The design included directional drilling of 12-inch sewers under a newly reconstructed street and under Sugar Creek. Design services were also recently provided for a CDBG-funded sewer rehabilitation program and replacement of an aging 250 gpm lift station. Various / Vydas Juskelis, P.E., Public Works Director, (630) 834-8505
Project Team	Mike Young, P.E. – Project Director; Cathy Morley, P.E. – Project Manager; Vincent Bergl, P.E. – Project Engineer; Yann Gallin – Project Engineer; Ryan Johnson, E.I. – Staff Engineer; Emily Knippel – GIS Technician; Mark Smith – Resident Engineer; Lewis Chellberg – Field Manager
Construction Cost / Fee / Year	Construction Costs Varied / $98,930 / 2015 – 2016

Project / Client	Sewer Rehabilitation and Water Line Design / City of Rolling Meadows
Scope of Work / (Contractor) / Client POC	RJN has been assisting the City with sanitary sewer system inspection, design, construction observation, and master planning services since 1997. This has included rehabilitation and construction of new and deteriorating sanitary sewers and force mains as well as water line improvements. In 2005, a 10-year Master Plan was developed that outlined an annual maintenance program; RJN has supported this program providing design and construction RE services. In 2014, the Master Plan was updated using GIS maps, flow monitoring data, and rehabilitation histories to prepare a strategy that prioritized future work based on severity of condition, operational behaviors, and topography conditions. RJN worked closely with City staff to develop the plan, integrating City recommendations, and developing a program that was in compliance with the MWRD IICP program. To date, RJN engineers have designed and provided construction observation services for more than 150,000 LF of sewer, emergency force main repairs, and 10,000 LF of water line improvements. A number of these projects were funded using IEPA loans; RJN provided assistance with loan applications and documentation during construction. Various / Fred Vogt, Director of Public Works, (847) 963-0500
Project Team	Mike Young, P.E. – Project Director; Cathy Morley, P.E. – Project Manager; Karol Giokas, P.E. – Project Engineer; Yann Gallin – Project Engineer; Ryan Johnson, E.I. – Staff Engineer; Emily Knippel – GIS Technician; Mark Smith – Resident Engineer
Construction Cost / Fee / Year	Construction Costs Varied / $24,675 / 2016

Project / Client	Lift Station #5 Force Main Rehabilitation / City of West Chicago
Scope of Work / (Contractor) / Client POC	Design and bidding services for the Lift Station #5 Force Main Rehabilitation Project, including preparation of plans and specifications for cured-in-place pipelining of approximately 1,280 LF of 8-inch cast iron force main. Other tasks included GPS survey of sewer segments to be lined; detailed topographical survey for 3 proposed pits and pipe replacement locations; on-site locating services; detailed design plans for pits; general lining plans with aerial maps and GPS locates; opinion of probable construction cost; bidding assistance; and project management. Various / Robert Flatter, P.E., Director of Public Works, (630) 293-2218
Project Team	Mike Young, P.E. – Project Director; Cathy Morley, P.E. – Project Manager; Owen Dean, P.E. – Project Engineer; Emily Knippel – GIS Technician; Melissa Jankovic – Data Analyst
Construction Cost / Fee / Year	N/A / $14,080 / 2014

Project / Client	2016 SSES and Rehabilitation / City of Joliet
Scope of Work / (Contractor) / Client POC	Year 3 SSES and rehabilitation program to capture data and identify solutions for I/I remediation in the separate and combined sewer areas. Tasks included permanent flow meter data collection and analysis (6 meters); temporary flow monitoring (5 meters/4 rain gauges/3 months) to capture per-rehabilitation data; manhole inspections (709); storm inlet inspections (310); wet-weather investigations; smoke testing (101,750 LF); dyed water flooding/tracing; CCTV video review (22,750 LF); CSO modeling; and conducting private sector I/I removal programs in 3 neighborhoods involving building inspections and dye tracing to develop recommendations for disconnection. Insituform / Allison Swisher, P.E., Civil Engineer II, (815) 724-4222
Project Team	Mike Young, P.E. – Project Director; Joseph Sullivan – Project Manager; Cathy Morley, P.E. – QA/QC; Vincent Bergl, P.E. – Project Engineer; Tom Romza, P.E. – Project Engineer; Yann Gallin – Project Engineer; Owen Dean, P.E. – Project Engineer; Ryan Johnson, E.I. – Staff Engineer; David Edgren, E.I. – Staff Engineer; Bobby Peters, E.I. – Staff Engineer; Melissa Jankovic – Data Analyst; Emily Knippel – GIS Technician; Chip Heaver – Resident Engineer; Mark Smith – Resident Engineer; Lewis Chellberg – Field Technician
Construction Cost / Fee / Year	$6 million / $747,165 / 2016

Project / Client	Cherry Park Lift Station Area SSES / City of Batavia
Scope of Work / (Contractor) / Client POC	Sewer evaluation study involving manhole inspections, smoke testing, and lift station performance assessment to evaluate I/I levels and develop recommendations for remediation. Services included manhole inspections (200), smoke testing (36,000 LF), and modeling to evaluating pump responses. Recommendations were developed and updated GIS layers were delivered. N/A / Jeremy Barkei, Superintendent, (630) 454-2452
Project Team	Mike Young, P.E. – Project Director; Vincent Bergl, P.E. – Project Engineer; Yann Gallin – Project Engineer; Ryan Johnson, E.I. – Staff Engineer; David Edgren, E.I. – Staff Engineer; Melissa Jankovic – Data Analyst; Emily Knippel – GIS Technician; Lewis Chellberg – Field Technician
Construction Cost / Fee / Year	N/A / $58,450 / 2017

SECTION 4

CURRENT TEAM MEMBERS

STAFFING FORM

Name/Registration/ Title	Years of Exp./ @Firm	IDOT/Municipal Project Experience
Mike Young, P.E./ Project Director	22/10	Wide range of experience with municipal civil engineering addressing improvements to sanitary sewer, combined sewer, stormwater systems, and water distribution and treatment facilities. Specifically, he has been responsible for conducting and managing flow monitoring, hydraulic modeling, smoke testing, manhole inspection, sewer televising, dye flooding, and building inspection programs. He has also designed and managed construction activities for lift stations, force mains, sanitary sewers, combined sewers, potable water lines, and storage facilities. Michael has also led multiple design-build projects with lead responsibilities for both design and construction.
Zach Matyja, P.E. Client Manager	15/7	Experience in both municipal water and wastewater engineering. As a client manager, Zach serves as the liaison between the client and the RJN project management team to ensure that client needs are being met through all phases of the program. He has served as a project manager and design engineer for multiple municipal inspection, study, and design projects requiring coordination with clients, regulatory agencies, contractors, and team members.
Catherine Morley, P.E. / Senior Project Manager	36/17	Specializes in municipal sanitary sewer system analyses and design, stormwater management studies and flood relief schemes, construction management, water main replacement and extensions, pavement reconstruction, and design of sanitary treatment plant facilities. Her design expertise includes application of “no-dig” technologies, including directional drilling, pipe bursting and lining for water, sewer, and storm sewer improvements.
Shilpa Ghia, P.E., PMP / Branch Manager	23/1	Experienced in the management of municipal master capital projects and programs in wastewater and water treatment, sewer system collection, water distribution systems, naval air station redevelopment, and transportation, spanning all phases of a project, including planning, design, procurement, contract negotiations, and construction oversight.

Name/Registration/ Title	Years of Exp./ @Firm	IDOT/Municipal Project Experience
Karol Giokas, P.E. / Project Manager	23/11	Diverse engineering background working in environmental engineering for municipalities. She has managed a number of sanitary sewer studies in the Chicagoland metropolitan area, with services for flow monitoring, hydraulic modeling, smoke testing, manhole inspection, dyed water flooding, and building inspection projects for both separate sanitary and combined sewer systems.
Vinnie Bergl, P.E. / Project Engineer	12/12	Extensive experience working on projects developing municipal infrastructure solutions. His project work has involved sanitary sewer system analyses and design, stormwater management studies and flood relief schemes, construction management, water main replacement and extensions, and pavement reconstruction. He has also been responsible for developing hydraulic sewer and stormwater models for many evaluation and design projects.
Tom Romza, P.E. / Project Engineer	6/6	Expertise with comprehensive engineering analysis of flow and condition data and developing engineering reports for RDII analysis and sewer system evaluation and assessment programs for municipalities. He has also been responsible for leading crews and conducting GPS survey, flow monitoring, smoke testing, dye testing, and manhole inspections.
Owen Dean, P.E. / Project Engineer	4/4	Experience centers on data collection and analysis services to support comprehensive collection system condition and performance evaluations for municipalities. He has been responsible for leading crews and performing GPS survey, flow monitoring, smoke testing, dye testing, and building inspections.
Yann Gallin / Project Engineer	13/3	Wide background with water and wastewater engineering improvement projects for municipalities. He has been responsible for project and contract management extending to design, construction testing, and troubleshooting.
Ryan Johnson, E.I. / Staff Engineer	5/5	Experience with municipal water and sewer evaluation and design programs. As a project engineer, he been responsible for conducting field surveys and condition inspections, flow analysis, utility locates, and preparing plans and specifications for pipelines, lift stations, and manholes.

Name/Registration/ Title	Years of Exp./ @Firm	IDOT/Municipal Project Experience
David Edgren, E.I. / Staff Engineer	3/3	Wide range of technical experience in collection system flow data analysis, I/I analysis, design, and hydraulic modeling for municipalities. He has worked on several municipal hydraulic models guiding large, multi-year capital improvement projects and has conducted research in statistical measurement of the effectiveness of completed I/I rehabilitation measures through flow monitoring.
Bobby Peters, E.I. / Staff Engineer	2/1.5	Experience with condition field inspection services, engineering analysis, mapping, and field reconnaissance focusing on municipal wastewater collection systems.
Dennis Gilbertson, GISP / GIS Manager	20/3	Experience in providing Geographic Information Systems (GIS) solutions to municipalities and other organizations.
Emily Knippel / GIS Analyst	4/4	Specializes in GIS services to support municipal infrastructure study and improvement programs including mapping and GIS system updates.
Mark Smith / Resident Engineer	23/3	Experience with municipal engineering projects focused on surveying and construction observations. He has led survey crews and filled the role of construction inspector on site improvement projects and municipal capital improvement for water, sanitary sewer, and roadway projects.
Chip Heaver Resident Engineer	40/3	Experience with municipal construction inspection and observation. One of his primary focuses is the rehabilitation and repair of manholes.
Melissa Jankovic / Data Manager	5/5	Conducted and supervised field inspection and condition assessment tasks for wastewater collection system programs for municipalities. Her experience extends to flow monitoring, manhole inspections, smoke testing, and building inspections. Also oversees the internal quality assurance/quality control processes for ensuring field data integrity and serves as a central point of communication between field personnel, project managers, and other technical staff.
Lewis Chellberg / Field Manager	2/2	Conducted and supervised a wide array of field inspection services to support wastewater collection system evaluations in municipalities. He has conducted installation, maintenance and data collection for flow meters and rain gauges, manhole inspections, smoke testing, and dye water flooding.

SECTION 5

CLIENT EVALUATIONS

CLIENT EVALUATIONS

THE VILLAGE OF
Wilmette
EST. 1872

Engineering and Public Works
Department

(847) 853-7660
Fax (847) 853-7701

May 25, 2016

Mr. Mike Young
Principal
RJN Group
200 W. Front Street
Wheaton, IL 60187

Dear Mr. Young:

On behalf of the Village of Wilmette and the more than one thousand home owners that have received flood relief, please consider the West Park Wet Weather Storage Facility for the prestigious *Engineering News Record* project of the year award. ENR is seeking projects that represent the best in the industry and we are confident that this project will set the bar as a model for other agencies, contractors and engineers. As the application will show, the West Park project was successful because of creative engineering solutions, intergovernmental cooperation and an outstanding team of professionals led by the design-build joint venture of RJN/Boller.

The Village of Wilmette's separate sanitary sewer system is challenged with high wet weather flows and a restricted downstream outfall that results in surcharged conditions and basement sewer backups during heavy rain events. While the Village has performed an adequate level of maintenance over the years, it wasn't until a series of heavy rain events in 2007, 2009 and 2013 that brought the problems to the forefront.

As soon as Wilmette's Village Board committed to resolving this longstanding challenge, the clock started ticking. Through intergovernmental cooperation between the Village and the Park District (two separate taxing bodies) an agreement was reached to build a 5.5 million gallon underground sanitary storage reservoir under a popular park and athletic field, named West Park. The agreement was predicated on the Village's commitment to complete the work within one construction season in order to minimize disruption to the athletic programs that rely on West Park. In a little over one year, the design-build team excavated 90,000 cubic yards of earth and constructed the tank using 20,000 tons of concrete and 1200 tons of steel.

CITY OF ELMHURST
209 NORTH YORK STREET
ELMHURST, ILLINOIS 60126-2759
(630) 530-3000
www.elmhurst.org

SCOTT M. LEVIN
ACTING MAYOR
PATTY SPENCER
CITY CLERK
DAVID DYER
CITY TREASURER
JAMES A. GRABOWSKI
CITY MANAGER

April 5, 2013

Mr. Michael N. Young, P.E.
RJN Group, Inc.
200 West Front Street
Wheaton, IL 60187

RE: Letter of Recommendation

Dear Mr. Young,

I am very pleased to submit this letter of recommendation for the RJN Group for work completed on the City's Sanitary Sewer System as part of the 2012/2013 Atrium Force Main Replacement and the 2012/2013 Saylor Avenue Force Main Replacement Programs. Your work on these programs was completed in a professional, efficient, and courteous manner.

The City of Elmhurst is committed to making the necessary repairs to reduce I/I within the Sanitary Sewer Collection System. The detailed reports, summaries, recommendations, and database files that were provided by RJN Group have been instrumental in taking our capital improvement projects to the next level.

RJN Group operates in a very professional manner and attends to every detail of a project in a timely fashion. I have enjoyed working with RJN Group on past projects and would not hesitate to recommend them to any municipality seeking assistance with their sanitary sewer collection system.

If you should have any questions, please feel free to contact me directly at:
voice: 630-530-4042 or e-mail: gary.smith@elmhurst.org

Sincerely,

Gary Smith

Manager, Water/Wastewater
City of Elmhurst

City of Wheaton
303 W. Wesley Street
Wheaton, IL 60187-0727
630-260-2000

City of Wheaton, Illinois
www.wheaton.il.us

April 4, 2013

Mr. Alan J. Hollenbeck, P.E.
President/CEO
RJN Group, Inc.
200 West Front Street
Wheaton, Illinois 60187

Re: Letter of Recommendation

Dear Mr. Hollenbeck:

It is with great pleasure that I provide this letter of recommendation to RJN Group, Inc. for your many years of service to the City, but in particular your most recent efforts with the City's Basin 4 Sanitary Sewer Evaluation Study which began in 2011. As you are aware, the Mayor and City Council has made the issue of reducing sanitary sewer backups and overflows a high priority in Wheaton.

City staff has been working on the identification and elimination of inflow and infiltration for many years by addressing the public sector portion of the sanitary sewer system. The joint engineering study performed by another consultant for the Wheaton Sanitary District and the City provided a great overview of what needs to be accomplished to reduce excessive flow in the system, but your approach to bring the study down from the 30,000-foot level and study an individual sewer basin and create a pilot project as a template for the future effort is moving us toward some real measurable results.

Although progress is still moving in this effort, the work your staff in Wheaton has provided so far has been excellent. Mr. Michael Young and Ms. Karol Giokas are great examples of the professionals RJN has employed to assist your clients with sanitary sewer evaluation and recommendations. City staff has enjoyed the working relationship, and the exchange of information and ideas is constant. The quality of the deliverables from RJN is superb, and although technical presentation with elected officials can be challenging, you have made informative and concise presentations to our City Council which were received very well. I also want to mention how pleased we are with RJN's other work efforts such as smoke testing and building inspections. These are two work efforts that are visible to the public and affect our residents directly have been handled in the same professional manner.

Overall, the City of Wheaton has been very pleased with the services RJN Group has provided on the Basin 4 Study over the last two years, and I look forward to working with your staff in concluding this work and continuing our professional relationship in services for this community. If any prospective client would like to contact me directly regarding this letter of recommendation, please feel free in providing my contact information.

Sincerely,

Paul G. Redman, P.E.
Director of Engineering

Wheaton City Hall • 303 W. Wesley Street • Wheaton, IL 60187-0727
630-260-2000 • Fax 630-260-2017 • TDD 630-260-8090
Mayor – Michael J. Gresk • **City Manager** – Donald Rose
City Council – Tom Mouhelis • John Rutledge • W. Thoreson Saline • Evelyn Pacino-Sanguinetti • Todd Scalzo • Phil Suess

SECTION 6

STATEMENT OF QUALIFICATIONS FORM

CATEGORIES

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [ ] Design Engineering
- [X] Wastewater Improvements
- [ ] Stormwater Engineering
- [ ] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: Valerie Kelley

Print Name .....: Valerie Kelley

Position/Title.....: Chief Financial Officer/Principal

Company Name ...: RJN Group, Inc.

Address line 1 .....: 200 W. Front Street

Address line 2 .....: Wheaton, Illinois 60187

Telephone.....: 630-682-4700









rjn group

40 years of collection system solutions

200 West Front Street
Wheaton, Illinois 60187
(630) 682-4700
www.rjn.com

BENSENVILLE
GATEWAY TO OPPORTUNITY

Statement of Qualifications

Civil Engineering Services
October 19, 2017



Robinson ENGINEERING
Celebrating 80 Years
Municipal Expertise. Community Commitment. Since 1937

127 N. Walnut Street, Suite 200
Itasca, IL, 60143
ph. 847-250-5635

Frankfort, IL Itasca, IL Kankakee, IL South Holland, IL Volo, IL Merrillville, IN

Robinson ENGINEERING

Municipal Expertise. Community Commitment.

Aaron E. Fundich, PE
Direct (815) 412-2701
afundich@reltd.com

October 19, 2017

Mr. Joseph M. Caracci, PE
Director of Public Works
Village of Bensenville
Public Works Building
717 E. Jefferson Street
Bensenville, IL 60106

RE: Statement of Qualifications
Civil Engineering Services

Dear Mr. Caracci:

Robinson Engineering, Ltd. (REL) is pleased to submit this Statement of Qualifications (SOQ) to perform professional engineering services identified in your RFQ. Our proposed project management approach is outlined in our statement of qualifications, along with discussions regarding our project approach, team, and relevant project experience. Mark Wesolowski will continue to serve as our primary liaison for any projects that we may be awarded; of course, Steve Zehner, John Beissel, Al Stefan and I will also be available as may be required.

Our recent experience assisting Bensenville with its quiet zone improvements and downtown infrastructure revitalization project has been positive and we look forward to these improvements serving the Village for years to come. Going forward, most projects undertaken for the Village would continue to be performed from our DuPage County office in Itasca, less than five miles from Bensenville. One of our company hallmarks, the delivery of prompt, proactive and personal professional service, will continue to be a positive aspect of your relationship with Robinson Engineering.

As appointed municipal engineers to nearly 60 communities in Illinois and northwest Indiana, including 31 continuously for over 50 years, we have a unique familiarity with all types of municipal engineering, planning and funding issues. Bensenville is one of nine DuPage County communities we currently serve; as such, we have an in-depth familiarity with many of the regional issues affecting the Village beyond individual projects, such as transportation funding, stormwater management ordinance issues, and other regional initiatives. Furthermore, Robinson enjoys tremendous, decades-long, working relationships with IDOT, ISTHA, IEPA, CMAP, IDNR, DMMC and other agencies while advocating for our client municipalities.

We thank you for the opportunity to submit our qualifications. We look forward to the opportunity to continue our commitment to serving Bensenville to the best of our ability. If you have any questions, please do not hesitate to contact me at (815) 412-2701.

Very truly yours,

ROBINSON ENGINEERING, LTD.

Aaron E. Fundich, PE
Executive Vice President
AEF:pc

Encl.



PROFESSIONAL ENGINEERING SERVICES

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Consultant Evaluation Form	
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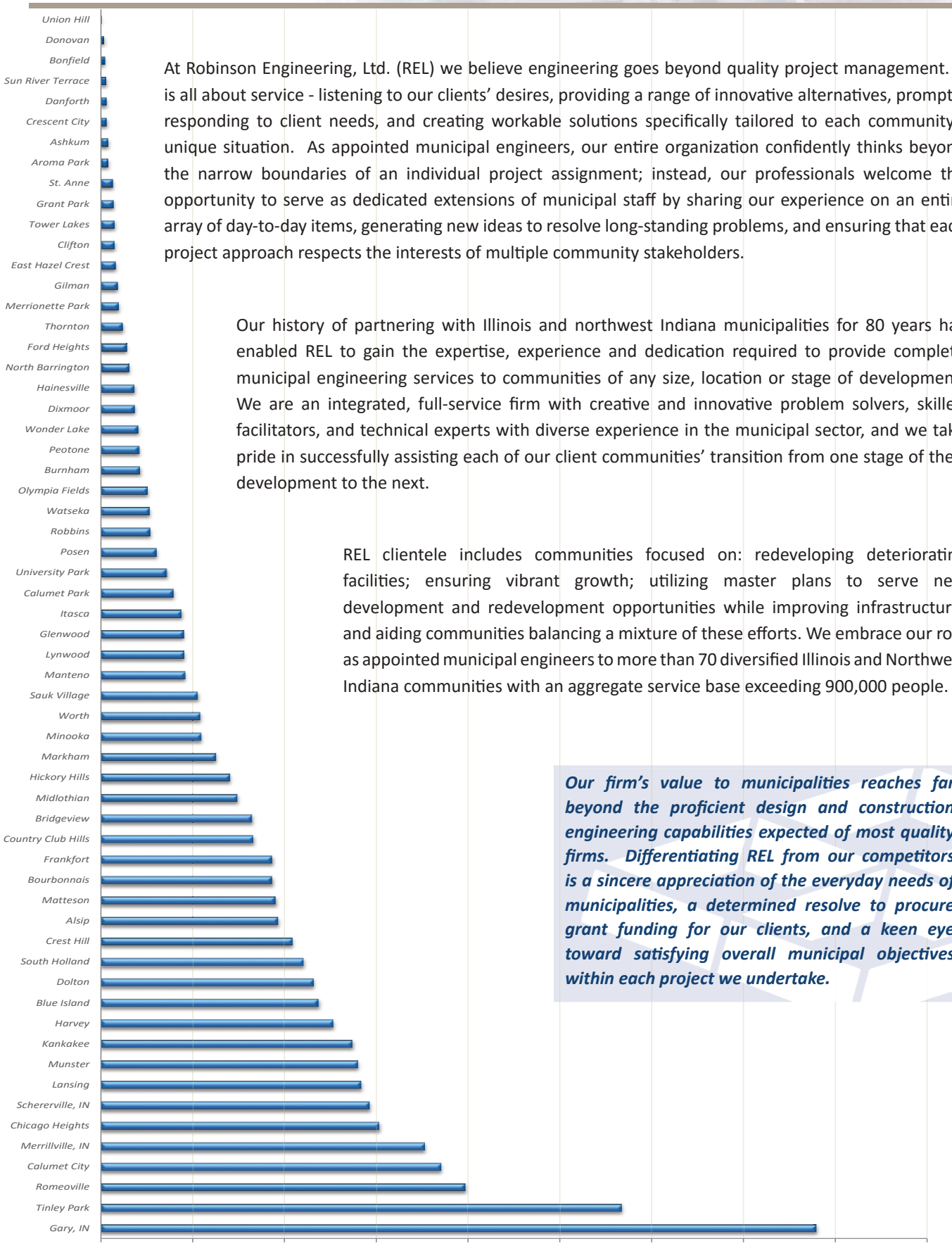
Section 1

Company Profile

Robinson ENGINEERING

Municipal Expertise. Community Commitment.

COMPANY PROFILE



At Robinson Engineering, Ltd. (REL) we believe engineering goes beyond quality project management. It is all about service - listening to our clients' desires, providing a range of innovative alternatives, promptly responding to client needs, and creating workable solutions specifically tailored to each community's unique situation. As appointed municipal engineers, our entire organization confidently thinks beyond the narrow boundaries of an individual project assignment; instead, our professionals welcome the opportunity to serve as dedicated extensions of municipal staff by sharing our experience on an entire array of day-to-day items, generating new ideas to resolve long-standing problems, and ensuring that each project approach respects the interests of multiple community stakeholders.

Our history of partnering with Illinois and northwest Indiana municipalities for 80 years has enabled REL to gain the expertise, experience and dedication required to provide complete municipal engineering services to communities of any size, location or stage of development. We are an integrated, full-service firm with creative and innovative problem solvers, skilled facilitators, and technical experts with diverse experience in the municipal sector, and we take pride in successfully assisting each of our client communities' transition from one stage of their development to the next.

REL clientele includes communities focused on: redeveloping deteriorating facilities; ensuring vibrant growth; utilizing master plans to serve new development and redevelopment opportunities while improving infrastructure; and aiding communities balancing a mixture of these efforts. We embrace our role as appointed municipal engineers to more than 70 diversified Illinois and Northwest Indiana communities with an aggregate service base exceeding 900,000 people.

Our firm's value to municipalities reaches far beyond the proficient design and construction engineering capabilities expected of most quality firms. Differentiating REL from our competitors is a sincere appreciation of the everyday needs of municipalities, a determined resolve to procure grant funding for our clients, and a keen eye toward satisfying overall municipal objectives within each project we undertake.

Robinson ENGINEERING

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KEY SERVICES

- Transportation systems
- Water distribution, design & modeling
- Water storage & treatment systems
- Wastewater collection & treatment
- Floodplain & stormwater management
- Development reviews & inspections
- Geographic information systems (GIS)
- Professional land surveying services

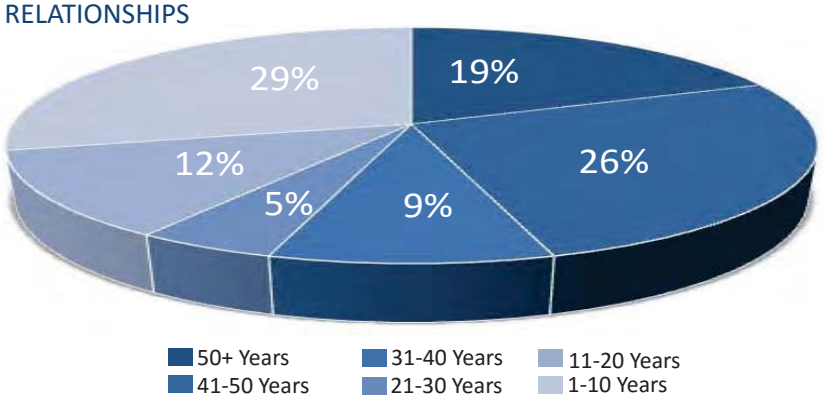
RELATED SERVICES

- Grant applications & administration
- Letter-of-credit reviews
- Economic development initiatives
- Public safety issues
- Regulatory agency negotiations
- Public hearings
- Property owner consultation
- Annexation agreement negotiations
- Municipal ordinance updates
- Capital improvement plans
- Infrastructure O&M

All of the services described above are performed in-house, with little or no reliance on sub-consultants, offering us the ability to quickly exert necessary project controls as needed to meet each client's schedule needs.

Our strength in satisfying our clients is simple: the caliber of our people. We bring a lessons-learned background to every project that provides our clients with the ability to make informed choices, not just our preferences. Our experienced engineers, surveyors, planners, and resource specialists are committed to making a positive difference in the communities we serve by providing personalized service and expertise, recognizing that excellent work and integrity are mandatory for establishing positive long-term relationships.

MUNICIPAL ENGINEERING RELATIONSHIPS



Our area history, project database and contact network serve as invaluable institutional resources for our client communities, as well as our dedication to verifying that all projects are implemented in accordance with municipal master plans. Technical expertise is supplemented by a 100% commitment to clients' best long-term interests via our long-standing policy of declining private sector work in communities we serve. Finally, we respect our clients' needs and fiscal realities by topping off all endeavors with ***an extra dose of common sense***, a trait that our client communities have long respected about REL. These distinctive added value features have prompted dozens of client communities to continue retaining our services for decades, including 23 plus towns continuously for over 40 years.

Another REL hallmark is our active participation in the communities where we live, work, shop and worship. Nearly 90% of our current staff were raised and/or currently live in one of our client communities, and our firm offers a first-time homeowner benefit for employees who purchase their home in one of our client communities. Our professionals are personally involved in improving their local environments and quality of life for their families and neighborhoods, and this level of care is evident in the projects we manage. By personally valuing each and every client and project, REL aims to do more than just meet expectations; we strive to exceed them each and every day.

Robinson ENGINEERING

Municipal Expertise. Community Commitment.

COMPANY PROFILE

MUNICIPAL ENGINEERING

- Grant applications
- Development reviews
- Capital improvement plans
- Infrastructure master planning
- Ordinance updates

TRANSPORTATION

- Transportation planning
- Roadway reconstruction
- Traffic signals
- Street lighting
- Bike trails

STORMWATER MANAGEMENT

- Stormwater detention
- Floodplain management
- Storm sewer systems
- Hydraulic studies
- Best management practices

WASTEWATER

- Conveyance systems
- Treatment facilities
- Lift stations
- Infiltration/Inflow studies
- EPA/MWRD compliance

WATER

- Supply & distribution systems
- Storage facilities
- Pumping facilities
- Treatment facilities
- System modeling

SITE DEVELOPMENT

- Site grading
- Parking lots
- Parks & recreational facilities
- Wetlands mitigation
- Sustainable development

LAND SURVEYING

- ALTA surveys
- Plats of highway
- Easement/right-of-way plats

GIS/MAPPING

- Database management
- Community mapping
- Utility mapping

CONSTRUCTION MANAGEMENT

- Field staking & layout
- Construction inspection
- Project management

ROBINSON PROFESSIONAL STAFF @ A GLANCE

- 49 Professional Engineers (PE)
- 4 Leadership in Energy & Environmental Design Accredited Professionals (LEED AP)
- 2 Lake County Stormwater Enforcement Officers
- 1 Licensed Structural Engineer (SE)
- 1 Certified Planner (AICP)
- 5 Professional Land Surveyors (PLS)
- 5 Professional Engineering Interns (PEI)
- 17 Certified Floodplain Managers (CFM)
- 5 Certified Professionals in Erosion & Sediment Control (CPESC)
- 3 Professional Traffic Operations Engineers (PTOE)

ROBINSON FIELD STAFF @ A GLANCE

- 24 Resident Engineering Technicians
- 6 INDOT Certified Highway Inspectors
- 24 IDOT Documentation Certified Personnel
- 3 IDOT Certified Bridge Inspectors
- 3 Certified Erosion, Sediment & Stormwater Inspectors (CESSWI)
- 6 Certified Public Infrastructure Inspectors
- 2 Certified Survey Technicians



Robinson ENGINEERING

Municipal Expertise. Community Commitment.

PROFESSIONAL REGISTRATIONS & CERTIFICATIONS

Registered Professional Engineers	AZ	CA	CO	IL	IA	IN	MI	WI	CFM	PTOE	CPESC	LEED AP
Geoff Aggen				•					•			
Erik M. Alvarez				•								
Melanie K. Arnold				•								
Patricia K. Barker				•					•			
David P. Barnas				•								
John J. Beissel				•								
Kevin J. Biscan				•								
George D. Budwash				•		•						
Van Calombaris				•		•						
James M. Czarnik				•		•						
William P. Dolan				•					•	•		
Jason L. Douthett				•		•						
Jonathan D. Flowers				•								
Aaron E. Fundich				•		•						
Harry L. Gilmore, Jr.				•								
Troy A. Golem				•								
Gregory S. Gruen				•								
Veronica Hall				•								
John Hilsen				•		•						
James P. Hus, Jr.				•		•				•		
Michael Johnson				•								
Sean P. Kelly				•					•		•	
Christopher J. King	•			•		•	•					
Dana E. Ludwig				•					•		•	
James M. Mandon						•						
Amy S. McKenna				•					•			
Steven R. McBurney				•								
Mark McMillan				•								
Thomas E. Nagle								•				
Joseph M. Nordman				•		•			•			
Paul Pearson, Jr.				•								
Carrie A. Pintar				•		•			•		•	
Jeffrey C. Pintar				•					•			
Russ W. Prekwas						•		•				
Jennifer S. Prinz				•		•			•			
Ernest R. Roberts III				•		•						
Paul R. Ruscko				•								
David W. Shilling				•		•						
Michael R. Spolar				•					•	•	•	
Albert K. Stefan				•								
Lisa J. Taccola				•	•	•						
Edward J. Tunelius				•								
David Tyson			•	•		•						
Jacob C. Wellbank				•								
Mark A. Wesolowski				•					•			
Ronald J. Wiedeman				•		•						
Sarah C. Winter				•								•
Jonathon A. Zabrocki		•	•	•	•				•		•	•
Steven G. Zehner				•				•				•
Registered Structural Engineer												
Christopher J. King				•								
Professional Land Surveyors												
John Barrett				•								
Kevin J. Biscan				•								
Randell E. Gann				•		•						
Brad K. Lueders				•								
David Tyson				•								

Floodplain Managers	Rick Clevenger	Joel R. Drabicki	Jonathan J. Dykstra	Ronald E. Smith
Professional Engineer Interns	Robert W. Borchering	Josh Barelli	Steven D. Kaminsky	Greg A. Kamplain

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PROFESSIONAL REGISTRATIONS & CERTIFICATIONS

Certified Erosion, Sediment and Storm Water Inspector (CESSWI)

David P. Barnas
Douglas E. Breshock
John M. Fitzpatrick
David A. Webber

Certified Planner (AICP)

Maura A. Rigoni

Certified Hazardous Materials Manager

Steven G. Zehner

IDOT Certified Public Infrastructure Inspector

Robert W. Borchering
Douglas E. Breshock
John M. Fitzpatrick
Jay K. Lauritzen
Lisa J. Taccola
RJ Tyson
David A. Webber

Lake County Stormwater Enforcement Officers (IL)

Amy S. McKenna
Jacob C. Wellbank

Certified Survey Technicians

Robert J. Gamboa
Jay K. Lauritzen

Geographic Information Systems Professional (GISP)

Frank A. Bava
Edward K. Rudd

ACI Concrete Field Testing Technician-Grade I

Jason L. Douthett
Marc T. Mayotte

IDOT Certified Bridge Inspectors

Douglas E. Breshock
James P. Hus
Christopher J. King

IDOT Documentation Certified Personnel

David P. Barnas
John J. Beissel
Robert W. Borchering
Douglas E. Breshock
Clinton Buchmeier
Jason L. Douthett
John M. Fitzpatrick
Robert J. Gamboa
Adam Glens
Troy A. Golem
James P. Hus
Jay K. Lauritzen
Marc T. Mayotte
David J. McGrath
Mark McMillan
Carrie A. Pintar
Scott E. Ranger
Jairo M. Rodriguez
David W. Shilling
Michael R. Spolar
Lisa J. Taccola
RJ Tyson
Jason W. Vandercar
David A. Webber

INDOT Certified Inspectors

Robert W. Borchering
Jason L. Douthett
Lyle Hannigan
James P. Hus
Steven J. King
David W. Shilling

US Army Corps of Engineers Construction Quality Management for Contractors

Doug E. Vanderbilt

IEPA Wastewater Treatment Plant Operator

Terrence L. Grom, Classes 1, K
Craig Heim, Class 1
Richard A. Leber, Class 1
William L. Liszka, Class 1
Paul R. Ruscko, Class 4

IEPA Wastewater Collection System Operator

Robert W. Borchering
Robert J. Csanyi
John M. Fitzpatrick
Rodney D. Phillippi
Thomas E. Nagle

IEPA Water Supply Operator

Ryan Christensen, Class C
John M. Fitzpatrick, Class B
Craig Heim, Class A
Richard A. Leber, Class A
William L. Liszka, Class A
Thomas E. Nagle, Class C
Rodney D. Phillippi, Class C
Gregory Topf, Class C

NACE Coating Inspector

Gregory Adams, Level 1
Richard A. Leber, Level 3

NASSCO Inflow & Infiltration Mitigation, PACP/MACP/LACP

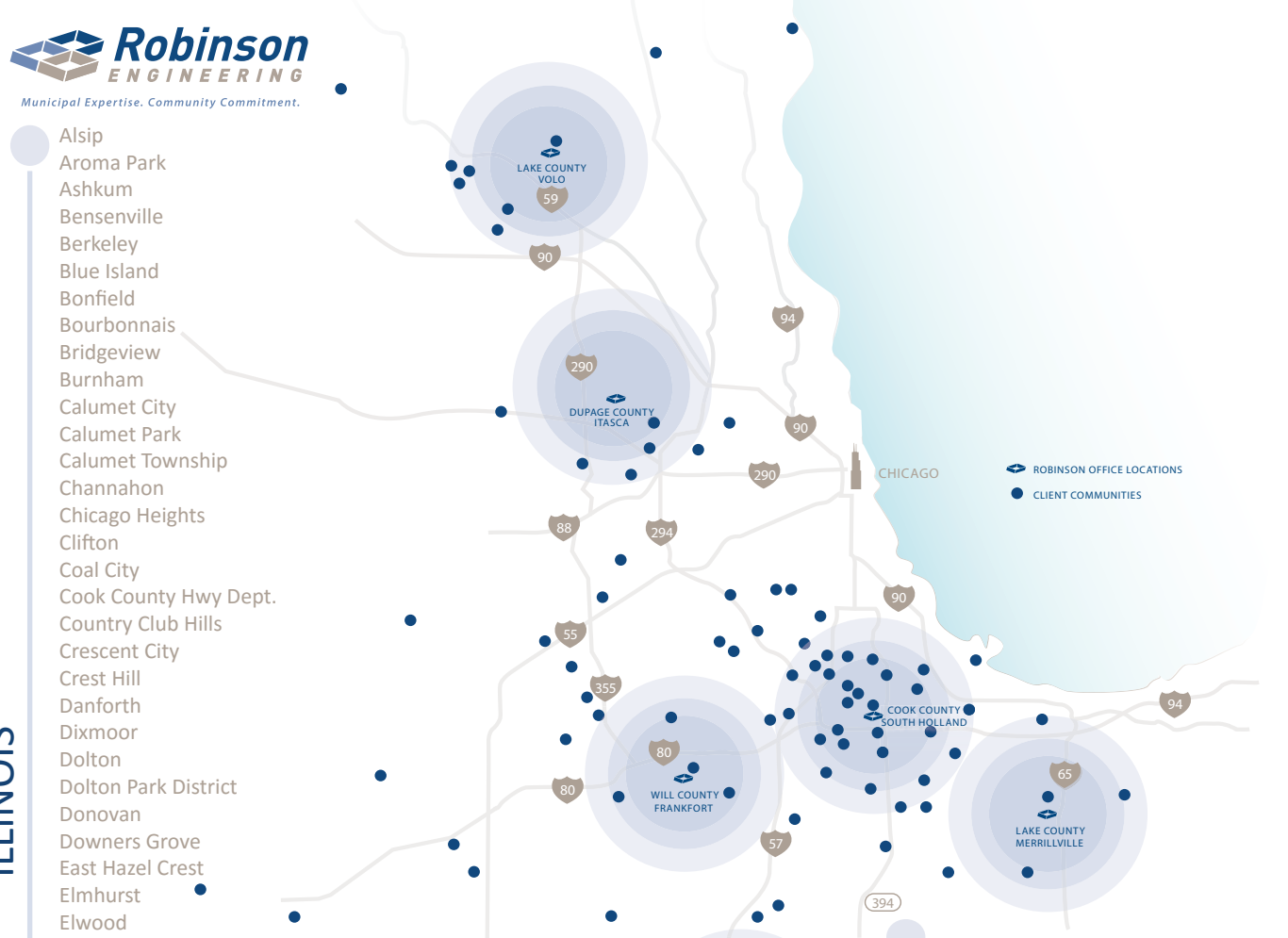
Martin J. King
Thomas E. Nagle
Rodney D. Phillippi

FAA-Certified Drone Pilot

William R. Lisak

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ILLINOIS

Alsip
Aroma Park
Ashkum
Bensenville
Berkeley
Blue Island
Bonfield
Bourbonnais
Bridgeview
Burnham
Calumet City
Calumet Park
Calumet Township
Channahon
Chicago Heights
Clifton
Coal City
Cook County Hwy Dept.
Country Club Hills
Crescent City
Crest Hill
Danforth
Dixmoor
Dolton
Dolton Park District
Donovan
Downers Grove
East Hazel Crest
Elmhurst
Elwood
Ford Heights
Frankfort
Gilman
Glenwood
Hainesville
Harvey
Hazel Crest
Hickory Hills
Highland Park
Homer Glen
Homer Township
IDOT
Island Lake
Itasca
Kankakee
Kankakee County
Kimberly Heights S.D.
Lakemoor
Lansing
Lombard
Lynwood
Manhattan
Manteno
Marengo
Markham
Matteson
McHenry
McHenry County
Merrionette Park
Midlothian
Minooka
Mokena
Momence
Monee
Mount Prospect
MWRD
North Barrington
Olympia Fields
Orland Park
Orland Township Highway Department
Oswego
Palos Park
Peotone
Plano
Phoenix
Posen
River Valley Metro
Robbins
Romeoville
Roselle
Round Lake
Sauk Village
South Holland
South Lyons Sanitary District
South Palos Township S.D.
Spring Grove
St. Anne
Sun River Terrace
Thornton
Tinley Park
Tower Lakes
Union Hill
University Park
Villa Park
Volo
Watseka
Waukegan
Will County
Will County Forest Preserve District
Will County Hwy Dept.
Wilmington
Wonder Lake
Wood Dale

INDIANA

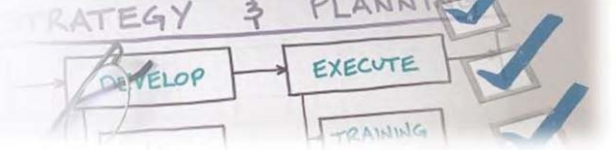
Crown Point
Dyer
Dyer Park
East Chicago
Gary
Gary Sanitary District
Griffith
Hammond
Hobart
INDOT
Kouts
Lake County
Lake County Hwy. Dept.
Merrillville
Merrillville Conservancy District
Munster
Schererville
Whiting



Overview of Qualifications

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OVERVIEW OF QUALIFICATIONS



Robinson Engineering, Ltd. (REL) works to lead a rigorous, collaborative process with which to make sustainable, functional and inspiring projects that serve the public interest, while providing excess value to our client communities. Our experienced team is dedicated to assisting our public clients achieve their goals, and is fully capable of providing the entire array of municipal engineering services described in the Village's RFQ document with existing in-house personnel.

During the past decade alone, REL has planned, designed and managed the construction of over 2,000 municipal infrastructure rehabilitation projects nearly identical to the scope described in Bensenville's short-list categories: Design Engineering, Stormwater Engineering, Wastewater Improvements, and Resident Engineering. Our firm possesses extensive experience with every facet of roadway projects patching, grind, overlay, resurfacing, reconstruction improvements, sanitary sewer and water main rehabilitation and replacement, and storm sewer installations and upgrades, as well as vast databases available to generate accurate cost estimates for purposes of establishing (and sticking to) project budgets. Designing these improvements with the details required by existing residential neighborhoods, commercial areas, or industrial parks, recognizing the unique service and access requirements of each stakeholder, and advance coordination with private electric, gas and telephone utility companies is critical for project success. In addition, pro-actively managing project schedules by anticipating the requirements of various regulatory agencies such as FHWA, IDOT, IEPA, IDNR, USACOE, USFWS, County Highway Departments and other permitting agencies assists us to enable our client communities to achieve their objectives. Finally, we are well-versed with the ever-changing funding requirements of numerous agencies, implementing dozens of projects funded each year through federal STP, CMAQ, ITEP, LAPP, and BRRP transportation funds, low-interest IEPA water/wastewater loans, and municipal grants provided through IDNR, USFWS, CDBG, DCEO and a variety of other sources.



Simply put, municipal engineering is what we do. We understand the types of challenges confronted by local municipalities like Bensenville in balancing public infrastructure needs with limited resources. We consider it our duty to provide practical, innovative and cost-effective solutions to everyday problems, with a can-do dedication to service, viewing no problem too small or too large for us to resolve. All sectors of our organization possess decades of experience approaching problems from an ingrained municipal perspective that consistently rejects short-term fixes in favor of providing the best long-term solutions.

We continuously monitor federal and state funding opportunities for our client communities for all types of grants, whether related to an engineering project or not, as well as an extensive network of local, state and national contacts we share as resources ***to provide excessive value to municipalities*** beyond standard engineering services.

The following pages provide brief summaries of our firm's technical capabilities, qualifications and a snapshot of our recent relevant project experience.

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TRANSPORTATION PROJECT EXPERIENCE

KEY SERVICES

- Traffic studies
- Transportation Planning
- Location Drainage Studies
- Intersection Drainage studies
- Traffic Signal Design
- Roundabout Design
- Roadway Reconstruction
- Street and Parking Lot Lighting
- Annual MFT Maintenance Programs
- Street Resurfacing
- Bike Trails
- Sidewalks
- Streetscaping Redevelopment
- Bridge Inspections

RELATED SERVICES

- GIS pavement management
- Environmental surveys
- Regulatory agency coordination

LOCALLY FUNDED TRANSPORTATION

Our position as municipal engineers to more than 70 communities involves Robinson Engineering, LTD, (REL) with the design and construction observation of dozens of locally funded roadway reconstruction, resurfacing and local roadway rehabilitation projects each and every year. Whether funded by local corporate funds or developer contributions, or utilizing Motor Fuel Tax (MFT) funds and processing projects through IDOT's Bureau of Local Roads, REL brings nearly 80 years of principled experience with local and state funded transportation projects.

We work closely with municipal staff to plan and budget for annual MFT maintenance programs for local street resurfacing, sidewalk replacements, and other roadway maintenance issues including snow/ice removal and traffic signal maintenance. Our services range from simple assistance with IDOT/INDOT paperwork, to complex design of roadways, drainage, street lighting and traffic signals. Beyond the traditional aspects of safety engineering, our vibrant professional staff is also committed to assisting communities implementing quality-of-life amenities such as bike trail extensions funded through various grant programs, decorative streetscaping improvements, and other green-initiative enhancements to the local transportation system. As vested local partners in our client communities, REL employees take great pride in utilizing many of the local transportation facilities we design.







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TRANSPORTATION PROJECT EXPERIENCE

KEY SERVICES

- Environmental Impact Statements
- Phase I/II/III/ ROW Engineering
- Traffic Studies/Traffic Signals
- Intersection Design studies
- Complete Street Designs
- Location Drainage Studies
- Accident Analysis
- FHWA Coordination

RELATED SERVICES

- Transportation planning
- Environmental surveys
- Regulatory agency coordination
- Local agency reimbursement processing
- Row engineering/surveys



The ever-present need to rehabilitate and expand transportation infrastructure provides a constant challenge to communities. As a backbone of a community, the transportation system plays a critical role in all municipalities. Selecting a professional with the expertise to cost-effectively plan and design complete street and traffic signal systems with lighting facilities is crucial to any entity.

FEDERALLY FUNDED TRANSPORTATION

Robinson Engineering, Ltd. (REL) has performed preliminary/complete design engineering and construction management services for over 170 federally funded roadway projects during the past five years. Our expertise includes all aspects of Phase 1 engineering (preliminary design and NEPA processing), Phase 2 engineering (preparation of detailed design plans, specifications and estimates), Right-of-Way engineering (preparation of plats & legal descriptions for easements and acquisitions), and Phase 3 construction engineering. Our environmentally conscientious focus on sustainable transportation designs, and laser focus on cost-effective client service, sets us apart from our competitors.

We act on behalf of our client communities by guiding projects through state and county transportation agencies, leading public hearings and other project coordination issues, and assisting with funding opportunities. We're intricately familiar with the various funding sources under the federal STP umbrella, including funds allocated through MPOs and mayoral councils, CMAQ funds allocated through the Chicago Metropolitan Agency for Planning (CMAP), and the various federal funds for Illinois Transportation Enhancement Program (ITEP), Highway Bridge Replacement and Rehabilitation Program (HBRRP), Economic Development Program (EDP), Safe Routes To School, Truck Access Routes and Access to Transit, to name a few, as well as ICC and Metra funding arrangements for railroad related projects. On numerous occasions, we've helped communities coordinate multi-jurisdictional projects utilizing multiple funding sources to minimize the local share for project implementation.



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STORMWATER PROJECT EXPERIENCE

KEY SERVICES

- Storm Sewer Design
- Culvert/Bridge Sizing
- Drainage Investigations
- Concept Plans & Alternative Analysis
- Location Drainage Studies
- Hydrologic & Hydraulic Modeling
- Dynamic Modeling
- Detention & Retention Design
- Combined Sewer Separation
- Flood Studies
- Compensatory Storage Design
- Floodplain Mapping
- FEMA Flood Insurance Studies
- Regulatory Agency Permitting
- NPDES/MS4 Compliance
- Best Management Practices
- Dam Breach Analysis
- Breach Zone Mapping

RELATED SERVICES

- Permitting
- Development review
- Ordinance and design standards update
- Construction management
- NPDES Phase II (MS4) compliance
- Grants/Funding



Robinson Engineering, Ltd. (REL) recognizes the importance that drainage has with nearly every municipal and private development project. REL uses a comprehensive approach and implements practical solutions to projects ranging in size from minor backyard drainage problems to large-scale flood studies. REL uses its combination of technical expertise and ability to communicate with clients, municipal staff, and residents on a daily basis. We use a variety of computer modeling applications for designing and evaluating stormwater management plans, storm sewer systems and corrective drainage measures. We have extensive experience with various design standards and ordinances in the region, and regularly sit on local drainage committees. As technology changes and trends shift, REL keeps pace and remains on the cutting edge with stormwater components such as water quality design and Best Management Practices.





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WASTEWATER PROJECT EXPERIENCE

At Robinson Engineering, Ltd. (REL), delivering successful, cost-effective wastewater treatment solutions is something we have done for years. We offer the full range of services for wastewater projects, from planning and design through construction and operation. For sewer systems, not only do we design collection systems and lift stations and conduct infiltration/inflow studies, we also provide surveying, right-of-way acquisition support, wetland delineation, permitting, and master planning services.

REL has extensive experience in working with a wide range of wastewater treatment processes. Our unmatched team of engineers has project experience that has enabled us to provide our clients with highly customized solutions to their wastewater treatment challenges. We strive to provide cost-effective, custom solutions to wastewater treatment issues that support the environment, meet our client's unique requirements, and comply with regulatory requirements.

We understand the issues our client communities face with the ever increasing demand for new and expanded plants, aging infrastructure, and environmental and regulatory requirements. With our unparalleled expertise in wastewater engineering, we help take our client's projects from concept to construction, from initial objective to full operation.

KEY SERVICES

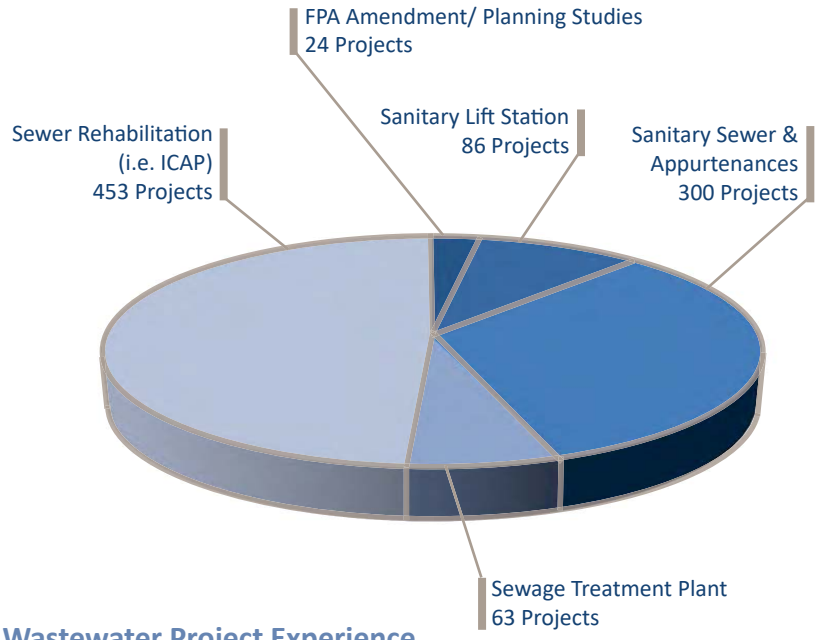
- SCADA Systems
- Lift Station Design
- State Funding
- Master Planning
- Federal permitting/Reporting
- Treatment Plant Design/Construction
- Collection System Design/Construction
- House to House Inspections
- Sewer System Evaluation Surveys
- Inflow & Infiltration Analysis
- Funding Application Assistance
- Flow Monitoring
- Smoke Testing
- Dyed Flood Testing
- Sewer Televising

RELATED SERVICES

- Water
- Environmental health and safety audits
- Compliance permitting
- Grants/funding requests





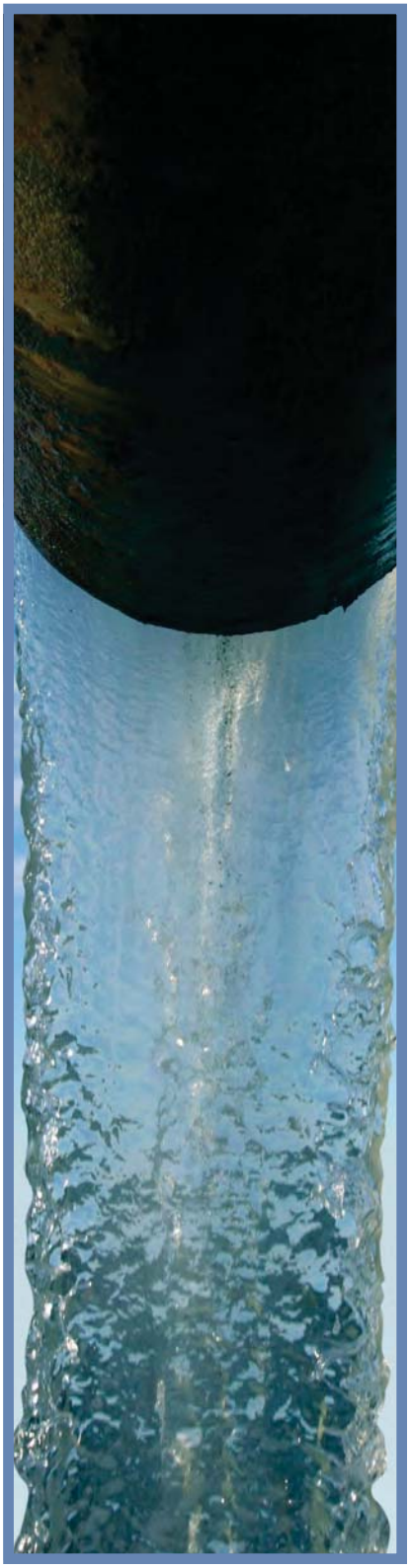


Wastewater Project Experience Since 2000

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WATER PROJECT EXPERIENCE



Robinson Engineering, Ltd. (REL) brings a reputation for excellence to our extensive water supply, treatment and distribution capabilities. For more than 75 years, we have assisted our clients with providing safe, reliable and secure water supplies. We understand that as the risks of contamination and diminishing reserves multiply, new answers must be produced to complement traditional solutions.

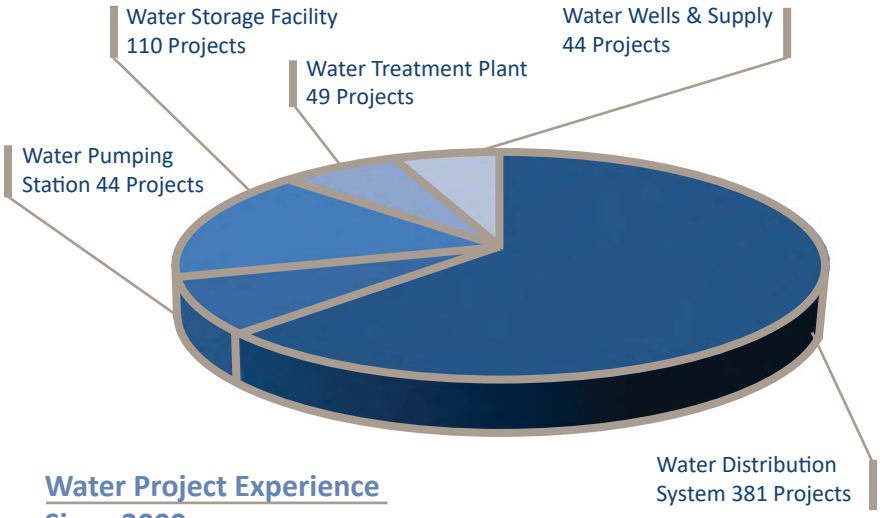
Our client communities rely on us to help them support growth, answer regulatory challenges and manage aging systems. We offer sustainable solutions from surface and groundwater supply studies to design and rehabilitation of treatment, storage, pumping, and distribution facilities. By blending technology with experience, our engineers balance fiscal responsibility and environmental concerns.

KEY SERVICES

- Water System Engineering
- Water Loss Minimization Studies
- Water Storage Facilities
- Water Distribution
- Pumping Stations
- Treatment Plant Evaluation
- SCADUS Systems
- Construction Management
- O&M manual preparation
- Energy Audits
- Permitting/Reporting
- Hydraulic Modeling
- Grant & Loan Applications
- System Start-up
- Rate Studies

RELATED SERVICES

- Wastewater
- Water resources
- Compliance permitting
- Grants/funding requests



Water Project Experience Since 2000

INFRASTRUCTURE MANAGEMENT

Our team of professionals brings a depth and breadth of experience, partnering with Public Works staff, offering daily municipal infrastructure services that help optimize operations.





SERVICES

- Partner with Public Works Departments
- Municipal Water & Wastewater Systems Operations, Maintenance, and Management
- Solutions & Staffing for Compliance Challenges
- Utility Billing Services
- Corrosion & Coating Inspections

CREDENTIALS

- Licensed Professional Engineers
- Licensed Water System Operators
- Licensed Wastewater Collection System Operators
- Licensed Wastewater Treatment Plant Operators
- NACE Certified Coating Inspectors

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PROFESSIONAL CONSTRUCTION SERVICES

KEY SERVICES

- As Built Preparation
- Contractor Payout Review
- Pressure Testing and Chlorination
- Materials Testing
- Proof Roll Inspections
- Construction Layout & Staking
- Construction Observation and Inspection

PRE-QUALIFIED WITH:

- Cook County Dept. of Transp. & Highways
- Illinois Department of Transportation
- Illinois State Toll Highway Authority
- Will County Highway Department
- Illinois Capital Development Board
- Illinois Environmental Protection Agency
- U.S. Army Corps of Engineers
- Indiana Department of Transportation
- Lake County Highway Department





The entire Robinson Engineering, Ltd. (REL) team works to lead a rigorous, collaborative process with which to make sustainable, functional and inspiring projects that serve the public interest, while providing excess value to our client communities.

Our 45-member construction engineering department performs construction staking and layout, inspection and documentation for over $100 million in construction work on behalf of Chicagoland municipalities each year. Our construction experience, superior field communications, and respected working relationship with area contractors ensures that projects are constructed on time, on budget, and to the quality demanded by our clients. Our experienced team is dedicated to assisting our public clients achieve their goals, and is fully capable of providing the entire array of construction engineering services

Robinson's expertise and attention to detail is evidenced by the large number of referrals and repeat customers through the years.



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PROFESSIONAL LAND SURVEYING

KEY SERVICES

- ALTA/NSPS Surveys
- Engineering Topographic Surveys
- Boundary Surveys
- Commercial/Industrial Surveying
- Construction Layout & Staking
- Easement Exhibits
- Elevation Certifications
- GPS and GNSS Control Surveys
- Hydrographic Surveys
- Landfill Grading & Volumetric Calculations
- Plat of Subdivisions
- Route Surveys
- ROW Land Acquisitions

RELATED SERVICES

- Drafting Services (CAD)
- Geographical Information Services (GIS)
- Geometric Site Design
- Drainage System & Detention Facility Design

Robinson Engineering's professional land surveying staff offers ongoing quality services to municipalities, transportation/highway departments, sanitary districts, natural gas pipeline companies, roadway contractors, wind turbine farm developers, and commercial developers.

Our field crews use fully robotic total stations, GPS and GNSS devices to conduct measurements; AutoDesk Civil 3D, Trimble Business Center, and Bentley MicroStation in the office to provide the complete range of surveying services listed to the left.

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Relevant Project Experience

Project / Client	Water Main Improvements / Village of Tower Lakes
Scope of Work / (Contractor) / Client POC	**Design Engineering. Resident Engineering.** Prepared Phase II Civil Contract Plans, abandonment of old 2.5" and 4" water main, installation via directional drilling of new 8" (7,800 LF) and 6" (1,000 LF) PVC water main; Phase III construction engineering for all operations during installation of new water main and components. Coordinated planning and design elements with IDOT, Lake County Department of Transportation, Lake County Stormwater Management Commission, IEPA, and the Village. Evaluated right-of-way impacts on residential properties; prepared IEPA permits for all work, prepared IEPA loan application and all necessary submittals for loan approval. REL will provide construction engineering services for the construction phase. Village of Tower Lakes, David Parro, Mayor, (847) 526.0488
Project Team	Steve Zehner, PE, LEED-AP - Project Manager, Greg Gruen, PE; Jairo Rodriquez - Resident Engineering
Construction Cost / Fee / Year	$1,900,000 - water main; $1,200,000 - iron removal / $362,000 design & construction fee / 2017 / Construction begins November 1, 2017

Project / Client	Sumac Road Pavement Reconstruction and Storm Sewer Improvement / City of Highland Park
Scope of Work / (Contractor) / Client POC	**Design Engineering. Stormwater Engineering. Wastewater Improvements. Resident Engineering.** Provided design and construction engineering for reconstruction to develop a storm sewer alignment to address potential conflicts with sanitary sewer and water main service; new main-drain storm sewer system; pavement reconstruction, lead watermain service replacement; CIP for existing sanitary sewer; sanitary laterals and water main service adjustments. Phases II & III / Emmanuel Gomez, PE, City Engineer (847) 926-1145
Project Team	Harry Gilmore, Jr., PE - Project Manager, Jairo Rodriquez - Resident Engineering
Construction Cost / Fee / Year	$695,500 / $92,300.00 / 2016

Project / Client	Uptown Square - Downtown Redevelopment / Village of Romeoville
Scope of Work / (Contractor) / Client POC	**Design Engineering. Stormwater Engineering. Wastewater Improvements. Resident Engineering.** Historical downtown was 40 acres along Route 66 (IL 53) at Normantown Road, core infrastructure had decayed, project was part of 10-year downtown redevelopment plan. Village created a TIF district, constructing 75,000 square foot Edwards Hospital Athletic and Event Center. REL assessed all aspects of existing infrastructure, surveyed, designed, and oversaw construction of over $5M, including 1 mile road reconstruction, new water and sanitary sewers, worked with Village & outside consultant to obtain USEPA Brownfield Clean-Up Grant, stormwater management to alleviate existing flooding issues, worked with landscpae architects, design and oversight for site civil for commercial building development. Dawn Caldwell, Assistant Village Manager, (815) 886-7200
Project Team	Joel Drabicki, CFM - Project Manager
Construction Cost / Fee / Year	Underground Utilities $2,200,000; Roadway $1,200,000; Landscaping / Site Amenities $1,400,000 / 2013-2014

Project / Client	143rd Street and Lemont Road Federal-Aid Intersection / Village of Homer Glen
Scope of Work / (Contractor) / Client POC	**Design Engineering. Resident Engineering.** Pavement reconstruction and intersection channelization, providing separate left turn lanes in all directions and separate right turn lanes in three directions. Replaced temporary signals with a traffic-actuated, traffic signal including emergency vehicle pre-emption capabilities. Roadway lighting along all four approaches to the intersection. Federally funded, with local funding participation by the Village of Homer Glen as well as the Will County Division of Transportation. Multi-stage maintenance of traffic plans. REL provided Phase I Preliminary Engineering, Phase II Design Engineering, and Phase III Construction Engineering Services. George Yukich, Mayor, (708) 301-0632
Project Team	Harry L. Gilmore Jr., PE - Project Manager
Construction Cost / Fee / Year	Est. $3,100,000; Bid $2,355,000 / $758,1000 / 2015

Project / Client	Pulaski Road Street Lighting / Village of Alsip
Scope of Work / (Contractor) / Client POC	**Design Engineering. Resident Engineering.** federally funded high priority project. One- mile improvement provided updated street lighting and striping improvements on main arterial in business districts. included topographic survey, right-of-way determination, and Phase I and II engineering services for the IDOT awarded contract. The project used federal funding in the form of a High Priority Project (HPP) administered by the Southwest Council. John D. Ryan, Mayor, (708) 385-6902
Project Team	David W. Shilling, PE - Project Manager
Construction Cost / Fee / Year	$1,200,000 / 2013

Project / Client	Forest View Avenue Reconstruction / City of Wood Dale
Scope of Work / (Contractor) / Client POC	**Design Engineering. Construction Engineering.** REL provided design and construction engineering for the reconstruction of the roadway and storm sewer installation. The project incorporated a main line storm sewer with multiple discharge locations to adjacent wetlands and floodplain. The project included minor temporary wetland impacts which required permitting through DuPage County and US Army Corps of Engineers. Matt York, Public Works Director, (630) 787-3765
Project Team	Mark A. Wesolowski, PE, CFM - Project Manager
Construction Cost / Fee / Year	$1,280,000 / $185,000 / 2017

Project / Client	Ward 3 – Storm Sewer Improvements Prospect Ave. & Potter St. & Park Ln. / City of Wood Dale
Scope of Work / (Contractor) / Client POC	**Design Engineering. Construction Engineering.** Design and construction engineering was provided by REL for the installation of storm sewer improvements along Prospect Avenue from Irman Dr to Potter Street and along Park Lane. The storm sewer design was based on the recommendations of the city-wide drainage study to help alleviate frequent ponding and drainage issues. Matt York, Public Works Director, (630)787-3765
Project Team	Mark A. Wesolowski, PE, CFM - Project Manager
Construction Cost / Fee / Year	$360,000 / $79,000 / 2016

Project / Client	Downtown Drainage Improvements North Street - Phase I / Village of Manhattan
Scope of Work / (Contractor) / Client POC	**Design Engineering. Stormwater Engineering. Resident Engineering** Stormwater regulations were not in place when the downtown was developed (1866), streets were constructed without curb and gutter or storm sewer. Phase I included trunk line installation with the ultimate outlet to the Unnamed Tributary to Manhattan Creek. North Street is under IDOT jurisdiction, coordinated the proposed storm sewer and roadway design with the Local Roads office and secured State funds for a portion of the project. Proposed design considerations/challenges included: 1) obtaining drainage easements from property owners, 2) determining the design for a downtown area with no apparent overland flow path, 3) location and depths of existing utilities within the right-of-way, 4) potential impacts to the mature trees 5) incorporation of on-street parking, and 6) sump pump connection to the new sewer. Kevin Sing, Village Administrator, (815) 418-2051
Project Team	Van Calombaris, PE - Project Manager; Carrie A. Pintar, PE, CFM, CPESC
Construction Cost / Fee / Year	$2,100,000 / $236,000 for Design and $132,000 for Construction Engineering /2013-2014

Project / Client	IL Route 83 & 3rd Street Lift Station / City of Elmhurst
Scope of Work / (Contractor) / Client POC	**Design Engineering. Stormwater Engineering. Wastewater Improvements, Resident Engineering.** REL was enlisted to relocate and replace a sanitary sewage lift station. Previous "dry-pit" station, located on IL Route 83, presented safety hazards. REL repaired the complete design of the lift station; design incorporated an easily accessible wet well with submersible pumps, and a Supervisory Control and Data Acquisition (SCADA) system enabling it to be supervised and operated remotely. An existing nearby stormwater pump station was also integrated into the City's SCADA system via the new lift station's control equipment. Other critical elements: standby generator; relocating the lift station within the residential community; higher efficiency pumps; preparing site plan that did not impact adjacent floodplain. Dan Rosenwinkel, Water/Wastewater Superintendent, (630) 530-3099
Project Team	Steven G. Zehner, PE, LEED AP - Project Manager; James M. Czarnik, PE - Coordinator
Construction Cost / Fee / Year	$1,300,000 / $140,000 - design & construction fee / 2015

Project / Client	171st Street & 80th Ave Force Main Replacement / Village of Tinley Park
Scope of Work / (Contractor) / Client POC	**Design Engineering. Wastewater Engineering. Resident Engineering** REL assisted the Village with the design and MWRDGC permit coordination for the replacement of approximately 2,200 feet of a 40-year-old 20-inch force main. The existing force main was located completely under the concrete roadway under the jurisdiction of the Cook County Highway Department making it expensive to repair during main breaks. The proposed alignment included crossing under 80th Avenue via augering construction methods, continuing down 171st Street under a proposed landscaped median, and connecting to the existing force main 1,700 feet east near Ozark Avenue. Project included: Coordination and permitting with the CCHD & MWRDGC, Alignment of proposed pipe in the median, Coordination with landscape architect to convert paved median to landscaped median as part of the project, Alternate pipe material bid coordination, filling of abandoned force main to improve stability and reduce risk of sinkholes. Kevin Workowski, Public Works Director, (708) 444-5500
Project Team	Jennifer S. Prinz, PE - Project Manager
Construction Cost / Fee / Year	$1,400,000; Design fee- $89,000; Construction observation fee- $66,000; Material testing- $5,800 / 2013

Project / Client	Well 5 Booster/Chemical Feed Station System Improvements / Village of Tower Lakes
Scope of Work / (Contractor) / Client POC	**Design Engineering. Resident Engineering. IEPA Loan Administration** The Village chose to install iron removal treatment to enhance drinking water quality. The project consisted of the installation of a multiple chamber pressure filter and associated valves and piping, re-piping to accommodate the filters, pre-chlorination, aeration, backwash line, backwash holding/settling tank and recycle line with pump. Keno & Sons Construction Company. Paul Kierig, Trustee (Public Works), (847) 526-0488
Project Team	Gregory S. Gruen, PE - Project Manager; Paul R. Ruscko, PE
Construction Cost / Fee / Year	$1,150,000 / $223,000 design & construction fee / 2017-2018

Project / Client	Pretreatment Program Implementation / City of Wood Dale
Scope of Work / (Contractor) / Client POC	**Wastewater Engineering.** The City retained REL to assist with the USEPA mandated Pretreatment Program beginning in 2015. The goals of the City's Pretreatment Program are to: - Prevent interference of the WWTP; - Prevent introduction of pollutants that could pass through the WWTP; - assist the City with attracting future industrial and commercial users; - Reduce annual program costs. REL is currently in the process of updating the Local Limits, Pretreatment Ordinance and Enforcement Program. Several key REL staff have been involved with developing and updating Pretreatment Programs for many years and overseen the construction several pretreatment systems. Brad Kittleson, Water/Wastewater Superintendent, (630) 787-3782
Project Team	Steven G. Zehner, PE, LEE AP - Project Manager, Jacob Wellbank, PE, Jon Flowers, PE, Don Lamb, EI
Construction Cost / Fee / Year	$82,000 - 2015; $84,000 - 2016; in progress - 2017

Project / Client	New Watershed Management Ordinance Infiltration and Inflow (I/I) Reduction / Metropolitan Water Reclamation District (MWRD)
Scope of Work / (Contractor) / Client POC	**Wastewater Engineering. SSES.** *Smoke Testing, GIS Mapping Updates, Manhole Inspections, External Home Inspection.* In July of 2014 the Metropolitan Water Reclamation District (MWRD) adopted a new Watershed Management Ordinance (WMO). This new ordinance requires all the satellite communities with separate sanitary sewer systems to reduce infiltration and inflow (I/I). The main goal is to reduce basement backup (BBs) and sanitary sewer overflows (SSOs), The reduction in SSOs and BBs throughout a multi-year process. REL represents approximately 22% of all the communities tributary to the MWRD. REL was invited to the MWRD planning process and were part of the Technical Advisory Group (TAG) that formulated the WMO. Between May and November of 2016, Robinson Engineering, Ltd. (REL) has completed smoke testing, GIS Mapping updates, manhole inspections and external home inspections in all municipalities.
Project Team	Thomas E. Nagle - Project Manager, PE, Rodney Phillippi
Construction Cost / Fee / Year	Ongoing

Project / Client	Elgin O'Hare Western Access (EOWA) / Village of Itasca
Scope of Work / (Contractor) / Client POC	**Resident Engineering.** Phase III. Coordination with Tollway Construction Corridor Manager (CCM) and individual Tollway Construction Managers (CM's) of seven (7) separate EOWA contracts that were located within the Village of Itasca boundries. Observations were completed relating to all Viilage infrastrucre reconstructions and new construction relating to local collectors and arterials including new or adjusted enclosed storm sewers, box culvert construction, street lighting and collateral work; approximately 7500 LF of Village collector/arterials were reconstructed or new construction. EOWA contract work included installations, re-alignments relating to sanitary sewer (including reviewing all required testing/televising), watermain (including all pressure testing and chlorination reviews). approximately 4900 LF of new sanitary sewer installed, 7200 LF of watermain. Ross Hitchcock, Director of Public Works, (630) 773-0835
Project Team	John J. Beissel, PE - Project Manager; Resident Engineers: Robert Borchering, PEI, Regan Rice, David Barnas, PE, Jairo Rodriquez (Project Engineer)
Construction Cost / Fee / Year	$11,000,000 (Village of Itasca Infrastructure)/$1M/2015-2017

Project / Client	U.S. Route 30 at Kostner Avenue / Village of Matteson
Scope of Work / (Contractor) / Client POC	**Design Engineering. Resident Engineering.** Preliminary Engineering Phase 1 - Complete, Final Engineering Phase 2 - Complete, and Construction Engineering Phase 3 – In progress. Intersection Improvement: traffic signal modernization, improved channelization, roadway reconstruction, including dedicated turn lanes and turn lane extensions, Drainage design for the intersection, providing for an urban cross section. A 10-Foot bituminous multi-use path extends from Lincoln Highway south, to re-establish a link to the Old Plank Trail, south of this intersection. Route 30 is under State jurisdiction. 2013 ADT on US Route 30 was 31,200, with CMAP projected 2040 ADT of 40,000. Phase I, II & III Preliminary Engineering, Right of Way documentation, plats, legals and coordination with two pipelines, provide for grades and curb ramps conforming to ADA guidelines and provided Construction Engineering. Brian Mitchell, Village Manager, (708) 753-2400
Project Team	Pat Barker, PE - Project Manager; Kevin McGuffin, Robert Gamboa and Scott Ranger - Engineering Survey; Randall Gann and Brad Leuders - Land Survey, Richard Gondek, Peter Stepanovic and Andy Gulden -Drafting; Ernest Roberts – Municipal Engineer; James Hus and Erik Alvarez – Design Engineer
Construction Cost / Fee / Year	$1,100,000 / design fees Phase 1: $100,000; Phase 2: $180,000; Phase 3 (Construction Engineering): $118,000 / 2017

Detailed project profiles included on the following pages:

Project / Client	Downtown Area Improvements – North Half / Village of Bensenville
Scope of Work / (Contractor) / Client POC	**Design Engineering. Resident Engineering**. Mehul Patel, Assistant Director of Public Works-Engineering, (630) 594-1196
Project Team	Mark A. Wesolowski, PE, CFM - Project Manager
Construction Cost / Fee / Year	$2,174,000 / $122,950 (includes $7,700 in subs) / Under Construction 2017

Project / Client	Joe Orr Road Reconstruction East of Stony Island Ave. to Torrence Ave. / Village of Lynwood
Scope of Work / (Contractor) / Client POC	**Design Engineering. Resident Engineering** Bob Myers, Public Works Director, (708) 597-8603
Project Team	William P. Dolan, PE, CFM, PTOE - Project Manager
Construction Cost / Fee / Year	$7,000,000 / Stage I - 2012; Stage II - Tentative 2018

Project / Client	Vollmer Road & Railroad Bridge Reconstruction / Village of Olympia Fields
Scope of Work / (Contractor) / Client POC	**Design Engineering. Resident Engineering** David Mekarski, Village Administrator, (708) 503-8000
Project Team	Patricia K. Barker, PE - Project Manager
Construction Cost / Fee / Year	$45,000,000 Construction / Phase I Engineering $1,000,000 / In Progress

Project / Client	Center Street Reconstruction 171st Street to 159th Street / City of Harvey
Scope of Work / (Contractor) / Client POC	**Design Engineering. Resident Engineering.** Mike Porfirio, Public Works Director, (708) 594-2525
Project Team	Patricia K. Barker, PE/Will Dolan, PE, CFM, PTOE - Project Management; Sean P. Kelly, PE, CFM, CPESC, Jon Dykstra, James Hus, Jr., PE
Construction Cost / Fee / Year	$9,500,000 / Phase I: $481,000; Phase II & III: $486,000 / 2015

Project / Client	71st Street Grade Separation At CSX/IHB Railroad / Village of Bridgeview
Scope of Work / (Contractor) / Client POC	**Design Engineering. Stormwater Engineering. Resident Engineering.** Mike Porfirio, Public Works Director, (708) 594-2525
Project Team	Patricia K Barker, PE, CFM - Project Manager
Construction Cost / Fee / Year	$22,000,000 / 2013

Project / Client	South Side Drainage Study / Village of Itasca
Scope of Work / (Contractor) / Client POC	**Design Engineering. Stormwater Engineering. Resident Engineering** Ross Hitchcock, Director of Public Works, (630) 773-0835
Project Team	Sean P. Kelly, PE, CFM, CPESC - Project Manager
Construction Cost / Fee / Year	$2,180,000 /2015

Project / Client	Wastewater Treatment Plant Improvements / Village of Itasca
Scope of Work / (Contractor) / Client POC	**Construction Engineering. Wastewater Engineering.** Jeff Kindermann, WWTP Operator, (630) 530-3099
Project Team	Steven G. Zehner, PE, LEE AP - Project Manager
Construction Cost / Fee / Year	$6,000,000 - Construction Engineering / 2018 (Anticipated)

Project / Client	South Wastewater Treatment Plant Evaluation / City of Wood Dale
Scope of Work / (Contractor) / Client POC	**Wastewater Engineering.** Matt York, Public Works Director, 630-787-3765
Project Team	Richard Leber - Project Manager, Paul Ruscko, PE, Jim Czarnik, PE
Construction Cost / Fee / Year	$26,500 - study fee / 2017

Project / Client	West Side Inerceptor Sewer / Village of Coal City
Scope of Work / (Contractor) / Client POC	**Design Engineering. Wastewater Engineering.** Matt Fritz, Village Administrator, (815) 634-8608
Project Team	Sean P. Kelly, PE, CFM, CPESC
Construction Cost / Fee / Year	$1,360,000 / 2014

Project / Client	Hamilton Lakes SSA Resurfacing / Village of Itasca
Scope of Work / (Contractor) / Client POC	**Resident Engineering.** Mike Subers, Utilities Superintendent, (630) 530-3099
Project Team	Aaron E. Fundich, PE - Project Manager Robert Borchering, EI, CPII - Project Engineer
Construction Cost / Fee / Year	$2,600,000 / 2014

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VILLAGE OF BENSENVILLE, IL

Downtown Area Improvements - North Half

CLIENT CONTACT
Mehul Patel
Assistant Director of
Public Works-Engineering
(630) 594-1196

PROJECT MANAGER
Mark A. Wesolowski, PE, CFM

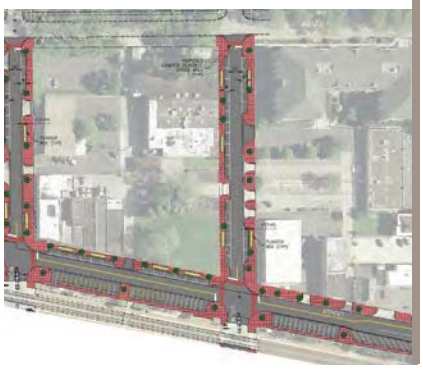
CONSTRUCTION COST
$2,174,000

YEAR COMPLETED
Under Construction 2017



PROPOSED TYPICAL SECTION
STREETSCAPE IMPROVEMENTS





The Village of Bensenville had been considering the beautification of the Downtown Area of the Village for many years.

Robinson, in conjunction with a Landscape Architect, worked with the Village to develop a Transportation Enhancement and Streetscape design to beautify and enhance the downtown area of the community. An overall plan was developed that encompassed the area between Addison Street and York Road from Roosevelt Street to Green Street.

The North Half of the project consisted of reconstruction of Addison Street and Center Street from Roosevelt Street to Main Street, resurfacing of Main Street and sidewalk enhancements along Addison Street, Center Street, Main Street and York Road. As part of the enhancements, the roadway widths were narrowed to promote slower traffic, while the sidewalk areas were widened to enhance and promote safer pedestrian usage.

The project consists of various streetscape improvements including decorative concrete, landscaping, pedestrian cross walks, public benches and other scenic beautification improvements to establish and enhance the atmosphere for pedestrians and motorists which will enrich the aesthetic value within the Village.

To further enhance pedestrian usage and alternative modes of transportation, trash receptacles and bicycle amenities are also included in the design.

The project has been bid and is currently under construction with completion anticipated this fall.

KEY PROJECT ELEMENTS

- Develop overall Downtown Area beautification options
- Design of reconstruction of roadways and associated drainage elements
- Design of Streetscape enhancements
- Design of water main and storm sewer
- Prepared design plans and administered bid process

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VILLAGE OF LYNWOOD, IL

Joe Orr Road Reconstruction
East of Stony Island Ave. to Torrence Ave.

CLIENT CONTACT
Bob Myers
Public Works Director
(708) 597-8603

PROJECT MANAGER
William P. Dolan, PE, CFM, PTOE

STAGE I CONSTRUCTION COST
$7,000,000

YEAR CONTRACT AWARDED
Stage I - 2012
Stage II - Tentative 2018







The Village of Lynwood has been planning the extension of Joe Orr Road from East of Stony Island Avenue to Burnham Avenue since the 1990's. The new roadway promotes residential, commercial and light industrial development along the corridor. The Village also envisions a new Town Center along this new Joe Orr Road Corridor.

The Phase I & II Engineer services have been completed for the first segment of Joe Orr Road from East of Stony Island Avenue to Torrence Avenue. The first stage of construction was completed November, 2012 for $7 million and included the construction of two thru lanes in each direction separated by a landscaped median/left turn lane. The improvements also included new storm sewers, storm water detention sites to minimize flooding along the corridor and a new traffic signal at the Torrence Avenue intersection. Engineering services also included the preparation of right-of-way plats for 70 tracts of land.

This first stage was a successful collaborative effort between the Village, Cook County Department of Transportation and Highways, IDOT, FHWA, residents and other stakeholders.

Contract plans are currently being prepared for Stage 2 – Torrence Avenue to Burnham Avenue, for 2018 construction. Phase 1 Engineering is also in process for the further extension of Joe Orr Road from Burnham Avenue to Sheffield Avenue in Munster, Indiana. Completion of this entire corridor will result in an alternative route for daily commuters traveling from Indiana to IL-394; enhancing the safety and travel for motorists, while at the same time providing more opportunities for the economic development of the area.

KEY PROJECT ELEMENTS & RESULTS

- Constructed a roadway extension between major thoroughfares
- Created an alternative, efficient and safer east-west access route through the Region
- Replaced a 2 lane rural cross section with a 5 lane urban cross section with an enclosed drainage system, together with stormwater detention basins
- Enhancement of economic development opportunities

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VILLAGE OF OLYMPIA FIELDS , IL
Vollmer Road & Railroad Bridge Reconstruction

CONTACT
David Mekarski
Village Administrator
(708) 503-8000

PROJECT MANAGER
Patricia K. Barker, PE

CONSTRUCTION COST
$45,000,000
Phase I Engineering $1,000,000

YEAR COMPLETED
In Progress







Robinson Engineering, Ltd. (REL) is completing a Phase I Engineering Study, which began in 2015, for this safety and regional mobility improvement. Due to the limited east-west corridors available in this area with railroad crossings, Vollmer Road has become a primary route both for vehicles and freight. The average daily traffic on this two-lane roadway has grown to 22,650, with projected 2040 ADT of 26,000. The existing viaduct has a limited vertical clearance of 11'9" which prohibits many trucks from passing under the structure. The frequent structure hits and traffic delays related to backing trucks away from the viaduct has become a significant regional problem that impacts traffic flow on a daily basis. The Phase I Study is for four-lane roadway reconstruction with improved vertical clearance, as well as reconstruction of the CN/Metra Railroad bridge over Vollmer Road.

KEY PROJECT ELEMENTS

REL was hired to perform Phase I engineering services

- Vertical clearance of 14'9" to meet current standards
- Preliminary engineering for an efficient one-mile east-west corridor for the Village
- Increase capacity on Vollmer Road from two-lanes to four-lanes to meet traffic demands
- New grade-separated pedestrian and vehicular crossing at CN/METRA Railroad with better access to emergency services. Currently there are no pedestrian facilities provided on Vollmer Road, near the Metra Commuter Station.
- Coordinated planning and design elements with Cook County Department of Transportation and Highway Department, IDOT, Federal Highway Administration, Interstate Commerce Commission, Villages of Olympia Fields and Flossmoor; Olympia Fields Park District.
- Stakeholder meetings to provide project contact sensitive solutions, minimizing impacts
- Evaluated right of way impacts on commercial, park district and residential properties
- Complete environmental study
- Complete location drainage study and hydraulic study
- Evaluate wetland impacts and compensatory storage requirements. Preliminary US Army Corps and MWRD documentation for permitting at Butterfield Creek.
- Design closed drainage system. Evaluate pump station requirements.

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CONTACT
Jennifer Killen
Assistant Superintendent
Cook County Department of
Transportation & Highways
(312) 603-1600

PROJECT MANAGER
Will Dolan, PE, CFM, PTOE

CONSTRUCTION COST
$9,500,000

CONSTRUCTION
2015



AFTER



BEFORE



BEFORE

CITY OF HARVEY, IL

Center Street Reconstruction
171st Street to 159th Street

Over the years, Center Street in Harvey has developed into a major Industrial Corridor. The growth and development in this area include the Canadian National (CN)-Chicago Logistic Park, an intermodal facility at 170th Street, several prominent industrial sites such as Allis Chalmers Energy, AGCO- a leading manufacturer in the area and the UPS Distribution-Customer Center at 170th Street. More than 8,000 trucks travel this road daily. The CN Intermodal facility is targeted to generate more than one million lifts annually.

Robinson Engineering, Ltd. in conjunction with the City of Harvey and Cook County Department of Transportation and Highways (CCDOTH) completed the 1.5 mile reconstruction of Center Street from 171st Street to 159th Street (US Rte. 6) to a level compatible with the projected volume of traffic. The project upgrades this significant regional industrial corridor. Completed construction of this roadway provides full-depth concrete pavement and dedicated left turn lanes at each intersection and the Intermodal facility along this corridor. Improvements include an enclosed drainage system and widened railroad crossings. This project was a successful collaboration between Cook County, the Illinois Department of Transportation (IDOT), CN Railroad and the industrial and commercial stakeholders.

Funding included Federal Transportation funds through the South Suburban Mayors and Managers Association (SSMMA) in addition to CCDOTH Motor Fuel Tax (MFT) funds.

KEY PROJECT ELEMENTS

- Phase I and II Engineering for the corridor
- Coordinated planning with IDOT, Federal Highway Administration (FHWA), Interstate Commerce Commission (ICC), CCDOTH, and the City of Harvey
- Implemented planning and design elements with CN Railroad and CCDOTH
- Prepared CN Railroad and IEPA permits
- Evaluated right-of-way impacts on commercial and residential properties; prepared all right-of-way documentation, including plats and legals
- Provided full depth concrete pavement on Center Street
- Enclosed drainage system for roadway, converting from rural to urban cross section
- Addition of traffic signal at 167th Street, and dedicated left turn lanes at major traffic generators, thereby increasing safety
- Culvert extension and U. S. Army Corps of Engineers permitting

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VILLAGE OF BRIDGEVIEW, IL
71st Street Grade Separation At CSX/IHB Railroad

CLIENT CONTACT
Mike Porfirio
Public Works Director
(708) 594-2525

PROJECT MANAGER
Patricia K Barker, PE, CFM

CONSTRUCTION COST
$22,000,000

YEAR COMPLETED
2013







Robinson Engineering, Ltd. (REL) prepared Phase II Civil Contract Plans for the 71st Street grade separation, utility relocation and roadway reconstruction at the CSX and Indiana Harbor Belt Railroads for the Village of Bridgeview. REL also provided Phase III construction engineering services for all of the roadway aspects of the project.

71st Street is a four-lane urban collector with an industrial park on the south, Toyota Park Stadium on the north, and residential areas to the southeast. This CREATE Project was selected for TIGER I federal funding.

KEY PROJECT ELEMENTS

- New grade separation pedestrian access and vehicular crossing at CSX and Indiana Harbor Belt Railroad. 4-track service provides 56 trains per day, with service to CSX Intermodal facility northeast of this location
- Phase II design of civil infrastructure, including pump station design relocation of Village utilities including 84” storm sewer and 16” and 8” water main crossings under the tracks
- Identify and coordinate utility relocations for Nicor gas mains, Commonwealth Edison, AT&T cable, Sprint and MCI fiber optic
- Coordinated planning and design elements with IDOT, Federal Highway Administration, Interstate Commerce Commission, Cook County Highway Department, and the Village of Bridgeview
- Design street lighting and underpass lighting for the grade separation
- Implemented planning and design elements with IDOT, Federal Highway Administration, CREATE, Railroads, Interstate Commerce Commission and Village of Bridgeview
- Evaluated right-of-way impacts on commercial and residential properties; prepared all required right-of-way, including plats and legals for 14 parcels
- Prepared railroad and IEPA permits for all work
- Provided Construction Engineering for all civil improvements



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CLIENT CONTACT
Matt York
Public Works Director
(630) 787-3765

PROJECT ENGINEER
Richard Leber

PROJECT COST
$26,000

YEAR COMPLETED
2017





CITY OF WOOD DALE, IL

South Wastewater Treatment Plant Evaluation

The City of Wood Dale retained REL to evaluate alternatives to treating wastewater at the South Wastewater Treatment Plant. The alternatives identified included:

1. Complete Rehabilitation of the South Treatment Plant;
2. Transfer all flow from the South Treatment Plant to the North Plant
3. Transfer all flow to the Addison Wastewater Treatment Plant located on Wood Dale Road

The South Treatment Plant has originally constructed in the 1960's and last had a significant upgrade in the 1980's. The South Treatment Plant is located within the Oak Meadows Golf Course which is owned and operated by the DuPage County Forest Preserve District. This course has recently undergone a major upgrade to improve the play of the course, minimize impacts from flooding and enhance environmental qualities of the Forest Preserve's property.

The City of Wood Dale is a partner in the DuPage River Salt Creek Workgroup (DRSCW). The DRSCW has negotiated with the IEPA to allow a period of ten years until the City's NPDES Permit will contain a requirement for phosphorus with a limit of 1.0 mg/L. The City will be required to conduct appropriate planning for this limitation in the five-year period preceding. A copy of the current NPDES permit issued to the City's South Treatment Plant is presented in the Attachments.

South Treatment Plant Alternatives

Comparison

Alternate	COST
South Treatment Plant Total	$7,946,000
Transfer to North Treatment Plant Total	$13,644,500
Transfer to Addison Total	$11,658,425

The lowest apparent cost of the three alternatives evaluated is for the City is to conduct a complete rehabilitation of the South Treatment Plant. This alternative will also allow the City to maximize any future growth that will be realized upon completion of I-390 by having a future North Treatment Plant expansion fully dedicated to such growth.

KEY PROJECT ELEMENTS

- Determine key plant deficiencies and project likely new effluent limitations.
- Evaluation of reasonable force main pathways and associated costs.

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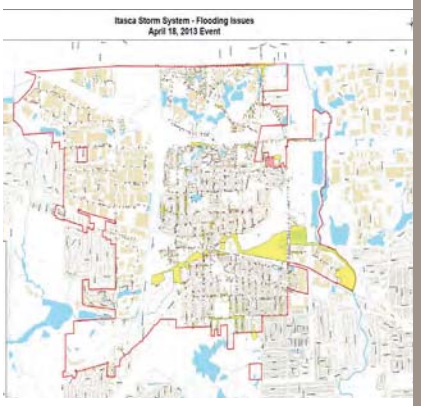
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CLIENT CONTACT
Ross Hitchcock
Director of Public Works
(630) 773-0835

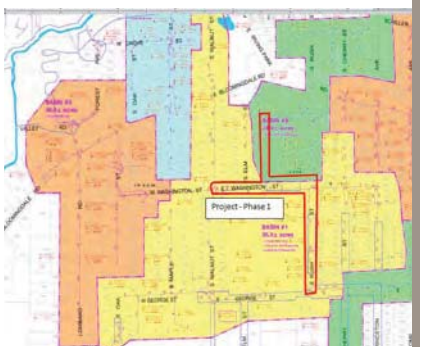
PROJECT MANAGER
Sean P. Kelly, PE, CFM, CPESC

CONSTRUCTION COST
$2,180,000

YEAR COMPLETED
2015







VILLAGE OF ITASCA, IL
South Side Drainage Study

The Village of Itasca has experienced chronic flooding of approximately 330 acres of residential area south of Springbrook Creek (the "south side"). In April 2011, the Village received a significant rainfall event that resulted in street and structure flooding in the area. The Village retained Robinson Engineering, Ltd. in 2013 to perform an analysis of the existing drainage system, to identify stormwater conveyance/detention deficiencies and recommend solutions to mitigate the on-going flooding concerns.

The South Side developed over many years; so much of the stormwater infrastructure was undersized and aged. Robinson worked with the Village to identify the hydraulic connectivity of the system to determine the "bottlenecks" and functional infrastructure that could be re-utilized to provide an improved drainage system. The south side study area was subdivided into drainage basins, tributary to the storm sewer trunks, with recommendations provided for the specific drainage basins. Because of the significant costs of the program, the improvements were phased to focus on the worst locations, addressing downstream bottlenecks first. The Village's intent is to build on the solutions to cost effectively maximize the flooding relief.

Following review of the drainage study, Village directed Robinson to design the first phase of the improvements. The design included more than 3,000' of 12"-36" storm sewer on three (3) streets, and re-utilized portions of the existing drainage system with interconnections to maximize the conveyance. The Phase 1 design was performed in late 2014 to early 2015, to allow for construction 2015. The project has been bid and is currently under construction with completion anticipated this summer.

KEY PROJECT ELEMENTS

- Determine functionality and hydraulic connectivity of the existing system – some uncertainty to overall drainage patterns at start
- Evaluation for detention storage in highly built-out residential area
- Reuse of existing storm sewer network to maximize benefit and control costs
- Limitations for outlet improvements to Springbrook Creek due to County regulations
- Interconnection with overland flow in Songbird Slough, south residential area
- Prepared design plans and administered bid process (Phase 1)
- Providing construction engineering services for Phase 1

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VILLAGE OF ITASCA, IL

Wastewater Treatment Plant Improvements

CLIENT CONTACT
Jeff Kindermann
WWTP Operator
(630) 530-3099

PROJECT MANAGER
Steven G. Zehner, PE, LEE AP

PROJECT COST
$6,000,000

YEAR COMPLETED
2019 (Anticipated)





The Village of Itasca retained Robinson Engineering, Ltd. (REL) to investigate the functionality of its recently designed and constructed 3.4 MGD wastewater treatment plant, which had experienced operational and performance issues since its initial start-up. Robinson experts interviewed Village staff, reviewed operating records, construction plans, basis of design and facilities planning documents and other technical elements related to the WWTP. In conjunction with Village staff, REL then developed a punch-list containing over 100 items for the Contractor and Design/Construction Engineer to address. In addition to a number of less critical issues, the REL review identified three primary problems requiring remediation/replacement:

- A UV disinfection system unable to meet compliance standards 100% of the time
- Chemical feed / sludge dewatering system that failed to meet the specified performance standards
- An incomplete SCADA system requiring excessive staff time to resolve operational issues

After the Village attempted to work with the Contractor and Design Engineer regarding the items on the punch-list for an extended period of time, these efforts failed and resulted in a lawsuit. Robinson aided the Village in identifying various expert witnesses, while also overseeing a design effort to remedy the three primary deficiencies above and preparing a $6 million IEPA low interest loan application for the remedial work.

A component of the loan application was an amendment to Itasca's Wastewater Facilities Plan, which Robinson prepared and used as the facilities plan for the loan. Construction of this project is anticipated to be underway in Fall 2017.

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VILLAGE OF COAL CITY, IL
West Side Interceptor Sewer

CLIENT CONTACT
Matt Fritz
Village Administrator
(815) 634-8608

PROJECT MANAGER
Sean P. Kelly, PE, CFM, CPESC

CONSTRUCTION COST
$1,360,000

YEAR COMPLETED
2014







During significant storm events, the sanitary flow combined with inflow and infiltration (I/I) into the Gordon Lift Station exceeded the capacity of the lift station and the receiving sanitary sewer. This issue was identified when homes in the tributary area experienced basement backups with associated property damage. Additionally, during an extreme wet weather event a sanitary sewer overflow occurred in this area that resulted in wastewater collecting in an adjacent storm water retention pond, which produced a threat to public health.

In order to identify a solution, the Village of Coal City authorized Robinson Engineering, Ltd. (REL) to conduct a flow study for the sanitary sewer collection system encompassing three basins tributary to the Gordon Street Lift Station. The locations were strategically chosen to measure existing sewer flow rates and determine the extent of I/I impacts on the sanitary sewer system. Results of the study revealed that wet weather flows exceeded the capacity of the sanitary sewer downstream of the Gordon Street Lift Station. The receiving sanitary sewer could only convey the flow from one of the two pumps running within the lift station.

The solution to the undersized infrastructure involved installing a new large diameter gravity sanitary sewer to replace the Gordon Lift Station. The new interceptor sewer eliminated the basement backups and sanitary sewer overflows that occurred during peak storm events. Additionally, the elimination of one of the Village's six lift stations significantly reduced the on-going operation and maintenance impacts to Village staff. Over 7,300 feet of sanitary sewer was installed ranging from 12 inches to 30 inches in diameter.

To facilitate the installation of new interceptor sewer, REL prepared a request for Facility Planning Area (FPA) expansion. The FPA expansion allowed the Village increase its service area and allow for appropriate sizing to avoid future capacity limitations to the new interceptor. Working with the Village and the regional planning agency, REL was also able to secure a $750,000 IKE Public Infrastructure Program Grant to help partially fund the project.

PROJECT RESULTS

- Grant funding secured to pay for over 55% of the project construction cost
- PVC pipe material was selected for the sanitary sewer to provide corrosion resistance and efficient flow characteristics
- Coordination with multiple regulatory agencies, utility companies, and IDOT to secure the necessary permits for the project
- Facility Planning Area (FPA) Expansion by 10,496 acres

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VILLAGE OF ITASCA, IL
Hamilton Lakes SSA Resurfacing

CONTACT
Ross Hitchcock
Director of Public Works
(630) 773-2455

PROJECT MANAGER
Aaron E. Fundich, PE

PROJECT ENGINEER
Robert Borchering, EI, CPII

CONSTRUCTION COST
$2,600,000

CONSTRUCTION
2014







The Village of Itasca is home to Hamilton Lakes Business Park, one of the most dynamic professional office employment locations in Illinois. Located at the northeast quadrant of I-290 @ Thorndale Avenue, the sprawling complex is home to more than 100 corporations and 15,000 employees, including a major hotel and multiple company headquarters. The business park contains approximately three miles of interior roadways that serve as major collector routes for the various buildings. In 2014, the Village with the cooperation of the majority of property owners in the complex formed a Special Service Area (SSA) for the purpose of financing much needed roadway resurfacing improvements.

KEY PROJECT ELEMENTS

Robinson was hired to perform Phase III construction engineering services for two contracts:

- A federally funded LAFO resurfacing project along Park Boulevard from Thorndale to Devon Avenue
- Locally funded resurfacing of Pierce Road and Windsor Drive. Bid as separate contracts and awarded to two separate contractors, the construction work for each proceeded simultaneously. Work included pavement patching, drainage improvements, structure adjustments, grinding and resurfacing, curb and gutter repairs, street light replacements and pavement markings. Robinson performed construction staking and layout, construction observation, quantities measurement, Quality Assurance inspections, IDOT project documentation and as-built drawing preparation.

Special concerns during construction included minimizing lane closures while maintaining driveway access for numerous large office complexes, coordination with multiple contractors and coordination with Illinois Tollway officials and contractors for the Elgin-O'Hare Expressway construction taking place along the south border of Hamilton Lakes.

Section 3

Qualifications of Professional Staff

Key Staff Experience

Name/Title	Years of Exp. / @ Firm	IDOT / Municipal Project Experience
Aaron E. Fundich, PE **Executive Vice President**	**28/28**	**Design Engineering. Stormwater Engineering. Wastewater Improvements. Resident Engineering.** Principal-in-Charge. Served as Village Engineer for 9 municipalities since 1990, including the Village of Itasca since 2012. Managed ICAP Sanitary Sewer Rehabilitation Dept. 1989-2000. Technical expertise in municipal water/sewer, I/I reduction, stormwater mgmt, federal transportation funding, bike trails. Written several municipal infrastructure master plans; Managing Partner DuPage County Office.
Steven G. Zehner, PE, LEED AP **Senior Project Manager**	**30/6**	**Design Engineering. Stormwater Engineering. Wastewater Improvements. Resident Engineering.** Project Manager/Client Liaison. Municipal engineering representative for Bensenville, Wood Dale, Itasca. Pretreatment systems expert serving numerous communities including Romeoville. Possesses excellent grasp of technical engineering issues with ability to communicate same with community staff and officials.
Mark Wesolowski, PE **Senior Project Manager**	**22/7**	**Design Engineering. Stormwater Engineering.** Water Main Design. Engineering Operations Manager, DuPage County Office. Specializes in Transportation and Stormwater infrastructure engineering. Provides Design and QA/QC for residential, commercial and roadway projects, ensuring development is in accordance with local and state codes. IDOT Documentation of Contract Quantities certified.
Albert K. Stefan, PE **Senior Project Manager**	**33/17**	**Design Engineering. Stormwater Engineering. Wastewater Improvements. Resident Engineering.** Project Manager/Client Liaison. Has served as Municipal Engineer for 9 communities; including project management from capital improvement planning and implementation through construction (streets, storm sewer, stormwater management, private development oversight, sanitary sewer, water and wastewater treatment facility, ordinance revision, grant procurement and overall engineering assistance).
Veronica Hall, PE **Senior Engineer**	**23/<1**	**Design Engineering.** Sr. Project Engineer / Water Design**.** Municipal Engineer specializes in water and wastewater systems engineering, including water main design, pump and lift station system design, sanitary sewer system rehabilitation and repairs, water system modeling analysis, and various related studies.
William P. Dolan, PE, CFM, PTOE **Senior Project Manager**	**18/15**	**Design Engineering.** Village Engineer for Alsip, East Hazel Crest, and previously 7 years for Merrionete Park. Design and manage over $50 Million in roadway infrastructure projects, motor fuel tax (MFT) and local funded improvements. Prepares andd manages Phase II pLans for STP, CMAQ, HSIP, ITEP, and various other locally funded projects.
Sean Kelly, PE, CFM, CPESC **Senior Project Manager**	**23/17**	**Stormwater Engineering.** Project Manager/Sr. Stormwater Engineer. Current Municipal Engineer for Lombard, serving previously for Palos Park, Minooka, and Coal City. Designs, manages and permits stormwater and floodplain management mitigation projects, including Letter of Map Revisions (LOMR) for floodplain determination. Has developed and utilized computer models to evaluate drainage and floodplain impacts for various agencies, including Departments of Transportation (DOTs)
Amy Storm Mckenna, PE, CFM **Senior Engineer**	**21/11**	**Stormwater Engineering.** Sr. Project Engineer / Water Design**.** Currently serves as an assistant municipal engineer for the villages of Downers Grove, Oswego, Itasca, and Romeoville with a focus on managing new and ongoing land development, including performing technical development reviews, representing clients during engineering negotiations with developers, and delivering related public reports.
Jonathan J. Dykstra, CFM **Senior Engineer**	**29/10**	**Stormwater Engineering.** Stormwater Engineering. Committee Chairman on the Will County Stormwater Committee. Extensive stormwater management experience. Leads drainage and floodplain related planning, analysis, and design for projects including hydrologic and hydraulic modeling, floodplain and floodway determinations, FEMA map revision support and watershed and feasibility studies. Conducts stormwater and floodplain management reviews for various municipalities.

Thomas E. Nagle, PE **Vice President** **Senior Project Manager** **SSES Department Manager**	**30/30**	**Wastewater Improvements.** SSES/Project Manager/QA/QC. Manages of the SSES Department. Serves as Municipal Engineer for Blue Island and Midlothian.. Holds Class C Water License. Has designed more than 10 water storage tanks/reservoirs, 25 pump stations, 12 wells/ water treatment facilities, dozens of water distribution projects. Expert in computerized water modeling, SCADA. Managed several award-winning projects, including Lift Station project.
James M. Czarnik, PE **Senior Project Manager** **Water/Wastewater Dept. Manager**	**20/15**	**Wastewater Improvements.** Project Manager**.** Multitude of water and wastewater infrastructure projects he has designed over his 20 year career, including: 10+ wastewater treatment plant rehabilitation projects; 20 water, wastewater, and stormwater pump station improvement projects; 20+ water and wastewater infrastructure evaluation studies; and over 5 miles of water main, sanitary sewer, and force main installation projects. Project Manager for $4M Jackson Creek Lift Station Rehab and forcemain.
Paul R. Ruscko, PE **Senior Project Manager**	**18/<1**	**Wastewater Improvements.** Stormwater Engineering. Served as Director of Public Works for the City of Woodstock and the Village of Lakewood. Instituted annual water main and water service valve maintenance program. Oversaw $11.3 M wastewater treatment plant expansion. Submitted applications and obtained permits/authorization/releases from USACE, IEPA, IDNR, IHPA, CMAP, McHenry County, etc., as required, IEPA Wastewater Treatment Works Operator, Class 4.
John J. Beissel, PE **DuPage Field Operations Manager**	**30/30**	**Resident Engineering.** Project Manager. 30-year career with the Cook County Department of Highways (CCDOTH). He was on the Chicago Metropolitan Agency for Planning (CMAP) Transportation Committee. Working out of the DuPage County office, he is working with the Village of Itasca as it relates to infrastructure impacts due to the Elgin O'Hare Expressway Project (ISHTA EOWA) and is supporting various client projects.
Robert W. Borchering, PEI **Resident Engineer**	**23/16**	**Resident Engineering.** Construction inspection and documentation of projects from $1.5 to $5 million, which includes underground utility installation and roadway improvements. Variety of environmental projects, including soil analysis, landfill studies and vegetation reclamation.Provided construction observation for local and regional detention ponds, storm sewers improvements, and restoration of wetlands. Certified Public Infrastructure Inspector (CPII); IDOT Documentation Certified
Regan Rice **Resident Engineering Technician**	**40/3**	**Resident Engineering.** Over 40 years of experience working with municipal infrastructure. Mr. Rice held the position of Deputy Director of Public Works for the City of Hickory Hills for 40 years. Managed department of 20, and was involved in a hands-on capacity, including reviewing plans, inspecting all water and sewer installations, ordering related parts, supplies, and equipment, and testing and treating the water supply. Licensed EPA Water Plant Operator, Class C.

Other available resources to be assigned by or performed by department managers, as needed, to all projects in each category

Randell Gann, PLS **Survey Department Manager** **Chief Land Surveyor**	**41/41**	Department has earned IDOT highest quality ranking numerous times for quality of professional land surveying services. Has prepared thousands of legal descriptions, easement/ROW plats, ROW calculations and related exhibits throughout career.
Andrew P. Gulden **CADD Department Manager** **Chief Draftsmen**	**23/23**	Manages technically proficient CADD staff, produce high quality engineering plans and exhibits. Expertise in IDOT required format for FAU & MFT plans, Intersection Design Studies, exhibits for Phase I Project Development Reports and master water/sewer plans for FPA Amendments, CMAP hearings.
Douglas E. Breshock, CESSWI **Field Superintendent**	**26/26**	Personnel, Certified Erosion & Sediment Inspector. Led survey crew for more than 21 years, lead Resident Engineer on dozens of IDOT/FAU projects for 23 years. Field Supt. since 2008; manages 5 full-time field crews, 25 construction inspectors/resident engineers. Services include Construction Observation, Construction Engineering, Field Topography

Robinson ENGINEERING

Municipal Expertise. Community Commitment.

AARON E. FUNDICH, PE

Executive Vice President

Mr. Fundich is one of the managing partners of Robinson Engineering, Ltd., overseeing our Lake, DuPage and Will County regional offices. He serves as one of the firm's primary liaisons with client communities and industry professionals, while staying abreast of current regulatory issues and grant funding opportunities. Mr. Fundich also represents the firm in contract negotiations and public presentations for client communities.

MUNICIPAL ENGINEERING

Has served as the firm's Village Engineer for the following communities, all of which continue to utilize Robinson today:

• Itasca	2012-present		
• Frankfort	1997-2012	• Homer Glen	2001-2005
• Romeoville	2007-2009	• South Palos Township	1995-2001
• Manhattan	2005-2007	• Glenwood	1991-1999
• South Holland	1999-2006	• East Hazel Crest	1990-1999

MASTER PLANNING

Project management or principal authorship of the following master planning efforts on behalf of client communities:

• Facilities Planning Area Amendments	Frankfort
• FPA Master Plan Update	Frankfort
• Iron Removal System Plan	Frankfort
• Manor & Estates Master Sewer Plan	Glenwood
• Downtown Infrastructure Master Plan	Manhattan
• Water System Master Plan	Manhattan
• Wastewater Facilities Plan	South Palos Township SD

PROJECT DESIGN & MANAGEMENT

Design and project management of more than $100 million in local water/wastewater infrastructure projects, including:

• City-Wide Sewer Rehabilitation	Crest Hill	$8,200,000
• Hickory Creek Interceptor Sewer	Frankfort	$2,500,000
• Various Watermain Replacements	Frankfort	$2,400,000
• 1 MG Elevated Tank & Watermain	Frankfort	$2,300,000
• Sauk Trail Interceptor Sewer	Frankfort	$1,500,000
• US 30/US 45 Utility Relocations	Frankfort	$500,000
• Various Watermain Replacements	Glenwood	$1,000,000
• IL Route 53 Watermain Loop	Romeoville	$600,000

MANAGER, ICAP SEWER REHABILITATION (1989-2000)

Prepared over 20 Sewer System Evaluation Surveys (SSES) including flow monitoring analyses, manhole inspections, smoke testing, dyed water flood testing, sewer televising, and private sector building inspections to isolate, identify, and quantify sources of infiltration/inflow (I/I) into separate sanitary sewer systems. He also designed more than 100 sewer rehabilitation projects totaling over $85 million of infrastructure improvements, including $20 million funded through the IEPA Water Pollution Control Revolving Fund.

EDUCATION

Master Degree, Project Management
Keller Graduate School of Management

Bachelor of Science, Engineering
University of Illinois Urbana-Champaign

PROFESSIONAL REGISTRATIONS

Registered Professional Engineer
Illinois, Indiana, Arizona

PROFESSIONAL AFFILIATIONS

Illinois Society of Professional Engineers (ISPE)

Illinois Association for Floodplain and Stormwater Management (IAFSM)

Will County Center for Economic Dev.
Co-chair, Diplomat Committee
Member, Gov't. Affairs Committee

South Holland Business Association
Board of Directors, 2001-2005

PUBLICATIONS

"Infiltration Reduction Using Trenchless Technology,"
Mining Journal Ltd., May 1999

EMPLOYMENT HISTORY

Robinson Engineering, Ltd.
1989-Present

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AARON E. FUNDICH, PE

Executive Vice President

EDUCATION

Master Degree, Project Management
Keller Graduate School of Management

Bachelor of Science, Engineering
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EMPLOYMENT HISTORY

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1989-Present

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• Iron Removal System Plan	Frankfort
• Manor & Estates Master Sewer Plan	Glenwood
• Downtown Infrastructure Master Plan	Manhattan
• Water System Master Plan	Manhattan
• Wastewater Facilities Plan	South Palos Township SD

PROJECT DESIGN & MANAGEMENT

Design and manage more than $40 million in federally and locally funded transportation projects, including:

• Richton Road Reconstruction	Crete	$6,200,000
• Wolf Road Reconstruction	Frankfort	$1,470,000
• Munster Bike Path Network	Munster	$1,800,000
• 135th Street Reconstruction	Romeoville	$20,000,000
• 135th Street Traffic Signal	Romeoville	$240,000
• Veterans Memorial Trail	WCFPD	$9,000,000
• Directional Drilling, Berry Court	DuPage County	$800,000

MANAGER, ICAP SEWER REHABILITATION (1989-2000)

Prepared over 20 Sewer System Evaluation Surveys (SSES), including flow monitoring analyses, manhole inspections, smoke testing, dyed water flood testing, sewer televising, and private sector building inspections to isolate, identify, and quantify sources of infiltration/inflow (I/I) into separate sanitary sewer systems. He also designed more than 100 sewer rehabilitation projects totaling over $85 million of infrastructure improvements, including $20 million funded through the IEPA Water Pollution Control Revolving Fund.

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STEVEN G. ZEHNER, PE, LEED AP

Senior Project Manager

EDUCATION

Bachelor of Science

Southern Illinois University

PROFESSIONAL REGISTRATIONS

Professional Engineer

Illinois, Wisconsin

PROFESSIONAL CERTIFICATIONS

Certified Hazardous Materials Manager (CHMM)

Leadership in Energy and Environmental Design Accredited Professional (LEED AP)

PROFESSIONAL AFFILIATIONS

DuPage River Salt Creek Workgroup (DRSCW)

Illinois Water Enviroment Association (IWEA) Past Watershed Chair

US Green Building Council (USGBBC)

Water Environment Federation (WEF) Central States Water Environment

PUBLICATIONS & PRESENTATIONS

"Spray Irrigation: Not Putting the "E" in NPDES After All?", IWEA Annual Conference (2010)

"Towards Illinois' first point-source expansion in an urbanized watershed with a TMDL in implementation", WEF TMDL Conference (2009)

"Understanding Sustainability and its impact on Municipal Budgets", Illinois Municipal Treasurers Association Annual Conference (2008)

EMPLOYMENT HISTORY

Robinson Engineering, Ltd.
2011-Present

Baxter & Woodman
1987-2010

MECO
1986-1987

Mr. Zehner is an industry professional and technical specialist with an extensive background in environmental protection. He has managed internal departments (Environmental, and Industrial), and countless client projects, working closely with elected officials, residents, industries and contractors. Mr. Zehner has developed and managed numerous Pretreatment Programs and Pollution Prevention Programs. He has also served as the City Engineer for the Wood Dale and as an interim Director of Public Works for Bensenville and Hainesville. While in Bensenville, he developed the Village's first Capital Improvement Plan.

MUNICIPAL ENGINEERING

- Assisted with the development of 5-year capital improvement plan
- Project Manager for daily engineering operations, including design and construction oversight for all infrastructure projects
- Liaison between City and multiple consulting engineering firms

PRE-TREATMENT ENGINEERING

Mr. Zehner has been involved with the Federal Pretreatment Program since 1987 serving as the identified Pretreatment Coordinator for the Village of Itasca. He currently serves as the Pretreatment Coordinator for Itasca, Wood Dale and Romeoville as well as assisting numerous other communities with smaller programs. This role has served as a basis for numerous wastewater treatment plant work involving NPDES permitting, sludge disposal and industrial user interaction.

His environmental background includes surface and groundwater hydrology; water/wastewater pretreatment; industrial wastewater treatment systems, groundwater remediation technologies, watershed issues, and hazardous waste site closures. Well versed in the Impaired Waters and Total Maximum Daily Loads (US EPA Clean Water Act) Has tracked progress of the Total Maximum Daily Loads (TMDL) process in the State of Illinois to assist numerous clients with discharge to Salt Creek and the DuPage River. Served as Project manager or had extensive involvement in these representative projects:

• Pretreatment Program Development & Management	Various	$400,000	annual
• Wastewater Treatment Plant Repairs	Itasca	$5,000,000	2017
• Water System Expansions	Various	N/A	N/A

ENVIRONMENTAL ENGINEERING

Was integral in the development of the DuPage River Salt Creek Workgroup, the model watershed agency in USEPA Region 5. Has provided numerous environmental site assessments to identify green solutions that include energy efficiency incentives, loan programs, and grant funding (e.g. LED lighting, control system improvements, variable frequency drive evaluations, energy recovery, renewable energy evaluations, high efficiency pumping and wastewater aeration energy efficiency improvements). Adept in associated environmental law and policy.

- Phase I & II Industrial & commercial environmental property assessments for numerous municipal and industrial clients.
- Wastewater treatment upgrades
- Underground Storage Tank & Hazardous Waste Site Closure Projects for over 30 clients in both the private and public sectors

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MARK A. WESOLOWSKI, PE, CFM

Senior Project Manager

EDUCATION

Bachelor of Science, Civil Engineering
Structural Engineering Concentration

University of Illinois, Urbana-Champaign

PROFESSIONAL REGISTRATIONS

Professional Engineer

Illinois, Indiana, Texas

PROFESSIONAL CERTIFICATIONS

Certified Floodplain Manager (CFM)
IDOT Documentation of Contract Quantities

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers (ASCE)

Illinois Association for Floodplain and Stormwater Management (IAFSM)

Illinois Society of Professional Engineers (ISPE)

National Society of Professional Engineers (NSPE)

EMPLOYMENT HISTORY

Robinson Engineering, Ltd.
1995-1999; 2014-Present

VantagePoint Engineering, LLC
2010-2014

Burke Engineering Corporation
1999-2010

Mr. Wesolowski is a high-level industry professional with 22 years of experience. Highly proficient, he rose through the ranks by gaining experience in the field and as both project design engineer and project manager, he progressed to the executive level serving as Director of Engineering, Vice President, and then as President, while maintaining his engineering workload, along with providing municipal engineering consulting daily, and serving as a mentor. He has worked on countless client projects, with an emphasis on Transportation and Stormwater, working closely with elected officials, residents, industries and contractors.

MUNICIPAL DESIGN & MANAGEMENT

Provides planning, design and permitting services for municipal infrastructure and site improvements including site drainage and detention, storm sewer systems, roadway resurfacing & reconstruction and right-of-way improvements.

• Forest View Ave. Reconstruction	Wood Dale	$1,600,000	2017
• Pierce Road Sidewalk	Itasca	$130,000	2016
• S. York Street LAFO	Elmhurst	$690,000	2016
• Prospect & Potter Storm Sewer	Wood Dale	$363,000	2016
• Edgewood Sidewalk	Wood Dale	$630,000	2016
• Motor Fuel Tax Program	Itasca	$200,000	2015
• South Side Drainage – Ph 1	Itasca	$740,000	2015
• Woodside Sub. Resurfacing	Wood Dale	$247,000	2015
• Hemlock Sidewalk	Wood Dale	$130,000	2015
• Water Main Replacement	Wonder Lake	$505,000	2015
• Hamilton Ave. Reconstruction	Watseka	$420,000	2015
• Kansas Street Sidewalk	Frankfort	$89,000	2015

STORMWATER PROJECT DESIGN & MANAGEMENT

Has designed and permitted numerous storm water detention systems, storm sewer and site grading plans for developments. Also provides analysis and design of existing and proposed hydrologic and hydraulic models for floodplains and floodways, detention, overland flood routing, and compensatory storage calculations.

- Boulder Ridge, Mokena
- Butternut Ridge, Manhattan
- Collette Highlands, Orland Park
- Ginger Creek, Mokena
- Lago Vista, Lockport
- Lakeview Estates, Frankfort
- LaPorte Meadows, Frankfort
- Towne Center, Shorewood

SITE DEVELOPMENT PROJECT DESIGN & MANAGEMENT

Responsible for design and QA/QC for residential, commercial and roadway projects ranging from 1 acre sites to 300 acre developments. Has served public and private clients, ensuring the highest quality standards in accordance with local and state codes.

• Lago Vista Subdivision, Lockport	Hartz Construction
• Shorewood Towne Center, Shorewood	MCZ Development
• Ginger Creek, Mokena	Mokena
• Luke Oil Gas Station, Cedar Lake/Lafayette	Luke Oil
• 135th Street Resurfacing	Crestwood
• Kedzie Avenue Sidewalk	Markham
• Village Hall Addition	Frankfort
• Panduit, Tinley Park	Linden Group

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ALBERT K. STEFAN, PE

Senior Project Manager

EDUCATION

Bachelor of Science, Civil Engineering

Valparaiso University, Valparaiso, IN

PROFESSIONAL REGISTRATION

Registered Professional Engineer
Illinois

PROFESSIONAL AFFILIATION

American Society of Civil Engineers (ASCE)

EMPLOYMENT HISTORY

Robinson Engineering, Ltd.
2014-Present

Ruekert Mielke
2012-2014

Baxter & Woodman Consulting Engineers, Inc
1986-2012

Tornrose, Campbell & Associates, Inc.
1984-1986

Nakawatase, Rutkowski, Wyns & Yi, Inc.
1983-1984

Mr. Stefan is an experienced project manager with over 33 years experience in civil engineering, he has served in many capacities throughout his career including Regional Manager, Municipal Engineer, Design Engineer, Village/City Engineer, and Field Engineer. As a project engineer, he has worked closely coordinating with government agencies, specifically IDOT, IEPA, Army Corps of Engineers, IDNR as well as county agencies in Cook, Lake, McHenry, DuPage, Kane and Will Counties.

MUNICIPAL ENGINEERING

Has served as Village Engineer with duties that include municipal project management, from Capital improvement planning and implementation through construction. Typical projects include streets, storm sewer, stormwater management, private development oversight, sanitary sewer, water and wastewater treatment facility, ordinance revision, grant procurement and overall engineering assistance.

- Gilbertsa
- Hebron
- Highland Park
- Itasca
- Kirkland
- Oakwood Hills
- Ringwood
- Wood Dale
- Lombard

WATER DISTRIBUTION DESIGN & MANAGEMENT

A representation of projects, including water main lining, water treatment plants, water pump stations, Supervisory Control and Data Acquisition (SCADA) systems, watermain designs, elevated tank and reservoir design, water master plans and models.

Elevated Tank Repainting Various	$2,000,000	1984-2017
Water Main Lining (6" to 12") Lombard	16,300 LF $ 8,000,000	
Water Main (6" to 24") Various	$10,000,000	1984-2017
SCADA Systems Various	$50,000-$300,000	1990-13
Shallow Wells	$2,000,000	1984-2017

TRANSPORTATION STUDIES & ENVIRONMENTAL REPORTS

Participated and prepared Phase I studies and environmental reports for federally funded Surface Transportation Program (STP), Congestion Mitigation and Air Quality (CMAQ) Program, Illinois Transportation Enhancement Program (ITEP), High Priority Program (HPP), and Highway Safety Improvement Program (HSIP) projects for:

- Bedford Park
- Frankfort
- Highland Park
- Highland Park
- Itasca
- Lombard

TRANSPORTATION PLANNING

Participated in the planning studies for transportation improvements and the feasibility studies of design alternatives and simulation. Transit Planning and site development. Specific projects include:

IL Rt. 53	Itasca
Elgin O'Hare Western Bypass	Itasca
Irving Park Corridor Study	Itasca
Central/ Narrangansett	Bedford Park

TRANSPORTATION (LOCAL ROADS)

Participated in design and management of more than $60 million in roadway infrastructure projects. Projects include federal, state, motor fuel tax (MFT) and locally funded improvements for the following municipalities:

- Cary
- Fox River Grove
- Island Lake
- Itasca
- Lombard
- McHenry
- Oakwood Hills
- Ringwood
- Wood Dale

Robinson ENGINEERING

Municipal Expertise. Community Commitment.

VERONICA HALL, PE

Senior Engineer

EDUCATION

Bachelor of Science, Civil Engineering

Purdue University

Master of Science, Environmental Engineering

Illinois Institute of Technology

PROFESSIONAL REGISTRATION

Registered Professional Engineer

Illinois

PROFESSIONAL AFFILIATIONS

American Water Works Association (AWWA)

EMPLOYMENT HISTORY

Robinson Engineering, Ltd.
2017-Present

Alfred Benesch & Co.
2012-2017

Village of Schaumburg
2003-2007

Burns & McDonnel, Inc.
1996-2003

HDR Engineering, Inc.
1994-1996

Ms. Hall has 23 years of municipal engineering experience, with a focus on water and wastewater systems engineering, including watermain design, pump and lift station system design, sanitary sewer system rehabilitation and repairs, water system modeling analysis, and various related studies.

ALFRED BENESCH & CO. (2012-2017)

Part-time Civil Engineer, Senior Project Engineer

- Watermain design for Northwest Suburban Joint Action Water Agency (NSMJAWA) along I-90 Tollway corridor
- Utility coordinator for Elgin O'Hare Western Access Phase I
- Water system modeling analysis for the Village of Lombard
- Watermain design for Village of Round Lake Beach

VILLAGE OF SCHAUMBURG (2003-2007)

Part-time Civil Engineer, Community Development Department

- Review and permit processing of development plans for Community Development Department
- Project Review Group Engineer Reviewer
- Oversight of construction for developments projects throughout Village

BURNS & McDONNELL, INC. (1996-2003)

Project Manager, Environmental & Infrastructure Department

- Water system modeling analysis for the Village of Elmhurst, Village of Lombard, City of St. Charles and Lake Havasu City, Arizona
- Pump system design for the Illinois Department of Transportation and Village of Lombard
- Lift station design and analysis for the Village of Lombard and Village of Villa Park
- Watermain design for the Village of Addison, Village of Lombard, Village of Northfield, Village of Palatine, NICOR, and People's Gas
- Combined sewer system analysis for the Village of Villa Park
- Sanitary sewer system rehabilitation and repairs for Village of Northfield, Village of Woodridge and Union Pacific Railroad
- Phase I Transportation Studies for Village of Northfield and Village of Westmont

HDR ENGINEERING, INC. (1994-1996)

Project Engineer, Civil Engineering Department

- Designed sewer systems for Chicago Department of Sewers
- Designed streets for Chicago Department of Transportation
- Designed detention pond systems and wetlands for Illinois Department of Transportation
- Environmental Impact Studies for Illinois Toll Highway Authority and Illinois Department of Transportation
- Noise modeling analysis for Illinois Toll Highway Authority
- Air quality analysis for Illinois Department of Transportation, Missouri Highway and Transportation Department and Federal Highway Administration

Robinson ENGINEERING

Municipal Expertise. Community Commitment.

WILLIAM P. DOLAN, PE, CFM, PTOE

Senior Project Engineer

EDUCATION

Bachelor of Science, Civil Engineering

University of Illinois Champaign-Urbana

PROFESSIONAL REGISTRATIONS

Registered Professional Engineer
Illinois

PROFESSIONAL CERTIFICATIONS

Certified Floodplain Manager (CFM)

Professional Traffic Operations Engineer (PTOE)

EMPLOYMENT HISTORY

Robinson Engineering, Ltd.
2002-Present

Graef Anhalt Schlomer & Associates
2001-2002

Robert E. Hamilton Consulting Engineers
1999-2001

Mr. Dolan is a Design Engineer with 18 years of technical experience working on various federal, state, and local transportation projects. Mr. Dolan's professional engineering duties include preparing and managing Phase I Studies, Location Drainage Studies and Phase II Design Plans for federally funded projects approved through the Illinois Department of Transportation (IDOT) and Cook County Department of Transportation and Highways (CCDOTH).

MUNICIPAL ENGINEERING

Serving as the firm's Municipal Engineer for several communities; his responsibilities span daily engineering consultation and assistance in all aspects of municipal engineering projects.

- Alsip 2012-present
- East Hazel Crest 2005-present
- Merrionette Park 2004-2011

TRANSPORTATION DESIGN

Design and manage more than $50 million in roadway infrastructure projects. Projects include federal, state, motor fuel tax (MFT) and local funded improvements. Prepares and manages all aspects of Phase II Plans for the federally funded Surface Transportation Program (STP), Congestion Mitigation & Air Quality (CMAQ) Improvement Program, Highway Safety Improvement Program (HSIP), Illinois Transportation Enhancement Program (ITEP), and various other locally funded projects.

• Halsted at 174th Street	E. Hazel Crest	$2,500,000	2016
• 183rd St. & Oak Park Ave. Roundabout	Tinley Park	$3,000,000	2015
• Joe Orr Rd-Torrence Ave. to Burnham Ave.	CCDOTH	$11,000,000	2015
• Center St. - 159th to 171st	CCDOTH	$9,000,000	2014
• IL Rte. 53 @ Material Road	Romeoville	$1,800,000	2012
• 175th Street @ Harlem Ave.	Tinley Park	$1,700,000	2011
• Joe Orr Rd.-Stoney Island to Torrence Ave.	CCDOTH	$6,000,000	2010
• 170th St. - South Park Ave. to I-94	CCDOTH	$5,400,000	2010
• 191st St. -IL Rte 43 to Ridgeland Ave.	Tinley Park	$6,000,000	2010
• 183rd St. - US 45 to 80th Ave.	CCDOTH	$12,000,000	2009
• Main St. - N. Main to Campbell St.	Glenwood	$1,400,000	2009
• IL Rte. 53 @ University Parkway	Romeoville	$1,000,000	2009
• 171st St. - Wood St. to Ashland Ave.	CCDOTH	$12,000,000	2008
• Budler Rd. Airport Rd. to Taylor St.	Romeoville	$1,300,000	2007
• Cottage Grove Ave. 170th St. -Rte 6	South Holland	$4,600,000	2007

TRANSPORTATION STUDIES & ENVIRONMENTAL REPORTS

Prepare Phase I Studies, Environmental Assessments, Traffic Studies and/or Drainage Reports for state and federally funded projects.

• Monee - Manhattan / Cleveland Ave. Ph. I	Monee	2016
• IL Route 50 / Corning Avenue, Phase I	Peotone	2015
• US Route 52 / Smith Road, Phase I	Manhattan	2015
• 135th St./New Ave. Metra Station & Commuter Parking Lot	Romeoville	2014
• Joe Orr Rd.-Torrence Ave.-Burnham Ave.	CCDOTH	2013
• 183rd St./Oak Park Ave. Roundabout, Ph. I	Tinley Park	2013
• Center St. - 159th St. to 171st St., Phase I	CCDOTH	2012
• 170th St. - South Park Ave. to I-94	CCDOTH	2010
• Joe Orr Rd.-Stoney Island to Torrence Ave.	CCDOTH	2010
• IL Rte. 53/Material Service, Phase 1	Romeoville	2010
• 175th St./Harlem Ave., Phase 1 (HSIP)	Tinley Park	2009
• 171st St. - Wood St. to Ashland Ave.	CCDOTH	2008

Robinson ENGINEERING

Municipal Expertise. Community Commitment.

SEAN P. KELLY, PE, CFM, CPESC

Senior Project Manager

Mr. Kelly has 23 years of experience in civil engineering, with an emphasis in stormwater, and water projects. He has performed civil engineering for municipalities throughout the US and has served as the Municipal Engineer for Palos Park (2003-2006), Minooka (2006-2014), Coal City (2014-2015), and Lombard (2016-present), providing daily engineering consultation, as well as review, design, and planning for various types of municipal projects. He previously served as the Stormwater Group Manager, and continues to provide technical guidance on stormwater projects for client communities.

STORMWATER MANAGEMENT

Designs, manages and permits stormwater and floodplain management mitigation projects for public and private sector clients, including Letter of Map Revisions (LOMR) for floodplain determination. Has developed and utilized computer models to evaluate drainage and floodplain impacts for various agencies, including Departments of Transportation (DOTs) in Illinois and Wisconsin, and the US Army Corps of Engineers (USACE) in Missouri.

• Hobart Stormwater Master Plan Update	Hobart, IN	N/A	2015-Present
• Woodlawn Bridge Replacement Hydraulic Analysis	Woodlawn	N/A	2014-Present
• Worth Woods Subdivision (MWRD #14-256-5C)	Worth	N/A	2014-Present
• Wood Dale Stormwater CIP Improvements, Area 5	Wood Dale	$198,000	2014
• Chicago Heights-Glenwood Road Hydraulic Analysis	Glenwood	N/A	2013-Present
• Village-wide Drainage Improvement Analyses	Coal City	$6,000,000	2009-2013
• Devon Ave. Flood & Hydraulic Analysis	Elk Grove Village	N/A	2011
• Green St. Hydraulic Analysis	Ottawa	N/A	2011
• Butterfield Creek Hydraulic Evaluation	Olym. Fields Country Club	$2,125,000	2010
• Illinois River Hydraulic Study	Ottawa	N/A	2010
• East Mondamin Main Drain Strm. Swr.	Minooka	$923,000	2008
• Milne Creek Stream Bank Stabilization	Lockport	$185,600	2005
• Barretts Area Detention Pond & Storm Sewer	Tinley Park	$4,200,000	2005
• 76th Ave. Ditch Brementown, LOMR	Tinley Park	N/A	2005
• Barrets Area Conditional LOMR	Tinley Park	N/A	2005
• Milwaukee River Hydraulic Analysis (Park East Freeway Crossing)	Wisconsin DOT	N/A	2000

WATER & SEWER

Has designed over $20 million in local water and sewer infrastructure, ranging from utility replacements within urbanized areas to new extensions to facilitate future development.

• Center Street Reconstruction	Harvey	N/A	2012-2013
• Wicker Park Storm Sewer Improvement	Munster, IN	$2,255,000	2012
• Phase I Drainage Studies Fed. Fun STP	Romeoville	N/A	2010
• ARRA Water Main Rplcmt Design	Harvey	$ 1,700,000	2009
• Mondamin-Wabena-Osceola Utilities	MInooka	$980,000	2007
• Massasoit-Coady-Wabena Utilities	Minooka	$750,000	2007
• Otter Creek NW Water & Sewer Extd.	Elgin	$13,000,000	2006
• Water Distribution System Analysis	Frankfort (FPA)	N/A	2006
• Barrett Area Phase I Off-site Strm. Swr.	Tinley Park	$1,798,000	2005
• LaGrange Road Utility Extensions	Palos Park	$374,000	2004

EDUCATION

Bachelor of Science, Civil Engineering

University of Illinois, Champaign-Urbana

PROFESSIONAL REGISTRATION

Registered Professional Engineer

Illinois

CERTIFICATIONS

Certified Floodplain Manager (CFM)

Certified Professional in Erosion and Sediment Control (CPESC)

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers (ASCE), Illinois

American Council of Engineering Companies (ACEC)

Illinois Association for Floodplain and Stormwater Management (IAFSM)

EMPLOYMENT HISTORY

Robinson Engineering, Ltd.
2002-Present

HNTB Corporation
1996-2002

Law Engineering
1994-1996

Robinson ENGINEERING

Municipal Expertise. Community Commitment.

AMY STORM MCKENNA, PE, CFM

Senior Engineer

Ms. McKenna is an experienced Civil Engineer with over 21 years of experience who serves as Municipal Engineer for Robinson Engineering. Her design experience includes preparation of contract documents for municipal streets and utility improvement projects as well as Phase I project studies and Phase II contract documents for federal and state highways.

Her construction engineering experience includes supervision, inspection, and management of the construction of municipal capital improvement projects, private land development projects, and state and federally funded roadway and bicycle improvement projects. She also has extensive development plan review experience.

MUNICIPAL ENGINEERING & LAND DEVELOPMENT

Ms. McKenna currently serves as an assistant municipal engineer for the villages of Downers Grove, Oswego, Itasca, and Romeoville with a focus on managing new and ongoing land development, including performing technical development reviews, representing clients during engineering negotiations with developers, and delivering related public reports. During her 10 years with Robinson Engineering, Ms. McKenna has worked alongside municipal engineers, providing plan reviews for compliance with applicable municipal, county, state, and federal requirements:

- Village of Downers Grove — January, 2016-Present

Mrs. McKenna has preformed reviews for this community experiencing much residential redevelopment. In these reviews, she has used her expertise in stormwater and floodplain management, knowledge of Village, and Dupage County's ordinance requirements.

- Village of Oswego — February, 2015-Present

Ms. McKenna has performed reviews for this community experiencing both new development and redevelopment. She has also helped review and negotiate a recapture agreement on behalf of the Village during this time.

- Village of Itasca — 2013-Present

For Itasca, since early 2013, Ms. McKenna has performed nearly 400 development plan and utility permit reviews to support significant redevelopment. She also assists the Village with floodplain management, including analysis and interagency coordination for the current FEMA floodplain mapping update. She is currently working on an update of this Village's development standards.

- Village of Romeoville — 2006-Present

Ms. McKenna has performed over 600 development plan reviews for compliance and strategic growth within Romeoville, a rapidly developing community.

- Villages of Channahon and Minooka — 2006-2008

PROJECT DESIGN & MANAGEMENT

Ms. McKenna's Project Management duties included preparation of engineering plans, specifications, cost estimates for various municipal clients, supervision of employees, preparation of cost proposals and manhour estimates for future projects. Her previous representative project experience includes:

- Main Street/Fairview Ave. Resurfacing Projects — Downers Grove
- The Glen Redevelopment Project — Glenview
- Capital Improvement Projects — Lombard
- Improvements Project, Route 31-Algonquin Rd. — McHenry County

EDUCATION

Bachelor of Science with Honors, Civil Engineering

University of Illinois at Urbana-Champaign

PROFESSIONAL REGISTRATION

Registered Professional Engineer
Illinois

PROFESSIONAL CERTIFICATIONS

Certified Floodplain Manager (CFM)

Lake County Illinois
Stormwater Enforcement Officer

PROFESSIONAL AFFILIATIONS

Illinois Association for Floodplain and Stormwater Management (IAFSM)

EMPLOYMENT HISTORY

Robinson Engineering, Ltd.
2006-Present

CivilTech Engineering, Inc.
1999-2002

City of Naperville
1996-1999

Dames & Moore/MCE
1994-1996

Robinson ENGINEERING

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JONATHAN J. DYKSTRA, CFM

Senior Engineer

Mr. Dykstra has 29 years of technical experience in water resources engineering including watershed modeling and planning. He is responsible for leading drainage and floodplain related planning, analysis, and design for projects including hydrologic and hydraulic modeling, floodplain and floodway determinations, FEMA map revision support and watershed and feasibility studies. He also conducts stormwater and floodplain management reviews for various municipalities in Cook, DuPage and Will Counties in Illinois and Lake County, Indiana.

EDUCATION

Bachelor of Science, Civil Engineering

Illinois Institute of Technology

PROFESSIONAL CERTIFICATIONS

Certified Floodplain Manager (CFM)

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers (ASCE)

Illinois Association for Floodplain and Stormwater Management (IAFSM)

Will County Stormwater Management Planning Committee (WCSMPC)

Metropolitan Water Reclamation District (MWRD) Technical Advisory Committee

EMPLOYMENT HISTORY

Robinson Engineering, Ltd.
2007-Present

Burke Engineering Corporation
2004-2007

Christopher B. Burke Engineering , Ltd.
1989-2004

Ciorba Group
1988

STORMWATER MANAGEMENT

Has extensive experience in stormwater management, including developing hydrologic and hydraulic models to determine flow rates, establishing floodplain and floodway limits, supporting FEMA map revisions, evaluating proposed designs and modifications, and performing dam breach analyses.

• Central Park	Dyer	$2,500,000	2017
• 45th St. Grade Separation	Munster	$34,000,000	2015
• Stony Island Drainage Ditch	Lansing	$1,000,000	2013
• Joe Orr Road New Extension II	Lynwood	$10,000,000	2013
• 167th Street Reconstruction	Harvey	$4,000,000	2011
• Joe Orr Road New Extension I	Lynwood	$7,100,000	2010
• Crete Protestant Ref. Church	Crete	$1,500,000	2009
• 170th Street Reconstruction	South Holland	$11,000,000	2009
• Highlands of Ellendale Subdivision	Crown Point	$2,750,000	2007
• Misty Ridge Subdivision	Lake County	$5,000,000	2007
• Glenwood-Lynwood Public Library	Lynwood	$2,000,000	2007
• Ellendale Old Town Subdivision	Crown Point	$2,500,000	2006
• Fey & Graefen Industrial Park	Frankfort	$3,000,000	2006
• Misty Glen Subdivision	Lowell	$1,700,000	2006
• Schmidt Farms Subdivision	Crown Point	$2,000,000	2005
• Hidden Creek Subdivision	Homer Glen	$1,500,000	2005
• Spring Grove Subdivision	Lockport	$2,000,000	2005

FLOODPLAIN MANAGEMENT

Has extensive experience in floodplain management and FEMA map revisions, including Letter of Map Revisions (LOMR) and Letter of Map Amendments for floodplain determination.

• Clavey Road Bridge Replacement	Highland Park	$1,000,000	2017
• Vollmer Road Culvert Replacement	Olympia Fields	$800,000	2016
• Rathje Road Culvert Replacement	Peotone	$300,000	2016
• Dredge Fill Site Dam Breach	Aroma Park	$200,000	2014
• 191st Street Culvert Replacement	Lansing	$250,000	2012
• Country Club Drive Bridge Replacement	Olympia Fields	$450,000	2011
• Weber Road Widening	Romeoville	$2,500,000	2010
• Lily Cache Slough LOMR	Romeoville	N/A	2010
• Midlothian Culvert Replacements	Midlothian	$900,000	2009
• McLindon Road Improvement	Minooka	$3,100,000	2009
• Oak Park Avenue LOMA	Tinley Park	N/A	2008
• Butternut Ridge Subdivision	Manhattan	$4,500,000	2006
• Cobblestone of Bourbonnais	Bourbonnais	$3,000,000	2005
• Trail Creek Subdivision	Griffith	N/A	2005
• Hidden Cove/Spaniel Lake Dam	Homer Glen	$4,000,000	2005
• Feather Rock Subdivision	Crown Point	$3,500,000	2004
• Gregg's Landing Subdivision	Vernon Hills	$45,000,000	2003

Robinson ENGINEERING

Municipal Expertise. Community Commitment.

THOMAS E. NAGLE, PE

Vice President, Senior Project Manager

Mr. Nagle has over 30 years of experience designing and managing numerous municipal infrastructure improvements. He is a Vice President and Sr. Project Manager of the Operations Department, overseeing public works operation and wastewater projects, including Inflow and Infiltration (I/I) Reduction and sanitary sewer rehabilitation projects. He is also an IEPA Licensed Public Water Supply Operator, IEPA Certified Collection Systems Operator and NASSCO Certified in PACP, MACP and LACP.

He managed five American Public Works Association (APWA) *Project of the Year* award-winning projects; two Illinois Society of Professional Engineers (IPSE), *Excellence in Engineering* award-winning projects, two APWA Community Involvement Awards and has won the American Society of Civil Engineers Citizen Engineers Award for giving back to the community. All the awards were won between 2008-2016.

MUNICIPAL ENGINEERING

Having served as Municipal Engineer for the past 30 years, Mr. Nagle's responsibilities span daily engineering consultation and assistance to major engineering projects.

• Midlothian	2016-Present	• Chicago Heights	1990-2008
• Posen	2016-Present	• Robbins	1990-2005
• South Lyon Twnshp. SD	2013-Present	• Romeoville	1994-1999
• Blue Island	1990-Present	• Bonnie Brae SD	1992-1998

WASTEWATER INFRASTRUCTURE DESIGN & MANAGEMENT

Designer and/or Project Manager for wastewater projects, including designing sewers, lift stations, as well as Infiltration & Inflow (I/I) investigations and reduction, Sewer System Evaluation Studies(SSES), flow monitoring, system mapping, construction inspection and Geographic Information Systems(GIS).

• MWRD I/I Reduction	Various	$1,000,000	2015-17
• Lateral Sewer Lining	US Army Corps	$1,500,000	2015
• Sanitary Sewer Lining Projects	Various	$10,000,000+	2008-17
• Sanitary Sewer Point Repair Projects	Various	$500,000+	2008-17
• Sanitary Sewer Manhole Projects	Various	$400,000+	2008-17
• Lift Station Upgrades	Olympia Fields	$306,000	2012
• Sanitary Sewers Design (6" to 42")	Various	$12,000,000	1990-09
• Sanitary Sewer Lift Stations	Various	$10,000,000	1990-09
• 36" - 42" Sanitary Sewer	Lockport	$2,400,000	1995

WATER DISTRIBUTION DESIGN & MANAGEMENT

A representation of projects, including water treatment plants, water pump stations, Supervisory Control and Data Acquisition (SCADA) systems, water main designs, elevated tank and reservoir design, water master plans and models.

• .5MG Hydrosphere Tank Raising	Matteson	$1,000,000	2014
• Elevated Tank Repainting	Various	$5,000,000	2005-14
• Water Main (6" to 36")	Various	$50,000,000	1990-13
• SCADA Systems	Various	$50,000-$300,000	1990-13
• Shallow Well & Well House	Cherry Valley	$1,500,000	2012
• Four Shallow Wells	Lockport	$2,000,000	1990-12
• 10.3 MGD Pump Station	Calumet City	$3,500,000	2008
• Six Iron Removal Filters & Buildings	Frankfort	$4,000,000	2000-07
• 14.4 MGD Pump Station	Bridgeview	$1,900,000	2005
• 1MG Hydrosphere & .5MG Multi-legged Tank Raising	St. John, IN	$2,000,000	2005

EDUCATION

Bachelor of Science, Civil Engineering Technology
Southern IL University

Master's Program Coursework Environmental Engineering
Illinois Institute of Technology

PROFESSIONAL REGISTRATION

Registered Professional Engineer
Wisconsin

CERTIFICATIONS

IL Environmental Protection Agency (IEPA)
Public Water Supply Operator - Class C
Wastewater Collection System Operator

National Association of Sewer Service Companies(NASSCO)
Pipeline Assessment Certification(PACP)
Manhole Assessment Certification(MACP)
Lateral Assessment Certification(LACP)

PROFESSIONAL AFFILIATIONS

American Water Works Association
Outreach Committee

American Public Works Association

American Society of Civil Engineers Illinois Section
Drinking Water Report Card Committee

Illinois Water Environment Association
Collection System Committee

Mid Central Water Works Assoc.
Scholarship Chairman

South Suburban Water Works Assoc.
Scholarship Chairman

PUBLICATIONS

"Reaching New Heights with Community Involvement" appeared in American Water Works Association Journal (2015)

PRESENTATIONS

Reduce Sanitary Sewer Overflows (SSO) Through Sanitary Sewer Lining, and a Lesson in Community "Buy-In"
IWEF Conference (2016)
Indiana AWWA Conference (2017)
Illinois AWWA Conference (2017)
IWPC Conference (2017)

Reaching New Heights with Community Involvement by Adding 19' to elevated tank
Matteson, IL

Indiana AWWA Conference (2013)
Illinois AWWA Conference (2013)
National (Boston) AWWA Conference (2013)

Elevated Tank & Reservoir Rehabilitation
Blue Island, IL
Illinois AWWA Conference (2012)

EMPLOYMENT HISTORY

Robinson Engineering, Ltd.
1987-Present

Robinson ENGINEERING

Municipal Expertise. Community Commitment.

JAMES M. CZARNIK, PE

Senior Project Manager

With over 20 years of professional experience, Mr. Czarnik serves as the manager of Robinson Engineering's Water and Wastewater Department (since 2015, and serving as interim manager in 2014). Mr. Czarnik has a passion for water and wastewater design, which is demonstrated by the multitude of water and wastewater infrastructure projects he has designed over his 20 year career, including: 10+ wastewater treatment plant rehabilitation projects; 20 water, wastewater, and stormwater pump station improvement projects; 20+ water and wastewater infrastructure evaluation studies; and over 5 miles of water main, sanitary sewer, and force main installation projects.

EDUCATION

Bachelor of Science, Civil Engineering

Rose-Hulman Institute of Technology

PROFESSIONAL REGISTRATIONS

Registered Professional Engineer

Illinois, Indiana

PROFESSIONAL AFFILIATIONS

Illinois Water Environment Association (IWEA)

Water Environment Federation, Member (WEF)

American Water Works Association (AWWA)

Illinois Section American Water Works Association (ISAWWA)

Institute for Sustainable Infrastructure Provisional Sustainability Professional

EMPLOYMENT HISTORY

Robinson Engineering, Ltd.
2002-Present

Andrews Environmental Engineering, Inc.
1997-2002

MUNICIPAL ENGINEERING

Serves as the firm's Municipal engineer for the following communities.

- Merrillville Conserv. Dist. 2009-present
- Sauk Village 2005-present

MASTER PLANNING

Preparation of the following master planning efforts to assist clients in prudent development of their water and wastewater infrastructure.

• Potable Water Supply Improvements	Twin Orchard CC	2017
• Water/Wastewater Feasibility Study	Analytical Env. Services	2016
• Far West Infrastructure Feasibility Study	Minooka/Channahon	2014
• Water System Improvements Project	Sauk Village	2014
• Downtown Wastewater & Stormwater Infrastructure Improvements Study	Hobart	2012
• Water Quality Improvement Plan	Sauk Village	2012
• Water/Wastewater Service to East Side of FPA	Romeoville	2010
• Jackson Creek Lift Station WW Evaluation	Frankfort	2009
• Master Wastewater Facilities Plan	Manhattan	2008
• Wastewater/Water Feasibility Study	Schneider	2008

WASTEWATER MODELING

Modeling of existing sanitary sewer infrastructure to determine current capacity, and plan capital improvement projects for system expansion.

• Sanitary Sewer System Capacity Evaluation	Aqua Illinois	2013
• Main Street Improvements	Hobart	2012

WATER DESIGN

Design and management of components of water infrastructure, including water treatment plants, pump stations, water mains, and permitting.

• Reservoir Pump Station Improvements	Highland Park	$999,000	2017
• Water Treatment Plant Improvements	Sauk Village	$4,200,000	2015
• Wells 13 & 14 with Water Treatment Plant	Frankfort	$4,100,000	2015
• North Reservoir Water Pump Station	Alsip	$2,900,000	2013
• Water Bond Water Main Replacements	Midlothian	$2,600,000	2012

WASTEWATER DESIGN

Design and management of all components of sanitary sewer infrastructure, including wastewater treatment plants, lift stations, force mains, sanitary sewers, and permitting.

• Regional WWTP Flow Equalization Pond	Frankfort	$2,025,000	2017
• Golf Course Lift Station Rehabilitation	Blue Island	$186,000	2017
• Centrifuge Addition	Mokena	$723,000	2016
• WWTP Blower Replacements	Romeoville	$354,000	2015
• Main Lift Station Rehabilitation	MCD	$2,700,000	2015
• Pump Station Renovation	Calumet City	$3,000,000	2014
• Taft St. Lift Station Expansion	MCD	$3,500,000	2012
• North WWTP Expansion	Frankfort	$3,100,000	2009
• Broadfield Lift Station Expansion	MCD	$600,000	2009
• Regional WWTP Expansion	Frankfort	$13,100,000	2008
• WWTP Expansion	Lockport	$10,600,000	2008
• Lift Station 1 Upgrade	St. John	$1,100,000	2008

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PAUL R. RUSCKO, PE

Senior Project Manager

An industry professional with over 18 years of municipal experience, Mr. Ruscko has served as Director of Public works for two municipalities, as well as a Project Manager and Project Engineer, specializing in municipal water & wastewater systems.

CITY OF WOODSTOCK (2013-2015)

Served as Public Works Director, implemented and managed short and long-term capital projects to provide reliable municipal infrastructure.

- Responsible for developing and overseeing $9M budget and 48 employees
- Active participant in the McHenry County Council of Mayors and the Public Transportation Advisory Committee

VILLAGE OF LAKEWOOD (2007-2013)

Served as Public Works Director, reorganized the department, improving water & wastewater treatment supervision.

- Instituted annual water main and water service valve maintenance program to ensure that equipment would function properly in an emergency situation
- Acquired federal funds (CMAQ) to build bicycle lanes along a heavily traveled thoroughfare
- Implemented BMPs for a low lying zoning district to reduce the release of storm water and pollutants to neighboring properties and public waters
- Developed and implemented 14 public works and special service area budgets

PROJECT MANAGER & PROJECT ENGINEER

Professional Engineer and Manager for numerous client projects and internal departments

HR Green, Inc.

- Collaborated with four consulting firms to complete a $61M wastewater treatment system consolidation
- Senior Project Manager, providing engineering and project management for client projects
- Served as Manager and mentor for engineers and construction technicians

Baxter & Woodman, Inc.

- Oversaw $11.3 M wastewater treatment plant expansion, completed on time
- Led all phases of municipal infrastructure planning, design, and construction; taking projects from concept to completion
- Submitted applications and obtained permits/authorization/releases from USACE, IEPA, IDNR, IHPA, CMAP, McHenry County, etc., as required for each project
- Supervised and coached new project engineers and field engineers

EDUCATION

Bachelor of Science, Civil Engineering
University of Illinois Urbana -Champaign

Associate of Engineering Science
College of Lake County

PROFESSIONAL REGISTRATION

Registered Professional Engineer
Illinois

PROFESSIONAL CERTIFICATIONS

IEPA Wastewater Treatment Works Operator, Class 4

PROFESSIONAL AFFILIATIONS

American Public Works Association (APWA)

Illinois Water Environment Association (IWEA)

Central States Water Environment Association (CSWEA)

Fox Valley Operator's Association (FVOA)

EMPLOYMENT HISTORY

Robinson Engineering, Ltd.
2017-Present

HR Green, Inc.
2015-2017

City of Woodstock
2013-2015

Village of Lakewood
2007-2013

Baxter & Woodman, Inc.
1999-2007

Abbott Laboratories (Internship)
1998-1999

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JOHN J. BEISSEL, PE

DuPage Field Operations Manager

Mr. Beissel is a management level industry professional, having served a 30-year career with the Cook County Department of Highways (CCDOTH). He was on the Chicago Metropolitan Agency for Planning (CMAP) Transportation Committee. Working out of the DuPage County office, he is working with the Village of Itasca as it relates to infrastructure impacts due to the Elgin O'Hare Expressway Project (ISHTA EOWA) and is supporting various client projects.

EDUCATION

Graduate Degree Certificate Construction Management

Illinois Institute of Technology

Bachelor of Science, Civil Engineering

Illinois Institute of Technology

PROFESSIONAL REGISTRATION

Registered Professional Engineer
Illinois

PROFESSIONAL CERTIFICATIONS

IDOT Documentation of Contract Quantities

OSHA 10 Hour Outreach Training Program - Construction

PROFESSIONAL AFFILIATION

American Society of Civil Engineers (ASCE)

EMPLOYMENT HISTORY

Robinson Engineering, Ltd.
2014-Present

Cook County Department of Transportation & Highways (CCDOTH)
1984-2013

ROBINSON ENGINEERING, LTD.

Field Construction Engineering oversight and field staff and management coordination. Ensures construction inspection efforts meet and exceed clients' needs, assist in troubleshooting concerns related to construct-ability, utility coordination, construction staging impacts, and provide weekly updates related to construction progress and daily interactions with construction representatives.

- IL Tollway, Elgin O'Hare Expwy. Western Access (sanitary/watermain relocates, street construction, bridge enhance (7 contracts) Itasca $12.3M, 2013-present

• Pedestrian Improvements, FAU	Itasca	$960,000	2017
• South York Street Resurfacing, FAU	Elmhurst	$700,000	2016
• MFT Roadway Program	North Barrington	$450,000	2015
• South Side Drainage Improvements	Itasca	$710,000	2015
• Happy Acres Detention Pond Imp.	Itasca	$250,000	2015
• Residential Basins CIPP Sanitary	Elk Grove	$3,100,000	2015
• Industrial Basin CIPP Sanitary	Elk Grove	$860,000	2015
• Devon Avenue Sanitary	Elk Grove	$95,000	2015

COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS

His extensive background with the county includes:

- 20 years in the CCDOTH Construction Bureau. 13 years as a Resident Engineer and later as the North Cook County Construction Area Supervisor
- Served as the appointed Bureau Chief of Transportation and Planning (T&P)
- Appointed Asst. Superintendent, Office of the Superintendent of Highways
- Selected for the IL Department of Transportation's Executive Leadership Development Series and American Traffic Safety Services Association
- Manage Bureau Chiefs: 120 employees, engineers, and support staff

PROGRAM DEVELOPMENT & PROJECT MANAGEMENT

- Assistant Superintendent, involved in long range Transportation Plan
- T&P Bureau Chief, led the implementation of the CCDOTH's first Asset Program, pavement mgmnt. Worked with CMAP for future regional growth
- Resident Engineer for the EOWA grade separation over Meacham/Medinah
- Directed multi-million dollar projects from conception to completion as Resident Engineer in the CCDOTH Construction Bureau, including:
  - $18M road extension, Lake-Cook Rd. over Milwaukee Avenue; IDOT and Buffalo Grove
  - $6M project, created an architectural sound wall and berm outside the Chicago Botanic Gardens, included landscaping; Glencoe, IL
  - $21M project to restore bituminous pavement, 42-inch water main install, drainage, lighting, pedestrian bridge. Glenview, IL
  - $13M Pavement preservation project including concrete rehabilitation, curb & gutter replacement, bituminous overlays, and drainage

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ROBERT W. BORCHERING, PEI

Resident Engineer

EDUCATION

Bachelor of Science, Civil Engineering

Southern Illinois University

PROFESSIONAL REGISTRATION

Professional Engineer Intern

CERTIFICATIONS

Certified Public Infrastructure Inspector (CPII)

IDOT Documentation Certified 14-0055

EMPLOYMENT HISTORY

Robinson Engineering, Ltd.
2001-Present

Patrick Engineering
1995-2001

Terracon Consultants
1994-1995

Mr. Borchering has 23 years experience in civil engineering as a construction engineer. He is responsible for construction inspection and documentation of projects from $1.5 to $5 million dollars, which include underground utility installation and roadway improvements. He has also worked on a variety of environmental projects, including soil analysis, landfill studies and vegetation reclamation.

STORMWATER MANAGEMENT

Provided construction observation for local and regional detention ponds, storm sewers improvements, and restoration of wetlands.

• Roadway Culvert Improvements	N. Barrington	$80,000	2016
• South Side Drainage Improvement	Itasca	$862,000	2015
• Downtown Capital Improvements	Minooka	$6,000,000	2008
• Barrets Area Detention Pond Phase 2	Tinley Park	$2,002,000	2007
• Wetland	Downers Grove	$60,000	2003
• Brookside Glen-New Subdivision	Tinley Park	$40,000	2003

WATER & SEWER

Provided construction observation and testing for new water and sewer projects. Inspection and various field tests on existing sewer systems.

• US Route 30 Watermain Relocation	Frankfort	$320,000	2011
• I/I Inspection	Crest Hill	$240,000	2009
• House Inspections	Olympia Fields	$100,000	2009
• I/I Inspection	Tinley Park	$40,000	2009

TRANSPORTATION

Provided construction observation for transportation projects, including Local Agency Pavement Preservation (LAPP) that include pavement reconstruction, traffic signals and bridge construction.

• Pedestrian Improvements, FAU	Itasca	$960,000	2017
• South York Street Resurfacing, FAU	Elmhurst	$700,000	2016
• Elgin O'Hare Expressway *(Local Infrastructure)*	Itasca	$1,000,000	2016
• MFT Resurfacing Program	N. Barrington	$450,000	2016
• Hamilton Lakes SSA Resurfacing	Itasca	$2,400,000	2014
• Park Blvd. STP Resurfacing	Itasca	$900,000	2014
• CMD SSA Resurfacing	Itasca	$800,000	2014
• 127th & Sacramento new signals and turn lanes, FAU	Frankfort	$1,200,000	2013
• MFT Resurfacing	Frankfort	$580,000	2013
• Homer Glen Bike Path, FAU	Homer Glen	$1,340,000	2010
• US Rte. 30 at 80th & Locust, FAU	Frankfort	$1,100,000	2009
• Oak Park Avenue LAPP	Tinley Park	$1,100,000	2009

LAND DEVELOPMENT

Provide construction observation for new subdivision site work that includes earthwork, roadways and underground utilities.

• Residence at Hamiton Lakes	Itasca	$50,000	2016
• American Academy of Pediatrics	Itasca	$50,000	2016
• Hartz Town Point	Tinley Park	$50,000	2005

Robinson ENGINEERING

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REGAN RICE

Resident Engineering Technician

Mr. Rice is a Public Works seasoned professional and licensed EPA Water Plant Operator, Class C, with more than 40 years of experience working with municipal infrastructure. Mr. Rice held the position of Deputy Director of Public Works for the City of Hickory Hills for 40 years. In addition to managing the department of 20, he was also involved in a hands-on capacity, including reviewing plans, inspecting all water and sewer installations, ordering related parts, supplies, and equipment, testing and treating the water supply, and collecting EPA water samples.

STORMWATER MANAGEMENT

Extensive experience in various types of municipal stormwater systems. Provide construction observation for numerous projects. Resident Engineering services, working closely with Professional Engineers and municipal clients to ensure projects are completed according to specifications.

• Ward 2 Forest View Avenue Reconstruction	Wood Dale	$1,300,000	July 2017
• Ward 3 Storm Sewer Improvements Prospect Avenue & Potter Street	Wood Dale	$370,000	2016
• Elgin O'Hare Western Access (enclosed storm sewer system)	Itasca	$16,000,000	2015 Ongoing

WATER & SEWER

Extensive background in sanitary sewer inspections, lining rehabilitation (over 40,000 LF completed under his supervision during his professional career)

Provides Resident Engineering services to ensure that projects are built according to plans and specifications, including reviewing payout requests, for the following projects:

• Elgin O'Hare Western Access	Itasca	$16,000,000	2015 Ongoing
• Residential CIPP	Elk Grove	$1,000,000	2015
• Business Park CIPP	Elk Grove	$3,000,000	2015

TRANSPORTATION

Resident Engineering service to determine that projects were built according to plans and specifications, reviewed payout requests for the following projects:

• Elgin O'Hare Western Access Pavement Reconstruction	Itasca	$16,000,000	2015 Ongoing

EDUCATION

Coursework

Moraine Valley College

EPA Water & Wastewater Operators Seminars

University of Wisconsin, Madison

PROFESSIONAL CERTIFICATIONS

IL Public Water Plant Operator - Class C

PROFESSIONAL AFFILIATIONS

South Suburban Water Works Association, Current Member; Past President 1990-1992

EMPLOYMENT HISTORY

Robinson Engineering, Ltd.
2014-Present

City of Hickory Hills
Deputy Director of Public Works
1974-2014

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RANDELL E. GANN, PLS

Manager, Land Surveying Department

Mr. Gann has more than 25 years of experience, including over 7 years of field experience in all phases of land surveying, including public and private clients (e.g. school districts, municipalities, subdivisions). He has completed several federal aid and state projects for land surveys, land title surveys (ALTA), plat of highway and other right-of-way (ROW) documents, including horizontal and vertical controls, research of recorded documentation, reviewing and writing legal descriptions, drafting plats, client communications and interaction and Quality Assurance & Control (QA/QC).

EDUCATION

Bachelor of Science, Land Surveying

Purdue University

West Lafayette, Indiana

PROFESSIONAL REGISTRATIONS

Professional Land Surveyor

Illinois, Indiana

PROFESSIONAL AFFILIATIONS

Illinois Professional Land Surveyors Association (IPLSA)

Indiana Society of Professional Land Surveyors (ISPLS)

National Society of Professional Surveyors (NSPS)

SURVEYING EMPLOYMENT HISTORY

Robinson Engineering, Ltd.
1991-Present

FEDERAL AID AND STATE SURVEYS

Handles various facets of land surveying as related to land boundaries, existing ROW determinations new ROW acquisitions, street ROWs, easement limits, and engineering topography for local route and state projects, including those for the Illinois Department of Transportation (IDOT).

• Vollmer Road @ Western Ave Existing ROW	Cook County	In progress
• Smith Road @ Gougar Road	Manhattan	In progress
• Illinois Route 22 New & Existing ROW	IDOT	In progress
• US Rte. 14 New & Existing ROW	IDOT	2015
• Illinois Route 83 @ US Route 6 Existing ROW	Calumet City	2014
• Wolf Road (at 183rd St.) New & Existing ROW	IDOT	2011
• IL Rte. 173 @ Nippersink Creek Existing ROW Determination	IDOT	2010
• US Rte. 30 Existing New & Exist. ROWs	IDOT	2010

SUBDIVISION SURVEY AND RIGHT-OF-WAY

Oversight and responsibility for all facets of land surveying related to the determination of existing land boundaries, plats of subdivision, determination of existing ROW and the creation of new ROWs or easements necessary for engineering and site improvements.

• GC America Topographic ALTA/ACSM	Alsip	2016
• First National Bank of Illinois	Various Locations	2013
• Knottingham Subdivision Roadway Reconstruction & Watermain Replace	Downers Grove	2011
• Norfolk Southern Railroad Properties Survey	Manhattan	2010
• Re-subdivision Butternut Ridge	Manhattan	2010
• Town Center	South Holland	2008

SITE AND ROUTE SURVEYING MAPPING

Oversight and responsibility for land surveying related to the determination of land boundaries for large scale projects related to the installation of utility infrastructure consisting of several hundred parcels adjacent to both state and rural routes where right of ways were both existent and non-existent.

• Lake, Porter, & LaPorte Indiana Surveying	LAMAR Advertising	Ongoing
• Pleasant Ridge Wind Farm (Invenergy)	Livingston County	2015
• Enbridge Line 78 (QPS Engineering)	Cook, Kankakee, & Will County	2014

LAND SURVEYING DEPARTMENT MANAGER (MAY 2012-PRESENT)

ASSISTANT DEPARTMENT MANAGER (1999-April 2012)

Handles estimating, budgeting, and reporting of department tasks for Robinson Engineering. Oversees project QA/QC, performs survey calculations, and coordinates field and office surveying activities necessary to verify adherence to scope of services, client satisfaction and standard field procedures.

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ANDREW P. GULDEN

CADD Department Manager, Engineering CADD Technician

EDUCATION

Associate of Science, Computer Aided Design
Joliet Junior College

CERTIFICATIONS

Autodesk Land Development Desktop (ALDD), Certified

Autodesk Civil Design for Roads (ACDR), Certified

Autodesk Civil Design for Site Development (ACDSD), Certified

EMPLOYMENT HISTORY

Robinson Engineering, Ltd.
1994-Present

Mr. Gulden has 23 years' experience as a Computer Aided Drafting and Design (CADD) Technician. He has served as the Assistant Department Manager, and is currently the CADD Department Manager for Robinson Engineering. Mr. Gulden handles all facets of department business, while also heavily involved in his own CADD project workload. His projects include road reconstruction, site development, stormwater management, as well as site design for building additions.

COMPUTER AIDED DESIGN - TRANSPORTATION

Prepares and oversees plan design for numerous large road reconstruction projects for clients, meeting Federal/State guidelines, working closely with municipal engineers.

• Halsted at 174th Street	E. Hazel Crest	2016
• 183rd St. & Oak Park Ave. Roundabout	Tinley Park	2015
• Joe Orr Rd- Torrence Ave. to Burnham Ave.	CCDOTH	2014
• Center Street Reconstruction	Harvey	2014
• Knottingham Subdivision Roadway Reconstruction and Watermain Replacement	Downers Grove	2012
• 183rd St. Reconstruction (US Rte. 45 - 80th Ave.)	Tinley Park	2009

COMPUTER AIDED DESIGN - SITE DEVELOPMENT

Prepares and oversees infrastructure design plans for all aspects of site development/redevelopment projects, which include drainage/stormwater management, lot development, streets, sidewalks, water mains, etc. Also involved in site design for building additions.

• Glenwoodie Golf Course Improvements	Glenwood	2009
• School District 168 Site Improvements building additions, 3 schools	Sauk Village	2008
• Town Center Redevelopment	South Holland	2006
• Barretts Pond	Tinley Park	2005

DEPARTMENT MANAGER (2009-present)

Serves as Robinson Engineering's CADD Department Manager, overseeing staff, coordinating project schedules and assignments and time lines for department projects, including coordination with Field and Engineering Departments during construction. Handles all facets of department business, including budgeting, hiring, reporting, and resource allocation.

ASSISTANT DEPARTMENT MANAGER (2000-2008)

Served as Robinson Engineering's Assistant CADD Department Manager, overseeing large projects and assisting the department manager on related business on a daily basis.

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DOUGLAS E. BRESHOCK, CESSWI, CPII

Field Superintendent

EDUCATION

Civil Engineering Technology Program

Purdue University

CERTIFICATIONS & TRAINING

Fed. Highway Administration
Safety Bridge Inspector Certified

IDOT Documentation Certified 14-0321

Enviro Cert International, Inc., Certified
Erosion Sewer & Stormwater Inspection

INDOT Technician Program, Certified

IDOT Technology Transfer Program
Certifications:

Work Zone Safety

IDOT Standard Earth Density

Drainage Structure Const. Inspection

Pavement Maintenance

SuperPave

Construction Staking

Pavement Construction Inspection

Highway Engineering Principles

CEC/IDOT
2002 Construction Services Seminar

American Public Works Association
Certified Public Infrastructure Inspector
(CPII)

EMPLOYMENT HISTORY

Robinson Engineering, Ltd.
1976-Present

Mr. Breshock, Field Superintendent, has over 41 years' experience with Robinson Engineering, Ltd., serving in numerous capacities. He has worked his way through the ranks from field crew member to Field Manager, managing a staff of 21 Engineering Technicians, Resident Engineers, and 5 survey field crews. He has vast experience in construction management, inspection, and documentation, including countless FAU projects and Motor Fuel Tax (MFT) projects in Illinois and Indiana and over 40 federal aid highway projects.

STORMWATER MANAGEMENT

Provide observation/oversight for storm sewer aspects of transportation projects. Representative project experience includes:

• Kostner Avenue	Alsip	$1,500,000
• Main Street	Glenwood	$2,100,000
• Rathje Road	Peotone	$1,800,000
• 168th and State Street	South Holland	$2,400,000

TRANSPORTATION

Provide construction observation for related projects that include pavement reconstruction, traffic signals and bridge construction. Has extensive transportation experience as both a resident engineer and supervisor. Representative project experience includes:

• Kostner Avenue	Alsip	$1,500,000
• 127th Street Lighting	Alsip	$650,000
• Main Street	Glenwood	$2,100,000
• Ridge Road	Lansing	$960,000
• Rathje Road	Peotone	$1,800,000
• 168th and State Street	South Holland	$2,400,000

BRIDGE INSPECTIONS

Enlisted by local municipalities to conduct bridge inspections to fulfill inspection requirements (two to four years based on conditions), in accordance with the National Highway Institute's National Bridge Inspection Standards. Certified Safety Bridge Inspector with the Federal Highway Administration.

FIELD SUPERINTENDENT

Manages the full 30 member field crew of engineering technicians, resident engineers, and survey field crews responsible for coordinating all construction management projects.

MANAGEMENT & COORDINATION

Manages 5 field crews, overseeing topographical surveys and construction staking, troubleshoots any issues relating to construction projects and staking, works closely with municipalities throughout the construction process. Schedules, manages, and mentors 21 Resident Engineers and Inspectors.

• Dyer Central Park	Dyer	$30,000,000
• Munster Centennial Park	Munster	$28,000,000

Section A

Required Forms & Documentation

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

February 9, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Christopher King
ROBINSON ENGINEERING, LTD.
17000 South Park Avenue
South Holland, IL 60473

Dear Christopher King,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Mar 31, 2016. Your firm's total annual transportation fee capacity will be $32,800,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 173.06% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until March 31, 2017. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR ROBINSON ENGINEERING, LTD.

CATEGORY	STATUS
Special Studies - Pump Stations	X
Special Services - Construction Inspection	X
Special Studies - Lighting: Typical	A
Structures - Highway: Simple	X
Special Services - Mechanical	X
Special Studies - Traffic Studies	X
Special Studies - Feasibility	X
Structures - Highway: Typical	A
Special Studies - Traffic Signals	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Hydraulic Reports - Waterways: Typical	X
Highways - Roads and Streets	X
Location Design Studies - Rehabilitation	X
Special Studies - Safety	X
Special Services - Sanitary	A
Special Studies - Location Drainage	X
Special Services - Electrical Engineering	X
Special Services - Surveying	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- ☐ Design Engineering
- ☐ Wastewater Improvements
- ☐ Stormwater Engineering
- ☐ Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: 

Print Name .....: Aaron E. Fundich, PE

Position/Title.....: Executive Vice President

Company Name ...: Robinson Engineering

Address line 1 .....: 127 N. Walnut Street, Suite 200

Address line 2 .....: Itasca, IL 60143

Telephone.....: (815) 412-2701

APPENDIX 2

VILLAGE OF BENSENVILLE
ENGINEER'S CERTIFICATION

Aaron E. Fundich, having been first duly sworn depose and states as follows:
(Officer or Owner of Company)

Robinson Engineering, Ltd., having submitted a proposal for:
(Name of Company)

Short Lists for Civil Engineering Services to the Village of Bensenville, hereby certifies that said ENGINEER:

1. has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-105(A) (4).

2. is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, or if it is:
    a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the approve Revenue Act; or
    b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.

3. is in full compliance with the Federal Highway Administration Rules on Controlled Substances and Alcohol Use and Testing, 49 CFR Parts 40 and 382 and that all employee drivers
(Name of employee/driver or "all employee drivers")
is/are currently participating in a drug and alcohol testing program pursuant to the aforementioned rules.

By: Aaron E. Fundich
Officer or Owner of Company named above

Subscribed and sworn to
before me this 18 th
day of October, 2017.

Jeanne Burdin
Notary Public

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 9/18/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER The Horton Group 10320 Orland Parkway Orland Park IL 60467	**CONTACT NAME:** Share Service Team **PHONE (A/C, No, Ext):** 708-845-3918 **FAX (A/C, No):** **E-MAIL ADDRESS:** constructioncerts@thehortongroup.com
INSURED ROBIENG-01 Robinson Engineering Ltd 17000 South Park Avenue South Holland IL 60473	**INSURER(S) AFFORDING COVERAGE** / **NAIC #** **INSURER A :** Continental Casualty Company 20443 **INSURER B :** Evanston Insurance Company 35378 **INSURER C :** The Travelers Indemnity Company of 25666 **INSURER D :** **INSURER E :** **INSURER F :**

COVERAGES **CERTIFICATE NUMBER:** 1773323519 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	**GENERAL LIABILITY** X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC			6023587947	1/1/2017	1/1/2018	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG $	$1,000,000 $300,000 $15,000 $1,000,000 $2,000,000 $2,000,000
A	**AUTOMOBILE LIABILITY** X ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS			6023587933	1/1/2017	1/1/2018	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) $	$1,000,000 $ $ $ $
A	X **UMBRELLA LIAB** X OCCUR **EXCESS LIAB** CLAIMS-MADE DED X RETENTION $ 10,000			6023587916	1/1/2017	1/1/2018	EACH OCCURRENCE AGGREGATE $	$10,000,000 $10,000,000
A	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		6023587897	1/1/2017	1/1/2018	X WC STATU-TORY LIMITS OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $1,000,000 $1,000,000 $1,000,000
B C A	Professional Cyber Liability Drone Liability			MKLV7PL0002858 106626323 6023587947	9/9/2017 11/7/2016 6/22/2017	9/9/2018 11/7/2017 1/1/2018	Occ / Agg Limit Limit	2,000,000 1,000,000 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Additional insured on a primary and non-contributory basis with respect to general liability and auto liability only when required by written contract: See Attached;Waivers of subrogation applies to the general liability, auto liability and workers compensation in favor of the stated additional insureds only when required by written contract.

CERTIFICATE HOLDER

FOR INFORMATIONAL PURPOSES ONLY

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Karen Mixes

© 1988-2010 ACORD CORPORATION. All rights reserved.

Litigation

Instructions: List any lawsuits filed against the firm, concerning any services rendered from January 1, 2012, to the present. Include case name, case number, court in which case was heard or filed, basis of lawsuit and outcome.

1.	**Case Name**	Town of Munster, IN v Larson Danielson Construction, et al
	Case #	45C01-1604-PL-35
	Court	Lake County Circuit Court Sitting in Crown Point, IN
	Basis	3rd Party Complaint for Contribution
	Outcome	On-Going

2.	**Case Name**	City of Chicago Heights, IL v Village of Lansing, IL & REL et al
	Case #	14 L 8941
	Court	Circuit Court of Cook County, IL, County Department, Law Division
	Basis	Negligence & Breach of Contract
	Outcome	Settled

3.	**Case Name:**	Lyles v Gallagher Asphalt & REL et al
	Case #:	14 L 3162
	Court:	Circuit Court of Cook County, IL County Department, Law Division
	Basis:	Negligence
	Outcome:	REL released from litigation by mutual consent of parties.

Professional

Engineering

Services

Establishment of Short-Lists for Civil Engineering Services



Statement of Qualifications

Village of Bensenville, IL

October 19, 2017

Contact Information

Troy Stinson, P.E.
Strand Associates, Inc.®
910 W. Wingra Drive
Madison, WI 53715
(608) 251-4843

STRAND ASSOCIATES®

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

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Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 7/11/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Susan Simoneau
Ansay & Associates, LLC. MSN 702 N High Point Road Suite 201 Madison WI 53717	PHONE (A/C, No, Ext): 800-643-6133 FAX (A/C, No): 608-831-4777 E-MAIL ADDRESS: sue.simoneau@ansay.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : CNA Insurance Companies	35289
INSURER B :	
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED	
Strand Associates, Inc 910 W. Wingra Drive Madison WI 53715	STRAASS-01

COVERAGES **CERTIFICATE NUMBER:** 190393984 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	**GENERAL LIABILITY** X COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR X XCU cov. incl. X Blkt.Contractual GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [ ] LOC			5099170076	1/1/2017	1/1/2018	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG $	$1,000,000 $900,000 $5,000 $1,000,000 $2,000,000 $2,000,000 $
A	**AUTOMOBILE LIABILITY** X ANY AUTO [ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS X HIRED AUTOS [X] NON-OWNED AUTOS			5099170062	1/1/2017	1/1/2018	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) $	$1,000,000 $ $ $ $
A	X **UMBRELLA LIAB** [X] OCCUR **EXCESS LIAB** [ ] CLAIMS-MADE [ ] DED [X] RETENTION $ 10,000			5099170059	1/1/2017	1/1/2018	EACH OCCURRENCE AGGREGATE $	$2,000,000 $2,000,000 $
A	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		WC595126844	1/1/2017	1/1/2018	X WC STATU-TORY LIMITS [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $1,000,000 $1,000,000 $1,000,000
A	Professional Liability Full Prior Acts			AEH113974097	7/11/2017	7/11/2018	Each Claim Aggregate Full Prior Acts	2,000,000 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER

Blank Certificate

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



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STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [2] Design Engineering
- [1] Wastewater Improvements
- [ ] Stormwater Engineering
- [3] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: 

Print Name .....: Matthew S. Richards

Position/Title.....: Corporate Secretary

Company Name ...: Strand Associates, Inc.®

Address line 1 .....: 910 West Wingra Drive

Address line 2 .....: Madison, WI 53715

Telephone.....: 608-251-4843

Litigation

We do not have any lawsuits that will prevent us from providing excellent service to the Village or completing the services under this Statement of Qualifications. If desired, we can meet with Village staff to discuss any concerns they may have.

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

September 13, 2016

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Darcie Gabrisko
STRAND ASSOC., INC.
1170 Houbolt Road
Joliet, IL 60431

Dear Darcie Gabrisko,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $88,800,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 152.34% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR STRAND ASSOC., INC.

CATEGORY	STATUS
Environmental Reports - Environmental Impact Statement	X
Highways - Roads and Streets	X
Location Design Studies - Rehabilitation	X
Hydraulic Reports - Waterways: Typical	X
Special Services - Mechanical	X
Special Studies - Location Drainage	X
Hydraulic Reports - Waterways: Complex	X
Structures - Highway: Typical	X
Location Design Studies - New Construction/Major Reconstruction	X
Special Services - Sanitary	X
Hydraulic Reports - Pump Stations	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Special Studies - Pump Stations	X
Special Studies - Traffic Signals	X
Structures - Highway: Advanced Typical	X
Special Services - Electrical Engineering	X
Structures - Highway: Simple	X
Special Studies - Traffic Studies	X
Special Studies - Feasibility	X
Environmental Reports - Environmental Assessment	X
Highways - Freeways	X
Special Services - Landscape Architecture	X
Special Studies - Safety	X
Special Services - Construction Inspection	X
Special Studies - Lighting: Typical	A

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

October 18, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Darcie Gabrisko
STRAND ASSOC., INC.
1170 Houbolt Road
Joliet, IL 60431

Dear Darcie Gabrisko,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2016. Your firm's total annual transportation fee capacity will be $88,800,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 151.57% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2017. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR STRAND ASSOC., INC.

CATEGORY	STATUS
Special Studies - Traffic Signals	X
Special Services - Electrical Engineering	X
Special Studies - Feasibility	X
Location Design Studies - New Construction/Major Reconstruction	X
Special Services - Sanitary	X
Highways - Freeways	X
Special Services - Landscape Architecture	X
Special Studies - Safety	X
Special Studies - Pump Stations	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Special Services - Mechanical	X
Location Design Studies - Rehabilitation	X
Highways - Roads and Streets	X
Special Services - Construction Inspection	X
Structures - Highway: Simple	X
Structures - Highway: Advanced Typical	X
Structures - Highway: Typical	X
Special Studies - Traffic Studies	X
Environmental Reports - Environmental Impact Statement	X
Environmental Reports - Environmental Assessment	X
Special Studies - Lighting: Typical	A
Special Studies - Location Drainage	X
Hydraulic Reports - Pump Stations	X
Hydraulic Reports - Waterways: Complex	X
Hydraulic Reports - Waterways: Typical	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

State of Illinois

Department of Financial and Professional Regulation

Division of Professional Regulation

LICENSE NO.
184.001273-0006
062.050519

The person, firm, or corporation whose name appears on this certificate has complied with the provisions of the Illinois Statutes and/or rules and regulations and is hereby authorized to engage in the activity as indicated below:

EXPIRES:
04/30/2019

DESIGN FIRM - PROF/STRUCT ENGINEER

STRAND ASSOCIATES INC
910 W WINGRA DR
MATTHEW S RICHARDS
MADISON, WI 53715-1943

BRYAN A. SCHNEIDER
SECRETARY

JESSICA BAER
DIRECTOR

The official status of this license can be verified at www.idfpr.com

11624309

Cut on Dotted Line

For future reference, IDFPR is now providing each person/business a unique identification number, 'Access ID', which may be used in lieu of a social security number, date of birth or FEIN number when contacting the IDFPR. Your Access ID is: 985755

Strand Associates, Inc.®
910 West Wingra Drive
Madison, WI 53715
(P) 608-251-4843
(F) 608-251-8655

October 19, 2017

Mr. Joseph M. Caracci, P.E.
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, IL 60106

Re: Request for Statements of Qualification for Establishment of Short-Lists for Civil Engineering Services

Dear Mr. Caracci:

On behalf of Strand Associates, Inc.®, thank you for the opportunity to provide our Statement of Qualifications (SOQ) for the Village of Bensenville's Establishment of Short-Lists for Civil Engineering Services. The categories that we will be submitting for are Wastewater-Related Improvements, Design Engineering, and Resident Engineering.

We have developed a strong relationship with Village staff through the WWTF Improvements project and can bring that experience along with our expertise in other aspects of civil engineering to continue to deliver successful and cost-effective projects for the Village. The following factors will contribute to achieving the goals of the Village:

- **More than 70 years of service signifies organizational strength and commitment to quality.**
- **Knowledge from previous work for the Village transfers similar experience to successful projects.**
- **Experienced project team leads to successful projects for the Village.**

We sincerely appreciate the opportunity to continue assisting the Village. If there are any questions or comments, or if additional information is needed, please call me at (608) 251-4843.

Sincerely,

STRAND ASSOCIATES, INC.®

Troy W. Stinson, P.E., Senior Associate
Project Manager

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Statement of Qualifications

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- Statement of Qualifications Form
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- City of Lockport – Phase I, II, and III Engineering Services
- Village of Oak Park – Design and Construction Engineering Services
- Village of Mt. Morris – Wastewater Treatment Upgrades
- KRMA – Planning, Design, and Construction of WWTP
- Village of Deerfield – Water Reclamation Facility Upgrades
- Village of Roselle – WWTP Clarifier Improvement
- City of Joliet – WWTP Improvements
- Village of Bensenville – Wastewater Treatment Facility Improvements Project

Statement of Qualifications

More Than 70 Years of Service Signifies Organizational Strength and Commitment to Quality

Strand Associates, Inc.®, has been providing exceptional civil and environmental engineering services to our clients since 1946. We attribute our organizational strength to our talented engineers, effective management, and, most of all, commitment to nurturing long-term client relationships.

Our Corporate Mission states that we are *dedicated to helping our clients succeed through excellence in engineering.* In accordance with this mission, we are continually expanding our staff and service offerings to broaden our base of experience and knowledge so that we can provide more creative and comprehensive solutions to meet the continually evolving needs of our clients. Our areas of specialization include civil and municipal engineering; stormwater management; water supply engineering; wastewater treatment and conveyance engineering; transportation engineering; electrical and HVAC engineering; building/facility engineering, architecture, and sustainable design; aviation; natural gas distribution; wetland delineation, mitigation, and restoration; ecosystem study and restoration; GIS and mapping; land development; construction observation; and financial assistance services.

To serve our national client-base effectively, we have 11 offices throughout the country, including offices in Madison and Milwaukee, Wisconsin; Indianapolis and Columbus, Indiana; Columbus, and Cincinnati, Ohio; Joliet, Illinois; Lexington and Louisville, Kentucky; Phoenix, Arizona; and Brenham, Texas.



Our office in Joliet, Illinois.

As requested, the following information is included before this section in this Statement of Qualifications (SOQ).

- Consultant Evaluation Form
- Certificate of Insurance
- Statement of Qualifications Form
- Litigation Table
- Illinois Department of Transportation “Statement of Experience and Financial Condition” Prequalification

Similar Project Experience

Knowledge from Previous Work for the Village Transfers Similar Experience to Successful Projects

Through our ongoing work with the Village, including development of plans, designs, and construction administration services for the award-winning Bensenville WWTF Improvements project, we have developed a strong working relationship with Village staff and understand the Village's expectations for excellence in engineering. In addition to winning awards at the regional and state levels, this project was completed below the Village's budget as a result of minimal change orders and grants totaling more than $1.35 million through the IEPA, Illinois Clean Energy Foundation (ICEF), and Illinois Department of Commerce and Economic Opportunity Energy Now (DCEO) programs.



The Bensenville WWTF Improvements project won the 2017 ACEC IL Special Achievement Award and two 2017 APWA Public Works Project of the Year Awards.

The following summary presents a recent representative listing of our firm's experience with various design, wastewater, and resident engineering projects. Below, we have provided a summary listing of recent projects we have completed or are currently completing separated by the categories of interest the Village has indicated in its Request for Qualifications. A more detailed project experience table for each of the listed projects is included in this section and follows this summary listing.

- **Design Engineering**
- **Wastewater Related Improvements**
- **Resident Engineering**

Design Engineering Projects:

- Ravinia Avenue and 147th Street Roundabout / Village of Oak Park, IL
- Southside Interceptor / Wheaton Sanitary District, Wheaton, IL
- Gurnee Water Tower and Booster Station / Village of Gurnee, IL
- Ravinia Business District Utility Adequacy Study / Highland Park, IL

Wastewater-Related Improvements Projects:

- CMOM Assessment for the North WWTF and A.J. LaRocca WWTF / Village of Addison, IL
- SSES / Wilmington, IL
- St. Charles Road and Valley View Pumping Stations / Glenbard Wastewater Authority, IL
- Duck Creek West Basin A Sanitary Sewer I/I Project, Pumping Station System Assessment, Collection System and Manhole Assessment and Rehab/ Davenport, IA

Resident Engineering Projects:

- Read Street Reconstruction / City of Lockport, IL
- Gary Avenue Resurfacing / City of Wheaton, IL

Project / Client	Ravinia Avenue and 147th Street Roundabout / Village of Oak Park, IL
Scope of Work / (Contractor) / Client POC	We performed Phase I Planning and Phase II design engineering services for the Ravinia Avenue at 147th Street Roundabout project. The project will be the Village's first roundabout in a highly public area, and is scheduled for construction in 2018. The project consisted of detailed design of a single-lane roundabout. The intersection included four properties. The roundabout was strategically designed to squeeze into the existing corridor and avoid land acquisition from the property owners. The project also incorporated the possibility of a future boulevard section along the south leg of Ravinia Avenue. A comprehensive maintenance of traffic plan was developed to maintain two-way traffic on Ravinia Avenue at all times. The maintenance of traffic consisted of four main construction stages. Pedestrian-friendly amenities were included such as a bike path to provide connectivity with the John Humphrey Trail and future bike path extensions as well as filling of sidewalk gaps along the corridor. Ornamental street lighting was provided at the roundabout and on the approach legs. Our services included full lighting design with photometric analysis (using AGI32© software), voltage drop calculations, and intensive calculations to verify proper lighting uniformity due to the narrow right-of-way and short mast arms. All aspects of the project followed IDOT and FHWA policy because Phases II and III were STP funded. A highly critical location, this roundabout is on a corridor lined with Village and Township facilities, commercial development, and is heavily used by the police and fire departments. The existing intersection is also the main "gateway" entrance to the Village Hall complex. Coordination and presentations were made to Village staff and stakeholders including Police Department, Fire Department, and Village Committees at meetings open to the public. Three-dimensional models were used to showcase how the roundabout would look and function in both the present day and with 2040 traffic projections. **Contractor:** Construction in 2018 **Client POC:** Kurt Corrigan, Trans. and Engr. Manager, 708-403-6123
Project Team	Project Manager – Marc Grigas, P.E. Project Engineer – Bill Plant, E.I.T.
Construction Cost / Fee / Year	Estimate: $1.9M / Construction Scheduled 2018

Project / Client	Southside Interceptor / Wheaton Sanitary District, Wheaton, IL
Scope of Work / (Contractor) / Client POC	The Wheaton Sanitary District recognized the need to replace the southern portion of its collection system that dated as far back as 1926. The existing system of clay and corrugated metal pipe was deteriorating and exhibiting susceptibility to inflow, infiltration, and surcharging. The District selected us to study, plan, design, and administer and observe construction of approximately 2.4 miles of new 48-inch-diameter interceptor sewer. The project included relocating the existing sewer from environmentally-sensitive areas and residential backyards to public rights of way, as well as use of modern materials and construction techniques to limit disturbance in the City of Wheaton's established residential neighborhoods. Ancillary improvements included new water main, storm sewer, and local roadways along the interceptor corridor. The final project provided the District with a sustainable piping system; reduced excess flows and surcharging; increased capacity; and improved District staff accessibility to the system for maintenance, operation, and public safety. Since the project took place in well-established residential neighborhoods, programs were established to make sure the particular needs and concerns of the residents were being met. Weekly meetings, open to the public, were held that provided a regular venue for residents to voice concerns, learn about project progress and schedule, and talk directly to representatives of the contractor, engineer, and owner. These meetings became especially valuable when the project approached critical locations near schools or where traffic access would be affected. Since not all residents had the time to show up to the weekly meetings, links on the District's website that presented the overall project, weekly progress exhibits, detour routes, and anticipated project schedule were created. The site also provided e-mail connections to the project team, as well as the contact information and cell phone numbers of the RPRs. Additionally, public safety representatives from the Fire and Police Departments regularly met with the project team to discuss access concerns, confirm detours, and keep each other informed of specific project needs. The original project budget was $16,000,000. The total project cost was $14,422,000. **Contractor:** Benchmark Construction (Bartlett, IL) **Client POC:** Steve Maney, Executive Director, 630-668-1515
Project Team	Project Manager – Mike Waldron, P.E. Project Engineer – Marc Grigas, P.E.
Construction Cost / Fee / Year	$14,422,000 / $120,000 (Ph. I), $260,000 (Ph. II), $1.1M (Ph. III) / 2012

Project / Client	Gurnee Water Tower and Booster Station / Village of Gurnee, IL
Scope of Work / (Contractor) / Client POC	In January 2016 the Village of Gurnee hired our firm to develop preliminary design and prepare project planning documents to obtain a loan for the creation of a new water distribution pressure zone worth approximately $6 million under the IEPA Public Water Supply Loan Program. The Village of Gurnee was experiencing low water pressures in the western third of the Village, and required additional elevated storage, a new 3.6 MGD booster station, and new pressure zone and an overall higher hydraulic grade in the western third of the village. In August of 2016 IEPA Loan Project Planning Approval was granted, and the project was placed on the Intended use Plan, thus, successfully reserving funds. The Village hired us in 2017 to provide detailed design, and obtain needed geotechnical data, FAA, Lake County DOT, IDNR and IEPA technical permitting for a 2,000,000-gallon elevated tank, two high and low flow pressure reducing valve stations, and a 3.6 MGD booster station. We also provided assistance in navigating the IEPA Loan Process, by coordinating with the IEPA Loan Project Manager, developing front-end documents that comply with IEPA Loan requirements, and providing template documentation, sample ordinance, and general assistance to the Village Finance Director. To satisfy all the Village's needs, the 2,000,000-gallon elevated tank includes connection to existing transmission main, connection to Lake County Highway 31, and provision for installing multiple cellular antenna (current and future), fiber-optic, security cameras, and Village SCADA and emergency radio, as well as redundant power and automatic power transfer facilities. The tank design is currently complete and awaiting IEPA approval to bid. The pressure reducing valve design is nearing completion, and the booster station design is underway. The IEPA Loan process is on track to be complete by November; the project documentation and Village loan application process is under review. We currently anticipate project bidding in early 2018, with project loan approval anticipated in February 2018, and construction anticipated to occur in 2018. **Contractor:** For construction in 2018 **Client POC:** Scott Drabicki, P.E., Village Engineer, 847-599-7500
Project Team	Project Manager – Chris Ulm, P.E. Project Engineer – Tim Scholz, P.E.
Construction Cost / Fee / Year	Estimated $6.0M / $220,000 / Construction Anticipated 2018

Project / Client	Ravinia Business District Utility Adequacy Study / Highland Park, IL
Scope of Work / (Contractor) / Client POC	The Ravinia Business District in Highland Park is a highly valued neighborhood commercial district in close proximity to the Ravinia Festival Theater and the commuter train stop in the center of the District. Highland Park undertook a streetscape improvement and branding study to begin the process of revitalizing this District. At the same time, Highland Park also recognized the importance of having reliable infrastructure in place before they started spending money on streetscape improvements. Highland Park hired us to study the underground infrastructure and to determine needs for improvement. Our utility adequacy study entailed evaluating the City-maintained water main, sanitary sewer, and storm sewer utilities in the Ravinia Business district to determine structural integrity and capacity to handle current and future anticipated service needs. The findings of our study are currently being used to steer improvements needed to provide the City with a solid set of public utilities capable of serving the District into the projected future. We created the City's water model and used it to study flow conditions, fire flow capacity, identify necessary main upgrades, and water main break impacts. We also studied main age and material and made final recommendations for replacements to reinforce the distribution system. We created a spreadsheet model for the sanitary sewer system and identified projected and available flow capacity. We reviewed sewer televising and performed field investigations to determine system conditions and recommendations for rehabilitation and improvements. We performed a hydrologic evaluation of the watershed and created a dynamic hydraulic model using XP-SWMM to identify existing system capacity and to make recommendations to improve the system to meet current City standards. **Contractor:** To be determined **Client POC:** Ramesh Kanapareddy, Director of PW, 847-432-0807
Project Team	Project Manager – Mike Waldron, P.E. Project Engineer – Mike Ott, P.E. Project Engineer – Mike Williams, P.E.
Construction Cost / Fee / Year	TBD / $65,000 / 2013

Project / Client	CMOM Assessment for the North WWTF and A.J. LaRocca WWTF / Village of Addison, IL
Scope of Work / (Contractor) / Client POC	The Village of Addison, as the result of special conditions in each of its recent NPDES permits, was required to develop a Capacity, Management, Operation, and Maintenance (CMOM) program for the collection systems tributary to each of its two WWTF. We performed a CMOM assessment on behalf of the Village using the *Guide for Evaluating Capacity, Management, Operation, and Maintenance (CMOM) Programs at Sanitary Sewer Collection Systems*, which was developed by USEPA. The assessment, which was completed in December of 2016, included working with Village staff to obtain, evaluate, and organize existing information to document the Village's current CMOM program elements and compared them to the USEPA CMOM Guidance Document. Once we had fully assessed the Village's current CMOM program elements, we provided recommendations on how the Village could develop any missing CMOM program components, which were missing in the Village's existing information. **Contractor: N/A** **Client POC:** Rick Federighi - Director of Public Works, 630-620-2020
Project Team	Project Manager – Mike Waldron, P.E. Project Engineer – Michael Ott, P.E.
Construction Cost / Fee / Year	NA / $35,500 / 2016

Project / Client	SSES / Wilmington, IL
Scope of Work / (Contractor) / Client POC	The City of Wilmington operates a separate sanitary sewer system that has experienced large volumes of I/I in its collection system upstream of the wastewater treatment plant. The City hired us to perform a sanitary sewer I/I study to include the following: • A comprehensive flow metering program that included the installation of four flow meters in all of the sewers entering the WWTP. The flow metering data was analyzed and we provided recommendations for prioritizing I/I field investigations. • Manhole inspections for 600 manholes following the National and Association of Sewer Service Companies (NASSCO) Manhole Assessment and Certification Program coding standards. • Smoke testing of 180,000 feet of sanitary sewer. Services include development of a community communication plan and creation of property owner notifications on City letterhead. • Review of televising video of 180,000 feet of sanitary sewer. Flow metering, manhole inspections, and smoke testing have been completed to date. We have analyzed the data and provided televising recommendations to the City, which will be completed sometime in 2017. The findings of the investigations and review of the televising videos will be used to develop a capital improvement program, including prioritized rehabilitation projects and opinions of probable cost. **Contractor: N/A** **Client POC:** Darin Fowler, Superintendent of Water Reclamation 815-476-2175
Project Team	Project Manager – Mike Ott, P.E. Project Engineer – Will Denton, E.I.T. Technical Advisor – Andy Craven, P.E. Quality Control – Mike Waldron, P.E. GIS Technician – Dan Carpiaux
Construction Cost / Fee / Year	NA / $162,200 / 2016 – Ongoing

Project / Client	St. Charles Road and Valley View Pumping Station Upgrades / Glenbard Wastewater Authority, IL
Scope of Work / (Contractor) / Client POC	We have assisted the GWA with a number of WWTP facilities projects over the past 20 years to address both age and operational issues, including provision of plans, designs, and construction-related services for major upgrades to the St. Charles Road and Valley View Pumping Stations. Improvements to the St. Charles Road Pumping Station in Glen Ellyn included a new wet well, valve vault, and generator building that increased pumping station capacity from 7.5 to 10.6 mgd. The existing station was a wet well/dry well-type station that discharges to an 18-inch ductile-iron and pre-stressed concrete cylinder pipe (PCCP) force main. The new design reused the existing wet well and constructed a new wet well that houses five new submersible pumps. The existing wet well is connected to the new wet well via two sluice gates. Three 215 hp submersible pumps with VFD are installed to pump wet-weather events (two firm, one for redundancy) and two 34 hp submersible pumps with VFD to pump dry-weather flows. A hydraulic transient analysis on the PCCP force main from the pumping station was also performed to determine the surge pressures that could be expected, as well as the time increments and location of these pressures in the force main. It was determined that replacement of the force main was not necessary, but a surge relief valve was installed to mitigate against surge problems Improvements to the Valley View Pumping Station included the installation of two 85 hp submersible pumps, a valve vault, emergency bypass connections, and magnetic flow metering. As a result of this project, the pumping station capacity increased to 1,540 gpm, or 2.2 mgd. New generator buildings were constructed at both Pumping Stations to house new diesel generator and electrical controls for the sites. These structures were designed to blend in with the neighboring areas, using features such as multicolor brick veneer walls, false windows, standing seam metal roofs, and black iron fencing. Project funding was obtained through the IEPA WPCLP for the pumping station improvements. **Contractor:** Joseph J. Henderson & Sons, Inc. (St. Charles Road) Martam Construction, Inc. (Valley View) **Client POC:** Matt Streicher, Executive Director, 630-790-1901
Project Team	Project Manager – Troy Stinson, P.E. Project Engineer – Phil Bzdusek, Ph.D., P.E. Resident Engineer – Brent Schuster, P.E.
Construction Cost / Fee / Year	$2.5 million / $525,000 / 2012 (St. Charles Road) $2 million / $325,000 / 2015 (Valley View)

Project / Client	Duck Creek West Basin A Sanitary Sewer I/I Project, Pumping Station System Assessment, Collection System and Manhole Assessment and Rehab / Davenport, IA
Scope of Work / (Contractor) / Client POC	We have provided many collection system evaluation services for the City in the past few years, including comprehensive I/I analysis of the Duck Creek West Basin, an evaluation of the City's pumping stations, and collection system and manhole assessments and rehabilitation. The Duck Creek West Basin I/I analysis included the following: • **Flow meter installation maintenance** – We worked with City staff to identify flow meter locations and used flow meter data to identify the sub-basins contributing the largest percentage of rainfall-derived I/I. • **Manhole inspections of nearly 250 manholes within the basin.** • **Smoke testing of all sanitary sewer lines within the Duck Creek West Basin A.** • **A capacity analysis** –An analysis of the portion of the Duck Creek Interceptor within the basin was performed. Through the above efforts, we were able to identify those locations within the study area contributing the largest volume of wet-weather-induced I/I. We identified the locations with the easiest to repair defects that will provide low cost and immediate I/I reduction. In early 2015, we assessed an additional 1,000 manholes and included more than 350 of them in a major rehabilitation project. In 2016, we assessed several hundred additional manholes and are currently developing another manhole rehabilitation project to be bid this year. In 2016, we completed an evaluation of the City's seven sanitary and seven storm water pumping stations, including condition and capacity assessment and the identification of recommended improvements with opinions of probable construction cost. We are currently working with the City to investigate of all manholes and sewers along a major interceptor running from west to east nearly the entire length of the city. Our efforts will include manhole assessments, smoke testing, and a review of televising data that will enable us to identify and prioritize deficiencies that need to be corrected. **Contractor:** N/A **Client POC:** Sandra Doran, Project Manager, 563-326-7756
Project Team	Project Manager (SSES) – Andy Craven, P.E. Project Manager (Pumping System Assessment) – Paul Dreis, P.E. Project Engineer – Randy Langer, P.E. Field Technician – Ryan Yentz
Construction Cost / Fee / Year	N/A / $1.9 million / 2012 – Ongoing

Project / Client	Read Street Reconstruction / City of Lockport, IL
Scope of Work / (Contractor) / Client POC	We provided Phase I, II, and III services for the reconstruction of 0.5 miles of Read Street from Division Street to 7th Street in Lockport, Illinois. Read Street is a residential street classified as an urban major collector. Lockport Township High School is located directly east of the project, creating an increased demand for pedestrian accessibility along Read Street. Existing sidewalk was located on both sides of Read Street throughout the corridor with the exception of approximately 1,450 feet missing on the west side of Read Street and 170 feet on the east side. Many intersections did not provide sidewalk curb ramps or crosswalks. Approximately 1,300 feet of the project is located on a hill east of Read Street, resulting in several existing driveways having vertical slopes exceeding the recommended criteria. Residents voiced their concerns about cars bottoming out entering and leaving these driveways. The new vertical profile reduced the slopes of driveways while still maintaining proper drainage throughout the corridor. A reverse crown cross section was constructed in this area, raising the east edge of pavement. Other utility work included adjusting existing water main to avoid conflicts with the new storm sewer. Extensive coordination was performed with private Utility companies, as the project created 35 conflicts. We provided extra observation and coordination services during the private utility relocation portion of the project to minimize delays. Approximately 1 mile of new sidewalk was installed along with curb ramps, detectable warnings, crosswalks, pavement markings, and ornamental street lights at each intersection. Permits from USACOE & IEPA were obtained for wetland impacts. All aspects of the project followed IDOT and FHWA policy because Phases II and III were STP funded. Coordination with residents and business owners was a focal point of the construction phase. Each resident and business owner along the corridor was personally visited by the construction inspector when water services were to be shut off, when on-street parking was restricted, when pavement was removed, when roadway sub-base was constructed, when curb and gutter string line and pouring were performed, when paving of the roadway and alleys was done, and during tree removal. If stakeholders were not present, door hangers were distributed to inform them of the construction activities, with the construction inspector's contact information provided to enhance communication. **Contractor:** P.T. Ferro Construction (Joliet, IL) **Client POC:** Ben Benson, City Manager, 815-838-0549
Project Team	Project Manager – Marc Grigas, P.E., Project Engineer – Bill Plant Project Resident Engineer – Kyle Troka, P.E.
Construction Cost / Fee / Year	$2.0M / $131,000 (Ph. I); $150,000 (Ph. II); $205,000 (Ph. III) / 2016

Project / Client	Gary Avenue Resurfacing / City of Wheaton, IL
Scope of Work / (Contractor) / Client POC	We are providing Phase III construction observation services for the Gary Avenue Resurfacing LAFO project constructed with federal funding in the City of Wheaton. The project consists of resurfacing Gary Avenue, a major collector, through Wheaton for a distance of 0.5 miles. Gary Avenue has an average daily traffic of 15,100 and consists of two-lane, urban and rural cross section with auxiliary turn lanes. In addition to the resurfacing, the project also included pavement patching, ADA curb ramp upgrades, pedestrian signal improvements, traffic signal detector loop replacement, and spot repair of curb and gutters. The majority of the roadway was within and under the floodplain base-flood elevation. Therefore, close coordination was performed with the contractor in order to check that the vertical profile was not being raised during paving operations. All aspects of the project followed IDOT and FHWA policy because federal transportation funds were used for construction. **Contractor:** K-5 Construction (Lemont, IL) **Client POC:** Sarang Lagvankar, P.E., Project Manager, 630-260-2060
Project Team	Project Manager – Marc Grigas, P.E. Resident Engineer – Kyle Troka, P.E.
Construction Cost / Fee / Year	$316,700 / $31,900 / 2017

In addition to the projects highlighted above, the following table provides a summary of our team's sanitary sewer experience, with particular regards to SSES, CMOM, smoke testing, and dye testing.

Additional Sanitary Sewer Project Experience Strand Associates, Inc.	
Client	**Project**
Addison, IL	CMOM Program – North WWTF and A.J. Larocca Facility
Algoma, WI	CMOM Program Assessment & Development
Algoma Sanitary District, WI	Sanitary Sewer System Study
Allouez, WI	Sanitary Sewer CMOM Development
Aurora, IL	CMOM Assessment
Bayfield, WI	Sewer System Evaluation Survey
Campbellsport, WI	Sanitary Sewer Evaluation
Carol Stream, IL	Basins 24 and 39 I/I Removal Program
Carpentersville, IL	Sanitary Sewer Study/Flow Monitoring
Chilton, WI	CMOM Program Development
Clermont County, OH	Smoke Testing of Eva Lane Sewershed
Consolidated Koshkonong S.D., WI	Smoke Testing
Darlington, WI	Sanitary Sewer Evaluation Survey
Davenport, IA	Duck Creek West Basin A Sanitary Sewer I/I Project
Fond du Lac, WI	Sanitary Sewer Evaluation Survey, Comprehensive Sewer Plan, and CMOM Program
Garrett, IN	SSES and Sanitary Sewer Rehabilitation
Heart of the Valley Metropolitan S.D., WI	South Side Sanitary Sewer Evaluation
Illinois American Water, IL	West Suburban Service Area Study (Bolingbrook, IL)
Indian Head Park, IL	Sanitary Sewer Maintenance and Rehabilitation
Kankakee, IL	Sanitary Sewer Smoke Testing Program, and Inflow Study and Sanitary Sewer Evaluation
Lake Barrington Community Homeowners Association, IL	Sanitary Sewer Study
Lake Bluff, IL	Witchwood Lane Sanitary Sewer Study
Lake Mills, WI	Sanitary Sewer Study
Libertyville, IL	Basin 7 Sanitary Sewer Evaluation Study
Lockport, IL	CMOM Plan Assistance
Madison, WI	Hoard/Kedzie Sewer Study and Park Street Smoke Testing and Park Street Smoke Testing
Madison Metropolitan Sewerage District, WI	Pumping Station 14 Tributary Area I/I Study
Manitowoc, WI	Sanitary Sewer Smoke Testing and Capacity Study, and Collection System CMOM Program
Monona, WI	Sanitary Sewer System Evaluation
Morton Grove, IL	2003 Local Sewer System Dye Testing

Mount Vernon, OH	Sanitary Sewer Study and Flow Monitoring
New Glarus, WI	Sewer Metering and Smoke Testing; CMOM Assessment and Program Implementation
North Shore Sanitary District, IL	Middlefork and Skokie Interceptor Sewer Study
Omro Sanitary District No. 1, WI	East Side Sewer Study
Parkersburg Utility Board, WV	Sewer System Evaluation and Long-Term Control Plan
Platteville, WI	Sewer System Evaluation Survey and I/I Studies
Port Washington, WI	Sanitary Sewer Capacity and I/I Evaluation and Sanitary Sewer Smoke Testing and Manhole Assessments
Sterling, IL	Northeast Sewer Study and Smoke Testing
Stoughton, WI	Sewer System Study
Sturgeon Bay Utilities, WI	Manhole Rehabilitation
Warrenville, IL	Sanitary Sewer Evaluation Surveys – Phases 1 and 2
Whitewater, WI	Sanitary Sewer Smoke Testing
Wilmington, IL	Flow Metering and I/I Investigation
Winnetka, IL	Sanitary Sewer Evaluation Survey
Woodridge, IL	Basins A and B Sanitary Sewer Rehabilitation Program

History of Successfully Securing Funding Demonstrates Ability to Reduce Overall Project Costs

Funding is a critical component of any project. We provide our clients with expert assistance in obtaining funding. In recent history, our clients have received hundreds of millions of dollars in financial assistance from federal and state programs. For example, our list of more than 300 completed wastewater projects includes projects with nearly $500 million in financial aid. We are familiar with state and federal grant programs and often assist with funding applications and administration. We have extensive experience with the Illinois Water Pollution Control Loan Program (WPCLP) and state and federal grant programs and often assist with funding applications and administration. Following are lists showing the communities that we have assisted in obtaining funding through the WPCLP as well as various grant programs.

Success with a variety of funding services maximizes Village's funding opportunities.

IEPA Water Pollution Control Revolving Fund Communities	
Community	**Loan Amount**
Bensenville, IL	$29,236,000
Braidwood, IL*	$4,500,000
Channahon, IL	$7,400,000
Carpentersville, IL	$17,500,000
Dixon, IL	$18,300,000
Fox River Water Reclamation District (Anaerobic Digestion Improvements)	$12,900,000
Galena, IL	$10,700,000
Glenbard Wastewater Authority	$7,400,000
Glenbard Wastewater Authority	$3,000,000
Joliet, IL (CSO LTCP Wet-Weather Treatment Facility)	$33,400,000
Joliet, IL (CSO LTCP Des Plaines River CSO Tunnel and West Side Interceptor))	$22,400,000
Joliet, IL (Aux Sable)	$1,980,000
Kankakee River Metropolitan Agency (KRMA), IL (Phase 1A, 1B and 1C)	$55,600,000
Kankakee River Metropolitan Agency (KRMA), IL (SCADA and Equipment Upgrades)	$11,300,000
Kankakee River Metropolitan Agency (KRMA), IL (Odor Control)	$4,600,000
Lindenhurst, IL	$10,000,000
Lindenhurst, IL (Phase 1)	$8,000,000
Lindenhurst, IL (Phase 2)	$5,000,000
Lindenhurst (Phase 3)	$10,200,000
Moline, IL	$44,000,000
Mount Morris, IL	$9,500,000
Roselle, IL (Botterman)	$14,000,000

IEPA Water Pollution Control Revolving Fund Communities	
Community	**Loan Amount**
Roselle, IL (Devlin)	$5,700,000
Sandwich, IL	$9,500,000
Sterling, IL	$2,500,000
Washington, IL	$6,600,000

IEPA Principal Forgiveness Grant			
Client	**Principal Forgiveness**	**Low Interest Loan**	**Total**
Bensenville, IL	$764,000	$29,236,000	$30,00,000
Mount Morris, IL	$2,500,000	$9,500,000	$12,000,000
Kankakee River Metropolitan Agency, IL (SCADA & Equipment Upgrades)	$2,500,000	$11,300,000	$13,800,000
Joliet, IL (Aux Sable)	$220,000	$1,980,000	$2,200,000

Projects with Energy Grants					
Facility	**Project**	**Grant Program**	**Amount**	**Year**	**Remarks**
Bensenville, IL	High speed turbo blowers/lighting	Illinois Clean Energy Efficiency Grant	$161,252/ $20,297	2013	Energy Efficiency Grant/Lighting Grant
Bensenville, IL	Turbo blower/lighting	Department of Commerce and Economic Opportunity	$399,940/ $12,730	2013	Turbo Blower Grant/ Lighting Grant
Columbus City Utilities, IN WWTP	Cannibal Sludge Reduction Process™, LEED administration building, biological odor control system	Indiana Finance Authority Sustainable Infrastructure Loan	$1M	2011	Rate reduction amounting to $1 million savings
Galena, IL WWTP	Solar photovoltaic energy project at WWTP (368 kW)	Illinois Clean Energy Community Foundation	$900,000	2011	60 percent grant
Greater Bayfield, WI WWTP	New regional WWTP with multiple "above and beyond" regulatory	Great Lakes Protection Fund	$700,000	2006	Additional state and federal grants were also obtained for

Projects with Energy Grants					
Facility	**Project**	**Grant Program**	**Amount**	**Year**	**Remarks**
	requirements features and energy-efficient elements				environmental and hardship
Kankakee River Metropolitan Agency, IL	High-speed blower replacement project	Department of Commerce and Economic Opportunity	$130,000	2013	$100,000/year energy savings
Kankakee River Metropolitan Agency, IL	VFDs/lighting	Department of Commerce and Economic Opportunity	$19,000	2009	$13,700/year energy savings
Moline, IL	WWTP Improvements – High speed turbo blower	Illinois Clean Energy	$151,600	2014	
Thorn Creek Basin Sanitary District, Chicago Heights, IL	High speed blower replacement project	Illinois Department of Commerce and Economic Opportunity; Illinois Clean Energy Community Foundation	$207,000	2012	Payback of less than 2 years with grants; expected 20 percent energy reduction at plant
Whitewater, WI WWTP	Biogas boiler	Focus on Energy Planning Grant	$10,000	2010	
Whitewater, WI WWTP	Biogas boiler	We Energies Planning Grant	$4,500	2010	

FHWA Transportation Related Grants	Construction Amount
Lockport – Garfield Avenue STP	$1,082,000
Lockport – Read Street STP	$2,039,000
Lake County DOT – Hunt Club Road CMAQ	$2,654,000
Channahon, IL – Dove Drive STP	$1,700,000
Channahon, IL – Bridge Street ITEP	$2,500,000
Plainfield, IL – Indian Boundary Road over Spring Hole Creek HBRRP	$1,400,000
Frankfort – Center Road STP	$3,000,000
Frankfort – Sauk Trail STP	$1,800,000
Wheaton – Orchard Road and Gary Road Resurfacing LAFO	$743,800
West Chicago – Wilson Street Bridge	$733,500
West Chicago – Joliet and Wilson Street Culvert	$470,200
Frankfort, IL – St. Francis Road bridge - STP	$1,081,000

FHWA Transportation Related Grants	Construction Amount
Oak Park, IL – Oak Park Avenue Viaduct - ITEP	$485,000
Oak Park, IL – Marion Street and Ridgeland Avenue Viaducts - ITEP	$ 1,123,000

Build Illinois Fund Grant Communities	
Community	**Amount**
Glendale Heights, IL	$4,500,000
Joliet, IL	$9,000,000
USEPA State and Tribal Assistance Grants (STAG)	
Community	**Amount**
Dixon, IL	$1,750,000
Galena, IL	$750,000
Mount Morris, IL	$500,000
Parkersburg Utility Board, WV	$5,000,000

Extensive Illinois Water and Wastewater Client List Demonstrates Local Experience

In addition to the projects identified earlier, the table below provides a summary of ongoing or recently provided water and wastewater services to local clients.

Client	Water System Modeling and Evaluation	Water Loss and Water Audit Analysis	Water Main Replacement and Replacement	Supply Well and Water Treatment	Water Storage and Booster Station	Sanitary Collection System Modeling and Evaluation	Sanitary Sewer Replacement	Sanitary Sewer Rehabilitation	WWTP Evaluation Planning and Design	Wastewater Pretreatment Programs	Capacity Management, Operation and Maintenance	IEPA State Revolving Loan Fund Assistance
Addison, IL											●	
American Water Company	●		●	●	●	●	●	●	●			●
Aurora, IL						●	●		●		●	
Bartlett, IL									●			
Batavia, IL	●					●	●	●			●	
Belvedere, IL	●		●	●	●							
Bensenville, IL									●			●
Braidwood, IL	●		●	●	●	●			●			●
Carol Stream, IL							●	●				
Carpentersville, IL									●			●
Cary, IL									●			●
Channahon, IL	●			●	●				●			●
Crest Hill, IL	●	●	●	●	●	●			●			

Client	Water System Modeling and Evaluation	Water Loss and Water Audit Analysis	Water Main Replacement and Replacement	Supply Well and Water Treatment	Water Storage and Booster Station	Sanitary Collection System Modeling and Evaluation	Sanitary Sewer Replacement	Sanitary Sewer Rehabilitation	WWTP Evaluation Planning and Design	Wastewater Pretreatment Programs	Capacity Management, Operation and Maintenance	IEPA State Revolving Loan Fund Assistance
Deerfield, IL									●			
Dixon, IL									●			●
Downers Grove IL	●											●
Elgin, IL				●	●							
Elmhurst, IL									●			
Flagg Creek Water Reclamation District, IL									●			
Fox River Water Reclamation District		●							●			●
Galena, IL	●			●	●				●			●
Glenbard Wastewater Authority									●			●
Greater Peoria SD/Village of Dunlap, IL									●			
Gurnee, IL	●				●							●
Indian Head Park, IL	●	●	●		●			●				●
Joliet, IL						●	●	●	●			●
KRMA						●	●	●	●			
Lake Barrington, IL							●	●				
Libertyville, IL						●	●	●				
Lindenhurst, IL	●		●	●	●	●		●	●		●	●
Lisle, IL					●							
Lockport, IL	●	●	●	●	●	●	●		●	●	●	●
Loves Park, IL	●			●								
Mokena, IL									●			
Moline, IL						●	●		●		●	●
Morton Grove Niles Water Commission	●		●		●							
Mount Morris, IL									●			●
Mundelein, IL									●			

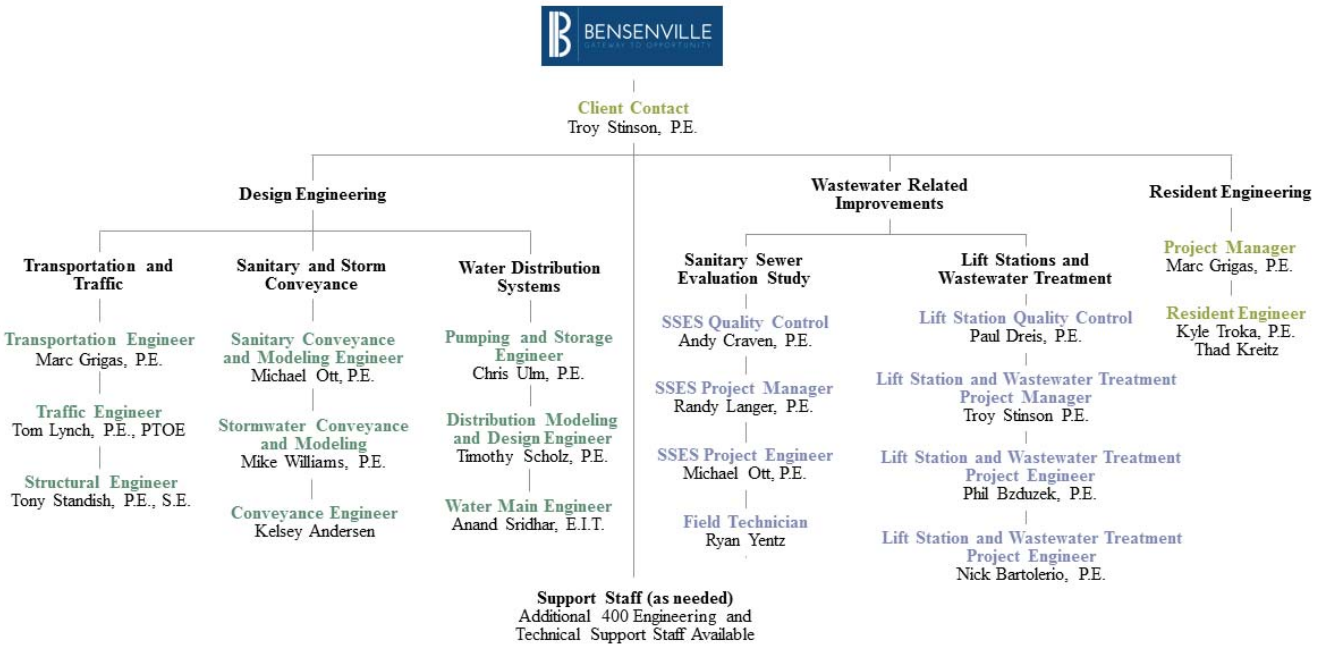
Client	Water System Modeling and Evaluation	Water Loss and Water Audit Analysis	Water Main Replacement and Replacement	Supply Well and Water Treatment	Water Storage and Booster Station	Sanitary Collection System Modeling and Evaluation	Sanitary Sewer Replacement	Sanitary Sewer Rehabilitation	WWTP Evaluation Planning and Design	Wastewater Pretreatment Programs	Capacity Management, Operation and Maintenance	IEPA State Revolving Loan Fund Assistance
New Lenox, IL									●			
Niles, IL	●	●	●		●							
North Shore Sanitary District, IL							●	●				
Rochelle, IL									●			
Rolling Meadows, IL			●		●							
Romeoville	●	●	●	●	●							
Roselle, IL									●			
Sandwich, IL									●			
Sterling/Rock Falls Regional, IL									●			
Thorn Creek Basin, SD - Chicago Heights, IL									●			
Utilities, Inc	●		●		●	●						
Washington, IL									●			●
Wilmington, Il	●					●						
Winnetka, IL							●	●				

Team Members

Experienced Project Team Leads to Successful Projects for the Village

Troy W. Stinson, P.E., Senior Associate, has worked with Bensenville on the planning, design, and construction of the WWTF Improvements project and will continue to serve as the main client contact and project manager for wastewater services. The organizational chart below outlines project staff and their proposed roles, and a brief summary of each of these team members is provided on the following pages.

- Design Engineering
- Wastewater Related Improvements
- Resident Engineering



Name / Registration / Title	Years of Exp./@ Firm	IDOT/Municipal Project Experience
Troy Stinson, P.E. / Client Contact 	24 / 24	Troy is a Senior Associate with 24 years of wastewater engineering experience who will be the main client contact. Troy was the project manager on the Village's recent WWTP Improvements project and will be responsible for the overall project implementation. His projects include plan development, design, and construction-phase services for both biological and chemical phosphorus and nitrogen removal systems for wastewater treatment. His specific areas of expertise include biological treatment, aeration, biosolids digestion and handling, wastewater treatment odor control systems, and computer modeling for process analysis, control, and design.

		His projects have required permit assistance and pumping station and collection system review and evaluation. Troy has first-hand knowledge of plan development, design, and construction practices in Illinois, including the following projects: • **Village of Bensenville, Illinois – WWTP Improvements:** Troy served as the Project Manager for facilities planning, and design and construction-related services for a major upgrade to the Village's WWTP. The project received favorable financing (1.93 percent low interest loan) along with more than $1.35 million in grant funding. • **St. Charles Road Pumping Station – Glen Ellyn, IL:** Troy served as the Project Manager for this major pumping station renovation for the Glenbard Wastewater Authority. This project included a new wet-well, valve vault, and generator building that increased pumping station capacity from 7.5 to 10.6 million gallons per day (mgd). The existing pumping station was under capacity and at the end of its useful life. • **Combined Sewer Overflow (CSO) Facilities –Joliet, IL:** As Project Manager for this CSO collection system report, Troy was responsible for developing the program for installation of sewer system flow meters and rain gauges, and performing the sewer system capacity evaluations. The planning report included evaluating several alternatives for treating and conveying combined system flows and mitigating the remaining CSOs in the city. Troy is also responsible for implementing the design and construction of a major sewer tunneling project under the DesPlaines River and wet-weather treatment facilities. • **CSO Long-Term Control Plan – Fox River Water Reclamation District (FRWRD), IL:** Troy Served as Project Manager for the CSO Long-Term Control Plan (LTCP), which included collection system and pumping station master planning. • **Wastewater Treatment Plant Improvements – Joliet, IL:** Troy served as the Project Manager and Lead Project Engineer on two other wastewater projects intended to serve the far west side of Joliet near the Aux Sable Creek Basin. The first project constructed a new $24 million wastewater treatment plant that was designed for a peak flow of 10 mgd (30 mgd ultimate).

		Troy was responsible for managing the team that designed the project under a fast-track schedule to meet development demands. The second project included the design of a 10 mgd dry well/wet well pumping station. The pumping station was designed to account for a future flow of 30 mgd and included provisions for odor control. • **WWTP Planning and Design –Sandwich, Galena, Dixon, and Mount Morris, IL:** Troy served as the Project Manager for facilities planning, and design and construction. These projects incorporated biological phosphorus and nitrogen removal into their footprint.
Mark Grigas, P.E. / Transportation Engineer, Resident Engineering Project Manager 	14 / 14	Marc has been with our firm for 14 years and will provide Project Management services on significant transportation projects for the City. Marc has managed or been involved with a variety of transportation, structural, and municipal engineering projects. During his career, Marc's experience has focused particularly on transportation projects, including plan development and geometric design for local roads, intersections, and highways; intersection design studies; and completing Phase I and II documents. Marc has managed projects ranging in construction size from a few thousand dollars to $23 million. He is currently the Project Manager for the IDOT Phase II design of IL 47 from IL 176 to US 14 in the city of Woodstock and village of Lakewood. Being the project manager of this project, Marc is very familiar with the IL 47 corridor south of US 14 and the surrounding transportation network. Marc was also the Project Manager and Lead Project Engineer for the Garfield Avenue Reconstruction Project in Lockport, which won the *2016 APWA SW Branch Transportation Project of the Year $5 Million and Less Award.* Marc has also managed several local road and municipal projects through construction (Phase III) and has been Village Engineer for two municipalities. He is IDOT Construction Document Certified and has completed the IDOT Stormwater Pollution and Erosion and Sediment Control Modules I, II, and III. Marc is a part of the ACEC-IL IDOT District One Committee as the Design Chair, which keeps him in touch with ever-changing design standards. Marc was also the APWA SW Branch 2016 Young Leader of the Year.

Tom Lynch, P.E., PTOE / Traffic Engineer 	32 / 25	Tom has more than 32 years of transportation engineering experience focused on corridor studies, traffic studies, multi-modal studies, and operations analyses for major metropolitan corridors and rural corridors. Tom has a special interest in multi-modal facilities. A Professional Traffic Operations Engineer (PTOE), Tom has been involved in almost all of our large transportation studies, including IL 47 from US 14 to Charles Road. Tom is considered an expert in interacting with local officials, state and federal agencies, and the public.
Tony Standish, P.E., S.E. / Structural Engineer 	22 / 22	Tony has more than 22 years of experience in transportation, bike path, and bridge and structural design, and has been leading our Joliet office's transportation and structural group for more than a decade. Tony has been a part of all our firm's on-demand assignments (including management of our previous Various/Various with DuPage DOT), and understands the varied nature and scheduling demands of such contracts. Tony is an expert with the federally-funded local roads process for Phase I and Phase II roadway and bridge projects. In fact, Tony led the ACEC-IL IDOT Committee that developed the Local Roads seminar for IDOT District 1. Tony is leading the Phase I efforts for a $25 million STP-Bridge funded structure replacement in Kane County where an extensive stakeholder involvement plan was implemented. Twenty years ago, Tony began assisting the Forest Preserve District of Will County in the development of the majority of their trail system. As such, he is adept at development of multi-use trail plans and designs.
Mike Williams, P.E. / Stormwater Conveyance and Modeling Engineer 	17 / 17	Mike has 17 years of experience with stormwater planning and management, including hydrologic/hydraulic modeling, stormwater quality modeling, watershed planning and management, streambank restoration and design, stormwater detention basin design and rehabilitation, and BMP implementation. Mike has developed stormwater management plans using XPSWMM (1D and 2D), StormCAD, HEC-HMS, HydroCAD, HEC-RAS, WinSLAMM, and P8. He is instrumental in providing in-depth analysis, design, and preparation of drawings and specifications for storm sewers, stormwater ponds, green infrastructure, and rehabilitation and dredging of existing ponds, and streambank and shoreline restoration.

		Mike worked with Jon on the Lake Wingra Watershed Management Plan to provide stormwater quality modeling and alternatives analysis to achieve a 50 percent reduction in TP loads to Lake Wingra. He has a full understanding of WDNR guidance regarding MS4 modeling and has provided stormwater quality modeling alongside Jon for many MS4 communities. Mike's experience analyzing and implementing cost-effective stormwater quality BMPs is underpinned by his in-depth knowledge of stormwater quantity and quality concepts. Mike will assist Jon in working with Christina and David to ensure regulatory-compliant water quality modeling and pragmatic, cost-effective, and sound alternatives analysis.
Kelsey Andersen / Conveyance Engineer 	4 / 2	Kelsey will provide day-to-day stormwater modeling and design services. Her stormwater management experience includes stormwater management design; stormwater runoff and conveyance analysis; implementation of Best Management Practices; as well as erosion and sediment control design, management, and monitoring. Kelsey also has background in design of local stormwater conveyance and detention systems in urban and suburban communities. Kelsey was a project engineer on our recent Village of Winnetka Western and Southwestern Stormwater Alternatives Study and was the stormwater modeler for our Village of Westmont Norfolk and Linden Stormwater Study. She is currently the lead design engineer on our Naperville WBDPR Stabilization project.
Chris Ulm, P.E. / Pumping and Storage Engineer 	21 / 21	Chris has been with our firm for 21 years and is a leader in our Water Supply Department in Joliet. Chris will serve as Project Manager on water supply, treatment, and storage-related projects for the City. Chris is recognized as one of the top water engineering experts in Illinois, having experience in the study and design of water system components for Joliet, Wheaton, Schaumburg, Highland Park, Downers Grove, Channahon, Northbrook, Lockport, Crest Hill, Lisle, Oak Park, Monee, and Romeoville, Illinois; Clinton, Iowa; and private water companies. Recently, Chris managed the award-winning, innovative UV treatment project for Well No. 3 in Romeoville, Illinois. Chris is also active with AWWA and is the current Chair of the Illinois Section.

Tim Scholz, P.E. / Distribution Modeling and Design Engineer 	12 / 12	Tim will assist with water system modeling and engineering, as needed. Tim has experience in several aspects of water distribution, including pumping stations, water towers, and water mains, and he brings an emphasis in distribution system hydraulics and modeling. He is trained in climbing and inspecting elevated tanks, and has performed numerous tank observations. Tim has worked on water system studies and evaluations in municipalities such as Downers Grove, Schaumburg, Highland Park, Joliet, and Braidwood, Illinois, and for private entities, such as Clarendon Water Company and Great Northern Utilities, Illinois, and Indiana Water Services, Indiana.
Anand Sridhar, E.I.T. / Water Main Engineer 	14 / 12	Anand has been with our firm for 12 years and has vast experience with water supply design and construction-related projects. For this project, Anand will provide engineering for the new water main improvements. Recent projects demonstrating Anand's knowledge and relevant design experience include water main replacements for Illinois American Water Company (Hobart Avenue, 93rd Avenue, Fernway Service Area, Bolingbrook, Rollins System, Arbury, Country Club System, Southwest Suburban Water Main) and Indiana American Water Company (Obsolete Water Main Replacement Program – 2012 and 2016).
Kyle Troka, P.E. / Resident Engineer 	5 / 5	Kyle has more than 5 years of transportation construction experience, and has been our Joliet office's lead construction inspector for transportation and structure-related projects. Kyle is well-versed in pavement rehabilitation and reconstruction, storm sewer, sanitary sewer, and water main installation; box culvert and bridge rehabilitation; guardrail installation, earthwork, aggregate subgrade, landscaping, and erosion control; electrical installation for traffic signals and lighting; and utility communication and relocation. Kyle is proficient with various construction-related policies and software, including ICORS and MISTIC. He has extensive experience with construction administration, IDOT documentation, and construction finals. He is IDOT Construction Document Certified and has completed the IDOT Stormwater Pollution and Erosion and Sediment Control Modules I, II, and III. Kyle will bring his knowledge and leadership to the field so that the project is successfully constructed according to the drawings and specifications.

Thad Kreitz / Resident Engineer 	19 / 12	Thad is a senior construction technician in our Joliet office with 18 years of experience and has extensive knowledge in construction-related utility, roadway, and facility projects. His coordination and communication abilities with officials, businesses, and residents is superb. Thad is also certified by IDOT in construction documentation for federal- and state-funded projects.
Andy Craven, P.E., / SSES Quality Control Engineer 	30 / 30	Andy has been with our firm for 30 years. During this time his focus has been on wastewater conveyance and treatment system evaluation and improvement projects. His expertise is in the area of collection system analysis, SSES investigations, collection system planning, collection system modeling, and wastewater conveyance technology. Professionally, Andrew serves on the Water Environment Federations Collection System Committee, and specifically on the Private Property Virtual Library Subcommittee. This subcommittee leads the effort to compile information pertaining to municipal private I/I and make it available to users via a web-based platform. Andrew also currently serves as the Past Chair of the Wisconsin Section Collection System Committee. This committee is responsible for organizing two collection system seminars annually. He is a registered professional engineer in Illinois, Wisconsin, Iowa, Indiana, Ohio, and West Virginia. Andrew is currently the Project Manager or Quality Control Engineer for several ongoing sewer evaluations, including the Davenport project mentioned in the *Firm Experience* section. He has served as Lead Project Engineer, Project Manager or Quality Control Engineer on development of several other collection system plans, I/I analyses, sewer system evaluation surveys, and sewer system rehabilitation projects throughout the Midwest, including projects for the North Shore Sanitary District and Lake Bluff, Illinois.

Randy Langer, P.E. / SSES Project Manager 	8 / 8	Randy has eight years of experience completing collection system-related projects. Randy has been a leading member of our conveyance systems team for several sanitary sewer system evaluations for Illinois, Iowa, and Wisconsin communities. Randy has significant experience with I/I investigations, having completed smoke testing for several communities, more than 5,000 manhole assessments, sewer televising reviews, private property I/I assessments, and more. He is also one of our lead engineers in rehabilitation of sanitary sewer systems and has presented on topics including manhole rehabilitation and force main assessment at several technical conferences. Randy has served as a key Project Engineer or Project Manager for several of our recent collection system-related projects, including the following: • Skokie and Middlefork Interceptor Sewer Study – North Shore Water Reclamation District, IL • Highland Park Lake Front Interceptor Cleaning – North Shore Water Reclamation District, IL • Sewer Inflow Evaluation – Kankakee, IL • Flow Metering Services – Aurora, IL • Pumping Station 14 Tributary Area I/I Study – Madison Metropolitan Sewerage District, WI • Sanitary Sewer Inflow and Infiltration Program, Duck Creek West Basin A – Davenport, IA • Private Property I/I Program Development – Ashland, WI • Manhole Assessment and Rehabilitation Program – Fond du Lac, WI • Influent Sewer Lining – Village of Lindenhurst, IL
Mike Ott, P.E. / SSES Project Engineer 	9 / 9	Mike has been Project Manager or Lead Project Engineer on all of the flow monitoring programs and SSES projects out of our Joliet office for the past 6 years. Mike's work experience has included conducting I/I field investigations, developing sewer condition reports, and developing sewer system rehabilitation programs. Additionally, his work experience includes the installation and maintenance of more than 200 flow meters, analysis of data, and evaluation plans. He brings a strong understanding of sanitary sewer hydraulics, flow meter operations, data quality assessments, and evaluation techniques. Mike most recently worked on the Basin 7 SSES for Libertyville, Illinois, where he was Project Manager and is currently the Project Manager for our Wilmington, Illinois, I/I Investigations project, which is ongoing.

		He is also an active member in Illinois Association of Wastewater Agencies (IAWA), where he is a contributing member of the Collection Systems Technical Committee.
Ryan Yentz / SSES Field Technician 	1 / 1	Ryan's focus is on sanitary sewer system evaluations. He is NASSCO MACP and PACP trained and certified, and has been providing these services on many of our recent and current SSES projects. Ryan will be involved in all of our field observation and sewer televising activities and will provide general assistance to the entire team throughout the project. Ryan has experience with collection system analysis and rehabilitation, including the following recent projects: • Manhole Rehabilitation Program – Deerfield, IL • Collection System Assessment and Rehabilitation – Davenport, IA • CIP Sewer Repairs – Cedar Rapids, IA
Paul Dreis, P.E. / Lift Station Quality Control Engineer 	38 / 33	Paul is a Senior Design Engineer and Discipline Coordinator for our conveyance group. He has more than 38 years of experience in hydraulics, layout, and rehabilitation of all elements of wastewater collection systems, including pumping stations. During the past 18 years, he has served as Project Manager, Senior Hydraulics Designer, or Quality Control Engineer for hydraulics for numerous outlying system pumping stations and most of our major conveyance projects, including Madison Metropolitan Sewerage District's (MMSD) Pumping Stations No. 1, 2, 6, 8, 10, 11, and 12; Fremont Street, Gettle Avenue and Park Street Pumping Stations for the City of Madison; Main Stormwater Pumping Station (180 mgd) for the City of Onalaska, Wisconsin; and the 240-mgd headworks pumping station for the Columbus Utilities, Columbus, Indiana. Paul has also been the Project Manager for development of sustainable green infrastructure plans and designs for the Northeast Ohio Regional Sewer District in Cleveland, Ohio, and the Metropolitan Sewer District of Greater Cincinnati.

Phil Bzdusek, Ph.D., P.E. / Lift Station and Wastewater Treatment Engineer 	12 / 12	Phil has bachelors, masters, and doctoral degrees in civil engineering from the University of Wisconsin-Milwaukee. Phil has completed numerous designs of lift stations, including wastewater lift stations, WWTP influent lift stations, return and waste activated sludge, and thickened sludge pumping systems. Phil was Project Manager and completed the hydraulics and lift station design for the 10.6-million-gallons-per-day (mgd) St. Charles Road Pumping Station project and 2.2 mgd Valley View Pumping Station project for the Glenbard Wastewater Authority, Illinois. Phil has designed influent pumping stations at several wastewater treatment plants, including the City of Athens, Ohio; and Village of Mount Morris, and Chickasaw Hills Water Reclamation Facility (WRF), Illinois. Phil has completed sanitary sewer studies for the City of Kenosha, Village of Shorewood, and City of Port Washington, Wisconsin. He has completed street utility reconstruction and design projects, including the Washington and State Street Reconstruction project in Bonduel, Stanley Drive Infrastructure Improvement project in Menomonee Falls, Sherman Road Interceptor and Water Transmission Main project for the Village of Jackson, Wisconsin; and Hall Street Force Main, Sandwich, Illinois. Phil has designed and completed force main surge and vacuum analyses for numerous projects.
Nick Bartolerio, P.E. / Lift Station and Wastewater Treatment Engineer 	6 / 6	Nick has been with our firm for 6 years and graduated from the University of Wisconsin-Madison with a Bachelor of Science degree in Civil Engineering, and from the University of Illinois at Urbana-Champaign with a Master of Science degree in Environmental Engineering. Nick has expertise in planning, and providing design and construction-related services for wastewater treatment plants and lift stations. Nick assisted in writing the facilities plan for the Village of Bensenville's WWTP, where he gained detailed knowledge about the Village's overall sanitary collection system and lift stations. In addition to developing the facility plan for the entire facility, Nick was responsible for the design of the new influent pumps as well as the new Lift Station No. 14 pumps at the WWTP. Nick played a major role in the administration of the construction-phase portion of the project by addressing requests for information, conducting shop drawing reviews, and conducting construction observation onsite.

LOCKPORT

Mayor
Steven Streit

City Clerk
Alice Matteucci

Administrator
Ben Benson

Alderman
Jim Petrakos - 1st Ward
Kris Capadona - 1st Ward
Brian Smith - 2nd Ward
JR Gillogly - 2nd Ward
Darren Deskin - 3rd Ward
Jason VanderMeer - 3rd Ward
Joanne Bartelsen - 4th Ward
Robert Perretta - 4th Ward

City of Historic Pride

17112 S. Prime Blvd. ♦ Lockport, IL 60441-3497

March 2, 2017

Strand Associates, Inc.
1170 South Houbolt Road
Joliet, Illinois 60431

To Whom It May Concern:

Strand Associates has provided phase I, II & III engineering services for several projects for the City of Lockport ranging from roadway reconstruction to utility improvements. Strand recently completed construction administration and observation services for both the Garfield Avenue Roadway Reconstruction Project and the Read Street Roadway Reconstruction Project. Strand also provided phase I and II services for these projects as well.

The Garfield Avenue Roadway Reconstruction Project was located adjacent to the Lockport Park District Rotary Park, the High School District baseball fields, residential homes and businesses. The project consisted of realigning and widening the corridor from a rural to urban cross section with curb and gutter, sidewalk and a new storm sewer system. Also, ornamental street lighting was installed at all intersections and alleys providing improved visibility for the anticipated increase in pedestrian usage. Garfield Avenue was one of the City's most successful projects winning the 2016 American Public Works Chicago Metro Chapter Southwest Branch Project of the Year for Transportation Less than $5 Million.

The Read Street Roadway Reconstruction Project was located in a residential neighborhood directly east of Lockport Township High School. The project included a new storm sewer system, water main adjustments, ornamental street lighting and a half mile of roadway reconstruction of the urban cross section. The project realigned the skew of an intersection at the beginning of a horizontal curve, increasing driver visibility and safety.

Communication with residents, business owners and the High School District was a focal point of both projects. Strand's attention to the needs of the City and the community was exemplary. Both reconstruction projects utilized Surface Transportation Program funds and were documented per IDOT and FHWA policy. Strand demonstrated a thorough and comprehensive understanding of ICORS and MISTIC software for documenting the contracts. The Garfield Avenue project encountered a delay at the beginning of the project due to private utility relocation scheduling. Strand was able to successfully coordinate with the contractor and City to split the project schedule into two construction seasons to accommodate the delay, add additional lighting design to the contract during construction per City request and process an extension of time to ensure all items were still provided with federal-aid.

Strand's ability to customize their services to the specific needs of each project is a testament to the quality, reliability and responsiveness that they rightfully take pride in. Strand delivered upon all of the City's expectations and served as a professional and courteous extension of our City's staff. Based on my enjoyable experience with their staff, I would recommend Strand's services to other municipalities for their projects.

Sincerely,

Amy Wagner, P.E.
Director of Engineering
City of Lockport

Oak Park

The Village of Oak Park
Village Hall
123 Madison Street
Oak Park, Illinois 60302-4272

708.383.6400
Fax 708.383.6692
www.oak-park.us
village@oak-park.us

February 27, 2017

Strand Associates, Inc.
1170 South Houbolt Road
Joliet, Illinois 60431

To Whom It May Concern:

Strand Associates has been providing design and construction engineering services for the Village of Oak Park over the past decade. They have provided services for the Village's roadway, viaduct, and utility projects which have been both locally and federal-aid funded. Most recently, Strand has provided construction administration and observation services for The Emerson development's public right-of-way improvements project.

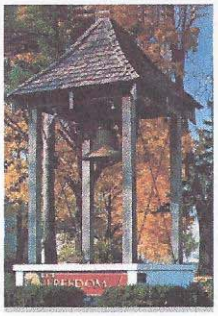
The Emerson development project is located in the heart of Downtown Oak Park and is next to the Marion Street Metra and CTA Station. The project consists of 1700 feet of water main, 1200 feet of combined storm sewer and a combination of new roadway construction, roadway reconstruction and roadway resurfacing. The project also includes decorative streetscape enhancements such as ornamental lighting, benches, planters and brick paver crosswalks and sidewalk.

Strand has provided the Village with excellent construction engineering services throughout The Emerson development project. They have been exceptional with communicating with the contractor, developer, local businesses, and Village staff. Strand has been attentive to the needs of the local businesses and residents and has helped in minimizing the impact of construction on the community. Strand has been very responsive in reviewing the project drawings and providing construction change recommendations when conflicts were discovered. Their attention to detail and solid understanding of the project scope has allowed the project avoid potential delays and increased costs.

Strand's staff has demonstrated competence, efficiency and reliability. Our experience with Strand has been very pleasant and it gives me the confidence in recommending their services to other municipalities contemplating similar projects. If you have any questions please feel free to call me at the number below.

Sincerely,

Bill McKenna, P.E.
Village Engineer
Village of Oak Park
201 South Boulevard
Oak Park, IL 60302
708.358.5722
mckenna@oak-park.us



Village of Mt. Morris
105 West Lincoln Street
Mt. Morris, IL 61054
Phone: 815-734-6425
Fax: 815-734-4133

March 23, 2016

Re: Recommendation for Strand Associates, Inc.

To Whom It May Concern:

On behalf of the Village of Mt. Morris I would strongly recommend Strand Associates, Inc. as engineers of choice for any wastewater treatment upgrades. Their expertise in the field of wastewater treatment plant design is second to none.

Following a competitive selection process Strand Associates, Inc. was chosen as the engineering firm to plan, design and provide construction-related services of a new .800 mgd (2.7 mgd peak flow) wastewater treatment facility. In addition to design, Strand was instrumental in helping the Village secure an IEPA grant in the amount of 2.5 million dollars and a 1.25% low interest loan. Strand also spearheaded a successful request for an additional $500,000 USEPA grant for the construction project.

One thing that I especially liked was that Strand Associates, Inc. welcomed operator input during the design phase of the project, and actually included the input into the design.

Strand Associates, Inc. provided representation for the Village during the construction project and did a great job of representing the Village's interests.

The project in Mt. Morris proceeded on schedule and we experienced vary few "change order requests".

July 3, 2013 the new facility was placed online and now Mt. Morris has the wastewater treatment capacity to allow for growth well into the future.

Sincerely,

Jack Beck

Jack Beck, Superintendent
Mt. Morris, IL

KRMA
Kankakee River Metropolitan Agency

1600 West Brookmont Blvd.
Kankakee, IL 60901
Phone: 815-933-0444
Fax: 815-933-0104

Providing Wastewater Treatment to the Kankakee River Valley

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P. Carl Brown
Alderman
City of Kankakee

Executive Director
Richard G. Simms, P.E.

October 24, 2013

Re: Recommendation for Strand Associates, Inc.®

To Whom It May Concern:

On behalf of the Kankakee River Metropolitan Agency (KRMA), I can attest to the quality and professional services provided by Strand Associates, Inc.®. KRMA owns and operates a 25 million gallons per day (mgd) average design flow, 100 mgd peak flow facility that serves a regional area with several communities. Strand's commitment and assistance has been crucial to effectively address the unique regulatory, financial, and operational challenges that KRMA faces. Throughout planning, design, and construction on a variety of projects at our Wastewater Treatment Plant (WWTP), including a SCADA system project, Strand has confidently guided KRMA and listened to our specific needs.

We first became involved with Strand around 2003 when we were searching for solutions on how to address odor complaints from neighboring residences. Since then, Strand has continued to address our various engineering and operational issues and concerns.

The most recent $58,000,000 group of projects are currently under construction and are making good progress. Planning for these projects began in 2009 due to failures of critical aging equipment and pending permitting and regulatory changes. Even though KRMA's budget was not yet prepared for the substantial investment required by these projects, Strand's expertise assisted us to find and secure grant and loan funds. They negotiated permit requirements and acted as liaison to obtain loan funds from the Illinois Water Pollution Control Loan Program and several energy grants from the Illinois Department of Commerce and Economic Opportunity and Illinois Clean Energy Foundation.

Throughout design, Strand worked directly with both our management staff and operators to provide solutions that balanced our treatment, energy, management, and operational needs. Structured review meetings were provided to obtain our feedback on design details. When our most recent project had to be divided into four projects for financing purposes, Strand carefully thought through the complicated construction sequencing and phased the projects to maintain treatment and continuity of construction activities.

Our WWTP's last significant upgrade was in 1988 and we have enjoyed watching our challenging WWTP evolve into a state-of-the-art facility. With Strand continuing to meet or exceed all of our expectations , our operators, staff, and Board can confidently perform their jobs and continue to provide value for all the communities that KRMA serves. We consider Strand a friend and partner in all of our engineering endeavors.

Once again, KRMA highly recommends Strand to other agencies and municipalities searching for quality and cost effective wastewater treatment engineering services. I would be happy to provide additional project details upon request.

Sincerely,

Richard G. Simms, P.E.
Executive Director

VILLAGE OF DEERFIELD

October 2, 2013

Re: Recommendation for Strand Associates, Inc.®

To Whom It May Concern:

On behalf of the Village of Deerfield, I am pleased to provide support for Strand Associates, Inc.® for the services they provided throughout the planning, design, and construction of the upgrades to the Deerfield Water Reclamation Facility. The Village of Deerfield and Strand significantly rehabilitated the village's Water Reclamation Facility. This was the largest utility project ever completed in the Village and will provide our residents with reliable wastewater treatment service for years to come.

Throughout plan development and design, Strand kept a very open dialogue with us to ensure that the final product would meet our every expectation. Strand accompanied us on site visits to other facilities so that we could learn about different technologies, and kept us well informed so that the proper decisions could be made.

One of our requests for design of the facility was to consider incorporation of sustainable elements where possible. Strand pursued this course of action by incorporating energy savings, water reuse, sustainable site design, and recycled materials into the design. In addition to all the benefits for the community and the employees, these features allowed this project to be eligible for the Qualified Energy Conservation Bond program, reducing the Village's financing costs for the project, and that the new Administration Building received LEED™ Silver certification.

Strand's design also provides an enhancement to the neighborhood by eliminating unsightly and odorous elements of the facility and adding visually appealing fencing and landscaping as well as parking and restrooms facilities for users of the adjacent park.

Construction commenced in January 2011 and progressed without interruption until final completion in July 2013. In part, due to the attention to detail during design, change orders were kept to a minimum. Therefore, the final cost fell well in line with the original bid of $29.45 million.

Over the past couple of years, we have had the pleasure of watching our aged and often challenging Water Reclamation Facility transformed into a state-of-the-art treatment plant. We have been pleased with the guidance and expertise that Strand has provided throughout the project. The dedication and thought they applied to this project has exceeded our expectations and resulted in a treatment facility that meets our every need.

The Village of Deerfield is very pleased with the reconstruction of the Water Treatment Facility and highly recommends Strand to other municipalities and agencies needing wastewater treatment engineering services.

Sincerely,

Barbara K. Little

Barbara K. Little, P.E.
Director of Public Works and Engineering

850 WAUKEGAN ROAD DEERFIELD, ILLINOIS 60015 TELEPHONE 847.945.5000 FAX 847.945.0214

Village of Roselle
Tradition Meets Tomorrow

Public Works Department

May 27, 2016

Mike Felker
Vice President
Strand Associates, Inc.
910 West Wingra Drive
Madison, WI 53715

Re: Village of Roselle, Illinois
Devlin WWTP Project

Dear Mr. Felker:

On behalf of the Village of Roselle, I would like to recognize Strand Associates on the recently completed clarifier improvement project at the Devlin Wastewater Treatment Plant. Strand Associates provided professional engineering services to the Village during both design and construction phases of this project.

The project included the addition of biological phosphorus removal (within the existing infrastructure), a new final clarifier, replacement of existing deep-bed sand filters with two new disc filters, and a new return activated sludge pumping station and recycle pumping station. The project originally bid in August 2013 and bids came in higher than the engineering estimate. This was due to the Village's desire to construct a precast tank for the secondary clarifier. Strand redesigned the project and, at the request of the Village, new disc filters were added to the project scope. The existing sand filter controls were failing and it was becoming more difficult to operate the equipment. The project was rebid in May 2014 and came in under budget.

This $5 million project, which we view as a successful project, involved a minimal number of change orders that resulted in a net decrease to the overall construction cost. Strand Associates will be given favorable consideration for future projects.

Sincerely,

Philip W. Cotter
Public Works Director

Cc: Kevin Hopkins, Strand Associates, Inc.

474 Congress Circle North • Roselle, Illinois 60172-3904
Telephone: (630) 671-2360 • Fax: (630) 582-6035 • www.roselle.il.us

CITY OF JOLIET

DEPARTMENT OF PUBLIC WORKS
AND UTILITIES
815/724-4230
815/723-7770 FAX

150 WEST JEFFERSON STREET
JOLIET, ILLINOIS 60432-4158

February 14, 2006

Reply to: 921 E. Washington ST
Joliet, IL 60433

Ms. Darcie Grabrisko, P.E.
Strand Associates, Inc
1170 South Houbolt Road
Joliet, IL, 60431

Re: Joliet Aux Sable Creek Basin Wastewater Treatment Plant

Dear Ms. Grabrisko:

Since the Aux Sable Creek Basin Wastewater Treatment Plant was recently put in service, I have been able to review the efforts of Strand Associates, Inc. and Department of Public Works and Utilities staff necessary to place the plant in service. Service was provided to customers within less than two and one half years from the time that the design was awarded. This is an extraordinary result which has allowed Joliet to meet our commitment to homebuilders developing near Ridge Road.

Joliet selected Strand Associates, Inc. using a competitive process with two other engineering firms. The project team led by Troy Stinson did an extraordinary job in completing the plans to allow Joliet to meet a very difficult schedule. Construction permit applications were filed with the Illinois Environmental Protection Agency in February, 2004, just four months after the design was award to Strand Associates, Inc. A construction permit was issued on June 22, 2004 after allowing the Illinois Environmental Protection Agency a thirty day extension to the permit review. All these efforts allowed Joliet to award the plant construction project on schedule on July 19, 2004.

In addition to providing the professional services in a timely manner, the design was performed on budget. There have been no changes in the fees related to the design of treatment facilities. The only change on record is an increase in construction related services due to Joliet determining that Department of Public Works and Utilities staff was not available to monitor the construction of the gravity and forcemain interceptors necessary to transport flow to and from the treatment plant.

Construction change orders for the project have been very limited. The major items are the construction of a shallow well to provide a temporary water supply and generator rental and electric equipment modifications resulting from Commonwealth Edison's inability to service the site in a timely manner. Joliet planned to provide the temporary water service, but elected to add the well drilling to the construction contract to expedite the installation. The general contractor was forced to operate from generators when Commonwealth Edison was unable to provide temporary service. Other electrical modifications were necessary as Commonwealth Edison was unable to provide permanent electric service to all locations until January 2006.

The efforts of the Strand Associates, Inc. team to provide the Department of Public Works and Utilities with high quality, cost competitive services in a timely manner are greatly appreciated. Other project owners would be well served to receive this high level of service.

Thanks to you and your associates for your efforts on behalf of the Department of Public Works and Utilities

If you have any further questions regarding this matter, please feel free to contact me at 815/724-4230.

Sincerely,

Dennis L. Duffield
Director of Public Works & Utilities

BENSENVILLE
GATEWAY TO OPPORTUNITY

12 S. Center St.
Bensenville, IL 60106

Office: 630.766.8200
Fax: 630.594-1105

www.bensenville.il.us

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Village Manager
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October 11, 2016

American Council of Engineering Companies of Illinois
5221 S. Sixth Street Road, Suite 120
Springfield, IL 62703

Dear Committee Members:

Strand Associates, Inc.® provided a vital role in the planning, design, construction administration, and completion of Bensenville's largest utility project to date for our $30 million Wastewater Treatment Facility Improvements project. Simply put, we wanted Strand to recommend a project that was innovative and sustainable instead of following a typical "band-aid" approach.

Planning for this project began in 2012 that focused on assessing the condition of a plant that had gone through numerous upgrades over its 70-year life. Strand recommended improvements to the plant that would increase wet weather capacity, reduce operational costs, provide a more sustainable energy consumption plan, and implement a nutrient removal component to address the inevitable permit limitations on Phosphorus. Strand's consistent communication was critical to ensure our expectations were met and we were well-informed allowing our team to make great decisions. Our project goals were taken seriously to achieve simplified processes and reduced operational costs, which included condensing processes from 11 treatment steps and two sludge digestion processes to eight treatment steps and one digestion process. This innovative approach yielded lower capital, operational, and maintenance costs while providing simplified operations and maintenance and improved flexibility. We are estimating an operational cost savings of $400,000 annually.

Construction commenced in March 2014 and progressed without interruption until completion in October 2016. Various phases of construction were synchronized with our daily operational needs and Strand engineers worked closely to make sure construction progressed smoothly, while assisting our operations staff with its needs in continual wastewater treatment services and permit compliance. As with any major construction project, unforeseen challenges during construction occur, however, Strand's professional daily construction oversight allowed us to make real-time adjustments resulting in the project coming in within our approved budget.

Over the last couple of years, we have had the pleasure of watching our aged and deteriorating facility transform into a state-of-the-art treatment plant. We have been pleased with the guidance and expertise that Strand has provided throughout the project. The dedication and thought they applied to this project has exceeded our expectations and resulted in a treatment facility that meets our every need. The Village of Bensenville is pleased to recommend this project for the 2017 ACEC IL Engineering Excellence Award.

Sincerely,

Joseph M Caracci

Joseph M. Caracci, P.E.
Director of Public Works

Submitted to:

BENSENVILLE
GATEWAY TO OPPORTUNITY

Joseph M. Caracci, P.E.
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, Illinois 60106
(630) 350-3435

Submitted by:

thomas engineering group
service at the highest grade®

238 South Kenilworth Avenue
Suite 100
Oak Park, IL 60302

762 Shoreline Drive
Suite 200
Aurora, IL 60504

55 West 22nd Street
Suite 300
Lombard, IL 60148

1. Consultant Evaluation Form 4

2. Statement of Qualifications

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C) Service Categories 12

D) Similar Project Experience 27

E) Staffing 38

F) Client Evaluations 46

3. Statement of Qualifications Form 59

October 19, 2017

thomas engineering group
service at the highest grade®
55 west 22nd street, suite 300
lombard, illinois 60148

Mr. Joseph M. Caracci, P.E.
Director of Public Works
Village of Bensenville
717 East Jefferson Street
Bensenville, Illinois 60106

Re: **Statement of Qualifications for Establishment of Short-Lists for Civil Engineering Services**

Dear Mr. Caracci,

Thomas Engineering Group, LLC (TEG) respectfully submits the enclosed qualifications to the Village of Bensenville. TEG is very enthusiastic about the opportunity to work for the Village to provide Civil Engineering Services for all short-list categories over the next 3-4 years. We are confident that the team we present herein is not only highly qualified but rather able to provide outstanding engineering service to satisfy identified infrastructure needs under any funding scenario.

Our team is very familiar with performing Phase I, II, and III engineering services utilizing various fund sources including but not limited to CDBG, STP, MFT, IEPA, and CMAQ fund types. TEG staff has performed these exact services and tasks for various DuPage County municipalities since TEG started in 2008. Our experience in design engineering, stormwater engineering, and resident engineering, which we currently provide to the City of West Chicago, provide a great background for fulfilling the Village of Bensenville's civil engineering needs.

We are committed to providing ***service at the highest grade®*** which the City and your citizens deserve. If you have any questions or require additional information, please call me at (708) 533-1700 or by e-mail at tomg@thomas-engineering.com.

Sincerely,
thomas engineering group, llc

Thomas E. Gill, III, P.E.
President

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

☑ The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

☐ The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

☐ Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

Client#: 842796 THOMAENG

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 4/05/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
USI Ins Srvcs LLC Euclid-Prof 2021 Spring Road, Suite 100 Oak Brook, IL 60523 312 442-7200	PHONE (A/C, No, Ext): 630 625-5219	FAX (A/C, No): 610 362-8900
	E-MAIL ADDRESS: laurie.cloninger@usi.com	

INSURED	INSURER(S) AFFORDING COVERAGE	NAIC #
Thomas Engineering Group, LLC 238 S Kenilworth Ave Ste 100 Oak Park, IL 60302	INSURER A : Phoenix Insurance Company	25623
	INSURER B : Travelers Indemnity Company	25658
	INSURER C : Wesco Insurance Company	25011
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY			680002J652203	03/06/2017	03/06/2018	EACH OCCURRENCE	$1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$1,000,000
							MED EXP (Any one person)	$10,000
							PERSONAL & ADV INJURY	$1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$2,000,000
	POLICY X PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$2,000,000
	OTHER:							$
B	AUTOMOBILE LIABILITY			BA2J654350	03/06/2017	03/06/2018	COMBINED SINGLE LIMIT (Ea accident)	$1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS / X NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
B	X UMBRELLA LIAB X OCCUR			CUP002J654257	03/06/2017	03/06/2018	EACH OCCURRENCE	$3,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$3,000,000
	DED RETENTION $							$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N			UB002J654000	03/01/2017	03/06/2018	X PER STATUTE OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N / A						E.L. EACH ACCIDENT	$1,000,000
	(Mandatory in NH)						E.L. DISEASE - EA EMPLOYEE	$1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	$1,000,000
C	Professional Liability			ARA111979203	03/16/2017	03/16/2018	$2,000,000 each claim / annual aggregate	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Professional Liability is written on a 'claims made' policy form.

THIS CERTIFICATE OF INSURANCE IS INTENDED AS A SPECIMEN COPY ONLY.

Umbrella Liability limits apply in excess of the underlying General Liability, Automobile Liability and Employer's Liability/Workers Compensation coverages.

SAMPLE

CERTIFICATE HOLDER	CANCELLATION
Thomas Engineering Group, LLC	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

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Thomas Engineering Group, LLC - Pending Litigation

A summon dated July 26, 2016 issued by the Office of the Clerk of Cook County was received by Thomas Engineering Group, LLC (TEG) on July 29, 2016.

TEG was listed a defendant as part of V3 Companies Ltd, a joint venture with the following firms as defendants:

EDWARD KRAEMER & SONS, INC.; KENNY CONSTRUCTION COMPANY; KENNY-KRAEMER JOINT VENTURE; PLOTE INC.; PLOTE CONSTRUCTION INC.; ROADSAFE TRAFFIC SYSTEMS, INC., TRAFFIC CONTROL AND PROTECTION, INC.; GFS CONSTRUCTION, LLC; OMEGA & ASSOCIATES INCORPORATED; THE RODERICK GROUP INC ., PC; EXP U.S. SERVICE, INC.; THOMAS ENGINEERING GROUP LLC; ALFRED BENESCH & COMPANY; V3 COMPANIES OF ILLINOIS LTD; V3 COMPANIES LTD; and BV3 JOINT VENTURE

Other defendants were: AARON NASH; LYONS LIMOUSINE LLC; PATRICK RICHARD LYONS; MARY LYONS; and ZENITH LIMOUSINE LLC.

A PERSONAL INJURY - NEGLIGENCE was filed by the Plaintiffs MICHAEL JOHNSON and ROBERT ROSA, through their attorneys, CAVANAGH LAW GROUP.

The V3 Companies Ltd defendants were engaged in roadway construction projects at or near the area 74 feet east of Mile marker 55.8 on Interstate 90.

On March 25, 2016, Defendant, AARON NASH, operated and controlled a motor vehicle traveling in a generally eastbound direction on 1-90 at or near its intersection with Illinois Route 25, in the City of Elgin, County of Cook, State of Illinois.

On March 25, 2016, Plaintiffs, MICHAEL JOHNSON and ROBERT ROSA, were passengers in the vehicle operated by AARON NASH.

On March 25, 2016, the vehicle operated by Defendant, AARON NASH, came into contact with a construction barricade and overturned.

Plaintiffs, MICHAEL JOHNSON and ROBERT ROSA, sustained injuries of a personal and pecuniary nature.

Founded in 2008, Thomas Engineering Group, LLC (TEG) has steadily grown and graduated into a preferred provider of professional engineering services for a wide range of public clients. Despite the recent economic climate, TEG has been able attract top notch engineers and technical staff to provide our clients with unparalleled service and a most innovative approach to engineering. This has enabled our company to continue to provide outstanding service while adding new clients, new staff, and additional engineering disciplines.

While our firm is young, our staff boasts substantial experience in Illinois. TEG's staff consists of 41 professionals, which includes 20 licensed engineers, 2 structural engineers, a professional land surveyor, a certified arborist, 2 certified floodplain managers, a certified professional in erosion and sediment control, a certified stormwater inspector, 2 project manager professionals, and expert design and construction engineers. In just our first 9 years, we have provided engineering services for roadway and underground infrastructure improvements for a remarkable list of repeat clients including Illinois Department of Transportation, Lombard, West Chicago, Aurora, Joliet, Deerfield, Oak Brook, Elgin, Channahon, Wheaton, Hoffman Estates, Woodridge, Illinois Tollway, Kane County, Will County, and DuPage County.

Our team currently provides professional engineering services for all three phases: preliminary engineering, final design engineering, and construction engineering. In addition, we also provide program management services. Overall, we are focused on providing ***service at the highest grade®*** to our clients.

While our planning, design, and field experience is substantial, our teams always partner with clients and gather the necessary project context to make the best decisions based on existing conditions. What may have worked really well in one particular situation may not be as applicable in another. We treat each project as an opportunity to learn and innovate through partnering with clients and stakeholders. By understanding the fiscal, environmental, and site constraints as well as stakeholder concerns, regional plans, and capital programming, TEG teams enable themselves to take an ownership approach and pragmatically identify the most cost-effective solutions for each and every project and program.

TEG owns or leases all of the necessary survey equipment, office equipment, and pertinent computer software necessary to complete this project with efficiency and accuracy. TEG is capable of utilizing Global Positioning Systems (GPS) and/or Total Station survey equipment.

Currently, TEG has an overhead and burden rate as determined by IDOT which is standard industry practice. Our IDOT prequalification letter indicates our fringe expense rate and general and administrative expense rate totals 142.20%. TEG has a 2017 backlog of $4.87 million which is just less than a third of our IDOT Pre-Qualified Annual Capacity of $16

FIRM OFFICERS

President:
Thomas Gill, P.E.
tomg@thomas-engineering.com
(708) 533-1700

Client Manager / Principal: Kevin VanDeWoestyne, P.E., ENV SP
kevinv@thomas-engineering.com
(847) 815-9500

Construction Lead:
Gregory Benske
gregb@thomas-engineering.com
(847) 847-6181

Planning and Design Lead:
Steve Pasinski, P.E.
stevep@thomas-engineering.com
(630) 430-6392

OFFICE LOCATIONS

55 West 22nd Street
Suite 300
Lombard, IL 60148

762 Shoreline Drive
Suite 200
Aurora, IL

238 South Kenilworth Avenue
Suite 100
Oak Park, IL 60302

Since 2008, TEG has overseen over $21 million in total municipal construction costs, accounting for over $600,000 in savings between awarded contract values and final completed costs.

TEG designers collaborate with TEG construction engineers to develop attractive and thorough bid sets.

TEG also keeps track of the local bidding trends of the contractors to keep bid tabs accurate so programming funding is predictable and accurate too. This allows the Village to stretch their funds and resources for their residents and businesses.

million. Therefore, we can assure the Village that we have the capacity and availability to be responsive to any request they may have, even if it is beyond the initial scope of work.

Other areas where we can assist the Village include everything from project development, identification of funding opportunities, pre-design investigations, community involvement, resident coordination, surveying requirements, preliminary engineering, cost estimating, review services, bridge program management, permitting, final design, bid assistance, construction engineering, final closeout and many more. We have proven the ability to effectively manage local and participating funds, making the local agency's job relatively hands free from project conception to construction completion.

Additional expertise includes securing all applicable permits needed from State, Local, and Federal agencies, performing traffic studies including intersection studies, speed studies, and traffic impact studies. TEG has staff certified as PTOE (Professional Traffic Operations Engineers). TEG has recently inspected unique public and private development projects (sanitary sewer service, storm sewer service, water service, site grading, pavements, etc.) such as the Habitat for Humanity Subdivision in West Chicago.

Our proposed team has experience in programming, planning, designing, and construction inspection for a variety of municipal projects. In addition to providing services on a project by project basis for various municipalities, TEG currently serves as City Engineer for the City of West Chicago and has been an extension of their staff since 2008.

Services Provided In-House

Stormwater Management
- Hydrologic & Hydraulic Analyses
- Flood Control Projects
- Water Quality BMPs
- Detention/Retention/Infiltration Design
- LDS and Drainage Tech Memorandums
- Streambank Stabilization & Realignment

Transportation Planning & Design
- State-led and locally-led Phase I Studies
- Feasibility Studies/Alternatives Analyses
- Intersection & Interchange Design Studies
- Public Involvement
- Streetscape Planning & Design
- Traffic Impact Studies

Structural Engineering
- Bridge Inspections
- Bridge Condition Reports
- Accelerated Bridge Construction
- Asset Management
- Type, Size, & Location Studies
- Complex Bridge Analysis
- Value Engineering

Municipal Engineering
- Local Roadway & Street Design
- Pavement Preservation & Maintenance
- Sidewalk Preservation & Maintenance
- Site Development & Drainage
- Pedestrian & Bicycle Facilities
- Grant Writing/Funding Assistance

Land Survey
- Topographic Survey
- Legal Descriptions
- Plat & Deed Research
- Subdivision and ROW Plats
- Section Corner Resets
- Tree Surveys

Construction & Resident Engineering
- Contract Documentation
- Constructability Reviews
- Public Relations (Project Website)
- Schedule Review
- Inspection
- Timely Record Drawing Submittal

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

October 20, 2016

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Thomas Gill
THOMAS ENGINEERING GROUP, LLC
238 South Kenilworth Avenue
Suite 100
Oak Park, IL 60302

Dear Thomas Gill,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $16,000,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 142.20% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

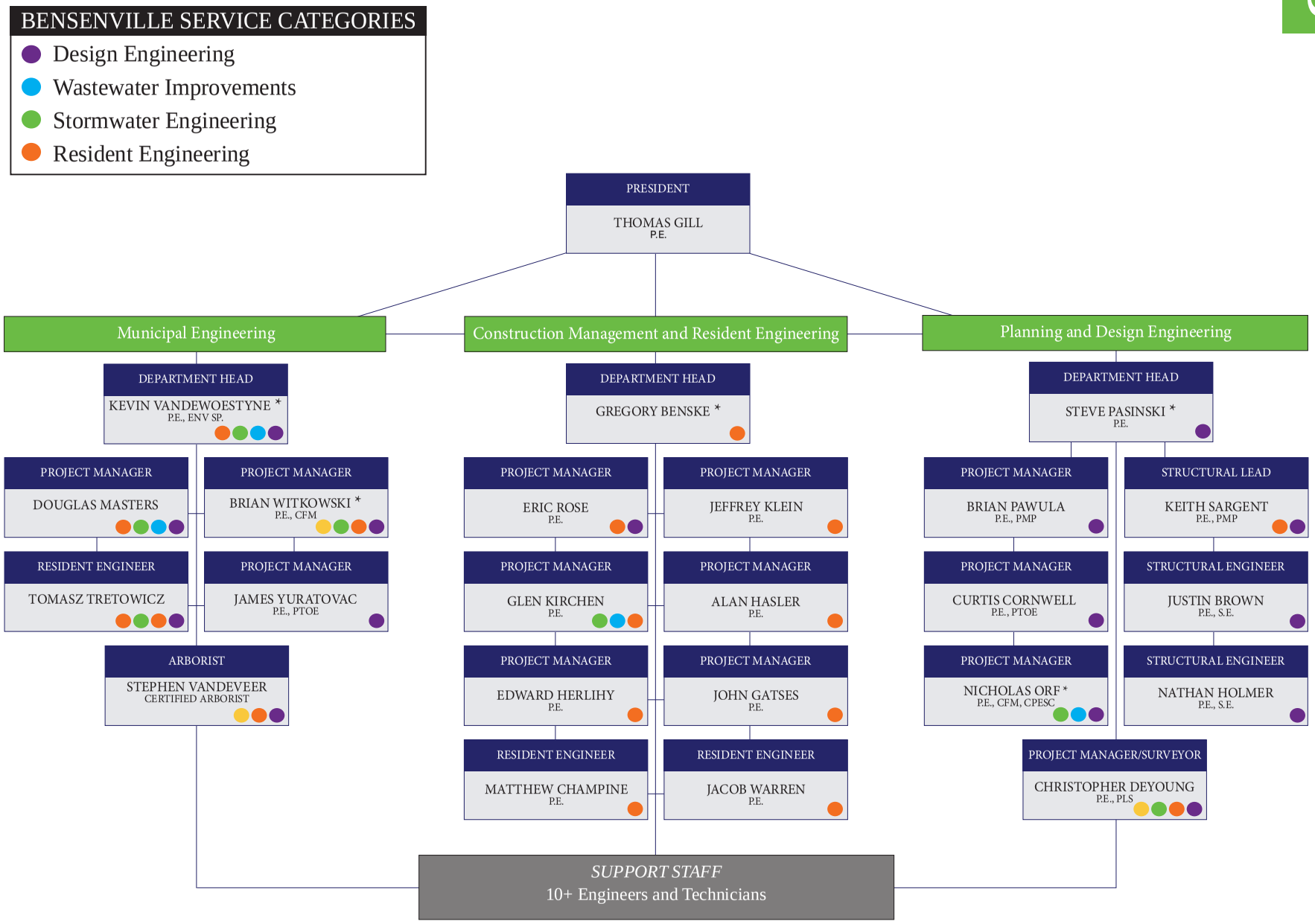
Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR THOMAS ENGINEERING GROUP, LLC

CATEGORY	STATUS
Structures - Highway: Typical	X
Location Design Studies - New Construction/Major Reconstruction	X
Hydraulic Reports - Waterways: Typical	X
Hydraulic Reports - Waterways: Complex	X
Special Studies - Location Drainage	X
Special Studies - Feasibility	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Special Services - Construction Inspection	X
Special Services - Surveying	X
Special Studies - Traffic Studies	X
Highways - Freeways	X
Location Design Studies - Rehabilitation	X
Special Services - Sanitary	X
Special Studies - Safety	X
Highways - Roads and Streets	X
Structures - Highway: Simple	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST



** Resumes included in this proposal. Resumes for additional staff can be provided upon request from the Village.*

Design Engineering

Wastewater Improvements

Stormwater Engineering

Resident Engineering

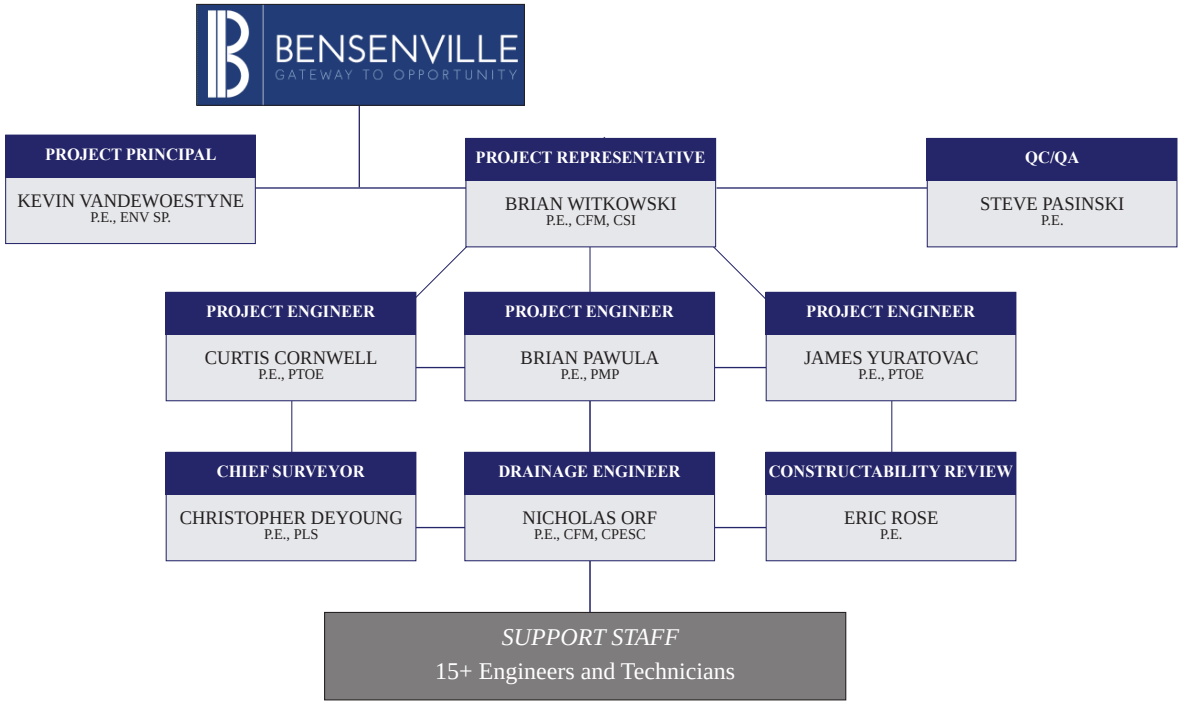
DESIGN ENGINEERING

Thomas Engineering Group (TEG) team members have outstanding and relevant Phase I and Phase II design engineering experience in all aspects of municipal engineering including, but not limited to, roadway reconstruction, roadway rehabilitation or grind and overlay projects, sewer and water utilities, traffic signals, sidewalk, and street lighting programs.

For nearly 10 years, TEG has provided comprehensive design and planning for the City of West Chicago's proactive Capital Improvement Programs including roadway reconstruction/rehabilitation, resurfacing, and underground utility improvements. Responsibilities include securing all applicable permits needed from State, Local and Federal agencies, preparing final plans, specifications, and estimates. TEG also performs review of private utility permit applications and plan reviews in accordance with the local ordinance and written utility requirements, including engineering plans and agreements for underground and overhead utility relocations in the City.

Our team members are expert at managing locally-led projects with and without federal funding as well as nearly all fund types including STP, CMAQ, IEPA, DCEO, and CDBG. TEG staff serves as an authorized delegate on the Transportation Technical Committee and is an active member of the Conference's STP Methodologies Task Force Committee. As the authorized representative of a member municipality, we have firm experience guiding project sponsors through the project submittal and program monitoring phases through the regional Council of Mayors and the Chicago Metropolitan Agency for Planning (CMAP) five-year Transportation Improvement Program (TIP). TEG has administered STP and TCM projects in the Conference ranging from $50K to over $1 million in total construction cost. As the selected consulting engineer for these projects, TEG was accountable for services ranging from assisting clients with programming through the Regional Council to securing design approval for the development of plans, specifications and estimates for federally funded projects. In addition, TEG has successfully obtained requests for additional funds and time extensions for already programmed projects on behalf of project sponsors.

The following is an organizational chart of the key personnel and their roles on the team. The resume of the project representative and QC/QA manager is also included in this section.



PROJECT EXPERIENCE

Phase II and III, 2016 Edgecreek Drive Lift Station Rehabilitation Project, Joliet, Illinois, City of Joliet — Resident Engineer. Thomas Engineering Group provided design engineering services for this lift station renovation.

Phase II, 2015-2016 St. John Street Reconstruction Project, City of Elgin, Illinois — Project Engineer for this 11 block residential street and utility rehabilitation/reconstruction project for a neighborhood constructed in the 1800s. The project scope included subgrade and underdrain improvements, full roadway reconstruction, drainage and storm sewer improvements, sidewalk and curb ramp replacement in accordance with PROWAG requirements, sanitary sewer lining and service repairs, localized sanitary sewer point repairs, and replacement of approximately .75 miles of water main. TEG was responsible for providing topographic survey and utility structure surveys, conditional analysis of all existing City-owned facilities, drainage assessment of the project area, televising and sanitary sewer inspection, sewer and water utility size upgrades, and coordination of pavement cores, soil borings, geotechnical analysis and environmental surveys. TEG served as the City's liaison for all portions of this public improvement from initial field evaluations through all phases of design, utility coordination, permitting, bid assistance, and public outreach. The project was split into two contracts separating advance utility stages from roadway reconstruction activities.

Galena-New York & Lake-River Two Way Conversion, Aurora, Illinois — Resident Engineer for this $2 million roadway improvement project. The project consists of permanently changing traffic operations from one-way to two-way along Galena Boulevard and New York Street between Broadway Street (IL RT 25) and Smith Road, and, Lake Street and River Street between Gale Street and New York Street. TEG's responsibilities included contract administration, inspection, documentation, public relations, and coordination with multiple Public Works departments.

2013-2014 Schmale Road Water Main Project, Village of Carol Stream, Illinois — Project Engineer for the Phase I design study of the $1.7 million Schmale Road Water Main Replacement Project. TEG's scope of services consisted of alternatives analysis and determination of the preferred alignment for removal and replacement of approximately 3,360 feet of old 10" and 12" deteriorated water main with poly-wrapped ductile iron water main along with new valves and hydrants on Schmale Road (DuPage CH 36) between St. Charles Road (DuPage CH 7) and Geneva Road. In addition, there were two alternates with the Schmale Road Water Main Replacement Project.

2013-2014 Lombard Transmission Main Project, Village of Lombard, Illinois — Project Engineer for preliminary and design engineering services for this $1.5 million project consisting of approximately 8,000 linear feet of 16" poly-wrapped ductile iron water transmission main to provide a direct connection from the Village's Civic Center Reservoir to the South Booster Station. TEG assisted the Village with utility notifications, bidding assistance, permitting requirements, IEPA Water Construction Permit, and the IDOT Region One Utility Permit.

Phase I, II, and III, 127th Street Entrance Modifications, Lemont, Illinois, Lemont Park District — Project Manager. The project need was initially based on the flooding issue at the park's main entrance. The site is home to the park district's recreation aquatic center / pool, ball fields, tennis courts, CORE fitness center, skatepark, courts, offices and preschool. The

BRIAN WITKOWSKI P.E., CFM, CSI

Project Representative



Education

Valparaiso University
Valparaiso, IN
Bachelor of Science,
Civil Engineering

Professional Registrations

Professional Engineer:
Illinois (062-060465)
Issued: 01-02-2008

Certified Floodplain Manager:
Illinois (14-00665)

Certified Stormwater Inspector: 8014

Professional Associations & Recognitions

American Society of Civil Engineers
American Public Works Association

Selected Continuing Education

IDOT QC/QA PROGRAM
- Documentation of Contract Quantities (#12-0086 exp. 12-7-15)
- Erosion Control & Sediment
- Pavement Construction & Inspection
- Public ROW Guidelines presented by U.S. Access Board
- 47th Annual Illinois Bituminous Conference
- Rehabilitating Streets & Highways
- ACI Certified Field Technician
- Trenchless Technologies
- Pavement Maintenance
- Materials Management of Jobsites

OTHER
- Traffic Calming Design
- Soil Erosion & Sediment Control
- FEMA National Incident Management System
- FEMA Intro to Incident Command System
- Adv. HEC-RAS Hydraulic Modeling
- Intersection Safety and Geometric Design
- GIS Applications in Water

project incorporated the relocation of the entrance in order to accommodate a boulevard concept along with the installation of walking trails, lighting, a drop-off lane, a left turn lane, and parking lot alterations as well as solving the drainage problems. Coordination was required with MWRD, the Village of Lemont, Cook County Highway Department, facility managers, the park district board, and the public.

Phase I, II, and III, New Archer Road, Including Streetscape & Parking Lot Reconstruction, Long Grove, Illinois, Village of Long Grove — Project Manager. The new Archer Road including Streetscape and the Archer Parking Lot reconstruction in Long Grove included a new road on a new alignment connecting Old McHenry Road (Lake County Highway Route) with Robert Parker Coffin Road in historic Downtown Long Grove. The Project scope included planning studies and community impact assessments, preparation of plans, specifications and cost estimates and construction engineering for the new Archer Road and along with reconstruction of the existing parking lot. This included the creation of a new public road to serve four parking lots as part of the newly adopted Downtown Master Plan. Key technical issues included utility design, drainage improvements, enhanced streetscape, and incorporation of environmentally friendly design elements such as permeable pavement, bio-swales, and energy efficient lighting for this award winning project.

Phase I, II, and III, Water System Improvements, Downtown Long Grove, Illinois, Village of Long grove — Project Engineer. This Award-Winning project included the establishment of a public water utility for the Village of Long Grove, Illinois. The Village's residents and businesses have utilized private shallow wells for water since its inception and have been experiencing inconsistent water quality. The water use required for development along the I-83 corridor would further draw down the shallow aquifer and would compromise the local shallow wells. Understanding this, the Village charged ESI Consultants, Ltd. with the design of a public water supply, treatment, storage, and distribution system. This project included the design of two deep Galesville wells, a 2,000 square foot water treatment plant, and an at-grade cast-in-place concrete water storage reservoir. The water treatment plant included ion exchange equipment, a pumping system that could produce 1,900 gpm, and a hydro pneumatic tank. The building was constructed with precast concrete tilt-up walls and a gable truss roof system. The exterior surface of the concrete walls was formed with an architectural liner for the appearance of brick and stone construction. The building footprint was required to be very small and the booster pump system also had to be designed with an extremely small footprint. This pumping system includes a PLC with HMI in its control panel that receives signals from pressure sensors located in the hydro pneumatic tank and will ultimately be connected into the water treatment plant's SCADA System.

Phase II-III, Sunset Groves Development, Long Grove, Illinois, Village of Long Grove — Village Engineer and Enforcement Officer. This project included review and oversight of a commercial development near the intersection of IL Route 83 and Aptakisic Road. Services provided included soil erosion and sediment control inspections, oversight and inspection of storm sewer installation, water main installation, sanitary sewer force main installation and sanitary sewer installation and testing. Other services included documentation of construction progress for review and approval of security reductions. Responsibilities included negotiating a security agreement between the Village of Long Grove and Sunset Groves LLC. This involved a new type of security that will allow the developer to avoid the high costs of maintaining a Letter of Credit and provide security for the village that public improvements will be completed if the developer pulls out of the development.

Phase I, II, and III, 2006 Street Rehabilitation Program, Long Grove, Illinois, Village of Long Grove — Village Engineer. Engineer for this $400K resurfacing and reconstruction of several roadways located within residential areas of the Village. This project was funded in part with Motor Fuel Tax revenue and was one phase of a multiple phase project.

Phase II and III, 2007-2008 Village Street Maintenance Program, Long Grove, Illinois, Village of Long Grove — Village Engineer. Pavement design, rehabilitation design, construction staking, construction cost estimates, motor fuel tax (MFT) submittals, construction management and construction inspection. This project was funded in part with Motor Fuel Tax revenue and in part with Village Funds.

Phase II and III, 2009 Village Street Maintenance Program, Long Grove, Illinois, Village of Long Grove — Village Engineer. Pavement design, rehabilitation design, construction staking, construction cost estimates, motor fuel tax (MFT) submittals, construction management and construction inspection. This project was funded in part with Motor Fuel Tax revenue and in part with Village Funds.

PROJECT EXPERIENCE

Phase I/II, Lake Street Streetscape Improvements, Oak Park, Illinois, Village of Oak Park — Project Principal. Project involves storefront to storefront reconstruction of roadway and streetscape appurtenances including, lighting, utilities, bluestone sidewalks, granite curbs, ADA improvements, street furniture, coordination with stakeholders and business districts, and other Village departments such as public works, parking, communications, police and fire.

Phase II, Weber Road Reconstruction, Romeoville, Illinois, Illinois Department of Transportation — Project Principal. This project involves complete Phase II design services for a one-mile section of Weber Road from just south of 135th Street/Romeo Road to Normantown Road. This project requires close coordination with Will County (who will be funding construction) and the Village of Romeoville, along with the adjacent designer responsible for the I-55 Weber interchange (Diverging Diamond) reconstruction. In addition to the widening and reconstruction of Weber Road, the project includes the design of a multi-use path, a retaining wall, and noise walls. Additional coordination with the US Army Corp of Engineers is needed to secure a 404 permit for future work being conducted within the Lily Cache Slough.

Phase I, Various/Various Studies, District 1, Illinois, Illinois Department of Transportation – Project Manager. Responsible for project management, administration and oversight for engineering and environmental studies and public involvement for various Highway Safety Improvement Program projects within the 6-county area in northeastern Illinois. Projects have included intersection and route improvements, culvert replacement and reconstruction projects and specialty route, topographical and tree surveys.

Phase I and II, Longmeadow Parkway Corridor (Phase I) and Section A (Phase II), Kane County, Illinois, Kane County Division of Transportation – Project Manager. Project includes completion of Phase I studies for entire Longmeadow Corridor including new bridge over the Fox River. Phase II work includes the preparation of plans, specifications and estimates for the easternmost 1-mile section of the proposed new alignment Longmeadow Parkway (total 6.5 miles). Design section includes plan preparation for new roadway alignment and signal design for two high-volume intersections at Randall and Huntley Roads.

Phase I, IL 56 (Butterfield Road) from IL 59 to Naperville Road, DuPage County, Illinois, Illinois Department of Transportation – Project Manager. Provided preliminary engineering services (Phase I) for a 6.2 mile section of add-lanes reconstruction which included accident, capacity and geometric studies as well as full environmental studies (ECAD) including mitigation efforts in hazardous waste, 4(f) properties, and wetlands. A full replacement of a bridge over West Branch of DuPage River as well as two culverts. Project deliverables included eight (8) Intersection Design Studies, programmatic 4(f) impact resulting in a deminimis finding, a location drainage study and a combined design report. The estimated construction cost for this project is $56M.

STEVE S. PASINSKI PE

QC/QA



Education

Bradley University,
Peoria, IL
- Bachelor of Science, Civil Engineering

University of Illinois at Chicago,
- Master of Public Administration

Professional Registrations

Professional Engineer
- Illinois 062-050829
- Issued: 07-23-1996

Professional Associations & Recognitions

Transportation Research Board
Panel Member

Selected Continuing Education

IDOT
- Context Sensitive Solutions
- Highway Program Finance
- Roadside Safety
- Highway Staging
- Pavement Design

NORTHWESTERN TRAFFIC INSTITUTE
- Advanced Geometric Design
- Traffic & Access Management
- Microcomputer Applications for Signal Timing
- Strategies for Urban Congestion

TRAFFIC CAPACITY/MODELING
- HCS
- Synchro

NATIONAL HIGHWAY INSTITUTE
- Highway Capacity & Quality of Flow
- Bicycle & Pedestrian Planning
- Improving the Effectiveness of Public Meetings
- Project Development & Environmental Studies

Phase I, Kirk Road and Fabyan Parkway Intersection Improvement, Batavia, Illinois, Kane County Division of Transportation – Project Manager. Project included Phase I engineering studies, environmental survey and public involvement to identify capacity and safety improvement for the major arterial intersection. Work included preparation of an intersection design studies, alternative analysis, access, crash and capacity analyses, oversight of preparation of a location drainage study and preparation of a project development report.

Phase II, Kirk Road and Fabyan Parkway Intersection Reconstruction, Batavia, Illinois, Kane County Division of Transportation – Project Principal. Following the successful completion of the Phase I portion of this project, the client selected TEG again to perform the Phase II portion. This intersection of two KDOT-owned and maintained Strategic Regional Arterials was widened and reconstructed. Improvements included channelization with the addition of dual left turn lanes and through / right turn lanes or right turn lanes on both Fabyan Parkway and Kirk Road. Traffic signal modernization and a curb and gutter closed drainage system were additional highlights of the improvement. The existing shared use path was reconstructed and extended.

Phase I, 87th Street and Woodward Avenue Intersection Improvement, Woodridge, Illinois, DuPage County Division of Transportation – Project Principal. Project included Phase I engineering studies, environmental survey and limited public involvement to identify capacity and safety improvement for the major arterial intersection. Work included preparation of an intersection design studies, alternative analysis, access, crash and capacity analyses, location drainage studies and preparation of a project development report. Project construction cost estimated at $3.2M.

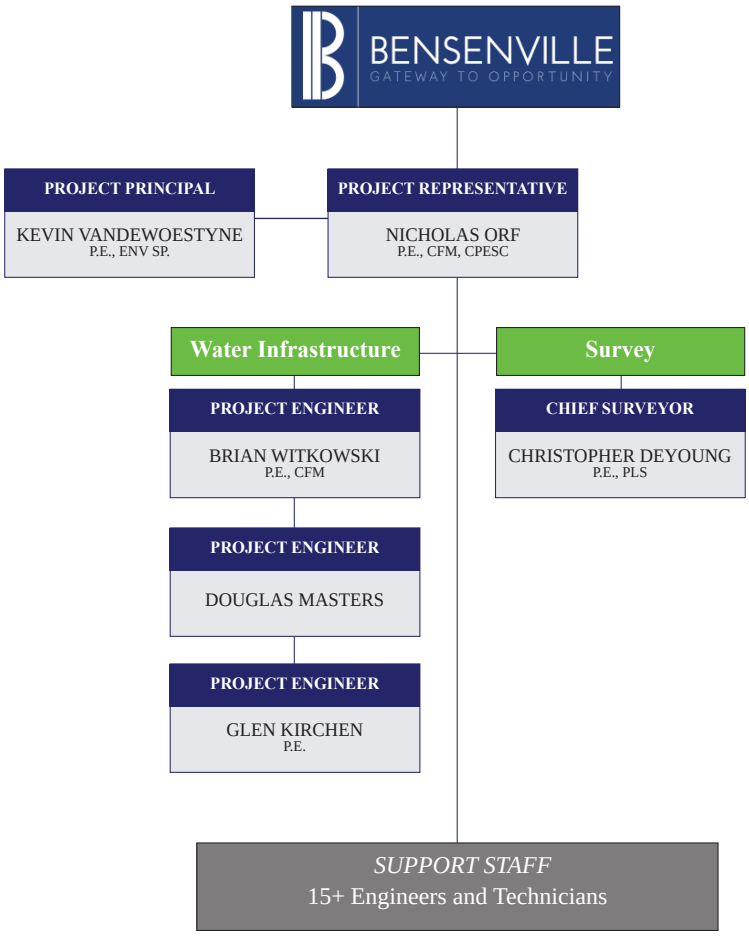
Phase I, I-74 at I-155 Interchange Reconstruction, Morton, Illinois, Illinois Department of Transportation – Project Manager. Responsible for preliminary engineering services and overseeing the Context Sensitive Solutions (CSS) public involvement process for the reconstruction of a system interchange (I-74 @ I-155) and an adjacent service interchange (I-74 at Morton Avenue). This project was the first project in Illinois to go through the full CSS policy and included development of a Stakeholder Involvement Plan (SIP), a Community Advisory Group (CAG) and a series of stakeholder meetings. This work included capacity and safety studies for two interchanges, structural planning, detour studies, right-of-way analysis, and an extensive alternatives analyses. Deliverables for the project included two Interchange Design Studies, two Intersection Design Studies, a Location Drainage Study, a Traffic Management Plan, an Environmental Class of Action Determination (ECAD), cost estimates and preparation of a combined design report. The estimated construction cost is $90M.

Phase I, Division of Rail - Chicago Region Environmental and Transportation and Efficiency Program (CREATE) P-3 Project; 75th Street Flyover Bridge, Chicago, Illinois, Illinois Department of Transportation – Project Manager. Responsible for preliminary engineering services, including preparation of a design report, determination of ROW needs, environmental assessment (EA), track alignment, signal layout, bridge closure studies, staging plans, bridge condition reports, structure reports and type, size and location drawings and cost estimates. General scope of work for the P-3 section includes a double-tracked flyover structure to carry CSX Railroad over the Metra (2 tracks), Norfolk-Southern (1 track) and Belt Railway Company (3 tracks) to eliminate all of the diamond crossings, improve throughput operations and yard access, and eliminate the transit/freight and freight/freight conflicts. The estimated construction cost is $12M.

Phase I, Access Justification Report (AJR): I-57 at 6000 North, Kankakee County, Illinois Department of Transportation – Project Manager. Project included the preparation of AJR for new Interchange along I-57 in Kankakee County. Individual responsibilities included traffic scenario analyses for three concept interchange locations as well as planning and local project coordination.

WASTEWATER IMPROVEMENTS

Thomas Engineering Group (TEG) team members have outstanding design experience in Wastewater related infrastructure design and coordination. Our key staff has previously worked on relevant design and construction projects and each have a high degree of familiarity with municipal improvements and their expectations. These team members have also worked together on many recent successful TEG projects. The following is an organizational chart of the key personnel and their roles on the team. The resume of the project representative is also included in this section.



Phase I/II/III CBD Alley Reconstruction Project, Westmont, Illinois, Village of Westmont — Project Manager. Phase I of this project included the investigation and alternatives analysis for the reconstruction of several alleys in the Village's central business district that were in poor condition and had drainage issues. A specific focus was placed on evaluating green infrastructure and sustainable designs in addition to typical pavement designs. Based on the alternatives analysis, the Village chose to replace the alleys with a design that includes pervious brick pavers over pervious concrete to limit the potential for settlement of the brick pavers, especially from delivery and garbage truck traffic. Phase II included the development of plans, technical specifications, and bid documents for two sections of alleys. TEG also assisted the Village with bidding, coordination with adjacent business and utility projects, and continued with full time Phase III construction engineering services.

Phase II, Shorewood Crossroads Plaza, Shorewood, Illinois, Crossroads Management, LLC — Drainage Engineer. TEG provided Phase II engineering services for a private developer for this site improvement located in western Will County. It is situated in the northwest quadrant of US 52 and IL 59 which is the gateway intersection to the Village of Shorewood. The scope included significant earth excavation, retaining wall removal, drainage improvements including storm sewer and underground detention, new utility connections, and parking lot and pedestrian facility improvements. The new site layout accommodated additions to two existing buildings (one of which had a drive-thru) and one new building. Following the successful completion of the Phase II portion of this project, the client selected TEG again to perform the Phase III portion.

Phase I, II, and III, 2015, 2014, 2013 Water Main Projects, Oak Brook, Illinois, Village of Oak Brook — Project Manager. This project involved design and construction engineering services associated with water main improvements in Oak Brook. The purpose of these water main projects was to develop plans for replacement of over 13,100 feet of existing water main which was experiencing frequent breaks and disruptions. TEG assisted the Village with utilizing an innovative and cost effective solution by specifying PVC C-900 water main, as well as addressing a number of localized drainage problems. TEG also assisted the Village with utility notifications, IEPA Water Construction Permit, and DuPage County Division of Transportation Permit.

Phase II, Weber Road Reconstruction, Romeoville, Illinois, Illinois Department of Transportation — Drainage Engineer. This project involves complete Phase II design services for a one-mile section of Weber Road from just south of 135th Street/Romeo Road to Normantown Road. This project requires close coordination with Will County (who will be funding construction) and the Village of Romeoville, along with the adjacent designer responsible for the I-55 Weber interchange (Diverging Diamond) reconstruction. In addition to the widening and reconstruction of Weber Road, the project includes the design of a multi-use path, a retaining wall, and noise walls.

NICHOLAS
ORF
P.E., CFM, CPESC
Project Representative



Education
University of Wisconsin - Madison
Madison, WI
Bachelor of Science,
Civil Engineering

Technical Communications
Certificate

Professional Registrations
Professional Engineer:
Illinois 062-059998
Minnesota 47011
Wisconsin 40180-6
Certified Floodplain Manager
IL-06-00270
Certified Professional in Erosion & Sediment Control 7134

Professional Associations & Recognitions
American Society of Civil Engineers
Illinois Association for Floodplain & Stormwater Management
Engineers Without Borders

Selected Continuing Education
ACEC-Illinois/IDOT - Drainage Seminar
IAFSM-FEG modeling Class
IAFSM- Floodplain Management Seminar
IDNR-OWR Permitting Seminar
UW-Madision Extension - Designing Best Management Practice for Stormwater Quality
H&H MODELING SOFTWARE
HEC-RAS, HEC-2
HEC-HMS, HEC-1
StormCAD, HydroCAD
TR-55, TR-20
FEQ, SWMM

Phase I, Various Locations, Illinois Department of Transportation, Region 1 — Drainage Engineer. Working directly with IDOT Programming In-House staff, responsibilities include engineering, environmental studies and public involvement for various Phase I projects. Task Orders initiated through this project have included: intersection and route improvements, culvert replacements, Highway Safety Improvements (HSIP), topographical & tree surveys and ADA inspection. Multiple projects under this contract have been processed as Categorical Exclusions.

Phase I and II, Longmeadow Parkway Corridor Construction, Kane County, Illinois, Kane County Division of Transportation — Drainage Engineer. Project includes the completion of Phase I studies for the entire Longmeadow Corridor, including the new bridge over the Fox River. Phase II work includes the preparation of plans, specifications, and estimates for the westernmost 1-mile section of the proposed new alignment Longmeadow Parkway (total 6.5 miles). Design section includes plan preparation for new roadway alignment and two high-volume intersections at Randall and Huntley Roads. Overall cost anticipated to be approximately $100M.

Phase I, West Branch DuPage River Flood Study, Warrenville, Illinois, City of Warrenville – Lead Project Engineer. This project involved the flood study and investigation of the West Branch DuPage River through the City of Warrenville after the September 2008 flood event. Tasks included evaluating rainfall data, FEQ hydraulic models, and documented flooding extents to estimate the potential causes for flood damages and develop a strategy to reduce the future flooding potential. Project included close coordination with DuPage County staff in the development of the West Branch DuPage River Watershed Plan to address the interests of the City of Warrenville and corroborate the results to allow for the technical aspects of the Watershed Study to be confirmed during its development and provide efficient review and confirmation of the data. Duties also included preparing for and presenting at City Council Meetings to keep local officials and residents aware of the project status and findings.

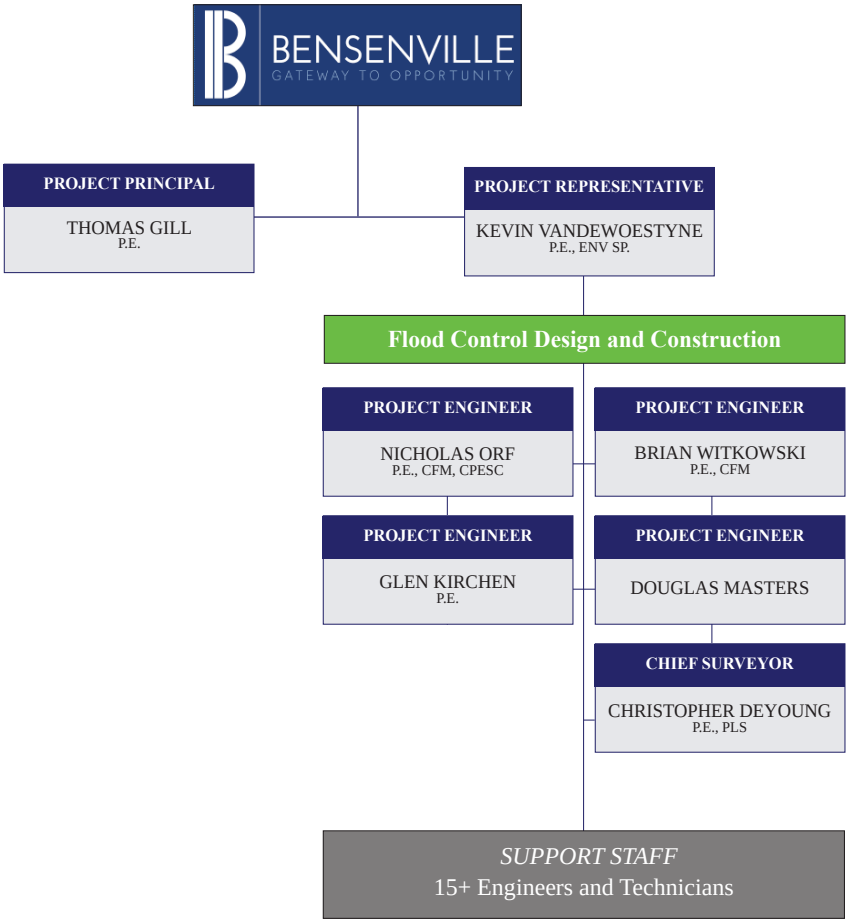
Phase I, 87th Street at Woodward Avenue Intersection Improvement, Woodridge, Illinois, DuPage County Division of Transportation — Drainage Engineer. This project included Phase I engineering studies, environmental survey and public involvement to identify capacity and safety improvements for a major arterial intersection. Work included preparation of an intersection design study, alternatives analysis, access improvements, crash and capacity analyses, location drainage studies and preparation of a project development report. Project construction cost is estimated at $3.4M.

Phase II and III, I-94 and I-294 Ramp Reconstruction, Cook and Lake Counties, Illinois, Illinois State Toll Highway Authority — Project Engineer. This project included Phase II and Phase III engineering services required for the preparation of contract plans, specifications, and estimates, project-related permits, construction inspection, and project management services for selected ramp reconstruction projects along the Tri-State Tollway in Cook and Lake Counties, IL. Moving south to north, the four general locations included various ramps at I-294 at I-55, I-294 at US 20/Lake Street, I-294 at I-90/I-190/River Road, and I-94 at IL 120. The project also included a noise wall extension at the Plainfield Road bridge over I-294 near Indian Head Park, IL.

Phase II, US 34 Corridor Construction, Carman Road to TR 111, Henderson County, Illinois, Illinois Department of Transportation — Drainage Engineer. This project expanded US 34 from a two-lane rural roadway to a four-lane divided roadway with a portion of the proposed roadway on new alignment. The project included two single-span twin structures that were new waterway crossings. Duties included roadway profile and alignment design; design of the entire highway drainage system; and preparation of plans, specifications, quantities, and estimates. In addition to the two new structures, the drainage system included approximately 100 culverts and more than 24 miles of ditches.

STORMWATER ENGINEERING

Thomas Engineering Group (TEG) team members have outstanding and relevant design experience in stormwater management, conveyance, storage design, hydrologic and hydraulic modeling, floodplain and floodway studies, watershed planning, and storm sewer and culvert design. Many of our key staff have previously worked on stormwater management and floodplain study projects within DuPage County and have a high degree of familiarity with municipal design and permitting expectations. The resume of the project representative is also included in this section.



PROJECT EXPERIENCE

Phase I and II, Weathersfield Way Resurfacing Project and Culvert Rehabilitation, Village of Schaumburg – Project Principal for planning and design of this federally funded roadway resurfacing, shared use path, culvert rehabilitation, and street lighting project. Project has existing 1 lane of travel and bike lane in each direction. The project includes HMA pavement resurfacing (5”), pavement patching, sidewalk/curb ramp upgrades, minimal curb and gutter repairs, and pavement markings. TEG is also providing alternative options to provide for an off-street multi-use path and on-street parking lanes within the project limits. These include the possibility of widening Weathersfield Way to keep all elements on-street, or providing a separate off-street shared use path. The project also includes trenchless rehabilitation (lining) of an existing 42” CMP culvert.

Phase I and II, Gary Ave, N. Main St, and Orchard Rd LAFO Resurfacing Projects, City of Wheaton – Project Principal for planning and design of federally aided Local Agency Functional Overlay (LAFO) improvements awarded to the City under the DuPage Mayors and Managers Conference (DMMC) Surface Transportation Program (STP). TEG prepared final engineering plans, specifications, and cost estimates in accordance with IDOT design guidelines and IDOT Letting Schedule for construction in 2017 to capture the 5% STP Fund Rescission Prevention match for both Gary Avenue and Orchard Road. Projects included the Gary Avenue LAFO ($319K), N. Main Street LAFO ($627K), and Orchard Road LAFO ($500K).

Phase II and III, Wheaton Water Main Replacement Project, Wheaton, Illinois, City of Wheaton – Project Manager and Designer for this $2 million project. Thomas Engineering Group was hired by the City of Wheaton to provide final design engineering and construction engineering services for water main replacement at four (4) separate locations for construction in 2017. The scope of work consists of 5,800 feet (1.1 miles) of new water main installation, water main abandonment, fire hydrant replacement, domestic water service box and service line replacement, partial storm sewer replacement, and pavement patching, sidewalk, driveway, and landscape restoration. TEG provided utility coordination and acquired permits for construction from the IEPA, IDOT, DuPage County Division of Transportation, and Union Pacific RR for trenchless installation beneath the railroad crossing.

Phase III, 2016 Roosevelt Road Water main Rehabilitation Phase I from Finley Road (West Contract: Western Village Limits to Fairfield Ave) – Project Principal. TEG prepared and submitted a $10 million successful loan application for Illinois State Revolving Fund (SRF) Public Water Supply Loan Program (PWSLP) through the IEPA’s Infrastructure Financial Assistance for funding construction and construction engineering for the Village’s 2016-2017 water main projects. TEG also served as the Resident Engineer of construction for the first construction phase of the project, the West Contract. The first phase of this two-stage project was constructed in 2016 and consisted of the rehabilitation of approximately 7,000 linear feet of distribution main, ranging from 8” to 12” diameter water main, along IL Route 38 (Roosevelt Road) from approximately 1200’ west of Finley Road to Wisconsin Avenue. The

KEVIN VANDEWOESTYNE P.E., ENV SP

Project Representative



Education

Bradley University
Peoria, IL
Bachelor of Science,
Civil Engineering

Professional Registrations

Professional Engineer:
Illinois 062-061311
Issued: 12-22-2008

ISI Envision™ Sustainability Professional

Professional Associations & Recognitions

American Society of Civil Engineers
American Council of Engineering Companies - Illinois

Selected Continuing Education

IDOT QC/QA PROGRAM
Documentation of Contract Quantities
(12-0073, Exp. 12-07-15)
IDOT OTHER
APWA/IDOT Project Finalization Procedures Seminar 2006
ICORS 2008 Training Seminar
MISTIC Database for IDOT Construction
ACEC
Total Quality Pavement Management and Superpave for the Local Agency
SAFETY
Fall Protection Regulation & Equipment Familiarization
Confined Space Regulation & Equipment Familiarization
MERIDIAN PROLIANCE WEB BASED PM SYSTEM
Construction Phase Process
Drawing Construction Management Course
WBPM Coordinator
LAKE COUNTY STORMWATER MANAGEMENT
Designated Erosion Control Inspector Workshop

scope of work included lining the existing water main in the Roosevelt Road right-of-way, temporary bypass water main, maintaining and reinstating services, replacement of valves, hydrants and fittings, and segments of new water main. The project required public involvement and staged construction with lane closures on Roosevelt Road and posted detour routes. TEG was selected by the Village as the Resident Engineering for the second stage of the project, the East Contract in 2017. The East Contract includes rehabilitation of approximately 9,000 LF of water main on Roosevelt Road from Fairfield Road to Wisconsin Avenue.

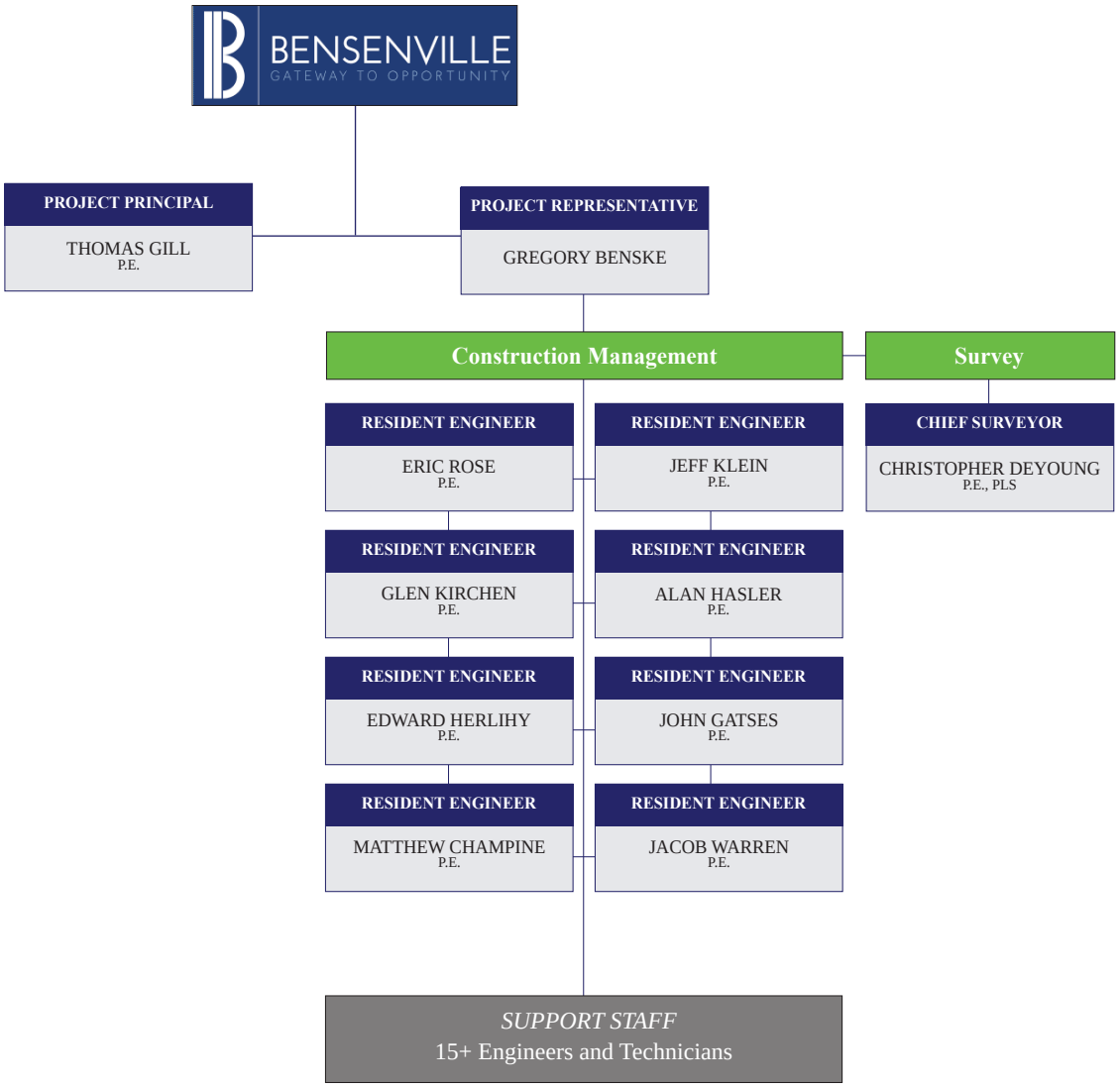
Phase II and III, 2016 Edgecreek Drive Lift Station Rehabilitation Project, Joliet, Illinois, City of Joliet – Project Manager and Designer. Thomas Engineering Group provided design engineering services for this lift station renovation which consisted of the removal and replacement of Submersible Chopper Pumps, base elbows and slide away coupling system, upper/lower and intermediate guide rail supports, new stainless steel guide rails, all internal station riser piping, fittings, etc. as required, structural lining of the existing concrete wet well structure, new wet well top slab with new aluminum duplex access frame and cover with fall through protection grating system, new stainless steel cable support brackets, Porta-con by-pass pump connection system and required piping, new piping and valves within the existing valve vault, new valve vault flat top with two (2) new aluminum access hatches, Porta-con and connecting piping/valving within the valve vault, removal and replacement of wet well discharge piping between the wet well and the valve pit including connections to the existing concrete walls, removal and re-routing of the existing gravity inlet piping through a new sanitary sewer manhole and external drop near the wet well, re-routing of the 4" force main inlet piping with external drop, new pump connection junction box, new level control/monitoring system, new standalone pad mounted control panel and automatic transfer switch, temporary electrical feed and all electrical changes required to provide a complete turnkey renovation of the existing station from its existing state to the new redesigned station as described.

Phase II, 2015-2016 St. John Street Reconstruction Project, City of Elgin, Illinois – Project Manager. TEG provided preliminary and final design engineering services for an 11 block residential street and utility rehabilitation/reconstruction project for a neighborhood constructed in the 1800s. The project scope included subgrade and underdrain improvements, full roadway reconstruction, drainage and storm sewer improvements, sidewalk and curb ramp replacement in accordance with PROWAG requirements, sanitary sewer lining and service repairs, localized sanitary sewer point repairs, and replacement of approximately .75 miles of water main. TEG was responsible for providing topographic survey and utility structure surveys, conditional analysis of all existing City-owned facilities, drainage assessment of the project area, televising and sanitary sewer inspection, sewer and water utility size upgrades, and coordination of pavement cores, soil borings, geotechnical analysis and environmental surveys. TEG served as the City's liaison for all portions of this public improvement from initial field evaluations through all phases of design, utility coordination, permitting, bid assistance, and public outreach. The project was split into two contracts separating advance utility stages from roadway reconstruction activities.

Phase I and II, 2015 Pomeroy Street and Brown Street Infrastructure Improvements, City of West Chicago, Illinois – Project Manager. This project was part of the final cleanup of the Kerr-McGee Superfund site in the City of West Chicago to serve a residential area of the City with sewer and water service that was formerly near processing facility (now closed and owned by the Kerr-McGee Chemical Corporation), a site that was contaminated by radioactive thorium waste material. The West Chicago Environmental Response Trust (WCERT, the agency responsible for completing this project) funded the water main portion of the project with the City electing to install a sanitary sewer main simultaneously. TEG responsibilities included identification of critical project areas and conflicts related to routing the City's infrastructure and sequencing and bypass requirements to minimize water and sewer system shutdowns. TEG designed a new sanitary sewer system to serve twelve (12) single family homes, previously served by individual well and septic systems, with domestic water service connections and sanitary sewer service stubs by extending City water main and sanitary sewer main.

CONSTRUCTION ENGINEERING

Thomas Engineering Group (TEG) resident engineering staff have excellent experience in roadway, water main, wastewater conveyance, and other underground utility improvements. Many of our key staff have previously worked on similar construction projects (many award winning) and have a high degree of familiarity with municipal projects and their expectations. The following is an organizational chart of the key personnel and their roles on the team.



All of TEG's field support staff as well as the staff listed here are IDOT Documentation Certified.

PROJECT EXPERIENCE

Phase III, Deerfield Road Reconstruction, Village of Deerfield — Project Manager. Provided construction inspection services for 2.39 miles of full and partial pavement reconstruction in the Village of Deerfield and the City of Highland Park. Work includes HMA surface removal and resurfacing, pavement patching, pavement removal and replacement with full depth HMA and jointed PCC pavement, combination concrete curb and gutter, storm sewer, cured-in-place pipe lining of sanitary sewer and water main replacement in the Village of Deerfield, new sidewalk, bridge resurfacing over the Middle Fork and West Fork of the North Branch of the Chicago River, and modernization and interconnection of ten traffic signals. The project also includes the replacement of the superstructure for the Deerfield Road bridge over Berkeley Road and repairs to the Deerfield Road bridges over Union Pacific Railroad/Old Skokie Highway and US 41.

Phase III, US-12 (Rand Road) Resurfacing, Illinois Department of Transportation — Project Manager/Resident Engineer. Provided the construction inspection services for the improvement of US 12 (Rand Rd.) Lake-Cook Rd. to Golf Rd. This 10 mile stretch of roadway was divided into two separate contracts with two different contractors. Work included pavement patching, Hot-Mix asphalt surface removal, resurfacing with polymerized leveling binder and HMA surface course, ADA ramp requirements for curb ramps will be brought up to standard, detector loop replacement, curb and gutter removal and replacement, frame and grate adjustments, thermoplastic pavement marking and raised reflective pavement markers.

Phase III, Jackson Drive over Metra & ICRR, Chicago, Illinois, City of Chicago — Resident Engineer. The project included the federally funded $11M Jackson Drive bridge reconstruction / replacement of a three span steel beam structure on reinforced concrete piers and vaulted abutments. The structure was in poor condition and the following improvements were provided: removal and replacement of viaduct superstructure and bearings, install new foundations, and replace street lighting. Provided construction coordination with adjacent property owners (Metra Railroad, ICRR, Art Institute and Chicago Park District). Sensitive issues included coordination with Metra for work around catenary lines for the South Shore electric transit line, and coordination with the Art Institute to minimize construction staging issues and reduce impacts form construction vibration. During the construction startup phase, the design was modified to incorporate seismic type design joints and bearing systems to minimize vibration impacts.

Phase III, I-90 (Kennedy) Expressway/Milwaukee Avenue Bridge, Chicago, Illinois, Illinois Department of Transportation and Chicago Department of Transportation — Resident Engineer. The project included a $3.6M IDOT/CDOT bridge reconstruction. Resident Engineering services were provided to the Chicago Department of Transportation (CDOT) for the superstructure replacement and substructure repair of Milwaukee Avenue over I-90 and the Chicago Transit Authority (CTA) tracks. The project consisted of the tunnel repairs and demolition of the existing deck and beams using nighttime closures on I-90 to avoid day closures. This project was

GREGORY
BENSKE
Project Representative



Education
Marquette University, Milwaukee, WI
Bachelor of Science, Civil Engineering

Professional Associations & Recognitions
ASCE

Selected Continuing Education
IDOT QC/QA PROGRAM
Documentation of Contract Quantities
(#14-0027, Exp. 12-11-17)
Hot Mix Asphalt
Aggregate
Level I
Portland Cement Concrete
Level I & II
Bituminous Concrete
Level I, II
Nuclear Density Testing
ICORS

IDOT OTHER
APWA/IDOT Project Finalization
Procedures Seminar 2006

unique in that it involved a cooperative effort between IDOT and CDOT (the design was performed under IDOT supervision, while the construction management was performed under CDOT). Careful attention and adherence to the standards of both agencies were performed.

Phase III, I-90 (Kennedy) Expressway/Natoma Avenue Bridge, Chicago, Illinois, Illinois Department of Transportation and Chicago Department of Transportation — Resident Engineer. The project included a $1.4M IDOT/CDOT bridge reconstruction. Resident Engineering services were provided to the Chicago Department of Transportation (CDOT) for the superstructure replacement and substructure repair of Natoma Avenue over I-90 and the Chicago Transit Authority (CTA) tracks. The project consisted of the retaining wall repairs and demolition of the existing deck and beams using nighttime closures on I-90 to avoid day closures. This project was unique in that it involved a cooperative effort between IDOT and CDOT (the design was performed under IDOT supervision, while the construction management was performed under CDOT). Careful attention and adherence to the standards of both agencies were performed.

Phase III, Sheridan Road Resurfacing, Evanston, Illinois, Illinois Department of Transportation — Resident Engineer. This $1.2M project included 0.88 mile resurfacing on Sheridan Road/South Boulevard from north of Juneway Terrace to South Boulevard & Sheridan Road to Chicago Avenue in Evanston; full depth pavement; 2,600 tons polymerized HMA surface course, milling; patching; concrete surface removal; detector loop replacement; thermoplastic pavement marking; mobilization; traffic control and protection. Work on this project occurred simultaneously with south section of Sheridan Road from Arthur Avenue to north of Juneway Terrace in Chicago.

Phase III, Sheridan Road/South Resurfacing, Chicago, Illinois, Illinois Department of Transportation — Resident Engineer. This $1.4M project included 1.69 mile resurfacing from Arthur Avenue to north of Juneway Terrace in Chicago. Work performed utilized daytime closure in highly dense traffic corridor. Construction staged to avoid conflict with Loyola University start of semester activities. Included 6,200 tons polymerized HMA surface course, Mix F; 1,020 square yards patching; 3,300 tons polymerized leveling binder (machine method); 29,065 feet thermoplastic pavement marking; mobilization; traffic control and protection.

Lee Road & Walters Avenue Jurisdictional Transfer, Northbrook, illinois — Resident Engineer for this $4.2 million jurisdictional transfer project from Cook County to the Village of Northbrook. The project included approximately 1 mile of Lee Road and Walters Avenue from Shermer Road to Waukegan Road. Utility relocations were performed including approximately 3000 feet of 6” gas main. The improvements included temporary pavement, full depth pavement removal and replacement with bituminous binder and surface course, sidewalk, curb and gutter, landscaped parkway, water main, and storm sewer. Coordination with IDOT necessary to construct a 48” storm sewer across Waukegan Road utilizing only daytime lane closures. Coordination and communication with residents regarding driveway access, tree removals/replacements, temporary drainage facilities, and temporary utility shut-downs was a priority.

Phase III, Stearns Road Contract 2, Kane County, Illinois, Kane County Division of Transportation — Assistant Resident Engineer. This federally funded project included pavement widening and reconstruction consisting of pavement removal, earth excavation, placement of furnished excavation, railroad bridge and railroad track construction, PCC pavement, median and sidewalk construction, storm sewer installation, retaining wall construction, landscaping, traffic signal modernization and interconnection, placement of pavement markings and all other incidental items to complete the work on FAP Route 361 (McLean Boulevard/ IL Route 31) at New Stearns Road at McLean Boulevard and McLean Boulevard at IL Route 31 intersections.

Project / Client	1. West Chicago City Engineering Services, 2008-current, Phases I-III
Scope of Work / (Contractor) / Client POC	TEG provides comprehensive design, planning, programming, cost estimating, conditional ratings and construction inspection services for various proactive Capital Improvement Programs including roadway resurfacing, roadway reconstruction, drainage, sewer and water, crack sealing, traffic calming, sidewalk maintenance, pavement marking, and signing projects. Work included securing all applicable permits needed from State, Local and Federal agencies. TEG serves as the City's engineering liaison on contractual issues during construction providing construction observation and contract administration for all CIP surface and infrastructure improvements. TEG provides full-time inspection of public and private construction projects (sanitary sewer service, storm sewer service, water service, site grading, pavements, etc.) for compliance with approved engineering plans and acceptable construction practices. TEG identifies and applies for federal-aid funding through regional and state jurisdictions for CDBG, STP, STP (LAFO), TCM, MFT, and CMAQ projects. TEG develops comprehensive punch lists for residential and commercial developments in accordance with all local ordinances and standard engineering practices. TEG provides topographic surveying services for local storm sewer, culvert, and Capital Improvement projects. ▪ Prepares final engineering drawings and cost estimates ▪ Performs full range of conditional ratings of City assets ▪ Chairs permit review meetings and preconstruction conferences ▪ Full-time inspection and observation of all contractors' operations ▪ Administers the City's materials testing contract ▪ Coordinates private utility agencies permits and work schedules ▪ Prepares contractor's pay estimates and change orders ▪ Prepares final documentation and record drawings ▪ Work closely with Public Works Utilities Department to administer final sewer and water main testing in accord with IEPA requirements. (GC: Various) POC: Robert Flatter, Director of Public Works, West Chicago 630.293.2255
Project Team	Kevin VanDeWoestyne (Project Principal), Doug Masters (Project Manager), Brian Witkowski (Project Manager), Jeffrey Klein (Resident Engineer), Alejandro Zepeda (Utility Permitting Engineer), Tomasz Tretowicz (Project Engineer), Elias Korolis (GIS / Field Engineer)
Construction Cost / Fee / Year	$25 Million / $7 Million / 2008-2017

Project / Client	**2. Management & Implementation Experience with STP Highway & TCM Programs, Phase I and II**
Scope of Work / (Contractor) / Client POC	TEG serves as an authorized delegate on the Transportation Technical Committee and is an active member of the Conference's STP Methodologies Task Force Committee. Involvement on the Task Force Committee includes valuation and guided maintenance of the Regional Council's STP Methodologies and STP Policies and Procedures Manual. As the authorized representative of a member municipality, we have firm experience guiding project sponsors through the project submittal and program monitoring phases through the regional Council of Mayors and the Chicago Metropolitan Agency for Planning (CMAP) five-year Transportation Improvement Program (TIP). TEG has administered STP and TCM projects in the Conference ranging from $50K to over $1 million in total construction cost. As the selected consulting engineer for these projects, TEG was accountable for services ranging from assisting clients with programming through the Regional Council to securing design approval for the development of plans, specifications and estimates for federally funded projects. In addition, TEG has successfully obtained requests for additional funds and time extensions for already programmed projects on behalf of project sponsors. TEG has secured over $4 million through STP federal funding applications for preserving and/or reconstructing municipal FAU collector routes and urban minor arterial streets throughout DuPage County. <u>Successful STP Funding Applications</u> • West Chicago – Joliet Street LAPP $624,200.00 • West Chicago – Powis Road LAPP $246,019.00 • West Chicago – Arbor Avenue LAPP $303,786.00 • Wheaton – Gary Avenue LAPP $159,433.00 • Wheaton – North Main Street LAPP $313,556.00 • Wheaton – Harrison Avenue LAPP $496,420.00 • Wheaton – Manchester Road LAPP $405,070.00 • Wheaton – Orchard Road LAPP $350,209.00 • Wheaton – President Street LAPP $373,411.00 • Wheaton – Blanchard/President Street $553,788.00 • Wheaton – West Street LAPP $199,751.00 • West Chicago – Washington Street $301,392.00 POC: Paul Redman, City Engineer – City of Wheaton 630.260.2065 POC: Robert Flatter, Director of Public Works – West Chicago 630.293.2255
Project Team	Kevin VanDeWoestyne (Project Principal), James Yuratovac (Project Manager), Brian Witkowski (Project Manager), Jeffrey Klein (Resident Engineer), Kent Williams (Resident Engineer)

Project / Client	**3. Schaumburg STP Resurfacing and Reconstruction Projects, Phase I and II**
Scope of Work / (Contractor) / Client POC	TEG provided planning and design of this federally funded roadway resurfacing, shared use path, culvert rehabilitation, and street lighting project. TEG is providing Phase 1 and 2 Engineering services (including processing of the Phase 1 approval through IDOT) for STP resurfacing of Weathersfield Way in the Village of Schaumburg. Project has existing 1 lane of travel and bike lane in each direction. The project includes HMA pavement resurfacing (5"), pavement patching, sidewalk/curb ramp upgrades, minimal curb and gutter repairs, and pavement markings. TEG is also providing alternative options to provide for an off-street multi-use path and on-street parking lanes within the project limits. These include the possibility of widening Weathersfield Way to keep all elements on-street, or providing a separate off-street shared use path. The project also includes trenchless rehabilitation (lining) of an existing 42" CMP culvert under the proposed off-street shared use path. PHASE I, KNOLLWOOD DRIVE IMPROVEMENTS, VILLAGE OF SCHAUMBURG – TEG is also providing Phase I Engineering Services for the Knollwood Drive Improvements between Golf Road and Bode Road. The project improvements include complete reconstruction of Knollwood Drive within the project limits. Knollwood Drive will be reconstructed to maintain one lane of traffic in each direction with bike and parking accommodations. The scope of services includes topographic survey, parking study, Intersection Design Study (IDS) of Golf Road and Knollwood Drive, traffic counts, capacity analysis, conceptual drawings, alternatives analysis, public involvement, and detailed engineering, deliverables, coordination, and reporting. POC: Karyn Robles, Director of Transportation, 847.923.3859 POC: Kristin Mehl, Senior Civil Engineer, 847.923.6618
Project Team	Kevin VanDeWoestyne (Project Principal), James Yuratovac (Project Manager), Don Naughton (Senior Technician)
Construction Cost / Fee / Year	$1.2 Million (Weathersfield) / $137K (Weathersfield), $87K (Knollwood) / 2016-2017

Project / Client	**4. Phase I/II, Lake Street Improvements, Lake Street from IL 43 (Harlem Avenue) to Austin Boulevard, Village of Oak Park Illinois**
Scope of Work / (Contractor) / Client POC	Thomas Engineering Group is providing a combination of planning and engineering services for the Lake Street infrastructure improvements project in the Village of Oak Park's primary commercial district. TEG is responsible for engineering, public involvement, and environmental screening to design a streetscape reconstruction project from Harlem to Euclid, a resurfacing project with ADA improvements (Euclid to Austin) and utilities project in which water and sanitary mains and services are being replaced between Grove Avenue and Euclid Avenue. TEG collaborated with stakeholders, various Business Districts, Village Departments, utilities, and developers to identify the most feasible grouping of improvements. Phase I included preliminary engineering studies (traffic, safety, drainage, feasibility, etc.) to identify the most context appropriate streetscape reconstruction design that properly considers the previous 10+ years of Village-wide planning efforts and public involvement/surveys. This work included a network traffic study which required collection of traffic data at over 26 nodes in and near the primary downtown Village business District and studied progression, conversion of various streets to one-way, limiting turn movements, traffic calming, detours, bikeways, parking and loading zone studies, vehicle and pedestrian signal designs, etc. Work also included addressing conflicts with approximately 19 private vaults located beneath public sidewalks. TEG worked closely with Village Landscape Architect (Lakota) and Wayfinding Consultant (Sasaki) to ensure street design and staging would accommodate plans for their respective disciplines. TEG is preparing Phase II plans for this section that will include decorative street and pedestrian lighting as well as signal modernization at 6 intersections. Material pallets tentatively include bluestone sidewalk, signature brick intersections, colored concrete cross-walks and a raised speed table/cross-walk in front of the historic Lake Street Theater. TEG is preparing Phase II plans, specifications, and estimates for a Lake Street resurfacing between Euclid Avenue and Austin Avenue (includes ADA and push-button activated signal improvements. TEG is also preparing plans for water and sanitary sewer improvements (replacement of mains and services) between Grove and Euclid as well as water and sewer lining improvements to the east. POC: Bill McKenna, Village Engineer / 708.358.5722/ bmckenna@oak-park.us
Project Team	Proj. Manager-Steve Pasinski, P.E., Proj. Engineer (Phase I)–Curtis Cornwell, P.E., PTOE, Proj. Engineer (Phase II) – Brian Pawula, P.E., Proj. Engineer (Sewer) Tom Tretowicz, Constructability – Eric Rose, P.E., QC – Kevin VanDeWoestyne, P.E.
Construction Cost / Fee / Year	$16M / $1.3M / 2019

Project / Client	5. IEPA PWSLP Loan Applications and Project Administration
Scope of Work / (Contractor) / Client POC	PHASE III, 2016 ROOSEVELT ROAD WATER MAIN REHABILITATION PHASE I FROM FINLEY ROAD (WEST CONTRACT: WESTERN VILLAGE LIMITS TO FAIRFIELD AVE) – TEG prepared and submitted a $10 million successful loan application for Illinois State Revolving Fund (SRF) Public Water Supply Loan Program (PWSLP) through the IEPA's Infrastructure Financial Assistance for funding construction and construction engineering for the Village's 2016-2017 water main projects including this one. TEG also served as the Resident Engineer of construction for the first construction phase of the project, the West Contract. The first phase of this two-stage project was constructed in 2016 and consisted of the rehabilitation of approximately 7,000 linear feet of distribution main, ranging from 8" to 12" diameter water main, along IL Route 38 (Roosevelt Road) from approximately 1200' west of Finley Road to Wisconsin Avenue. The second phase of the project was constructed in 2017 and consisted of lining approximately 9,000 LF of water main on Roosevelt Road from Fairfield Road to Wisconsin Avenue. The scope of work included lining the existing water main in the Roosevelt Road right-of-way, temporary bypass water main, maintaining and reinstating services, replacement of valves, hydrants and fittings, and segments of new water main. The project required public involvement and staged construction with lane closures on Roosevelt Road and posted detour routes. HOFFMAN ESTATES IEPA LOAN ASSISTANCE, VILLAGE OF HOFFMAN ESTATES TEG prepared an IEPA low interest loan application through the IEPA's Public Water Supply Loan Program (PWSLP) for financing the Village's water tower painting projects for Towers T-4 (3990 Huntington) and T-5 (4690 Olmstead). PHASE I AND II, 2013-2014 LOMBARD TRANSMISSION MAIN PROJECT, LOMBARD, ILLINOIS, VILLAGE OF LOMBARD – Project Manager. Preliminary and design engineering services were offered for this $1.5M project consisting of approximately 8,000 linear feet of 16" poly-wrapped ductile iron water transmission main to provide a direct connection from the Village's Civic Center Reservoir to the South Booster Station. TEG assisted the Village with utility notifications, bidding assistance, permitting requirements, IEPA Water Construction Permit, and the IDOT Region One Utility Permit. POC: Carl Goldsmith, Director of Public Works – Village of Lombard 630.620.5740 POC: Haileng Xiao, Superintendent of Water and Sewer – Village of Hoffman
Project Team	Kevin VanDeWoestyne (Project Principal), Brian Witkowski (Project Manager), Don Naughton (Senior Technician), Matt Champine (Resident Engineer)

Project / Client	**6. Joliet Edgecreek Lift Station Rehabilitation, Phase II and III**
Scope of Work / (Contractor) / Client POC	Thomas Engineering Group provided design and resident engineering services for this lift station renovation which consisted of the removal and replacement of Submersible Chopper Pumps, base elbows and slide away coupling system, upper/lower and intermediate guide rail supports, new stainless steel guide rails, all internal station riser piping, fittings, etc. as required, structural lining of the existing concrete wet well structure, new wet well top slab with new aluminum duplex access frame and cover with fall through protection grating system, new stainless steel cable support brackets, Porta-con by-pass pump connection system and required piping, new piping and valves within the existing valve vault, new valve vault flat top with two (2) new aluminum access hatches, Porta-con and connecting piping/valving within the valve vault, removal and replacement of wet well discharge piping between the wet well and the valve pit including connections to the existing concrete walls, removal and re-routing of the existing gravity inlet piping through a new sanitary sewer manhole and external drop near the wet well, re-routing of the 4" force main inlet piping with external drop, new pump connection junction box, new level control/ monitoring system, new standalone pad mounted control panel and automatic transfer switch, temporary electrical feed and all electrical changes required to provide a complete turnkey renovation of the existing station from its existing state to the new redesigned station as described.  (Morrison Construction Company) POC: Nicholas C. Gornick, Plant Operations Superintendent – City of Joliet 815.405.3666 POC: Allison M.W. Swisher, P.E., Department of Public Utilities – City of Joliet 815.724.4222
Project Team	Kevin VanDeWoestyne (Project Manager), Brian Witkowski (Resident Engineer), Don Naughton (Senior Technician)
Construction Cost / Fee / Year	$492K / $50K / 2016

Project / Client	7. Channahon Plan Reviews and Private Development Inspection, Phase III
Scope of Work / (Contractor) / Client POC	PHASE III, THORNTON'S DEVELOPMENT AND WEST FRONTAGE ROAD IMPROVEMENT, BLUESTONE DEVELOPMENT, CHANNAHON, ILLINOIS – TEG provided overall monitoring of construction activities and served as the Owners Representative to the Village of Channahon for the Thornton's Phase I and II Development and West Frontage Road Improvement. The Bluestone Development is a 13 acre commercial site located at the northwest corner of the US Route 6/Interstate 55 interchange and consists of the planned unit development of a Thornton's gas station, convenience store, business outlots, and realignment of the NW Frontage Road. TEG performed construction inspection of all site utilities including water main, sanitary sewer, storm sewer, and street lighting, and all US Route 6 and West Frontage Road roadway improvements including 0.4 miles of new combination concrete curb and gutter and 10" PCC Jointed Pavement. A key element included the installation of a cast-in-place retention vault for underground stormwater detention. PHASE III, CHANNAHON CORPORATE CENTER, CHANNAHON, ILLINOIS, VILLAGE OF CHANNAHON – Thomas Engineering Group provided construction engineering services for the Village of Channahon. Thomas reviewed all shop drawings and inspected all aspects of public improvements for Channahon Corporate Center, Channahon Town Center and St. Elizabeth Residences. Corporate Center is a 100 acre development including a 100,000 SF building in the first phase. Work included multiple detention ponds, a new public roadway with associated utilities, and rehabilitation of Bluff Road. Channahon Town Center and St. Elizabeth Residences is a four building multi-story senior housing development with room for future expansion, a club house, and outlots. This project also included preliminary work for expansion of nearby St. Anne's Church and is located directly across the street from Channahon Village Hall. PRIVATE DEVELOPMENT PLAN REVIEWS, CHANNAHON, ILLINOIS, VILLAGE OF CHANNAHON – Consulting Engineer for municipal reviews of public improvements related to commercial, industrial, and residential developments for compliance with Development Code and storm water management regulations. Responsibility included review of all mass grading, site development, stormwater management, and utility infrastructure plan reviews. POC: Donald R. Kinzler, P.E., CFM, Engineering Project Manager – Village of Channahon 815.467.6644
Project Team	Kevin VanDeWoestyne (Project Principal), Brian Witkowski (Project Manager), Don Naughton (Senior Technician), Stephen VanDeveer (Resident Engineer)
Construction Cost / Fee / Year	Varies / Varies / 2015-2017

Project / Client	**8. Shorewood Crossroads Shopping Plaza Development, Phase II and III**
Scope of Work / (Contractor) / Client POC	TEG provided Phase II and III engineering services for a private developer for this site improvement located in western Will County. It is situated in the northwest quadrant of US 52 and IL 59 which is the gateway intersection to the Village of Shorewood. In fact, the map of this intersection is Shorewood's logo. The scope included significant earth excavation, retaining wall removal, drainage improvements, new utility connections, and parking lot and pedestrian facility improvements. The new site layout accommodated additions to two existing buildings (one of which had a drive-thru) and one new building. Coordination with the building architect was essential. A significant cost savings was achieved through the elimination of new retaining walls following successful negotiation and acquisition of temporary construction easements from those neighbors. Some unique features of the design included capping of an existing water well, underground detention, monument signs, and decorative lighting. Following the successful completion of the Phase II portion of this project, the client selected TEG again to perform the Phase III portion.  POC: David Anderson, Owner – Crossroads Management, LLC
Project Team	Brian Pawula (Project Manager), Kevin VanDeWoestyne (Lighting Engineer), Stephen VanDeveer (Resident Engineer)
Construction Cost / Fee / Year	Varies / Varies / 2015-2017

Project / Client	9. Deerfield Road Reconstruction Project, Phase III
Scope of Work / (Contractor) / Client POC	This $18.2M IDOT Local Agency project to be completed in 2016 requires construction inspection services for 2.39 miles of full and partial pavement reconstruction in the Village of Deerfield and the City of Highland Park. Work includes HMA surface removal and resurfacing, pavement patching, pavement removal and replacement with full depth HMA and jointed PCC pavement, combination concrete curb and gutter, storm sewer, cured-in-place pipe lining of sanitary sewer and water main replacement in the Village of Deerfield, new sidewalk, bridge resurfacing over the Middle Fork and West Fork of the North Branch of the Chicago River, and modernization and interconnection of ten traffic signals. The project also includes the replacement of the superstructure for the Deerfield Road bridge over Berkeley Road and repairs to the Deerfield Road bridges over Union Pacific Railroad/ Old Skokie Highway and US 41.  POC: Robert Phillips, Assistant Director of Public Works – Village of Deerfield 847.719.7464
Project Team	Greg Benske (Project Manager), Glen Kirchen (Resident Engineer), Ed Herlihy (Construction Engineer), Alan Hasler (Construction Engineer), Kent Williams (Construction Engineer), Jake Warren (Documentation Engineer), Victoria Han (Documentation Engineer)
Construction Cost / Fee / Year	$18.2M / $2.9M / 2015-2017

Project / Client	**10. Pavement Maintenance Program – DuPage County DOT**
Scope of Work / (Contractor) / Client POC	TEG provided resident engineering services for the $3.8M rehabilitation of over 17 lane miles of pavement in the southern portion of DuPage County. Roadways resurfaced had ADTs in excess of 30,000 and served schools, business districts, recreational areas and residential areas. The work included roadway milling and resurfacing using several HMA mix types including polymer enhanced and SMA mixes. Work also included pavement patching, longitudinal joint sealer, curb and gutter replacement, sidewalk replacement, drainage structure replacement and adjustments, underdrain installation, detector loop replacement, pavement markings and construction of nearly 100 ADA compliant sidewalk ramps. POC: Paul Krueger/Chief Highway Engineer/DuPage County DOT/ 630.407.6900
Project Team	Edward Herlihy (Project Manager), Elias Korolis (Resident Engineer), Kyle Vander Zee (Assistant Resident Engineer)
Construction Cost / Fee / Year	$3.8M / $385K / 2016-17

Name / Registration / Title	Years of Experience / @ Firm	IDOT / Municipal Project Experience
Thomas Gill, PE / President	27/9	Has performed as Resident Engineer and Project Manager for bridge and roadway improvement projects providing excellent service and staff for public sector clients. Extensive experience that signifies he understands the construction procedures and the expectations of the client. Has worked on Federally funded projects for the Village of Lombard and on locally funded projects. Understands all that is involved with a successful project, administratively, public relations & perception, final product, minimal maintenance required, accelerated close out.
Kevin VanDeWoestyne / PE, ENV SP. / Municipal Department Head	14/9	Mr. VanDeWoestyne is a Principal/Project Manager with over 14 years of experience involving municipal and highway / roadway design and construction. Mr. VanDeWoestyne has extensive supervisory experience and knowledge in roadway and bridge construction and rehabilitation, bituminous and concrete paving, earth excavation, drainage, structural construction, landscaping, lighting, and traffic signalization. His responsibilities include planning, design, construction observation and documentation of urban roadway and bridge resurfacing and reconstruction projects.
Brian Witkowski / PE, CFM, CSI / Project Manager	15/4	Mr. Witkowski is a Project Manager who has worked in the engineering field since 2002. His experience involves municipal roadway and utility design and construction. He possesses extensive supervisory experience and knowledge in Phase I and Phase II engineering design services including drainage studies, environmental studies, intersection design studies, and preparation of Phase II contract documents for rural and urban roadway projects.
Doug Masters / Project Manager	20/9	Extensive IDOT and Municipal experience in Phase III roadway and drainage projects. Designed and Resident Engineered South Aurora Road (West Chicago), 2008-2011 West Chicago MFT Resurfacing, 2008-2011 Resurfacing (West Chicago), 2008-2011 West Chicago Sidewalk Program, and North Oak Street (West Chicago). He has experience involving municipal, county, environmental, and stormwater management design and construction. He has extensive knowledge in municipal and county infrastructure development and design. He is responsible for overseeing municipal design and construction projects as a project manager/resident engineer.
James Yuratovac, PE, PTOE / Project Manager	17/2	Mr. Yuratovac is civil engineer with over 16 years of experience leading and managing Phase 1 and 2 Engineering projects with a focus on Traffic and Transportation Engineering. Expertise is in traffic signals, traffic studies, highway/ roadway design engineering and site development. Comprehensive knowledge of transportation policy and procedures for state, county and local municipalities. Excellent computer skills including MicroStation/GeoPak, ArcGIS, HCS, Synchro, Microsoft Office and Microsoft Visual Basic.

James Yuratovac, PE, PTOE / Project Manager	17/2	Mr. Yuratovac is civil engineer with over 16 years of experience leading and managing Phase 1 and 2 Engineering projects with a focus on Traffic and Transportation Engineering. Expertise is in traffic signals, traffic studies, highway/ roadway design engineering and site development. Comprehensive knowledge of transportation policy and procedures for state, county and local municipalities. Excellent computer skills including MicroStation/GeoPak, ArcGIS, HCS, Synchro, Microsoft Office and Microsoft Visual Basic.
Nicholas Orf, PE, CFM, CPESC / Drainage Lead / Project Manager	14/5	State, County and Municipal experience in Stormwater Management, Conveyance, and Storage Design, Hydrologic and Hydraulic Modeling, Floodplain and Floodway Studies, Watershed Planning, Roadway Drainage Design, Municipal and General Engineering, Environmental Engineering, Conservation Site Design, and Wastewater Conveyance. Select projects include Hampshire Creek Stream Stabilization (PM) in Kane County, Sawmill Streambank Stabilization (PM) in DuPage County, West Branch of DuPage River Flood Study (Project Engineer) in Warrenville, Bridge Culvert Hydraulics (PM and PE) for 16 project sites, Southside Interceptor Sewer (PM) in Wheaton and IDOT Torrence Avenue Location Drainage Study (Drainage Engineer).
Donald Naughton / Sr. CADD Technician	15/3	Mr. Naughton has over 15 years of roadway planning and design experience. He is proficient in MicroStation and GeoPak and has designed roadway and site development projects using these tools. Mr. Naughton has experience in the preparation of roadway and site development plans, traffic studies, intersection design studies and Phase I Reports. Don also has experience as a resident technician, with responsibilities including observation and documentation of urban and rural roadway resurfacing and reconstruction projects.
James Haitsma Survey Technician / CADD / GPS	15/7	Mr. Haitsma regularly performs topographical surveys and construction layout using both GPS and total station equipment. Mr. Haitsma is also skilled in data management and CADD design and drawing His project experience includes Galena Street Reconstruction (design/ CADD), multiple IDOT construction projects (GPS survey and measurement of field quantities), Main Street Resurfacing in Lombard (GPS Survey and field measurement), and St. Charles Watermain Project in Lombard (GPS Technician).
Christopher DeYoung, PE, PLS / Project Manager / Surveyor	11/5	Mr. DeYoung is a registered professional engineer and a registered professional land surveyor with over 11 years of land surveying, design, and construction experience. Leading the surveying staff as well as overseeing all surveying activities for the group, Mr. DeYoung is responsible for supervision of surveying staff and budget, subconsultant management, project schedules, and delivery. Along with construction management services, Mr. DeYoung also performs drafting and other design services.

Tomasz Tretowicz / Engineer	10/4	Experienced municipal engineer mainly involved with capital improvement projects such as street resurfacing, sidewalk replacement, and water and sewer main improvements. Experienced resident engineer, site surveying, drafter, design engineer, utilities coordination, residential coordination and overall project management.
Elias Korolis /Engineer	4/4	Engineer with experience in municipal construction inspection. Experience pertains to earth excavation, drainage structures, water main installation, landscaping, and bituminous road resurfacing. Familiar with documentation of construction activities, tracking contract quantities, site surveying, plan review and quantity verification.
Steve VanDeveer / Certified Arborist / Project Engineer	14/8	Mr. VanDeveer is an ISA certified arborist with phase I and phase III experience in the arboriculture field. He has over 10 years of experience involving vegetation management, tree surveys, roadway, bridge, and utility construction. He has specialized experience and training in root protection and tree health maintenance during construction. As a construction inspector, he also has experience with utility construction and maintenance, HMA and WMA pavement, PCC pavement, pavement patching, PCC and latex concrete bridge deck construction, steel and concrete bridge beam repairs, bridge substructure construction and repairs, precast pedestrian tunnel installation, concrete box culvert installation and repairs, earth excavation, trench backfill, furnished excavation, PCC sidewalk, stamped / dyed concrete sidewalk, curb and gutter, guardrail, striping, and traffic control and protection.
Greg Benske / Construction Management Department Head	25/9	Extensive experience as Resident Engineer on IDOT and Municipal Projects. Resident Engineered US-20 Roadway & Bridge (IDOT), Sheridan Road Resurfacing through Evanston and Chicago (IDOT), Walters/Lee Road Jurisdictional Transfer from Cook County to Northbrook, Metra Track and Bridges, Project Manager for I-355 Roadway and Bridge Rehabilitation ($20M). Recently worked on an extensive IDOT project. Has performed as RE on multiple IDOT Contracts going simultaneously. Has worked on IDOT bridges over expressways. Has worked on County projects. Has worked on jurisdictional transfers from County to Village. Has worked on CMAQ, MFT, STP, HPP, Metra, and ARRA projects.
Edward Herlihy, PE / Sr. Project Manager	27/3	Mr. Herlihy is a registered professional engineer with over 25 years of experience. Ed is experienced in roadway construction program management and construction engineering. He is familiar with multiple construction management delivery systems and has managed projects from simple to complex. Mr. Herlihy has recently managed large multifaceted construction projects for the Illinois Tollway, DuPage County, CDOT and other local municipalities.

Glen Kirchen, PE / Project Manager / Senior Resident Engineer	23/7	Extensive experience as Resident Engineer and Project Manager on IDOT and Municipal Projects Vast experience with underground utility installation and maintenance. Understands the construction procedures and the expectations of the Village of Lombard. Has been the Resident Engineer on Federally funded projects for the Village of Lombard including Main Street Resurfacing and St. Charles Watermain Replacement. Currently working with DuPage Co. DOT Improving Drainage conditions at Village Greens. Has also worked with KDOT on the 2010 Bridge Maintenance Program and also ISTHA on I-355 Bridge and Roadway Rehabilitation.
Eric Rose, PE / Project Manager / Senior Resident Engineer	26/5	Mr. Rose has vast experience in project management and resident engineering for IDOT Local Agency & Municipal road, bridge, and underground utility improvement projects. He served as project manager on the recently completed US14 roadway rehabilitation and streetscape improvement in Crystal Lake, the reconstruction, rehabilitation, and underground utility improvements of Sheridan Road thru Northwestern University in Evanston, reconstruction and widening of Randall/Fabyan intersection in Geneva for Kane County, the reconstruction of US41 and Golf Road intersection in Skokie, and numerous LAPP improvement projects in Elmhurst. He served as Resident Engineer on the reconstruction and complete underground utility overhaul of a 2 mile segment of Sheridan Road in Wilmette ($20M), reconstruction and underground utility improvements of McCormick Boulevard in Evanston, reconstruction and widening of Diehl Road in Naperville, and reconstruction and underground utility replacement of York Street in Elmhurst. He has been Resident Engineer for local communities such as Aurora, Naperville, Downers Grove, Villa Park, Carol Stream, and Wheaton.
Alan Hasler, PE / Project Manager / Resident Engineer	15/3	Mr. Hasler has over 14 years of planning, design, construction and maintenance experience. Alan works in the Construction Group and assists with the planning and & design and municipality groups. Prior to joining TEG, Alan worked for both the Illinois Department of Transportation (IDOT) and the DuPage County Division of Transportation (DuDOT). During more than 6 years at IDOT, Alan worked in all phases of a variety transportation projects and for almost four years worked as a Bridge Inspection Engineer in the District 1 Bridge Office. Most recently, at DuDOT, he managed various Phase II and Phase III projects. Most recently Alan was the Chief Highway Engineer of Planning and Programming where he supervised 6 professional engineering, planning and administrative staff and served at the County's Bridge Program Manager.
Jeffrey Klein, PE / Project Manager / Resident Engineer	14/9	Extensive IDOT and County/Municipal experience in Phase III arterial projects. Resident Engineered US-20 Resurfacing (IDOT), IL-72 Resurfacing (IDOT), I-80 Bridge and Resurfacing (IDOT as Doc Eng for $40M), and River Road for Will County (ARRA). Recently performed as RE on multiple IDOT Contracts going simultaneously. Has worked on CMAQ, MFT, STP, and ARRA projects.

John T. Gatses, PE / Project Manager / Resident Engineer	12/2	Mr. Gatses is a registered professional engineer with over 11 years of experience in design and inspection of roadways, bridges, and other transportation related structures. Mr. Gatses has a comprehensive understanding of structures due to his extensive experience in construction inspection as well as above and below-water structural inspection. He also has extensive knowledge in plan preparation, plan reviews, construction administration, multiple agency coordination, and public relations for IDOT, CDOT, ISTHA, WisDOT and municipal projects, including roadway and bridge reconstruction and rehabilitation, retaining wall construction, box culvert construction, intersection reconstruction, traffic signal installation, roadway lighting installation and streetscape improvements.
Victoria Han / Associate Engineer	3/3	Ms. Han is a registered Engineer Intern with over 2 years of experience in Phase I, II, and III services. She possesses experience in both the design and inspection of municipal construction. This includes, but is not limited to, roadway planning and design as well as overseeing roadway maintenance, water main and storm sewer installation, concrete work, and asphalt work
Kent Williams / Resident Technician	13/4	Mr. Williams has over 12 years of experience involving bridge, municipal, and highway/roadway construction management. Over these 12 years he has compiled a wide range of construction knowledge and experience while working for IDOT, ISTHA, CDOT, various counties, and municipalities. Kent's professional experiences range from bridge construction and rehabilitation, bridge painting, bituminous and concrete paving, earth excavation, drainage, structural construction, lighting and signalization.
Liam Pozdol / Associate Engineer	4/4	Mr. Pozdol is a registered Engineer Intern with experience in construction management and inspection. He has knowledge and experience pertaining to bridge reconstruction, retaining walls, bituminous and concrete paving, water main installation, and earth excavation. His responsibilities include observation and documentation of roadway and bridge reconstruction projects.
Matthew Champine, PE / Resident Engineer	11/3	Mr. Champine is a registered professional engineer. Along with construction management services, Mr. Champine also performs drafting and other design services. Mr. Champine has knowledge and experience pertaining to earth excavation, drainage syetems, water main installation, landscaping, and PCC/ bituminous paving. Specific responsibilities include documentation of construction activities and contract quantities, site surveying, plan review and quantity verification.
Hyder Syed / Associate Engineer	13/2	Mr. Syed has extensive international experience in construction engineering and construction inspection and documentation of various types of projects. He possesses proficiency in quality control procedures, specifically in the field of site inspection. Measurement and recording executed works, preparing reports, maintaining site records and interpersonal skill to effectively interact with coworkers, clients, residents, and contractors.

Kyle Vander Zee / Design Engineer	2/2	He graduated from Dordt College in Northwest Iowa with a degree in Civil Engineering. He has experience in construction inspection and land surveying from previous summer internships and is also a licensed Engineer Intern
Nick Lorusso / Associate Engineer	2/2	Nick is a graduate from Bradley University who joined TEG in June 2016 as a member of the Construction group. In the past, he has interned on two highway projects. Most recently, he spent Summer 2015 interning for Omega as an inspector on the Jane Byrne Circle Interchange flyover bridge. Currently, Nick is working on the ISTHA Fox River Bridge project as an inspector.
Jake Warren, PE / Resident Engineer	4/4	Registered Engineer in Training with experience in municipal construction inspection. Experience pertains to earth excavation, drainage structures, water main installation, landscaping, and bituminous road resurfacing. Familiar with documentation of construction activities, tracking contract quantities, site surveying, plan review and quantity verification.
Steve Pasinski, PE / Planning and Design Department Head	26/8	Extensive IDOT Phase I and Phase II experience, particularly expert in capacity and crash analysis, intersection and arterial/collector design, traffic operations and the Context Sensitive Solutions (CSS) process. Project Manager for 6.2 miles IL 56 add-lanes reconstruction which included intersection design (8), bridge reconstruction (3), wetland impacts and mitigation for 5 acres, section 4(f) statement Over 40 Intersection Design Studies (IDS's) approved in career including 11 IDS's in 2009. Project Manager for Stearns Road Fox River Bridge PS&E (2009) which included reconstruction and W&RS scope, new river bridge, new signal and new signalized intersection. Experienced technical writer having authored phase I reports ranging from technical white-papers to Combined Design Reports. Previously held position of Assistant Kane County Engineer and oversaw production of over 15 PDR's.
Curtis Cornwell, PE, PTOE / Project Manager/ Traffic Engineer	15/5	Mr. Cornwell is a registered professional engineer and professional traffic operations engineer with a variety of experience. Curtis is experienced in roadway planning, public involvement, design, traffic analysis, and construction. He is familiar with many transportation software packages including MicroStation, GEOPAK Road, AutoCAD, HCS 2000, Synchro, SimTraffic, and AutoTURN as well as MS Office & Microsoft Project. He is well versed in the geometric development and analysis of complicated intersections including roundabouts. Curtis has been acted as the Project Engineer for several large Phase I and Phase II jobs for various clients.
Justin Brown, PE, SE / Structural Engineer	9/2	Mr. Brown has over 6 years of bridge design and inspection experience, with expertise in transportation structures, bridge load rating, and structural inspections in the Midwest. Skilled in the preparation of preliminary and final designs, drawings, plans, specifications, and reports.

Brian Pawula, PE, PMP / Project Manager	15/8	Brian's wide range of roadway and infrastructure experience includes Phase I, II, and III making him a valuable member on any project team. His Phase I experience comes from route studies for IDOT and the Tollway on roadways such as a 3-mile section of Torrence Avenue in the City of Chicago, a 6-mile section of US 45 in Lake County, and a 12-mile section of I-90 in Kane County. Brian served as project engineer for an Interchange Design Study for I-57 in Manteno, IL. His strongest experience is in Phase II which, again, includes IDOT and the Tollway but also includes local agencies such as DeKalb County and the City of West Chicago. Brian has also designed roundabouts, LAPP resurfacing projects, concrete rehabilitation projects, streetscape projects, and yearly maintenance programs such as sidewalk replacement and crack routing and sealing. Brian's Phase III experience provides him with the experience of running construction projects, working with contractors, but key field lessons that make him an outstanding designer.
Vincent Micek / Design Engineer	3/3	Mr. Micek is a registered Engineer Intern with over 2 years of experience in Phase I, II, and III services. Vince is experienced in roadway planning and design, stormwater management, erosion control, traffic analysis, development of special provisions and specifications, and construction inspection and documentation. He is profeicient in many transportation software packages including MicroStation, GEOPAK Road, StormCAD, FHWA HY8, WinTR-20, WinTR-55, HCS, and AutoTURN.
Raciel Ocampo / Design Engineer	4/4	Graduating as the President-Elect of the Bradley ASCE Chapter and recently interning with TEG, Mr. Ocampo began his career interning with the US Department of Transportation under the Federal Highway Administration (FHWA) – Illinois Division. He traveled weekly to various projects within the state with various FHWA engineers in the state. He is currently assisting our Design staff regarding our roadway and drainage needs.
Keith Sargent, PE, PMP /Structural Department Head	15/9	Extensive IDOT and Municipal experience in Phase II & III arterial and bridge projects. Has performed RE duties on multiple IDOT Contracts going simultaneously. Resident Engineer for Kane County 2011 Bridge Maintenance Program, I-355 Roadway and Bridge Rehabilitation ($20M), and Palatine Road Bridge Replacements (IDOT). He currently is the Resident Engineer for the Great Western Trail Bridges in Lombard. Has worked on CMAQ, MFT, STP, and ARRA projects. Has experience working with and partnering with stakeholders on various projects.
Nathan Holmer, PE, SE / Structural Engineer	6/2	Mr. Holmer has over 5 years of bridge design experience and bridge inspection experience on projects throughout Illinois. Nathan is experienced in the planning and designing of typical bridge projects for Phase I and II, including steel girders, prestressed concrete girders, prestressed concrete deck beams, and multi-cell reinforced concrete box culverts.

HOFFMAN ESTATES

DEPARTMENT OF PUBLIC WORKS

May 26, 2017

Mr. Kevin VanDeWoestyne, P.E., Principal
Thomas Engineering Group, LLC
762 Shoreline Drive, Suite 200
Aurora, IL 60504

Dear Mr. VanDeWoestyne,

As the Superintendent of Water & Sewer for the Village of Hoffman Estates, I am pleased to offer this letter of endorsement for the professional engineering services of Thomas Engineering Group (TEG). Over the past five (5) years, TEG has worked with me on many highly successful projects for the Village. The first project TEG completed for the Village is an engineering study on Village's critical two 16" transmission main lines. The project was completed to the high level of staff's satisfaction. TEG's final report was submitted on time and is being used for planning of the Village's capital improvement projects of two transmission mains. TEG engineers have effectively assisted Village staff in resolving conflicts between I-90 Tollway construction and Village utility line crossings (water & sewer mains and fiber optical cables). TEG's review of Tollway plans relevant to Village utility conflicts is both meticulous and thorough with persistent effort in searching for as-built plans. TEG's professional recommendation for solutions is based on a high level of expertise. TEG engineers also efficiently prepared paperwork for the Village's application of an IEPA loan for Public Water Supply Loan Program funding.

Today, I continue to call TEG's staff for advice. If you have any questions, please feel free to contact me directly at (847-490-6800).

Respectfully,

Haileng Xiao
Superintendent of Water & Sewer

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William D. McLeod, MAYOR
Karen V. Mills, TRUSTEE
Anna Newell, TRUSTEE
Gary J. Pilafas, TRUSTEE
Gary Stanton, TRUSTEE
Michael Gaeta, TRUSTEE
Karen J. Arnet, TRUSTEE
Bev Romanoff, VILLAGE CLERK
James H. Norris, VILLAGE MANAGER

City of Wheaton
303 W. Wesley Street
Wheaton, IL 60187-0727
630-260-2000
City of Wheaton, Illinois www.wheaton.il.us

December 14, 2016

Thomas Engineering Group, LLC
238 S. Kenilworth Avenue
Oak Park, Il 60302
Attention: Mr. Thomas Gill. P.E.

Re: Letter of Recommendation

Dear Mr. Gill:

The City of Wheaton Department of Engineering is pleased to offer this letter of recommendation for professional engineering services of Thomas Engineering Group, LLC.

During 2016, Thomas Engineering Group has assisted Department staff with several projects related to water resources and transportation. In 2016, Thomas Engineering Group (TEG) performed bridge inspections on City owned infrastructure including a box culvert and 2 reinforced concrete multi-span slab bridges on timber piles. In addition, TEG performed an inspection and load rating of a privately owned flexible steel CMP arch to determine the fitness for service for occasional passage of City owned fire apparatus for fire protection of the adjacent homes in the area. Some other services performed include a condition evaluation of all structural, lighting, ADA compliance and drainage components of a 75-foot pedestrian underpass spanning State Route 38 (Roosevelt Road) to determine the useful life of the structure and preparation of a report to document findings of this study.

The City has awarded TEG additional work for 2017 to perform inspections on two additional bridge structures which include a multi-girder bridge over the Union Pacific Rail Road tracks with extensive MSE walls and a single-span reinforced concrete slab bridge over a creek.

The City of Wheaton Department of Engineering has been pleased with the response and attention Thomas Engineering Group has provided City staff.

Thomas Engineering Group has shown professionalism, communication, and organization which exceeds the City's expectation. Based on this, the City would recommend them for their professional engineering services.

Please feel free to contact me directly at 630-260-2067 if you should have additional questions regarding Thomas Engineering Group.

Sincerely,
DEPARTMENT OF ENGINEERING

Sarang A. Lagvankar, P.E.
Senior Project Engineer

AURORA ILLINOIS
CITY OF LIGHTS

City of
Aurora

44 East Downer Place Aurora, Illinois 60506 www.aurora-il.org

PUBLIC WORKS DEPARTMENT

April 21, 2016

Mr. Thomas Gill, Principal
Thomas Engineering Group, LLC
238 South Kenilworth Avenue
Oak Park, Illinois 60302

Dear Mr. Gill,

As the City Traffic Engineer for the City of Aurora, I would like to offer this letter of recommendation to Thomas Engineering Group, LLC for their resident engineering/construction management services associated with the two-way conversion of the Galena/New York and River/Lake projects.

This project was a high profile project involving conversion of one-way streets to two-way streets in downtown Aurora. This required Thomas Engineering Group staff to work with local businesses, IDOT, various departments within Aurora public works and residents to ensure their needs were met both during construction and after the roads were open. The project resident engineering team worked well with various members of the City staff to update, coordinate, document, and solve issues during construction.

The project team was professional and sensitive to the needs of the residents and local businesses and provided them with continuous construction updates and worked with the general contractor to provide safe access to their properties. Thomas Engineering Group also worked closely with the contractor to accommodate any conflicts in the field, made the changes quickly and kept the project moving forward.

Thomas Engineering Group staff carried out all their assigned tasks in a professional and courtious manner and I would recommend their services to any municipal agency. Please contact this writer at either 630/256-3200 or egallt@aurora-il.org if you have any questions regarding this letter of recommendation.

Sincerely,

Eric Gallt, P.E.
City Traffic Engineer

Village of Deerfield
Public Works and Engineering Department

September 13, 2017

Mr. Gregory Benske, Principal
Thomas Engineering Group, LLC
238 South Kenilworth Avenue
Oak Park, Illinois 60302

Dear Mr. Benske,

On behalf of the Village of Deerfield, I would like to offer this letter of recommendation for professional engineering services to Thomas Engineering Group, LLC (TEG) for their recent Phase III resident engineering associated with the Deerfield Road Reconstruction Project. The $20M Deerfield Road project involved new watermain, storm sewer, sanitary sewer, reconstruction of nine traffic signals, reconstruction/rehabilitation of 5 bridges, and full reconstruction of PCC pavement through the Village of Deerfield and the City of Highland Park. The project required extensive coordination between the Village and IDOT, Lake County, the City of Highland Park, the respective elected officials, and businesses/residents.

The Village has made it a priority to keep its residents, businesses, and commuters informed with up to date construction information and outreach. Thomas Engineering Group staff excelled in this respect garnering the praise of numerous residents within the project limits and all of the agencies involved. Their professional, courteous, and proactive approach has been greatly appreciated and has allowed us to meet deadlines and clearly explain the nuances (financial and other) of the project to our elected officials. TEG's engineer carried out all his duties professionally and constantly coordinated with our staff and with the contractor to keep us updated on construction progress.

With their professionalism and service, Thomas Engineering Group exceeded our expectations. We will call on their services again for future engineering needs, as we are confident that they will continue to provide us with the same level of engineering expertise and high level of commitment. I would encourage and recommend other municipal agencies to consider Thomas Engineering Group for their professional services.

If you have any questions or need additional information please feel free to contact me at (847) 719-7464, or via email at rphillips@deerfield.il.us .

Sincerely,

Robert Phillips, P.E.
Deputy Director of Public Works and Engineering

Will County Department of Highways

16841 W. Laraway Road
Joliet, Illinois 60433
(815) 727-8476
Fax (815) 727-9806

Bruce D. Gould, PE
County Engineer

February 21, 2014

Thomas E. Gill, III, P.E.
President
238 South Kenilworth Avenue
Suite 100
Oak park, Illinois 60302

Dear Mr. Gill,

As the County Engineer for the Will County Division of Transportation, I am writing to recommend the professional engineering services of Thomas Engineering Group, LLC. Thomas Engineering Group has proven the ability to commit highly skilled individuals for construction management of the County's Transportation Projects.

Specifically, the County selected Thomas Engineering Group for construction inspection of the County's Federally Funded River Road Resurfacing Project from I-55 to IL Route 53, and again for the concrete bridge deck replacement of the River Road Bridge over Prairie Creek. Thomas Engineering Group represented the County to facilitate these projects through IDOT Bureau of Local Roads and Streets. By making sound and cost-effective decisions, Thomas Engineering Group contributed to the overall success of each project. We were very pleased with the high degree of professionalism and quality service.

Without hesitation, I would recommend the professional engineering services of Thomas Engineering Group. I look forward to working with your organization again in the future.

Sincerely,

Bruce D. Gould, PE
Director of Transportation
County Engineer

VILLAGE OF
BURR RIDGE
A VERY SPECIAL PLACE

7660 County Line Rd. · Burr Ridge, IL 60527
(630) 654-8181 · Fax (630) 654-8269 · www.burr-ridge.gov

Mickey Straub
Mayor

Karen J. Thomas
Village Clerk

Steven S. Stricker
Administrator

February 12, 2014

Mr. Kevin VanDeWoestyne, P.E., Principal
Thomas Engineering Group
55 W. 22nd Street, Suite 300
Lombard, IL 60148

Dear Mr. VanDeWoestyne,

Please consider this reference letter regarding the work that the Thomas Engineering Group has performed on behalf of the Village of Burr Ridge. The Village has been very pleased with the professionalism, technical competence, and accessibility of TEG on all of the projects for which we have employed your services to date. We have been particularly pleased with the services offered in regards to capital improvement projects and general municipal services, including the provision of Phase III Construction Engineering services.

On the occasions in which we have relied upon TEG to present to the public, or to represent our municipality in the pursuit of third-party approvals, we have been more than satisfied. Thank you again for your service to the Village of Burr Ridge; we look forward to continuing to work with you in the future.

Sincerely,

Paul D. May, P.E.
Director of Public Works / Village Engineer

VILLAGE OF LOMBARD
255 E. Wilson Ave.
Lombard, Illinois 60148-3926
(630) 620-5700 Fax (630) 620-8222
www.villageoflombard.org

Village President
Keith T. Giagnorio

Village Clerk
Sharon Kuderna

Trustees
Dan Whittington, Dist. 1
Michael A. Fugiel, Dist. 2
Reid Foltyniewicz, Dist. 3
Peter Breen, Dist. 4
Laura A. Fitzpatrick, Dist. 5
William "Bill" Ware, Dist. 6

Village Manager
Scott R. Niehaus

*"Our shared **Vision** for Lombard is a community of excellence exemplified by its government working together with residents and businesses to create a distinctive sense of spirit and an outstanding quality of life."*

*"The **Mission** of the Village of Lombard is to provide superior and responsive governmental services to the people of Lombard."*

March 12, 2014

RE: Letter of Recommendation – Thomas Engineering Group, LLC

To Whom It May Concern:

On behalf of the Village of Lombard, we are pleased to offer this letter of recommendation for the professional engineering services of Thomas Engineering Group, LLC (TEG). The Village has employed Thomas Engineering Group for both Construction Resident Engineering Services and Roadway Improvement/Public Works Design Services. TEG is currently working on the Lombard Transmission Main project (Public Works Design Services), and since 2010 TEG has successfully completed the following projects for the Village:

- St. Charles Road Water Main Improvement (Construction Resident Engineering)
- North Main Street Resurfacing and Rehabilitation (Construction Resident Engineering)
- Garfield Street Public Works Facility Improvement (Construction Resident Engineering)
- Great Western Trail Bridges and Bike Path (Construction Resident Engineering)

The Village has relied upon TEG to successfully represent the community and its interests throughout the duration of each of these projects. TEG's professionalism, communication, and organization exceeded our expectations, which allowed us to focus our efforts on other projects and tasks given the developed comfort gained with their staff.

In addition to their excellent project management capabilities, TEG's staff have sound technical competence with many aspects of civil infrastructure, which include but are not limited to water main design and construction, bridge construction, drainage design and construction, and roadway reconstruction and rehabilitation.

To date, the Village has been pleased with the services of TEG and looks forward to utilizing their services in the future. Should you have any questions regarding Thomas Engineering Group, LLC or their work for the Village of Lombard, please call us directly at 630.620.5740.

Respectfully,

David A. Dratnol

David A. Dratnol, P.E.
Village Engineer

KANE COUNTY
DIVISION of TRANSPORTATION

Carl Schoedel, P.E.
Director of Transportation
County Engineer

41W011 Burlington Road
St. Charles, IL 60175
Phone: (630) 584-1170
Fax: (630) 584-5265

December 1, 2013

Mr. Thomas E. Gill, III - President
Thomas Engineering Group, LLC
238 South Kenilworth Avenue, Suite 100
Oak Park, Illinois 60302

Dear Mr. Gill,

On behalf of the Kane County Division of Transportation (KDOT), I am pleased to offer this letter of recommendation for the professional engineering services of Thomas Engineering Group, LLC (TEG). In particular, my experience and this recommendation are based on the services provided for the Phase I study for the improvement of the intersection of Fabyan Parkway and Kirk Road. This project was the first Phase I assignment performed for KDOT by TEG. Their team was responsible for providing crash and capacity studies, drainage studies, alternatives analysis, environmental studies, public involvement and a Project Development Report.

I would also like to point out the high degree of responsiveness and professionalism that was exhibited by TEG's Project Engineer, Brian Pawula. Mr. Pawula served as the day to day contact for the project and was involved in all aspects of engineering, environment and public involvement. I was very pleased with his ability to create effective engineering solutions, coordinate with project partners (IDOT BLR&S, Cities of Batavia and Geneva, Forest Preserve District of Kane County and various private property owners) and deliver context appropriate recommendations that addressed the various challenges we faced during this project. Mr. Pawula regularly brought forth cost effective recommendations that allowed KDOT ample time to consider the recommendation and coordinate internally without undue project delays. Mr. Pawula's communications were clear, comprehensive and timely.

Overall, I have high regard for Mr. Pawula and the Thomas Engineering Group team that worked on this project. TEG consistently blended strong technical and management skills while identifying multiple design opportunities to improve the project's long-term value. I am happy to offer my recommendation of their professional engineering services. Should you have any questions regarding Thomas Engineering Group or their work for the Division of Transportation, please call me at (815) 901-6325.

Sincerely,

Paul Holcomb, PLS
KDOT - Chief of Design

CITY OF
WEST CHICAGO

WHERE HISTORY & PROGRESS MEET

March 18, 2010

RE: Letter of Recommendation – Thomas Engineering Group, LLC

To Whom It May Concern:

As the Director of Public Works for the City of West Chicago, I am pleased to offer this letter of recommendation for the professional engineering services of Thomas Engineering Group, LLC. For a period of two (2) years, Thomas Engineering Group has worked under my direct supervision for the City of West Chicago, beginning in February 2008. Today, they continue to serve as the City's Consulting Engineer for various programs, including, but not limited to, municipal design of public improvements related to our annual street and sidewalk rehabilitation and preservation programs.

Over the past two (2) years, Thomas' engineers have managed projects, prepared contract documents, specifications, and contractual agreements, and they have offered complete bid assistance on behalf of the City of West Chicago. Their engineers also actively managed the review process of these plan sets obtaining timely reviews from other agencies including IDOT Bureau of Local Roads and Streets. In addition, Thomas Engineering Group has administered the design and construction of annual maintenance programs utilizing local, MFT, STP and ARRA funds, and DuPage CDBG grant monies.

Thomas Engineering Group recently managed three (3) successful grant applications for preserving the City's street system, acquiring over one million dollars ($1,000,000.00) from the DuPage Mayors and Managers Surface Transportation Program (STP) and American Recovery and Reinvestment Act of 2009 (ARRA) for resurfacing of three (3) of the City's FAU collector routes.

Thomas' staff members have shown that they can prepare final contract documents and agreements in accordance with the IDOT Bureau of Local Roads and Streets policies and the IDOT Region One Letting Schedule. They have also shown they can consistently meet project deadlines, thus allowing the City to let projects under the most favorable conditions.

If you have any questions, please feel free to contact me directly at (630) 293-2255.

Respectfully,

Robert E. Flatter, P.E.
Director of Public Works

475 Main Street
West Chicago, Illinois
60185

T (630) 293-2200
F (630) 293-3028
www.westchicago.org

Michael B. Kwasman
MAYOR

Nancy M. Smith
CITY CLERK

Donald F. Earley
CITY TREASURER

Michael L. Guttman
CITY ADMINISTRATOR

Illinois Department of Transportation

Division of Highways/Region One / District One
201 West Center Court/Schaumburg, Illinois 60196-1096

Bureau of Construction
Final Consultant Performance Evaluation
District One
PTB No.: 151/025

November 5, 2010

Mr. Kevin C. VanDeWoestyne, P. E.
Principal
Thomas Engineering Group
238 S. Kenilworth Ave.
Suite 100
Oak Park, IL 60302

Dear Mr. VanDeWoestyne:

We are forwarding a copy of the final Consultant Performance Evaluation for the Construction Inspection work your firm performed for the Department on the following project:

Various Construction Inspections

This final evaluation is for your information only and is intended to inform you of our evaluation of your firm's performance since your last milestone submittal. The evaluation is self-explanatory and includes ratings for the various listed subtasks, as appropriate.

Based on our evaluation, we have given your firm an excellent rating for work your firm performed. We are pleased to have the opportunity to advise a consultant that their performance has been assessed at this level. We hope to continue to see your firm's work rated at this level in the future.

If you have any questions or need additional information, please contact me or Mr. Eugene A. Joynt, P.E., Bureau Chief of Construction, at (847) 705-4300.

Very truly yours,

Diane M. O'Keefe, P.E.
Deputy Director of Highways,
Region One Engineer

Illinois Department of Transportation

Phase III Consultant Evaluations

Evaluation Date: 05/19/2010 **Annual or Milestone Evaluation:** Annual

Type Evaluation: Final **Office:** Construction

Evaluator: Juris Velkme **Job #:** C-91-333-09

Prime Consultant: THOMAS ENGINEERING GROUP, LLC

PTB: 151 **Item:** 025 **Sublet:**

Route: VARIOUS **County** VARIOUS

Phase: III **District:** DIST-1 **Total Fee:** $1,000,000.00

Description: Construction Inspection

List Prime's Key Personnel:

Gregory Benski	Assistant RE
Jeff Klein	Inspector
Jeff Rachke	Inspector
Keith Sargent	Inspector
Aren Kriks	Inspector
Curran Duffy	Inspector
Tyler Dickinson	Inspector
Thomas Gill	Project Engineer

Prime's Overall Evaluation: Excellent

Prequalification Categories:		**Old Str #**	**New Str #**	**Dual Old Str #**	**Dual New Str #**
CONSTRUCTION INSPECTION	Excellent				

Fatal Flaws:

Did the consultant:

Display inappropriate behavior in dealing with the public or contractor?	No
Provide false information in the project documentation?	No
Cause the project completion date to be extended due to not providing requested layout or inspection in a timely manner?	No

Rated By: Juris Velkme/ca District/Bureau: One/Construction Rated Date: 5/19/10

Reviewed By: _____ Position: Construction Bureau Chief Reviewed Date: 11/5/10

Concur: _____ Regional Engineer _____ Date: _____

Timeliness: Good

Comments on Strengths/Weaknesses in Timeliness:

Provided necessary layout and/or inspection consistently with no delay to the contractor. Coordinated with the contractor to stay ahead of needed layout and inspection.

Completeness: Excellent

Comments on Strengths/Weaknesses in Completeness:

Always completed inspection or required layout in accordance with current IDOT manuals, policies and procedures. All documentation was completed in accordance with the Project Procedures Guide.

Quality & Accuracy: Excellent

Comments on Strengths/Weaknesses in Quality & Accuracy:

Contained no major errors and very few minor errors. Complied with the Department's construction manuals, all applicable policies and procedures. Presentation of material was clear, concise and of high quality. Minimal Departmental hours were spent in review of project documentation.

Cooperation & Project Management: Excellent

Comments on Strengths/Weaknesses in Cooperation and Management:

Was self managed, consistently available and responsive to problems and concerns. Maintained a consistent high quality of personnel assigned to the project while remaining within the negotiated agreement amount. Initiated open and timely communications.

Public/Agency Coordination: Excellent

Comments on Strengths/Weaknesses in Public/Agency Coordination:

Independently developed proactive and creative solutions to problems. Itentified and properly responded to highly controversial issues.

Innovation: Good

Comments on Strengths/Weaknesses in Innovation:

Presented innovative and fresh approaches to construction problems as a whole and focused special resources on problems/concerns. On occasion required the Department to advance the problem to a timely resolution.

Comments on Consultant's Overall Performance

Thomas Gill did an excellent job coordinating the various subconsultants and staff to meet all of the Department's needs.

Mr. Benske, Mr. Sargent and Mr. Klein did an excellent job managing their respective projects as a Resident Engineer/Assistant RE. They were able to solve problems with minimal input from the Department's manager. They completed their assignment with high praise from the contractors.

The construction inspectors performed their duties in a very professional manner. Their documentation was always accurate and timely. They were able to learn and implement new tasks very quickly.

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- ☑ Design Engineering
- ☑ Wastewater Improvements
- ☑ Stormwater Engineering
- ☑ Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

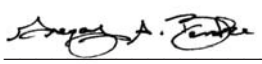
I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: 

Print Name .....: Thomas E. Gill, III

Position/Title.....: President

By.....:  

Print Name .....: Gregory A. Benske Kevin C. VanDeWoestyne

Position/Title.....: Principal Const. Department Head Principal/Municipal Department Head

Company Name ...: Thomas Engineering Group, LLC

Address line 1 .....: 238 South Kenilworth Avenue, Suite 100

Address line 2 .....: Oak Park, Illinois 60302

Telephone.....: (855) 533-1700

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....:

Print Name .....:

Position/Title.....:

Company Name ...:

Address line 1 .....:

Address line 2 .....:

Telephone.....:

BENSENVILLE
GATEWAY TO OPPORTUNITY

Civil Engineering Services
Statement of Qualifications

TROTTER and ASSOCIATES, INC.
ENGINEERS AND SURVEYORS

St. Charles, IL • Fox Lake, IL
630.587.0470 • www.trotter-inc.com

Continuity • Collaboration • Commitment

October 19, 2017



Boots signify who we are. To do our work, we need boots. Often, wingtips or penny loafers won't do. We may do much of our work in an office, but this isn't where our work really gets done. Our work gets done in the down and dirty environments where most engineers would rather not go. Roadside ditches, pump stations, wastewater plants.

Our boot prints are all over these places. It's because we were there yesterday. We're there today, and we'll be there tomorrow. Ensuring that our designs work in the real world. Ensuring that our clients are satisfied, and ensuring that any work that leaves our building is worthy of bearing the Trotter seal of approval.

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GENERAL INFORMATION AND FIRM BACKGROUND


TROTTER
and
ASSOCIATES, INC.
ENGINEERS AND SURVEYORS
Experienced Professionals - Better Solutions
630-587-0470
www.Trotter-inc.com

Introduction to Trotter and Associates, Inc.

Trotter and Associates, Inc. (TAI) is a full service civil engineering firm that specializes in water and wastewater engineering. We have developed a team of professionals that are experienced, proficient and dedicated to a common cause – the satisfaction of our clients. The team focuses on developing strong client/consultant relationships and strives to earn each client's confidence, respect and trust through exceptional service.

TAI has completed projects for **more than 70 municipalities and sanitary districts** throughout northern Illinois. TAI staff's technical expertise has earned our client's confidence to address their immediate challenges and our strategic vision has earned their trust by providing solutions that support the community's long-term goals. Trotter and Associates' team provides planning, design, and construction phase services for municipal water, wastewater, transportation, utility infrastructure, survey, and GIS projects.

Trotter and Associates, Inc.'s corporate office is located in St. Charles at the intersection of Illinois Route 64 and Burlington Road. This location allows easy access to a number of major routes, which enables our staff to provide clients with outstanding service, readily available with minimal travel time. The firm's client base has continually grown over the past seventeen years. TAI also has offices located in Fox Lake, Illinois and Lake Geneva, Wisconsin.

St. Charles Office
Trotter & Associates, Inc.
40W201 Wasco Road, Suite D
St. Charles, IL 60175

Fox Lake Office
Trotter & Associates, Inc.
38 W. Grand Avenue, Suite 300
Fox Lake, IL 60020

Lake Geneva Office
Trotter & Associates, Inc.
700 Geneva Parkway, Suite B
Lake Geneva, WI 53147

All Bensenville Projects will be managed out of the St. Charles Office.

The contact for this proposal will be:

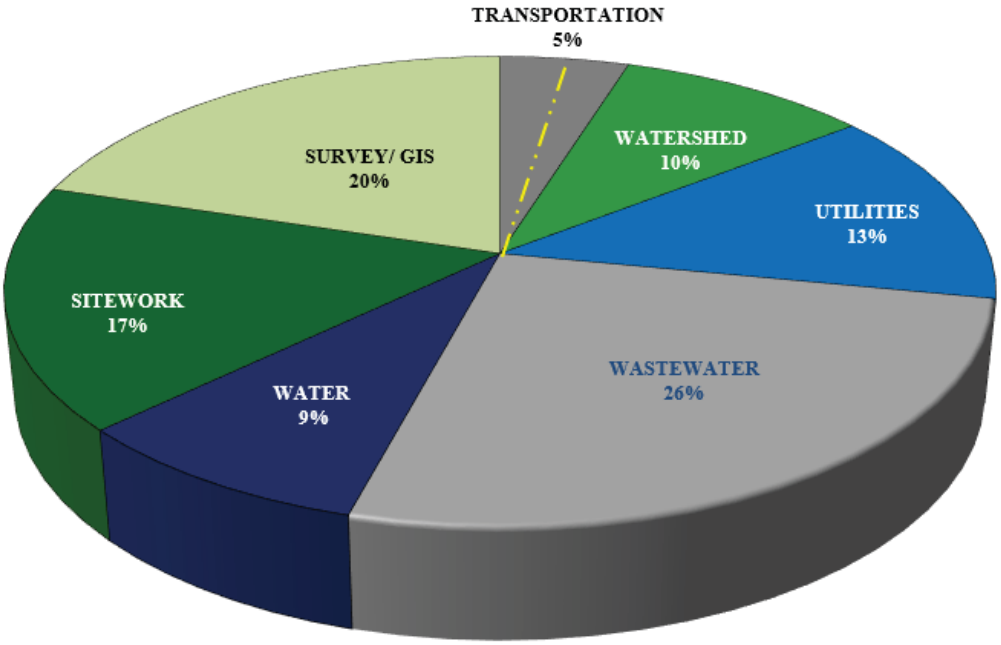
Lou Arrigoni, P.E.
l.arrigoni@trotter-inc.com
Trotter & Associates, Inc.
40W201 Wasco Road, Suite D
St. Charles, IL 60175

630-587-0470

Relevant Experience in Multiple Disciplines

Our professionals work closely with municipal officials to fully understand the community's priorities and we develop solutions that uniquely address the issues. Our engineers are heavily involved in professional organizations, keeping our team on the leading edge of pending regulatory issues and technological advancements. Some of the services we provide are:

- **Water Engineering**
- **Wastewater Engineering**
- **Street and Parking Improvements**
- **Stormwater Management**
- **Watershed Resources**
- **Site Development**
- **Utility Mapping/ GIS Data Collection**
- **Municipal Buildings**
- **Capital Improvements Planning**
- **Construction Management**
- **Construction Engineering**
- **Ordinance Review**
- **Land & Route Surveying**
- **Topographic & Construction Surveys**
- **Subdivision Development Review**
- **Project Funding Administration**





CONSULTANT EVALUATION AND STATEMENT OF QUALIFICATIONS FORMS

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

No Lawsuits have been filed against Trotter and Associates, Inc. concerning any services rendered from January 1, 2012 to the present.

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 06/15/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Brad Trotter & Associates 395 S. Broadway Coal City, IL 60416	CONTACT NAME: Jacqui Fenoglio PHONE (A/C, No, Ext): 815 634 3700 FAX (A/C, No): 815 634 3737 E-MAIL ADDRESS: bradtrotterassoc@comcast.net
	INSURER(S) AFFORDING COVERAGE — NAIC #
	INSURER A : HARTFORD ACCIDENT AND INDEMNITY CON
INSURED Trotter Associates In 40W201 Wasco Road, Suite D St. Charles IL 60175	INSURER B : INSURER C : INSURER D : INSURER E : INSURER F :

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC OTHER:	X		83SBAFV7857	3/11/17	3/11/18	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1000000 $ 1000000 $ 10000 $ 1000000 $ 2000000 $ 2000000
A	AUTOMOBILE LIABILITY X ANY AUTO X OWNED AUTOS ONLY X SCHEDULED AUTOS X HIRED AUTOS ONLY X NON-OWNED AUTOS ONLY	X		83UECPF0515	3/11/17	3/11/18	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) Med Pay	$ 1000000 $ $ $ $ 5,000
A	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED X RETENTION $ 10000	X		83SBAFV7857	3/11/17	3/11/18	EACH OCCURRENCE AGGREGATE	$ 5000000 $ 5000000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		83WECRX8614	3/11/17	3/11/18	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1000000 $ 1000000 $ 1000000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

Sample

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Jacqui Fenoglio

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ACORD

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 6/15/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
Wine Sergi Insurance 1000 E. Warrenville Road Suite 101 Naperville IL 60563	PHONE (A/C, No, Ext): 630-513-6600	FAX (A/C, No): 630-513-6399
	E-MAIL ADDRESS: christinec@winesergi.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Crum & Forster	
INSURED TROAS01 Trotter and Associates, Inc. 40W201 Wasco Road, Suite D St. Charles IL 60175	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** 380541824 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	GENERAL LIABILITY						EACH OCCURRENCE	$
	☐ COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
	☐ CLAIMS-MADE ☐ OCCUR						MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
							GENERAL AGGREGATE	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$
	☐ POLICY ☐ PRO-JECT ☐ LOC							$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$
	☐ ANY AUTO						BODILY INJURY (Per person)	$
	☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	☐ HIRED AUTOS ☐ NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
	☐ UMBRELLA LIAB ☐ OCCUR						EACH OCCURRENCE	$
	☐ EXCESS LIAB ☐ CLAIMS-MADE						AGGREGATE	$
	☐ DED ☐ RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						☐ WC STATU-TORY LIMITS ☐ OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ (Mandatory in NH)	N / A					E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	Professional Liability			PKC103859	4/7/2017	4/7/2018	Aggregate Occurrence	$3,000,000 $3,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Sample

CERTIFICATE HOLDER

For Informational Purpose Only

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Keith Vinci

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STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [1] Design Engineering
- [3] Wastewater Improvements
- [4] Stormwater Engineering
- [2] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: _____

Print Name .....: _____

Position/Title.....: _____

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: _____

Print Name .....: R. Scott Trotter

Position/Title.....: President

Company Name ...: Trotter and Associates, Inc.

Address line 1 .....: 40W201 Wasco Road, Suite D

Address line 2 .....: St. Charles, IL 601785

Telephone.....: 630-587-0470

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

October 12, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

James McKenzie
TROTTER AND ASSOCIATES, INC.
40W201 Wasco Road
Suite D
Saint Charles, IL 60175

Dear James McKenzie,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $10,400,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 142.24% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR TROTTER AND ASSOCIATES, INC.

CATEGORY	STATUS
Highways - Roads and Streets	X
Special Services - Construction Inspection	X
Special Services - Surveying	X
Hydraulic Reports - Waterways: Typical	X
Special Studies - Location Drainage	X
Location Design Studies - Rehabilitation	X
Special Studies - Safety	X
Special Studies - Traffic Studies	X
Special Studies - Feasibility	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST



DESIGN ENGINEERING

Capabilities

As a municipal engineering firm, Trotter and Associates, Inc. provides planning, design, and implementation services of capital improvements programs for communities throughout northern Illinois. Following is an in-depth explanation of TAI's in-house services.

Surveying



Trotter and Associates provides professional land surveying services including boundary surveys, ALTA/ACSM Land Title Surveys, utility mapping, topographic survey, construction staking and high accuracy horizontal and vertical control. Our Professional Land Surveyors have over twenty five years of experience in Boundary and ALTA/ACSM Land Title Surveys, Plat of Highways, legal description and plat preparation. Our survey crews are equipped with the latest technology, training and safety equipment. TAI's crew chiefs average twenty five years of experience and have worked on a wide range of projects. In addition, each member of Trotter and Associates, Inc.'s professional staff has a strong survey background. Most of the TAI team members have spent more than two years on a survey crew.

TAI utilizes Robotic Total Stations and Global Navigation Satellite System (GNSS) survey equipment. TAI currently utilizes GNSS equipment that allows our crews to work efficiently and obtain data within 10 millimeters within seconds. Where conditions will not permit or a higher degree of accuracy is required, our survey crews utilize a Robotic Total Station. Both of these systems utilize the same data collector, which provides a seamless transfer when utilizing both the GNSS and Robotic Station on the same project. Presently, TAI utilizes Trimble S6 Robotic Total Stations, R10 RTK GNSS equipment and TSC3 Survey Controllers with GNSS Accessories.

Collection of topographic information such as utility structures is accomplished with both electronic survey equipment as well as field data sheets that are transcribed in the office.

Roads & Parking Lots (including MFT)

Trotter and Associates has an excellent resume of transportation related projects. These projects include roadway reconstruction, annual maintenance and rehabilitation programs, and parking lot design. Our team has extensive experience with designing/permitting/constructing new or improved access locations with IDOT and the various county DOT's.

TAI routinely prepares plans and specifications for large transportation projects such as roadway reconstruction, widening, and resurfacing for municipal clients. TAI also commonly designs site development projects that include use-specific features such as traffic calming devices and environmentally conscious features.

TAI routinely uses specific designs and features to address the needs of heavy vehicles such as fire trucks, school buses, specialty trucks, and construction equipment. Some of these features include truck bays, reinforced pavement, loading docks and appurtenances for the delivery of bulk storage material. Designs

must not only be cost-effective but provide safe and practical turning movements for the intended vehicles.

Traffic Studies

TAI has the personnel and equipment to perform traffic counts and speed studies. TAI's staff has performed cut-through traffic analysis, stop sign warrant analysis, traffic calming evaluation and pre-implementation analysis, and safe routes to school evaluations. It is imperative that traffic planning/calming features result in reduced speeds but do not impede the flow of traffic. Traffic calming needs to ensure pedestrian safety, maintain vehicle circulation and limit vehicle speed.

Water & Sanitary Conveyance

Trotter and Associates has completed numerous water distribution projects ranging from transmission mains to small distribution systems. TAI is accustomed to working with diverse pipe materials including Ductile Iron, C-900 PVC, and HDPE and is sensitive to the cost and surrounding environment of the project by selecting the appropriate construction method, be it open cut, bore and jack or directional drill. Design and construction phase engineering requires experience, attention to details and open communication with the owner to ensure that the finished product meets the owner's expectations. The clarity and accuracy of TAI's construction documents result in tighter bids and minimal change orders. As a result, TAI is able to assure its clients that projects will remain within budget and be completed on schedule.

Additionally, the TAI staff has completed numerous collection system projects including force mains and gravity sewers applying the same process as our water distribution projects to produce a quality plan set.

Trotter and Associates is proficient in the design of new wastewater lift stations and the rehabilitation of existing pump stations. The TAI staff can assist an owner in identifying potential problems, and in providing the design and construction of a viable lift station solution. During the preliminary investigation, TAI's staff will evaluate the current and future conditions and perform a site visit. The design process is performed in an iterative method to identify the most appropriate and effective solution. TAI staff works closely with both the owner and several manufactures to fully understand the equipment capabilities. TAI is known to continue the same level of relationship with the owner and manufacturer throughout construction.

Funding Experience

TAI feels that a large part of the quality, constructible plans that are developed for the Village of Bensenville includes a design that is based around the funding that is to be used to build them.

Through professional organizations such as APWA, Metro West Council of Governments, Lake County Municipal League, McHenry County Council of Mayors, DuPage Mayors and Managers, Northwest Municipal Conference, Trotter and Associates has established excellent working relationships with the federal, state and county elected officials. Since 2009, TAI clients received grant funding from the Illinois Department of Commerce and Economic Opportunity (Emergency Road Repair funds), Illinois Department of Natural Resources, IEPA, Lake County - CDBG funds, McHenry County - CDBG funds for the rehabilitation of roads and infrastructure, as well as STP grant funding through the Kane Kendall Council of Mayors.

TAI Grant Funded Projects		
Grant Program	**Community / Project**	**Grant Value**
CDBG	Union / Johnson Street Drainage Improvements	$ 200,000
CDBG	Union / Water Treatment Plant Improvements - Phase I	$ 420,000
CDBG - ARRA	Union / Water Treatment Plant Improvements - Phase II	$ 480,000
CDBG	Union / Water Treatment Plant Improvements - Phase III	$ 390,000
CDBG	Union / Water Tower Rehabilitation	$ 168,000
CDBG	Fox Lake / Fire Hydrant Replacement	$ 91,000
CDBG	Union / Washington Street Improvements	$ 216,000
CDBG	North Chicago / 2015/2016 Water Main Improvements	$145,000
CDBG	North Chicago 2016 Sewer Lining	$ 88,250
CDBG	Fox Lake Lakewood Ave. Water Main Improvements	$ 88,000
PARC	Fox Lake / Lakefront Park Bldg & Grounds Improvements	$790,000
STP	Campton Hills/ Campton Hills Drive LAFO	$ 480,000
STP	Campton Hills / Old La Fox Road LAFO	$ 485,000
IL Green	Elgin / Illinois Green Infrastructure Grant	$ 634,000
DCEO	Grafton Township / 2012 Road Program	$ 125,000
DCEO	Grafton Township / 2013 Road Program	$ 75,000
EPA 319	Judson College / EPA 319 Grant	$ 150,000
CDBG	Mundelein / 2013 Sanitary Sewer Rehabilitation	$ 80,000
DCEO	Nunda Township / 2012 Road Program	$ 175,000
DCEO	Wheaton Sanitary District / Intermediate Screw Pump Station Rehabilitation	$ 1,000,000
	Total Value - TAI Grant Funded Projects	$ 6,280,250

Once funding is received, TAI has the experience to develop construction documents based on the type of funding and project that is to be completed.

Project Approach

Trotter and Associates, Inc. (TAI) typical approach to projects will be:

- Data Gathering
- Conceptual Design
- Preliminary Design
- Design Development
- Final Design
- Bid Assistance

During **data gathering**, topographic survey will be performed, and base sheets prepared for the site. A site investigation will be made to identify site constraints that will need to be addressed in the plans. TAI will reach out to utility companies to locate their utilities through a design JULIE request. If required for the project, TAI will initiate the sub consultant services.

Customarily, the lead project designer will visit the site to compare the base sheets to actual field conditions. Any field discrepancies will be noted on the base sheets. In addition, the lead project designer will take pictures to document the site's pre-construction condition.

Depending on the complexity of the project, a study or **conceptual design** would be warranted to determine design parameters and to investigate funding sources. Several funding sources will be reviewed and if possible, bundled to provide the Village with the most cost effective solutions based on funds. With that said, the cheapest solution might not be the most cost-effective for the Village.

Preliminary Design will include preparation of site layouts and plan views for the project. TAI will review these documents with the Village and incorporate input and comments received. The preliminary design effort will result in 30 percent complete drawings and preliminary design level engineering computations. If necessary for the project, easements will be identified at this time and TAI will begin preparing the required plats for the identified sites.

In addition, TAI will began coordinating with the utility companies, sending them a letter and introducing the project with a copy of the preliminary design sheets. If utility conflicts are unavoidable with the proposed design, TAI will arrange a meeting with the affected utility company and the Village.

Depending on the scope of the project, TAI is proficient at arranging and conducting public information meetings and other public outreach initiatives, including questionnaires, surveys and town halls. TAI will compile and analyze stakeholder comments according to the categories established with the Village. The analysis will be documented in a report or memorandum as requested by the Village.

The **design development** phase involves taking the preliminary drawings and developing them in further detail, to the 90 percent complete stage. The preliminary design drawings will be developed to include civil components of the design. We will also begin preparing the project specifications during this phase. 90 percent complete documents will also be submitted to the various permitting agencies for review and permit issuance – specifically, DuPage County Stormwater, IEPA, IDOT, and DuPage DOT. Projects impacting floodplain and/or floodways might involve USACOE and IDNR permitting. While they do not have permitting authority, TAI will coordinate with specific highway districts when a project involves work within their right-of-way.

In addition, TAI will be actively coordinating with the utility companies contacted during preliminary design. TAI will incorporate design changes suggested by the utility companies when they are beneficial to the project.

After receiving comments and input from the Village on the 90 percent complete documents, the final details, dimensions, call-outs, and notes to the drawings will be added. The Specifications will be finalized. Our opinion of probable costs will also be prepared, and the complete design documents submitted for final review and comment by Village staff and other agencies having jurisdiction. Any comments received after this final review will be incorporated prior to advertising the project for bids.

During the **bidding assistance** phase, we will assist the Village in advertising the project, responding to questions from potential bidders, and issuing necessary addenda to clarify the design requirements. We will also attend the pre-bid meeting and the bid opening, after which we will tabulate the bid results, contact references and make recommendation to the Village for award of the project.

Staffing

Name/Registration/Title	Years of Exp./ @Firm	IDOT/Municipal Project Experience
Lou Arrigoni, P.E./ Senior Project Manager	31/2.5	• Village of Bensenville, 2016 Water Main Improvements, Water Main, IEPA Permitting. Managed in-house staff and sub-consultant. Addressed Village concerns regarding replacement of cul-de-sac islands after initial removal in design based on resident input. • Extensive roadway design experience for municipalities and IDOT including streetscapes, roadway widenings, location drainage studies and resident engineering. Familiar with STP and MFT projects. • Municipal water main and sewer work for Algonquin, Addison, Mt. Prospect • Familiar with IEPA and DuPage County Stormwater Permitting Resume attached.
Dale Marting, Jr., P.E., CFM, CSM/ Project Engineer	26/1.5	• Worked with DuPage County municipalities, primarily focused within stormwater management, development review, transportation and bridge projects, as well as utility rehabilitation and replacement programs. • Served as Village Engineer for several communities including Roselle, Addison and Bartlett. • Experience on a variety of local street/roadway, water main, location drainage study/storm water management, IDOT transportation, surveying, street-scape projects including detailed design, resident engineering, quality control/quality assurance and project management. • Knowledgeable with the DuPage Stormwater Management process and permitting requirements Resume attached.
Susan Novak, P.E./ Project Engineer	12/2.5	• Worked with municipalities, primarily focused within utilities and street rehabilitation and replacement programs. • Knowledgeable in MFT and STP funding requirements. • Familiarity with permitting requirements through IEPA and DuPage County.

		• Experience on a variety of local street/roadway, water main, location drainage study/storm water management projects including detailed design. Resume attached.
Christian Moring, EIT/ Engineer	0.5/0.5	• Experience in cost estimating and specifications. • Provided field support for plan-in-hand reviews. Resume attached.
Steve Cieslica, P.E./ Project Manager	23/8	• Specializes in best management practices in Capital Improvements planning and grant funding, including MFT, DCEO, CDBG, STP, PARC, IGIG, and 319 IEPA. • Serves as the City Engineer for North Chicago and Village Engineer for Union. • Familiarity with permitting requirements through IEPA and DuPage County. • Specializes in evaluating local roads and preparing MFT maintenance improvement projects Resume attached.
Mark Sikora, P.E./ Pump And SCADA Systems	25/18	• Expertise in mechanical and electrical engineering • Specializes in SCADA system development and integration. Resume attached
James McKenzie, PLS/ Surveyor	28/8.5	• Experience with the development process including the platting and design of numerous subdivisions and site development projects. • Experience in the public sector specifically on municipal and transportation projects. Resume attached.

Louis Arrigoni, P.E.



Qualifications
Lou Arrigoni is the Site Civil/ Transportation Division Leader at TAI's main office. He is responsible for designing and managing capital improvement projects. Mr. Arrigoni has 31 years of experience in a wide variety of projects. In addition, Lou has served in numerous board positions for the American Society of Civil Engineers, Illinois Branch.

Education
B.S., Civil Engineering, Illinois Institute of Technology

Registration
Professional Engineer, P.E. IL, WI, MI

Memberships
American Society of Civil Engineers
American Public Works Association

Publications/Articles
Louis V. Arrigoni, John C. Lazzara, "Context Sensitive Solutions: A Collaborative Process for Planning, Design and Construction," TransportLine, May, Volume 14, Number 1, 5/2004, ASCE Illinois Section Newsletter, 2004, Washington State Technology Transfer, 2004, ARTBA, 2004

Village of Addison – Byron Avenue Watermain Program
Project Manager. TAI completed Plans, Specifications and Estimates (PS&E's) for the Village of Addison's Byron Avenue Water Main Replacement and Resurfacing project. TAI designed water main replacement and street rehabilitation for 4,000 feet of Byron Avenue.
Byron Avenue, though a residential street, contains extensive utilities including a 48-inch storm sewer and a 42-inch sanitary interceptor sewer. The placement of the new water main was a challenge to avoid utility conflicts. Due to the storm and sanitary sewers, the new water main was relocated to under the roadway pavement and parkway to the parkway on the south side of Byron. The location of the new water main required the relocation of 300 feet of sanitary sewer.
Based on budget constraints, a number of pavement scenarios were developed to determine the extent of curb and gutter and sidewalk replacement as well as depth of grinding on Byron. Cost estimates were generated for all scenarios, giving the Village the best use of their available funds.
Work included IEPA permitting for both sewer and water, ADA compliance, and surveying.

City of St. Charles – North 5th Avenue Watermain Replacement
Project Manager. The City of St. Charles had experienced chronic breaks in their watermain along Route 25 in a crucial section feeding the north side of town. TAI worked with City staff to develop multiple options for replacement of the main and help choose the best option for the conditions. TAI prepared the engineering documents and worked with the City and Illinois Department of Transportation to permit the construction of the new main. They also assisted the City in the bidding process and performed engineering services throughout construction.

Illinois American Water Company – Route 7/159th Street Watermain and Sanitary Improvements
Project Manager. In order to accommodate roadway improvements by the Illinois Department of Transportation, TAI identified and analyzed hundreds of conflicts between Illinois American Water's watermain, sanitary sewer and forcemain and the other utilities and roadway improvements along a 3.5 mile stretch of roadway. TAI worked with ILAWC to complete value engineering in order to improve upon

ILAWC's existing system and relocate their utilities prior to construction the roadway improvement. TAI also performed permitting, bidding and construction engineering services for the project.

City of St. Charles – North Tyler Road Watermain Replacement
Project Manager. TAI performed design, bidding and construction phase engineering services for the replacement of approximately 2,100 LF of watermain along North Tyler Road in the City of St. Charles. This work also included permitting the proposed improvements with the Illinois Environmental Protection Agency.

Village of Schaumburg – Sidewalk Gap Program
Project Manager. TAI completed Plans, Specifications and Estimates (PS&E) for the Village of Schaumburg's sidewalk gap program along Irving Park and Quentin Roads. Both locations required grading the sidewalk to drain the right-of-way to the roadway. Easements for the grading were required to complete the project. Irving Park Road had a berm within the right-of-way that needed to be relocated to accommodate the sidewalk as well as design and placement of low level block retaining walls to accommodate existing landscaping and signage. Permitting for Irving Park Road was completed through IDOT and the work on Quentin Road was permitted through Cook County.

Village of Campton Hills – 2017 MFT Program
Project Manager. Trotter and Associates, Inc. completed plans, specifications and estimates for the 2017 Campton Hills MFT program. This project included design and bidding for the Village of Campton Hills 2017 Motor Fuel Tax Improvement Project. The project included overlay of seven streets: Greenleaf Whittier Place, Walt Whitman Road, Abby Glen Drive, Abby Glen Court, Cambridge Court, Farrier Point, and Foxwood Lane.
TAI was responsible for preparation of IDOT resolutions, plans, special provisions and contract documents in accordance with MFT policies and procedures. TAI obtained approvals from IDOT Bureau of Local Roads

City of Warrenville – Warren Avenue Watermain Extension
Project Manager. TAI completed Plans, Specifications and Estimates (PS&E's) and performed construction observation for the Warren Avenue water main extension project. TAI designed a 1,500 foot long 8-inch PVC water main extension down Warren Avenue from Rogers Avenue to Warrenville Road. The water main was installed by directional drilling and all open cuts for connections and services in the roadway were temporarily patched and then resurfaced through the annual MFT program.
Originally, the water main was to be constructed using open cut methods due to the anticipated soils being cobble and running sand. Once the soils report returned findings of cohesive soils to a depth of 8 feet, it was decided to directionally drill the water main to reduce impacts to the travelling public and the neighborhood. Work included installation of fire hydrants, IEPA permitting, and surveying.

Dale V. Marting Jr., P.E.



Qualifications
Mr. Marting, Jr. has more than twenty-five years of direct civil engineering experience on a variety of local street/roadway, water main, location drainage study/storm water management, IDOT transportation, surveying, street-scape projects including detailed design, resident engineering, quality control/quality assurance and project management. Mr. Marting, Jr. has a thorough understanding of both DuPage County's Countywide Stormwater and Flood Plain Ordinance and Kane County's Stormwater Management Ordinance. He is proficient in a wide range of engineering programs (WaterCAD, *SWMM, HEC-1, HEC-2, HY-8, TR-20, etc*.).

Education
Bachelors of Science in Civil Engineering
Iowa State University – 1991

Registration
Illinois Professional Engineer – 062-050714
Iowa Professional Engineer - 13490
Michigan Professional Engineer - 6201056297

Village of Union – Washington Street Water Main Improvements (CDBG Funded, McHenry Co.)
Mr. Marting prepared plans, specifications and a cost estimate for the water main improvement along Washington Street from far west end of Washington Street to Main Street, in the Village of Union. The proposed water main was installed down the centerline of Washington Street to accommodate future utilities. The existing 4" and 8" water main suffered from numerous breaks and was filled and abandoned. The scope of project included correcting sidewalk ramps at the intersections of Washington and Vine Streets and Washington and Main Street to comply with current ADA/Illinois Accessibility Code.

Village of Fox Lake – Lakewood, Highland, and Glen Ave Water Main Improvements (CDBG Funded, Lake Co.)
Mr. Marting provided construction observation services for the installation of new 8" PVC C900 water main along Glen, Highland and Lakewood Avenues in the Village of Fox Lake. Other ancillary work included a pressure connection at the intersection of Glen and Forest Avenues; installation of curb stops; installation of fire hydrant assemblies; pavement grinding and resurfacing with HMA pavement; and restoration. His duties included verifying the materials used by the contractor, responding to complaints by impacted stakeholders, Village's representative to the contractor, and updating the Village and Lake County Department of Community Development with the contractor's progress and schedule.

Village of Addison – Byron Avenue Watermain Program
Project Engineer. TAI completed Plans, Specifications and Estimates (PS&E's) for the Village of Addison's Byron Avenue Water Main Replacement and Resurfacing project. TAI designed water main replacement and street rehabilitation for 4,000 feet of Byron Avenue.
Byron Avenue, though a residential street, contains extensive utilities including a 48-inch storm sewer and a 42-inch sanitary interceptor sewer. The placement of the new water main was a challenge to avoid utility conflicts. Due to the storm and sanitary sewers, the new water main was relocated

Memberships
American Public Works Association

Certifications
IDOT Documentation Certified – 16-11927
Kane County Storm Water Review Specialist – E-177
National Bridge Inspection Standards (NBIS) Program Manager – Inspector ID 00420
Certified NetWare Engineer

to under the roadway pavement and parkway to the parkway on the south side of Byron. The location of the new water main required the relocation of 300 feet of sanitary sewer.
Based on budget constraints, a number of pavement scenarios were developed to determine the extent of curb and gutter and sidewalk replacement as well as depth of grinding on Byron. Cost estimates were generated for all scenarios, giving the Village the best use of their available funds.
Work included IEPA permitting for both sewer and water, ADA compliance, and surveying

Village of Schaumburg - Sidewalk Gap Program
Project Engineer responsible for the design and grading of the sidewalk. TAI completed Plans, Specifications and Estimates (PS&E) for the Village of Schaumburg's sidewalk gap program along Irving Park and Quentin Roads. Both locations required grading the sidewalk to drain the right-of-way to the roadway. Easements for the grading were required to complete the project. Irving Park Road had a berm within the right-of-way that needed to be relocated to accommodate the sidewalk as well as design and placement of low level block retaining walls to accommodate existing landscaping and signage. Permitting for Irving Park Road was completed through IDOT and the work on Quentin Road was permitted through Cook County.

Village of Fox Lake – Lakefront Park Building and Grounds Improvement (PARC Funded)
Mr. Marting prepared construction documents and specifications for the inclusion to architectural plans for a building renovation within the Village of Fox Lake. The exterior improvements included the design of storm sewer, 8" PVC C900 water main, splash pad and control equipment, and gravity retaining walls. Because the build functions as a community center, Trotter and Associates secured Park and Recreational Facility Construction Grant (PARC) funds from the Illinois DNR for the building's renovations.

Susan Novak, P.E.



Qualifications
Ms. Novak has a comprehensive background of experience, but her proficiency is in stormwater design, development and construction for land development/ improvement projects. Her experience in municipal and commercial development design includes stormwater management design and permitting, BMP design and implementation, erosion control and all aspects of project permitting, construction management and project closeout. This has afforded her the ability to develop an extensive knowledge of local and regional permitting and ordinance requirements. It has also afforded her a unique perspective in innovative design considerations for recurrent flooding concerns for various municipalities and developers.

Education
B.S., Civil and Environmental Engineering, University of Wisconsin - Madison
M.S. Environmental Engineering – University of Wisconsin, Madison - Expected Graduation May 2018

Registration
Professional Engineer, P.E., Illinois

Water/Wastewater Interceptor Sewer – Fox Lake
The design and analysis of the water and wastewater system interconnect for Fox Lake, Illinois was evaluated to serve the residents of Fox Lake on the North side of the lake. The proposed system interconnection required considerable coordination of utility locations within the County Right of Way, property owners, and the applicable governing municipal agencies. A significant amount of design consideration was to evaluate the two lake crossings in regards to their impact, feasibility, cost, and permitting requirements. Environmentally sensitive areas were reviewed for impacts that the temporary construction of the utility installation would have on the species located within the immediate vicinity.
The sizing of the water and wastewater systems required analysis of the existing connections and future growth potential, as well as the benefit of the interconnected systems in regards to system capacities, pipe hydraulics, water pressures, and fire flows. Alternate routes were compared for their constructability, cost, and feasibility to serve the existing and future populations on the North side of Fox Lake.
As part of the conceptual design process, multiple lift stations were evaluated as to their existing and future wet well capacities and their pump efficiencies. A combined force main was conceptually designed for proposed pipe hydraulics and the tributary pump curves from two tributary lift stations. A new lift station at the lake crossing was conceptually designed for existing and future flows to maximize the potential service areas on the North side of the lake while reducing the immediate construction cost and still serving the future needs of the Village. Construction cost for the project was estimated between $20-25 million.

Village of Algonquin – Downtown Streetscape Utility Design
Project Engineer. Supported the sanitary sewer and water main design for the project including client coordination and development of plan set. TAI completed Plans, Specifications and Estimates (PS&E's) for the Village of Algonquin's Utility work within their proposed streetscape. Approximately 330 linear feet of existing

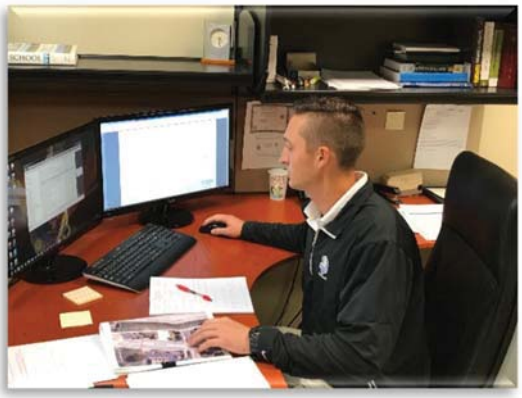
water main will be replaced with a new 8 inch ductile iron main and 2,775 feet of existing 16" and 18" sanitary sewer will be replaced with 24" and 30" PVC and Ductile Iron pipe. The lowering of the new sanitary sewer means the existing Harrison Street lift station will be decommissioned and removed. The south end of this project will tie into the existing Riverfront lift station at a new elevation. The lift station will be modified to maintain the same pump cycle. Work included IEPA permitting for water and sanitary, traffic control, ADA compliance, and surveying.

Village of Algonquin – Interceptor Sewer
Project Engineer. Supported the sanitary sewer design for the project including client coordination and development of plan set. TAI is completing Plans, Specifications and Estimates (PS&E's) for the Village of Algonquin's Interceptor Sewer from the River Front Lift Station to a new 3 MGD lift station located at Triangle Park to be designed as a part of this project. The existing 1,100 feet of 16" and 18" sanitary sewer will be replaced with 24" and 30" PVC and Ductile Iron pipe. A portion of the new sanitary will be placed under Spring Creek at the existing Harrison Street Bridge location. Water main will be relocated under the creek as well, directly northwest of the Harrison Street Bridge. Work includes IEPA permitting, traffic control, and surveying.

Mallard Point Drainage Investigation – Village of Sugar Grove
Project Engineer. A preliminary drainage analysis of elevated groundwater conditions is currently ongoing at Mallard Point in Sugar Grove. The central low lying area collects subsurface water creating a perched groundwater table, causing residents to heavily rely on the sump pumps located in their basements to remove the water from their homes. The existing drainage system that was installed has been evaluated for deficiencies, and the groundwater monitoring wells have been tracked for years in order to provide data and information that is currently being used to develop a means of relief for the residents of the affected area. The investigation within this area is ongoing, and requires coordination with Village Staff and residents.

Collector Streets Resurfacing – City of Elgin
Project Manager. Trotter and Associates, Inc. prepared preliminary design, final design and contract documents for the resurfacing and rehabilitation of 2.83 miles of streets. The contract documents included a base bid and 5 alternates in order to obtain "economy of scale" The streets include segments of Allen Drive; Bode Road; Bruce Drive; Campus Drive, Channing Street, Chester Court; Fletcher Drive; North Lyle; Springfield Court; Valley Creek Drive; Waverly and Weld Roads. The resurfacing work consists of HMA surface removal, pavement patching, installing strip reflective crack control fabric, removing/replacing sidewalk ramps to meet ADA requirements; curb removal/replacement; installing HMA binder and surface courses; pavement markings and restoration work. TAI coordinated with IDOT and Kane County DOT for maintenance of traffic signals. Campus Drive and Weld road will be rehabilitated utilizing full depth reclamation (FDR) with cement to stabilize the roadway base. Once stabilized, the base will be resurfaced with HMA binder and surface courses. This rehabilitation alternative was more economical than the completely removing and replacing the existing roadway. The project was bid in the winter of 2015 for $2,030,000.00 and construction was completed in 2016. TAI provided construction engineering services on the project.

Christian Moring



Qualifications
Christian Moring is a recent graduate from the University of Iowa. He has experience in storm sewer and pavement design, survey, and construction observation.

Education
B.S., Civil Engineering, University of Iowa

Registration
Engineer in Training, E.I.T.

Memberships
The American Society of Engineers

Village of Algonquin – Downtown Streetscape Utility Design
Design Engineer. Developed Specifications and supported sanitary sewer design. TAI completed Plans, Specifications and Estimates (PS&E's) for the Village of Algonquin's Utility work within their proposed streetscape. Approximately 330 linear feet of existing water main will be replaced with a new 8 inch ductile iron main and 2,775 feet of existing 16" and 18" sanitary sewer will be replaced with 24" and 30" PVC and Ductile Iron pipe. The lowering of the new sanitary sewer means the existing Harrison Street lift station will be decommissioned and removed. The south end of this project will tie into the existing Riverfront lift station at a new elevation. The lift station will be modified to maintain the same pump cycle. Work included IEPA permitting for water and sanitary, traffic control, ADA compliance, and surveying.

Village of Algonquin – Interceptor Sewer
Design Engineer. Supported sanitary sewer design and developed cost estimates. TAI is completing Plans, Specifications and Estimates (PS&E's) for the Village of Algonquin's Interceptor Sewer from the River Front Lift Station to a new 3 MGD lift station located at Triangle Park to be designed as a part of this project. The existing 1,100 feet of 16" and 18" sanitary sewer will be replaced with 24" and 30" PVC and Ductile Iron pipe. A portion of the new sanitary will be placed under Spring Creek at the existing Harrison Street Bridge location. Water main will be relocated under the creek as well, directly northwest of the Harrison Street Bridge. Work includes IEPA permitting, traffic control, and surveying.

City of Elgin – Neighborhood Street Resurfacing Program
Field Engineer. Provided field support to the resident engineer. TAI prepared contract documents and provided construction engineering services for resurfacing of streets in Elgin's Randall Ridge, Wauchope, Northwest Business Park and Slough Business Park neighborhoods. Work included aggregate base repair, curb and gutter removal and replacement, and parkway restoration.

Village of Schaumburg - Sidewalk Gap Program

Design Engineer. Completed cost estimates, cross sections and sidewalk design. TAI completed Plans, Specifications and Estimates (PS&E) for the Village of Schaumburg's sidewalk gap program along Irving Park and Quentin Roads. Easements for the grading were required to complete the project. Irving Park Road had a berm within the right-of-way that needed to be relocated to accommodate the sidewalk. Permitting for Irving Park Road was completed through IDOT and the work on Quentin Road was permitted through Cook County.

Steve Cieslica, P.E.



Qualifications
Mr. Steve Cieslica is a professional engineer with over 20 years of experience working as both a contractor and a consulting engineer on municipal improvement projects. Mr. Cieslica has specialized in evaluating local roads and preparing MFT maintenance improvement projects for several municipalities and township road districts in Northern Illinois. Currently serving as the City Engineer for North Chicago and Village Engineer for Union.

Education
B.S., Civil Engineering, Montana State University

Registration
Professional Engineer, P.E., IL

Certifications
Documentation of Contract Quantities
Bridge Construction Inspection
Motor Fuel Tax Auditing and Accounting
ICORS Documentation
MUTCD Training

Memberships
American Public Works Association-Fox Valley Chapter President
American Water Works Association

City of North Chicago – 2015/2016 Street and Watermain Program
Project Manager. TAI completed Plans, Specifications and Estimates (PS&E's) and performed construction observation for the City of North Chicago's 2015-2016 streets rehabilitation and water main replacement program. TAI designed water main replacement for 6,100 feet of existing 6-inch, 8-inch and 12-inch water main and designed street rehabilitation for 8,900 feet of streets ranging from grind and overlay to rubblization of existing concrete bases of select streets.
During design, differing methods of resurfacing and rehabilitating streets were investigated. In-place recycling, full depth reclamation (FDR) and typical grind and overlay were analyzed for various streets in the program to determine the most cost effective options.
Work included raised island removal at Dugdale Road and Argonne Drive, conversion of concrete medians into landscaped medians, IDOT utility and IEPA permitting, ADA compliance for curb ramps, curb and gutter replacement and surveying. Funding sources for the project were CDBG and MFT.

Village of Campton Hills – Old LaFox Road LAFO
Project Manager. Trotter and Associates, Inc. completed the STP grant application in 2013 seeking $480,000 in STP funds for the Village through the Kane Kendall Council of Mayors. The project was placed on the Multi-Year B-List and TAI coordinated with Council staff to move the project from the B-list to FFY 2016 for construction. TAI proceeded with the Phase I and II design with a target submittal date of pre-final plans and specifications to IDOT in early January 2015. All work was completed in accordance with IDOT design guidelines for a project with federal funding. Old LaFox Road is a 1.14-mile-long rural 2-lane road and the completed project consisted of removing 2-inches of the existing pavement surface, pavement patching, installing HMA binder and surface, aggregate shoulders, pavement markings and recessed pavement markers to improve safety.

Village of Union - 2012/2013 MFT Programs.
Project Manager. These projects included design, bidding and construction engineering for the Village of Union's 2012/2013 Motor Fuel Tax Improvement Projects. The 2012 project included overlay of reaches of Depot Street, Park Street and O'Cock Road. This project was awarded and constructed in the summer of 2012 and completed within budget. The scope of the 2013 project included the rehabilitation of Washington Street along with the adjustment of utilities. In addition, TAI successfully coordinated the construction activities to avoid conflicts with school bus traffic.
TAI was responsible for preparation of IDOT resolutions, plans, special provisions and contract documents in accordance with MFT policies and procedures. TAI obtained approvals from IDOT Bureau of Local Roads and successfully closed out the projects by submitting the required BLR forms.

Village of Fox Lake – Lakefront Park Building & Grounds Improvements
The Village of Fox Lake received grant funding from the Illinois Department of Natural Resources to assist with the renovation of the Lakefront Park Building and Grounds. The improvements are anticipated to increase the recreational activities and the overall utilization of the facility.
The proposed site improvements consisted of extending a water main to the building for domestic and fire supply, reworking the parking lot for better traffic flow, constructing a splash pad and landscape restoration work. Exterior building improvements consist of new windows and doors, siding and roofing. In addition, the interior improvements consisted of installing an elevator, sports flooring, bathrooms in the locker rooms, fire protection system (sprinklers), HVAC and lighting improvements.
The TAI assisted the Village with design, permitting, bidding, and construction administration services.

Village of Mundelein– Butterfield Road Sanitary Sewer
Project Manager. Trotter and Associates Inc. (TAI) completed Plans, Specifications, Estimates (PS&E's) and secured the IEPA Permits as well as performed construction observation for the Butterfield Sanitary Sewer from Greenleaf Drive to Innovation Road. The purpose of the project was to provide sanitary sewer service to the west side of Butterfield to allow for commercial development of the properties.
TAI's project design included 900 feet of sanitary sewer that was installed in an easement located adjacent to the right-of-way. The Village of Mundelein financed the project which was then transpired to the Lake County Public Works Department who took over ownership and maintenance of the sewer.
The described work included permitting through the Lake County Department of Transportation which was required as Butterfield in this location is a County Road. Permitting through Lake County Public Works was also required as well as coordination for inspections, insurance requirements and bonding since Public Works was to assume ownership of the project upon completion.

Mark R. Sikora, P.E.



Qualifications
Mr. Sikora is one of the founding Principals of Trotter and Associates, Inc. Mark is a registered professional engineer in the State of Illinois as well as Mississippi and has over twenty years' experience in the design of water and wastewater infrastructure.

Education
B.S., Mechanical Engineering, Illinois Institute of Technology

Registration
Professional Engineer P.E., IL
Professional Engineer P.E., MS

Memberships
American Water Works Association
Water Environment Federation
--Central States & Illinois WEA

Village of Fox Lake – North Booster Pump Rehabilitation
TAI completed design, bidding and construction phase engineering for the replacement of the water booster pumping equipment and motor control center for a 2000 gpm booster pump station. The project also included replacement of all piping and valves in the station, and construction of a new 0.5 MG water tower on the booster station site.

Village of Addison - Route 53 Pump Station
TAI completed design, bidding and construction phase engineering for the replacement of a wastewater pump station along Illinois Route 53. The project included a new pre-cast submersible pump station including telemetry and controls. In addition, the force main and sanitary sewer required modifications.

Village of Bartlett – WWTP Raw Sewage Pump Station
Improvements for this project was for the replacement/ rehabilitation of the raw sewage pump station. The overall project included structural rehabilitation of the wet well, replacement of all pumps, pipes, and valves within the dry well, replacement of the motor control center, and installation of VFDs and a PLC controller connected to the SCADA system.
During the rehabilitation of this pump station in 2013, it was noted that a significant quantity of rags and debris had built up in the wet well and influent sewer lines in the absence of preliminary screening and/or grinding. TAI assisted the Village with the engineering services for the design and installation of a new influent grinder. These improvements included installation of an inline hydraulic channel grinder and coarse bar screen.

DeKalb Sanitary District – Country Club Lift Station
TAI completed construction of a new regional lift station within the floodway. Improvements included construction of sanitary sewer, interceptor sewer and force mains. The lift station included a cast-in-place wet well with four submersible pumps, cast-in-place valve vault/operations building, which were designed to be flood-proof. The operations building included controls and VFDs, backup generator, flow monitoring, valves and piping.

City of St. Charles – Royal Fox Lift Stations

Royal Fox Lift Station #2 was rehabilitated in 2013, including replacement of pumps, pipe, appurtenances, and electrical control panel, as well as the structural lining of the wet well and valve vault. Rehabilitation of Royal Fox Lift Station #1 was rehabilitated in 2014, including replacement of pumps, pipe, appurtenances, and electrical control panel, as well as the structural lining of the wet well and valve vault ad installation of cleanout structures on the discharge force main.

James McKenzie, PLS



Qualifications
Since joining Trotter and Associates, Inc. Mr. McKenzie has served as the Director of Land Surveying. With a degree specializing in land surveying, he has extensive experience in surveying, cadastral surveys, route surveys, environmental surveys and construction layout for commercial, industrial, residential and roadways Mr. McKenzie has successfully managed and surveyed countless high profile projects with challenging deadlines and has an approach that focuses on hard work through planning, communication and teamwork.

Education
Bachelor of Science, Engineering and Technology,
Southern Illinois University-Carbondale (1986)
Associate of Arts and Sciences, Pre-Engineering,
Waubonsee Community College (1984)

Professional Registrations
Licensed Professional Surveyor, Illinois No. 035-003247 (1998)

DuPage County: Design and grade separation surveys, Plat of Highways, right-of-way surveys.

Kane County DOT: Phase III construction survey of County Highway 10 (Main Street) at Nelson Lake Road. This project consisted of adding turn lanes to the T intersection for the westbound and northbound lanes and resurfacing of the entire project length.

Kane County DOT: Performed professional land surveying services as the "On-Call" Land Surveyor from Spring 2012 through Summer 2014.

Kane County DOT: Right of Way and Topographic Survey of Montgomery Road from IL Route 25 to Hill Ave/ US Route 30 along with portions of Douglas Ave/ Road in southeastern Kane County.

Lake County DOT: Right-of-Way and Topographic Survey of Gilmer Road and Midlothian Road in Hawthorn Woods.

Lake County Stormwater Management Commission: Survey of the 36-square mile Sequoit Creek watershed for hydraulic modeling.

IDOT: Plat of Highways, design surveys and construction layout.

U. S. Army Corps of Engineers: Hydrographic and topographic survey of the Chicago River locks and turning basin.

CNRR Mulford Road Drainage Investigation: Topographic and Forensic Survey of the Canadian National RR and the Union Pacific Railroad right-of-way and surrounding drainage basins and tributary drainage areas (850 Ac) for NTSB docket DCA09MR006.

Union Pacific Railroad/ High Speed Rail Chicago to St. Louis: Topographic surveys of existing utility locations for bridge and track siding designs from Joliet to Alton, IL.

CSX Transportation: Rail design, bridge clearance and topographic surveys and construction layout.

Chicago and Northwestern Railroad: Design, right-of-way, and topographic surveys.

Experience

Project / Client	**2016 Village Water Main Replacement / Village of Bensenville**
Scope of Work / Contractor / Client POC	TAI completed Plans, Specifications and Estimates (PS&E's) for the Village of Bensenville's 2016 Water Main Replacement Program. The program included two streets, River Forest Drive and River Forest Court. River Forest Drive included the replacement of approximately 600 linear feet of an existing water main with a new 8 inch ductile iron main through a residential neighborhood from Brentwood Drive east to John Street. The existing water main was located on the south side of River Forest Drive in the parkway. River Forest Court included the replacement of approximately 600 linear feet of an existing water main with a new 8 inch ductile iron main through a residential neighborhood Court which dead ends into a cul-de-sac approximately 400 feet north of River Forest Drive and also dead ends into a cul-de-sac approximately 200 feet south of River Forest Drive. The existing water main was located on the east side of River Forest Court in the parkway. Work included IEPA permitting for water, new water services, full depth pavement replacement on River Forest Drive and resurfacing on River Forest Court, ADA compliance, restoration, and surveying. Mehul Patel, Assistant Director of Public Works - Engineering (630) 594-1196
Project Team	Lou Arrigoni, P.E. – Project Manager Jim McKenzie, PLS - Survey
Construction Cost / Fee / Year	Engineer's Estimate $600,000 / $23,000 / 2016
Project / Client	**Downtown Streetscape Utility Design Stage 2 Phase 2 / Village of Algonquin**
Scope of Work / Contractor / Client POC	TAI completed Plans, Specifications and Estimates (PS&E's) for the Village of Algonquin's Utility work within their proposed streetscape. Approximately 330 linear feet of existing water main will be replaced with a new 8 inch ductile iron main, 160 feet of existing 12" and 18" storm sewer will be replaced with new 12" and 15" RCP, and 2,775 feet of existing 16" and 18" sanitary sewer will be replaced with 24" and 30" PVC and Ductile Iron pipe. The replacement of the sanitary sewer is being done to lower the existing pipe elevation to eliminate a lift station as well as to eliminate the large I&I that is occurring.

	With the lowering of the new sanitary sewer, the existing Harrison Street lift station will be decommissioned and removed. The south end of this project will tie into the existing Riverfront lift station at a lower elevation. Modifications to the Riverfront lift station will include the modifying of the pumps to maintain the same pump cycle that exists now. Temporary patching will be maintained in the Downtown Streetscape area until the new streetscape can be constructed. All areas outside of the streetscape will be patched and the street ground and overlaid. Work included IEPA permitting for water, and sanitary, traffic control including a detour plan for Harrison Street, pump station mechanical and electrical work, ADA compliance, and surveying. Shawn M. Hurtig, Project Manager (847) 658-2754
Project Team	Lou Arrigoni, P.E. – Project Manager Dale Marting, P.E., CFM, CSM – Project Engineer Susan Novak, P.E. – Engineer Christian Moring, EIT – Engineer Mark Sikora, P.E. – Electrical/Mechanical Jim McKenzie, PLS - Survey
Construction Cost / Fee / Year	Engineer's Estimate $2.3 million / $86,000 / To be constructed 2018
Project / Client	**Glen Drive North / City of Warrenville**
Scope of Work / Contractor / Client POC	Trotter and Associates Inc. completed Plans, Specifications, Estimates (PS&E's) and secured the IEPA Permits as well as performed construction observation for the Glen Drive North Sanitary Sewer and Water Main Extension Project. The long term purpose of the project is to better serve this described area of Warrenville with the necessary services, so that the residents may abandon their present wells and septic systems. TAI's project design included 6,300 feet of sanitary sewer, 2300 feet of PVC water main and retrofitting the existing storm sewer system extending along Williams Road, Calumet Court and Glen Drive North, all being located between Batavia Road and Butterfield Road within the City of Warrenville. The sanitary work included the design and installation of a new lift station located on Glen Drive North at Calumet Avenue. The described work also included services for both water and sanitary, fire hydrants and other appurtenances to complete the project, including HMA paving. The work was performed in a well-established neighborhood of well-kept residences.

	PirTano Construction Company, Addison, IL Phil Kuchler, P.E., Public Works Director (630) 393-9050
Project Team	Lou Arrigoni, P.E. – Project Manager Susan Novak, P.E. – Project Engineer Mark Sikora, P.E. – Electrical/Mechanical Jim McKenzie, PLS - Survey
Construction Cost / Fee / Year	$2 million / $72,000 / 2017



RESIDENT ENGINEERING

Capabilities

Construction Administration

Trotter and Associates is not only recognized for our design capabilities, but is also known throughout the industry for our impartial interpretation of the contract documents. This approach increases the number of contractors willing to bid on our projects.

Contractors know that our firm is thorough and that our plans are crystal clear without ambiguity or "implied" work. As a result, contractors do not place a factor of safety on their bids. TAI projects consistently receive more than five bids. This means that the Owner is ensured a competitive price for his project.

TAI's approach to construction phase services is different from most of our competitors. Our design phase team is our construction phase team. Our team can anticipate constructability issues in the design phase as well as understand the issues that do arise. We prefer to assign one of the design team members as the resident engineer (RE) on the project. Therefore, our resident engineer has the background and knowledge of the design intent to assist in making any adjustments required.

Furthermore, the project manager and project engineer attend the weekly construction meetings. Through superior design and consistency in our construction phase team, we have successfully kept our **change order rate below 1.0%** compared to the industry average of 9%. The competitive price in the bidding process and lower change order rate translates to a much higher value to the Owner for the product.

During construction, communication is one of the most important elements required for a successful project. TAI's staff makes it a point to be in touch with our clients throughout the construction process, either in conversation or written form depending on the project and client's needs. Through continuous communication with our clients, we are able to quickly resolve issues.



To keep all stakeholders informed during the construction process, our staff typically assembles a monthly construction management report that includes progress summary, pay request, daily reports, shop drawing log, change order log and photographs.

TAI keeps our staff current with industry standards by sending staff to IDOT training seminars and to other educational seminars hosted

by groups such as AWWA and APWA. We have staff members certified in bridge construction inspection, MFT accounting and auditing, construction materials inspections and ICORS. Additionally, we have multiple staff members with IDOT Documentation certificates and that are Certified Public Infrastructure Inspectors (CPII) through the American Public Works Association.

Project Approach



1. General Administration of Construction Contract. Consult with the Village and act as the Village's representative as provided in the General Conditions.

2. Resident Project Representative (RPR). Provide the services of an RPR at the Site to assist the Engineer and to provide more extensive observation of Contractor's work.

4. Pre-Construction Conference. Participate in a Pre-Construction Conference prior to commencement of Work at the Site.

5. Participate in a public information meeting with the local residents to explain the construction process, provide a tentative construction schedule, traffic access and parking and points of contact to answer questions.

6. Baselines and Benchmarks. As appropriate, establish baselines and benchmarks for locating the Work which in Village's judgment are necessary to enable Contractor to proceed.

7. Visits to Site and Observation of Construction. In connection with observations of Contractor's work while it is in progress, make visits to the Site at intervals appropriate to the various stages of construction, as Engineer deems necessary, in order to observe, as an experienced and qualified design professional, the progress and quality of the Work. Based on information obtained during such visits and such observations, Engineer will determine in general if Contractor's work is proceeding in accordance with the Contract Documents, and Engineer shall keep the Village informed of the progress of the Work.

8. Defective Work. Recommend to the Village that Contractor's work be disapproved and rejected while it is in progress if, on the basis of such observations, Engineer believes that such work will not produce a completed Project that conforms generally to the Contract Documents or that it will prejudice the integrity of the design concept of the completed Project as a functioning whole as indicated in the Contract Documents.

9. Clarifications and Interpretations; Field Orders. Issue necessary clarifications and interpretations of the Contract Documents as appropriate to the orderly completion of Contractor's work. Such

clarifications and interpretations will be consistent with the intent of and reasonably inferable from the Contract Documents. Engineer may issue Field Orders authorizing minor variations from the requirements of the Contract Documents.

10. Change Orders and Work Change Directives. Recommend Change Orders and Work Change Directives to the Village, as appropriate, and prepare Change Orders and Work Change Directives as required.

11. Shop Drawings and Samples. Review and approve or take other appropriate action in respect to Shop Drawings and Samples and other data which Contractor is required to submit, but only for conformance with the information given in the Contract Documents and compatibility with the design concept of the completed Project as a functioning whole as indicated in the Contract Documents. Such reviews and approvals or other action will not extend to means, methods, techniques, sequences or procedures of construction or to safety precautions and programs incident thereto. Engineer has an obligation to meet any Contractor's submittal schedule that has earlier been acceptable to Engineer.



12. Substitutes and "or-equal." Evaluate and determine the acceptability of substitute or "or-equal" materials and equipment proposed by Contractor.

13. Inspections and Tests. Require such special inspections or tests of Contractor's work as deemed reasonably necessary, and receive and review all certificates of inspections, tests, and approvals required by Laws and Regulations or the Contract Documents. Engineer's review of such certificates will be for the purpose of determining that the results certified indicate compliance with the Contract Documents and will not constitute an independent evaluation that the content or procedures of such inspections, tests, or approvals comply with the requirements of the Contract Documents. Engineer shall be entitled to rely on the results of such tests.

14. Disagreements between the Village and Contractor. Render formal written decisions on all claims of the Village and Contractor relating to the acceptability of Contractor's work or the interpretation of the requirements of the Contract Documents pertaining to the execution and progress of Contractor's work. In rendering such decisions, Engineer shall be fair and not show partiality to the Village or Contractor and shall not be liable in connection with any decision rendered in good faith in such capacity.

15. Applications for Payment. Approve payment based on Engineer's observations as an experienced and qualified design professional and on review of Applications for Payment and accompanying supporting documentation.

Staffing

Name/Registration/Title	Years of Exp./ @Firm	IDOT/Municipal Project Experience
Phil Kazimier/ Director of Construction Services	34/3	• Performed day to day construction observation for multiple municipal clients including, Geneva, St. Charles, Batavia and Aurora. • Oversaw construction for streetscapes and LAFO projects. • Specializing in Construction Management and Observation of Federal Aid, Urban, MFT and Non-MFT projects. • Experienced in roadway and utility construction work. • Very proficient with IDOT documentation policies and procedures for construction projects. • Fluent with ICORS. • IDOT Documentation of Contract Quantities. Resume attached.
Lenard Lynn, CPII/ Field Inspector	25/8.5	• Specializes in utility construction work. • Well versed in requirements for testing of water mains and sanitary sewers. • Oversaw the day to day requirements for construction observation of roadway and utility construction including required documentation for municipal and MFT work. • IDOT Documentation of Contract Quantities. Resume attached.
Marty Dopke, CPII/ Field Inspector	38/15	• Specializes in subdivision as well as utility construction work. • Oversaw the day to day requirements for construction observation of roadway and utility construction including required documentation for municipal work. • Well versed in requirements for testing of water mains and sanitary sewers. • IDOT Documentation of Contract Quantities. Resume attached.

Tom Cichowski, PLS, CPII/ Professional Land Surveyor/ Field Inspector	38/6	• Oversaw the day to day requirements for construction observation of roadway and utility construction including required documentation for municipal and MFT work. • Is certified in IDOT Documentation of Contract Quantities. Resume attached.
Jim McKenzie, PLS/ Director of Land Surveying	31/8.5	• Experience with staking of construction projects including subdivisions as well a public right-of-way projects. • Experience in the public sector specifically on municipal and transportation projects. Resume attached

Philip R. Kazimier



Qualifications
Phil Kazimier has over 33 years of experience in the Civil Engineering field, specializing in Construction Management and Observation of Federal Aid, Urban, MFT and Non-MFT projects. Phil has provided design services of highways, county roadways, and municipal streets. While providing these services, he prepared cost estimates, specifications, construction staging, construction analysis and design, and IDOT documentation.

Education
Associates Degree, Morrison Institute of Technology

Registration
National Institution of Certified Engineering Technicians

Certifications
Documentation of Contract Quantities: 09-0060
ICORS Certified
IDOT – Construction Material Inspection Documentation

Multiple Kane County Intersections, Kane County, IL
Construction observation on projects including Randall/Bricher, Randall/Williamsburg, Randall/Mill, Randall/Fabyan, Fabyan/Viking, Randall/Christina, Randall/Glen Eagle, Rand/38, Randall/Red Haw, Randall/Huntley, 7th Street/IL 64 traffic signals and interconnect. All of these projects include the construction of traffic signals with interconnect systems as well as emergency vehicle pre-emption systems. The projects required coordination with IDOT, municipalities, and the County of Kane.

Silver Glen Mid-County Trail Bridge, St. Charles, IL
Phil served as the Construction Project Manager for the Phase III engineering services for this bicycle/pedestrian bridge on Silver Glen Road over Randall Road in St. Charles. The entire structure is approximately 950' in length, including a 175' plate girder main span over Randall Road. Other bridge units will be multiple span steel beam bridges. One unit employs curved beams on a reverse curvature alignment. The bridge alignment located on the north side of Silver Glen Road connects the Randall Road bike path on the southwest corner of the intersection to the Fox River Trail at the northwest corner.

Fox River Trail Bridge and Bicycle Path, Aurora, IL
Phil served as the Construction Manager on this project which consisted of 2,260 feet of new pedestrian pathway and a four-span pedestrian bridge, the spans ranged in length of 40 feet to 175 feet, over the Fox River in Aurora Illinois. Project elements include a mechanically stabilized earth (MSE) retaining wall, a reinforced concrete retaining wall, modification of the existing North Avenue Bridge railing, storm sewers, pavement markings for a crosswalk and site restoration. Responsible for oversight of construction observation and inspection services including utility work coordination, pay estimates, change orders and project closeout in accordance with IDOT procedures.

Bolcum Rd. Bridge over Otter Creek, Ph. III, Kane County, IL
Phil served as the Construction Project Manager on this project involving the replacement of a 3-span continuous slab bridge in St. Charles Township. Responsible for oversight of construction observation and inspection services including utility work coordination, pay estimates, change orders and project closeout in accordance with IDOT procedures.

Old LaFox Road, Village of Campton Hills, IL
Trotter and Associates, Inc. completed the STP grant application in 2013 seeking $480,000 in STP funds for the Village through the Kane Kendall Council of Mayors. The project was placed on the Multi-Year B-List and TAI had coordinated with Council staff to move the project from the B-list to FFY 2016 for construction. TAI completed Phase I and II design with a target submittal date of pre-final plans and specifications to IDOT in early January 2015. The project was let in March 2016 and all work was completed by June 22, 2016. The project was completed ahead of schedule and under budget. Final quantities were submitted to the Contractor and the project closeout was completed in 30 days per IDOT guidelines. Old LaFox Road is a 1.14 mile long rural 2-lane road and the work consisted of removing 2-inches of the existing pavement surface, pavement patching, installing HMA binder and surface courses, installing new aggregate shoulders, pavement markings and additional signage to improve pedestrian safety at the Great Western Trail crossing.

Campton Hills Drive, Village of Campton Hills, IL
Trotter and Associates, Inc. completed the STP grant application on behalf of the Village and obtained $480,000 in STP funding in 2013 through the Kane Kendall Council of Mayors. Campton Hills Drive is a rural 2-lane road that was last resurfaced during the mid-1990's. TAI completed Phase I, II and III engineering on the project. The 1.45 mile long project consisted of removing 2-inches of the existing pavement surface, pavement patching, installing HMA binder and surface, aggregate shoulders, pavement markings and recessed pavement markers to improve safety. The project was designed during the winter of 2014, let in June 2014, was constructed on time, and within budget in August & September of 2014.

Lenard Lynn, CPII



Qualifications
Mr. Lenard Lynn is an APWA Certified Public Infrastructure Inspector (CPII) with 32 years of experience working in both the public and private sector. Lenard has 24 years of experience with the development process including the construction oversight of numerous subdivisions and site development projects. Lenard also has over 8 years of experience in the public sector specifically on municipal and transportation projects.

Education
Lewis and Clark Technical School
Harper Community College
Lake Land Community College

Certifications
APWA Certified Public Infrastructure Inspector (CPII)
IDOT Aggregate Technician
IDOT Hot Mix Asphalt Level I
IDOT, ICORD 2006001
IDOT Documentation No. 12-0020
IDOT Construction Material Inspection

City of North Chicago – 2015/2016 Street and Water Main Program
Construction Observation. Performed construction observation for the City of North Chicago's 2015-2016 streets rehabilitation and water main replacement program. Work included water main replacement for 6,100 feet of existing 6-inch, 8-inch and 12-inch water main and designed street rehabilitation for 8,900 feet of streets ranging from grind and overlay to rubblization of existing concrete bases of select streets.
Work included raised island removal at Dugdale Road and Argonne Drive, conversion of concrete medians into landscaped medians, ADA compliance for curb ramps, curb and gutter replacement and surveying. Funding sources for the project were CDBG and MFT.

Village of Mundelein– Butterfield Road Sanitary Sewer
Construction Observation. Performed construction observation and oversaw testing of the Butterfield Sanitary Sewer from Greenleaf Drive to Innovation Road. Project included 900 feet of sanitary sewer that was installed in an easement located adjacent to the right-of-way.
Coordinated inspections with Lake County Public Works who took over ownership and maintenance of the sewer. Work was completed with local funds.

Village of Union - 2012/2013 MFT Programs.
Construction Observation. Oversaw construction for the Village of Union's 2012/2013 Motor Fuel Tax Improvement Projects. The 2012 project included overlay of reaches of Depot Street, Park Street and O'Cock Road. The scope of the 2013 project included the rehabilitation of Washington Street along with the adjustment of utilities. In addition, TAI successfully coordinated the construction activities to avoid conflicts with school bus traffic.

Illinois American Water Company – Route 7/159th Street Watermain and Sanitary Improvements
Construction Observation. Oversaw the relocation of Illinois American Water's water main, sanitary sewer and forcemain along a 3.5 mile stretch of roadway in Homer Glen prior to IDOT roadway improvements. Installation methods included open cut as well as directional drilling to avoid excessive disturbance to traffic and the surrounding area.

Martin Dopke, CPII



Qualifications
Mr. Martin Dopke is an APWA Certified Public Infrastructure Inspector (CPII) with 38 years of experience working in both the public and private sector. Marty has been involved land development and capital improvement projects. These projects have included a broad range of civil engineering improvements including but not limited to roadways, parks, storm and sanitary sewers, stormwater management, and mass grading. Marty has worked with Project Engineers, Land Planners, Land Surveyors, Construction Managers, Private Developers and Government Officials, in the completion of a variety engineering projects, residential, commercial and municipal in nature.

Education
Elgin Community College

Certifications
APWA Certified Public Infrastructure Inspector (CPII)
IDOT MUTCD
IDOT PC Paving
IDOT Documentation
IDOT Hot Mix Asphalt

Village of Algonquin – Indian Grove Subdivision Roadway Reconstruction
Construction Observation. Trotter and Associates, Inc. provided construction observation services to the Village of Algonquin for the construction of the Indian Grove Subdivision Roadway Reconstruction. The Indian Grove Subdivision roadway project consisted of the reconstruction several roadways including Hubbard St. (from bike trail west), Cherokee, Oceola, Navajo, & Iroquois (approx. 4,100 ln ft.), as well as the resurfacing and concrete rehabilitation on Hubbard St from bike path crossing to IL Rt. 62 (approx. 2,100 ln ft.).
The project consisted of tree removal, 2,700 feet of new storm water conveyance system (12" to 30" RCCP), curb & gutter installation, and full reconstruction of the pavement, as well as other typical roadway project tasks.
Full time construction Inspection Services included the documentation of a work performed by the contractor, as well as the attempt to resolve errors, omissions, and oversights found in the plans and specifications, attended bi-weekly construction meetings and inspected traffic control devices daily.

City of Warrenville – Warren Avenue Watermain Extension
Construction Observation. TAI completed Plans, Specifications and Estimates (PS&E's) and performed construction observation for the Warren Avenue water main extension project. TAI designed a 1,500 foot long 8- inch PVC water main extension down Warren Avenue from Rogers Avenue to Warrenville Road. The water main was installed by directional drilling and all open cuts for connections and services in the roadway were temporarily patched and then resurfaced through the annual MFT program.
Originally, the water main was to be constructed using open cut methods due to the anticipated soils being cobble and running sand. Once the soils report returned findings of cohesive soils to a depth of 8 feet, it was decided to directionally drill the water main to reduce impacts to the travelling public and the neighborhood. Work included installation of fire hydrants, IEPA permitting, and surveying.

City of St. Charles – North Tyler Road Watermain Replacement
Construction Observation. Performed construction phase engineering services for the replacement of approximately 2,100 LF of watermain along North Tyler Road in the City of St. Charles. Watermain was completed with local funds. The resurfacing of the street was completed as part of the annual MFT program.

Thomas Cichowski, CPII P.L.S.



Qualifications
Mr. Thomas Cichowski is a professional land surveyor and construction inspector with 38 years of experience working in both the public and private sector. He has his certification as a Certified Public Infrastructure Inspector and certified in the Documentation of Contract Quantities through the Illinois Department of Transportation.

Education
A.S., Civil Engineering
Triton Community College

Registration
Professional Land Surveyor, P.L.S., Illinois
Certified Public Infrastructure Inspector (APWA)

Certifications
APWA Certified Public Infrastructure Inspector CPII
IDOT Hot Mix Field Inspection
IDOT Documentation of Contract Quantities

Illinois American Water – South Beloit Watermain Improvements: 2014
Tom was the primary inspector on two concurrent watermain projects completed in the City of South Beloit for Illinois American Water Company. This project included directional drilling of HDPE underneath IL Route 2 as well as open cut installation within the pavement on IL Route 75. Tom has also assisted on other ILAWC projects.

Village of Algonquin – Indian Grove Improvements and Esplande Site Development
Tom is a pre-approved inspector for the Village of Algonquin and has served as a secondary inspector for the Village of Algonquin public and private improvements. Due to his workload, Mr. Cichowski has been limited to serving as a substitute when the primary inspector has a conflict. Tom has completed approximately 200 hours of inspection for the Village since late fall of 2012.

City of St. Charles – North 5th Avenue Watermain Replacement
Construction Observation. Oversaw the installation of 1 mile of 10" HDPE water main. The water main was installed using directional drilling methods. Additional work included service installations, ADA compliance, curb and gutter, sidewalk and resurfacing of the roadway. Funding for the project was done through an IEPA low interest loan.

Collector Streets Resurfacing – City of Elgin
Construction Observation. Oversaw construction for the resurfacing and rehabilitation of 2.83 miles of streets. The areas included the neighborhoods of Northwest Business Park, Randall Ridge, Slough Business Park, Valley Creek, and Wauchope. The resurfacing work consisted of HMA surface removal, pavement patching, removing/replacing sidewalk ramps to meet ADA requirements; curb removal/replacement; installing HMA binder and surface courses; pavement markings and restoration work.

James McKenzie, PLS



Qualifications
Since joining Trotter and Associates, Inc. Mr. McKenzie has served as the Director of Land Surveying. With a degree specializing in land surveying, he has extensive experience in surveying, cadastral surveys, route surveys, environmental surveys and construction layout for commercial, industrial, residential and roadways Mr. McKenzie has successfully managed and surveyed countless high profile projects with challenging deadlines and has an approach that focuses on hard work through planning, communication and teamwork.

Education
Bachelor of Science, Engineering and Technology,
Southern Illinois University-Carbondale (1986)
Associate of Arts and Sciences, Pre-Engineering,
Waubonsee Community College (1984)

Professional Registrations
Licensed Professional Surveyor, Illinois No. 035-003247 (1998)

DuPage County: Design and grade separation surveys, Plat of Highways, right-of-way surveys.

Kane County DOT: Phase III construction survey of County Highway 10 (Main Street) at Nelson Lake Road. This project consisted of adding turn lanes to the T intersection for the westbound and northbound lanes and resurfacing of the entire project length.

Kane County DOT: Performed professional land surveying services as the "On-Call" Land Surveyor from Spring 2012 through Summer 2014.

Kane County DOT: Right of Way and Topographic Survey of Montgomery Road from IL Route 25 to Hill Ave/ US Route 30 along with portions of Douglas Ave/ Road in southeastern Kane County.

Lake County DOT: Right-of-Way and Topographic Survey of Gilmer Road and Midlothian Road in Hawthorn Woods.

Lake County Stormwater Management Commission: Survey of the 36-square mile Sequoit Creek watershed for hydraulic modeling.

IDOT: Plat of Highways, design surveys and construction layout.

U. S. Army Corps of Engineers: Hydrographic and topographic survey of the Chicago River locks and turning basin.

CNRR Mulford Road Drainage Investigation: Topographic and Forensic Survey of the Canadian National RR and the Union Pacific Railroad right-of-way and surrounding drainage basins and tributary drainage areas (850 Ac) for NTSB docket DCA09MR006.

Union Pacific Railroad/ High Speed Rail Chicago to St. Louis: Topographic surveys of existing utility locations for bridge and track siding designs from Joliet to Alton, IL.

CSX Transportation: Rail design, bridge clearance and topographic surveys and construction layout.

Chicago and Northwestern Railroad: Design, right-of-way, and topographic surveys.

Experience

Project / Client	**Old LaFox Road LAFO / Village of Campton Hills**
Scope of Work / Contractor / Client POC	Trotter and Associates, Inc. completed the STP grant application in 2013 seeking $480,000 in STP funds for the Village of Campton Hills through the Kane Kendall Council of Mayors. The project was placed on the Multi-Year B-List and TAI has been coordinating with Council staff to move the project from the B-list to FFY 2016 for construction. TAI is completed the Phase I and II design with a submittal date of pre-final plans and specifications to IDOT in early January 2015. All work was completed in accordance with IDOT design guidelines for a project with federal funding. Old LaFox Road is a 1.14-mile-long rural 2-lane road and the proposed project consisted of removing 2-inches of the existing pavement surface, pavement patching, installing HMA binder and surface, aggregate shoulders, pavement markings and recessed pavement markers to improve safety. Geneva Construction, Aurora, IL Ron Searl, Village Administrator (630) 584-5700
Project Team	Phil Kazimier – Project Manager/Construction Observation Jim McKenzie, PLS - Survey
Construction Cost / Fee / Year	$450,000 / $58,000 / 2016
Project / Client	**2016/2017 Collector Street Resurfacing Program / City of Elgin**
Scope of Work / Contractor / Client POC	TAI completed construction engineering services for resurfacing of streets in Elgin's Randall Ridge, Wauchope, Northwest Business Park and Slough Business Park neighborhoods for a total of 6 miles of resurfacing. Work included aggregate base repair, curb and gutter removal and replacement, and some parkway restoration. The resurfacing work consisted of HMA surface removal, pavement patching, removing/replacing sidewalk ramps to meet ADA requirements; curb removal/replacement; installing HMA binder and surface courses; pavement markings and restoration work. Arrow Road Construction, Mt. Prospect, IL Joe Evers, P.E., City Engineer (847)-931-5955

Project Team	Phil Kazimier – Project Manager Tom Cichowski – Construction Observation
Construction Cost / Fee / Year	$2.2 million / $257,000 / 2017
Project / Client	**2015/2016 Street and Watermain Program / City of North Chicago**
Scope of Work / Contractor / Client POC	TAI performed construction observation for the City of North Chicago's 2015-2016 streets rehabilitation and water main replacement program. TAI designed water main replacement for 6,100 feet of existing 6-inch, 8-inch and 12-inch water main and designed street rehabilitation for 8,900 feet of streets ranging from grind and overlay to rubblization of existing concrete bases of select streets. Work included raised island removal at Dugdale Road and Argonne Drive, conversion of concrete medians into landscaped medians, IDOT utility and IEPA permitting, ADA compliance for curb ramps, curb and gutter replacement and surveying. Funding sources for the project were CDBG and MFT. Lenny Hoffman, Wilmette, IL Ed Wilmes, Public Works Director (847) 596-8690
Project Team	Phil Kazimier – Project Manager Lenard Lynn – Construction Observation Marty Dopke – Construction Observation Jim McKenzie, PLS - Survey
Construction Cost / Fee / Year	$2.96 million / $206,000 / 2016



WASTEWATER RELATED IMPROVEMENTS

Capabilities

Wastewater Engineering Services

Trotter and Associates, Inc. has the wastewater engineering expertise required to resolve the complex issues brought on by increased development, changing regulatory environment, and aging infrastructure.



TAI is one of few firms that have direct experience with the planning, design, and construction of both membrane treatment systems and biological nutrient removal. While TAI is a local firm, a number of its projects have been nationally recognized. The Algonquin 5-stage BNR facility was highlighted by the USEPA during their 2010 Nutrients Symposium. In fact, Region V of the USEPA has declared this facility a "model" plant for future nutrient removal facilities. Similarly, the Village of East Dundee has been highlighted during conferences as the first facility to utilize membrane reactors for WAS thickening.

Trotter and Associates, Inc. staff are heavily involved in local, state, regional, and national organizations that specialize in wastewater collection, treatment, and disposal. TAI's staff has served in leadership roles within the Water Environment Federation and American Public Works Association. TAI's staff is currently leading WEF's Strategic Plan for "Utility of the Future", Flushables Taskforce, and the Young Professionals Service Project. In addition, TAI is closely aligned with the academic community and the Water Environment Research Foundation which is actively pursuing the development of treatment processes for the advancement of our industry.



TAI's professionals not only give papers at conferences and lecture at universities, but actively serve on the Boards and Committees within these organizations. TAI's professionals are helping to shape national policy as well as advance the best technologies, operational techniques, and management strategies for collection systems, treatment facilities, and watersheds. As such, our staff is on the leading edge of pending environmental legislation and advancements that assist our clients in meeting the demands of their community.

TAI has become highly respected for successfully planning, designing, and implementing a wide range of water and wastewater infrastructure solutions. Trotter and Associates, Inc. understands that each community's infrastructure is unique and that its design has been influenced by a variety of factors including the rate of development, regulatory issues, operational preference, as well as the preferences of prior engineering firms.

Aside from having experience with a variety of alternative solutions, TAI's professionals have a comprehensive understanding of the building blocks essential to design wastewater infrastructure

including:

- Biological, physical, and chemical processes for removal of contaminants and nutrients.
- Mechanical engineering for the selection, proper installation, and maintenance of systems.
- Hydraulic engineering to ensure operation over a wide range of conditions.

Facility and Master Planning

Trotter and Associates, Inc. has developed Wastewater Facility Plans for several communities in Northern IL. Our comprehensive approach consists of evaluating existing infrastructure, working closely with the operational staff, developing specific solutions, and preparing concise reports. The final report provides the elected officials, as well as the public, an assortment of information outlining the system's strengths, weaknesses, needs, and solutions, ultimately allowing the elected officials to make well educated decisions about future projects.



TAI organizes Wastewater Facility Plans in a progressive format that works well with the IEPA low interest loan program. The first section provides a general introduction and historical background for the community's wastewater system. The second section is dedicated to projecting future flow conditions based on land use as defined in a Comprehensive Plan. The third section is committed to review of the collection system. The fourth section is dedicated to evaluation of the existing lift stations. The fifth section provides analysis of the existing treatment facility. The sixth section develops and evaluates treatment alternatives to address expansion, regulatory, and rehabilitation issues. The seventh section determines environmental impacts of the proposed improvements. The final section summarizes the recommendations, associated costs, implementation schedule, and provides suggestions for user rates and connection fees.



Wastewater Treatment Plant Design

TAI's wastewater treatment team is experienced in all aspects of the treatment process, including BNR treatment, anaerobic and aerobic digestion, membrane thickening, and filter press or centrifuge dewatering facilities. Trotter and Associates, Inc. even has experience with the new chlorides standards. The staff works closely not only with the client, but also with several manufacturers to fully understand the requirements of each piece of equipment. By integrating the manufacturer into the design team, each entity understands the project's objectives and constraints. TAI's process engineers have extensive experience in physical, biological, and chemical treatment of a variety of wastewater treatment processes.



In addition to being well versed in design, TAI's specialized staff also participates in technical seminars, postgraduate studies, and continuing education programs to continue to stay on the leading edge of technology and advancement of the rapidly changing wastewater industry. The Staff's ongoing training enables TAI to make recommendations based on the most current technology – which we have found to be a clear advantage for our clients. TAI recognizes that future regulations and expansion cannot be ignored during the design process. TAI is known for demonstrating the ability to incorporate future modifications and expansions into the design.

Lift Station Design

Trotter and Associates, Inc. is proficient in the design of new wastewater lift stations and the rehabilitation of existing pump stations. The TAI staff can assist an owner in identifying potential problems, and in the design and construction of a viable lift station solution. During the preliminary investigation, TAI's staff will evaluate the current and future conditions and perform a site visit. The design process is performed in an iterative method to identify the most appropriate and effective solution. During the design process, TAI staff works closely with both the owner and several manufactures to fully understand the equipment capabilities. TAI is known to continue the same level of relationship with the owner and manufacturer throughout construction.





Sanitary Sewer Design

The TAI staff has completed numerous collection system projects including force mains and gravity sewers. Design and construction phase engineering requires experience, attention to details and open communications with the owner to ensure that the finished product meets

the owner's expectations. The clarity and accuracy of TAI's construction documents result in tighter bids and minimal change orders. As a result, TAI is able to assure its clients that projects will remain within budget and be completed on schedule.

CMOM Program Development

Trotter and Associates understands the complexities with developing and implementing a CMOM program. TAI staff understands the needs to comply with Special Conditions outlined in the NPDES as required by Illinois Environmental Protection Agency (IEPA).

Nationwide, the issue of aging infrastructure has become a hot topic of discussion. The failure of collection systems creates concerns regarding protection of the public health and preservation of the environment. The USEPA has determined that generally the owners of these collection systems (i.e. municipalities) have not reinvested into the systems at a sufficient rate to maintain their integrity. This lack of reinvestment has led to structural failures, basement backups, as well as the release of untreated/partially treated water into waterways that result in violations of the Clean Water Act.

In an effort to quantify and address collection system issues, the USEPA determined that it would utilize the NPDES permit system to compel communities to develop Capacity, Management, Operations and Maintenance Programs (CMOM). The Illinois Environmental Protection Agency (IEPA), has included special conditions within NPDES permit renewals which require the development of CMOM programs. These special conditions are descriptive but are not prescriptive with respect to all of the elements of the program, and how they are to be addressed. Therefore, each CMOM and the level of effort required is specific to the community. Most communities have ongoing collection system rehabilitation programs. These programs are likely consistent with the overall CMOM program objectives, but are typically not organized, documented, or include all of the elements required. The CMOM document includes the following components:

- CMOM program goals
- Staffing plans
- Records Management
- Emergency Response procedures
- Legal and administrative documents (rate ordinance, sewer ordinance, etc)
- Measures and activities (preventative maintenance, equipment, system map, recommendation for sewer wide capacity analysis)
- Design and performance provisions

Funding Experience

Through professional organizations such as APWA, Metro West Council of Governments, Lake County Municipal League, McHenry County Council of Mayors, DuPage Mayors and Managers, Northwest Municipal Conference, Trotter and Associates has established excellent working relationships with the federal, state and county elected officials. Since 2009, TAI clients received grant funding from the Illinois Department of Commerce and Economic Opportunity (Emergency Road Repair funds), Illinois Department of Natural Resources, IEPA, Lake County - CDBG funds, McHenry County - CDBG funds

for the rehabilitation of roads and infrastructure, as well as STP grant funding through the Kane Kendall Council of Mayors.

Illinois' State Revolving Fund is one of the most common methods of funding water and sewer infrastructure projects. The Trotter and Associates team has extensive knowledge of the loan program's operating procedures and will assist the Village with the project planning, environmental review, loan application, financial package, bid package, and a variety of legal documents required to obtain a loan agreement. SRF loan terms start at 20 years and current interest rates are 1.64% for drinking water loans and 1.75% for wastewater loans. Trotter and Associates also has the expertise to assist the Village during the construction phase with loan disbursements and close-out procedures. The loan program's procedures are multipart and typical submittal timelines can span over 12 months before construction commences

TAI State Revolving Fund Low Interest Loan Program Projects		
Year	**Community / Project**	**Loan Value**
1990 –1991	St. Charles / Sludge Handling Improvements	$4.7 million
1990 – 1992	Batavia / Wastewater Treatment Facility Improvements	$6.3 million
1991 – 1992	Batavia / First Street Pump Station – Phase I	$0.6 million
1995 – 1997	East Dundee / Wastewater Treatment Facility Expansion	$6.4 million
1996 – 1997	Maple Park / Wastewater Improvements – Phase I	$0.9 million
1996 – 1997	Maple Park /Wastewater Improvements – Phase II	$1.2 million
1999 – 2000	Batavia / Colonial Village Pump Station Improvements	$0.5 million
1999 – 2000	Batavia / First Street Pump Station Improvements – Phase II	$0.6 million
1999 – 2001	Batavia / Wastewater Treatment Facility Improvements	$10.1 million
1999 – 2001	St. Charles / West Side Water Reclamation Facility	$6.2 million
2001 - 2005	St. Charles / 2002 Nitrification Improvements	$9.8 million
2006 - 2007	East Dundee / Wastewater Treatment Facility Expansion	$7.0 million
2011 - 2012	St. Charles / Biosolids Facility Improvements	$9.5 million
2012 - 2013	Bartlett / Raw Sewage Pump Station and Sludge Dewatering	$2.5 million
2014 - 2015	St. Charles / Fifth Avenue Water Main	$2.5 million
2014 - 2015	Fox Lake / Holiday Park Water Tower and Water Main	$3.0 million
2014 - 2015	Wheaton / Wastewater Treatment Improvements	$12.0 million
2015 - 2016	Fox Lake / Tall Oaks Water Tower and Booster Station	$3.2 million
2016 - 2017	Batavia / Wastewater Treatment Improvements	$27.0 million
2017 - 2018	St. Charles / Wastewater Treatment Improvements	$17.0 million
2017 - 2018	Roselle / Wastewater Treatment Improvements	$3.0 million
Total Value – TAI Revolving Fund Loan Projects		**$134.0 million**
TAI America Reinvestment and Recovery Act Funded Projects		
Year	**Community / Project**	**Loan Value**
2009 - 2010	Port Barrington / Low Pressure Sewer System Phase II	$1.6 million
2009 - 2010	St. Charles / East Side and Riverside Lift Station	$2.7 million
2009 - 2010	DeKalb Sanitary District / Country Club Lift Station	$2.5 million
2009 - 2010	DeKalb Sanitary District / Biosolids Rehabilitation Project	$17.5 million
2009 - 2010	DeKalb Sanitary District / Gravity Belt Thickener Upgrade	$3.0 million
2009 - 2010	DeKalb Sanitary District / Tertiary Filter Building	$3.0 million
Total Value – TAI ARRA Projects		**$30.3 million**

Staffing

Name/Registration/Title	Years of Exp./ @Firm	IDOT/Municipal Project Experience
R. Scott Trotter, P.E. / President	28/18	• Board certified specialist in water/wastewater engineering by the American Academy of Environmental Engineers. • Experience in planning, design and implementation of wastewater infrastructure rehabilitation, expansion and process modification projects. • Involved with national policy initiatives including the USEPA integrated planning, nutrient planning, and WIFIA financing program. Resume attached.
Bob Benson, P.E./ Senior Project Manager	32/3	• Experience in evaluation, planning, design and construction of water and wastewater treatment facility improvements. • Experience includes implementation of BNR systems (including both Bio-P and Chem-P processes), as well as biological processes, Biosolids stabilization, and collection system experience throughout the northern Illinois area. • Responsible for designing Chem-P systems for the first phosphorus removal plant in Illinois, the McHenry South WWTP. Resume attached.
Chris J. Marschinke, P.E./ Project Engineer	8/8	• Completed planning, design and construction engineering services for Wheaton Sanitary District, DuPage County Public Works, and the Village of Bartlett. • Responsible for plan and specifications development. Resume attached.
Jerry M. Ruth, P.E./ Project Engineer	8/8	• Served as the resident engineer for the St. Charles East Side and Riverside Lift Stations. • Served as a design engineer for the St. Charles Headworks Rehabilitation.

		• Lead project engineer and resident engineer for the recently completed 2012 Main Plant Sludge Handling Building Improvements. • Lead project engineer for the City of Batavia's Phase I Rehabilitation (phosphorus removal). • Responsible for plan and specifications development, as well as coordinating with the ASME team. Resume attached.
Aaron P. Berry, P.E./ Engineer	4/4	• Responsible for managing the development of the CMOM programs for the Village of Crestwood and the Village of Fox Lake Northwest Regional Water Reclamation Facility. • Active member of the Central States Collection System Committee, (currently serves as co-chair). • NASSCO certifications in manhole, pipeline, and lateral inspections. Resume attached.
Jillian G. Kiss, P.E./ Engineer	5/5	• Extremely well versed in IEPA Low Interest Loan paperwork and has successfully completed loans for Batavia, Fox Lake, St. Charles, and the Wheaton Sanitary District. • Strong working relationship with IEPA Financial Assistance staff in processing loan paperwork. • Served as the design engineer and resident engineer for the City of Rochelle's Sludge Dewatering Improvements. • Instrumental in developing cost-effective evaluations for a number of odor control projects for the Fox River Water Reclamation District Resume attached.

Scott Trotter, P.E., BCEE



Qualifications
Mr. Trotter has over 28 years of experience in planning, design and implementation of water and wastewater infrastructure rehabilitation, expansion and process modification projects.

Education
B.S., Civil Engineering, University of Illinois- Urbana

Registration
Professional Engineer P.E., IL
American Academy of Environmental Engineers – **Board-Certified- Water / Wastewater Specialist**

Memberships
Water Environment Federation:
--Illinois WEA
--Central States WEA
American Water Works Association
American Public Works Association
Kane County Water Association
Illinois Association of Water Pollution Control Operators

Accomplishments
University of Illinois - 1999 Young Engineer Achievement Award
WEF - Achievement Award for Outstanding Service, 1997, 2002, 2006, 2008, 2010

Village of Algonquin – Phase 6 Expansion (5-Stage BNR)
The Village expanded its wastewater treatment facility from 3.0 MGD to 5.0 MGD. The overall project included Facility Planning, design and construction engineering. This was the first wastewater project in northern Illinois to be completed using the construction management delivery method. The overall improvements included upgrades to the raw sewage pump station, primary clarifiers, construction of a 5-Stage Bardenpho, tertiary clarifiers, and conversion of existing tankage to aerobic digestion.

Village of East Dundee – Phase II Expansion
TAI was approached by the Village of West Dundee seeking additional capacity to serve the growing community. TAI's team had designed and implemented the first expansion in the mid-1990's. This project included expansion of the headworks facility, construction of a second 3-ring oxidation ditch, and conversion of that process to biological nutrient removal, construction of tertiary clarifiers, and upgrades to the UV disinfection facility. The project also included expansion of the aerobic digestion system utilizing membrane thickening to minimize operational needs.

City of Batavia – Phase I Rehabilitation
The City received its NPDES permit which included Phosphorus limits. TAI completed the Facility Plan and Phosphorus Removal Feasibility Study, which included an evaluation of Bio-P and Chem-P alternatives to meet 1 mg/L and 0.5 mg/L. The Phase I Rehabilitation project included demolition of the existing administration building, construction of a new administration building, sludge handling building, chemical phosphorus removal, digester operations building, rehabilitation of the existing anaerobic digesters, and replacement of the excess flow disinfection system and SCADA improvements.

Scott Trotter, P.E., BCEE (Cont.)

Wheaton Sanitary District – Facility Plan, Intermediate Pump Station, Tertiary Filters
TAI completed the Wheaton Sanitary District's Facility Plan Update. The top priority was expansion of the intermediate pump station's capacity from 20 MGD to 40 MGD. TAI provided planning, design and construction engineering services for the expansion of the existing screw pump station, as well as increasing the capacity of the RAS diversion structure, RAS piping, and MLSS sewers. TAI is currently replacing the deep bed sand filters with disc filters. As part of this project, a hydraulic analysis of the entire facility is being performed to increase the plant's hydraulic capacity.

City of Rochelle – Sludge Dewatering Improvements
The City of Rochelle's facility had not been upgraded since the early 1990's. TAI performed a thorough evaluation of the existing process and the potential for implementing sludge stabilization facilities. The City currently disposes of its sludge within its landfill. The most cost effective solution was to simply dewater the waste activated sludge and continue landfilling. TAI planned, designed and installed two 150 gpm centrifuges and upgraded the aeration system with a 2,500 CFM turbo blower.

City of Harvard – 2015 Wastewater Master Plan
TAI addressed capacity needs and plant upgrades at the 1.8 MGD Harvard fixed-film plant, including cost effective comparison of chemical vs. biological phosphorus removal. The first phase will expand the plant from 1.8 to 2.5 MGD.

Northern Moraine MWRD – Aerobic Digester Upgrades and Facility Plan
The 2.0 MGD WWTP had not been upgraded since 1998. The existing aerobic digesters were the original packaged treatment facilities. Trotter and Associates gutted and rehabilitated the existing infrastructure, including structural modifications, new blowers, diffusers, and low-profile covers to increase the efficiency of the aerobic digestion process. The Facility Plan report updated past plans for current population and flow projections, and studied alternatives for phosphorus removal at the 2 MGD NMWRD single stage nitrification plant. This included cost effective comparison of chemical versus biological phosphorus removal. Based on the existing 2-ring design, the recommended alternative was to implement chemical phosphorus removal until the plant is expanded, at which time biological phosphorus removal would be implemented.

DeKalb Sanitary District – Facility Plan and Phased Expansion
TAI established a roadmap for the future of the District's plant. The facility utilizes both activated sludge and attached growth biological processes. The objective was to eliminate the attached growth process, and upgrade to nutrient removal process. TAI completed a conceptual design which includes an A^2O process, tertiary clarification, and UV. The first phase of the project included rehabilitation and upgrade of the four 55-foot diameter anaerobic digesters, construction of a new digester operations facility and a new solids handling facility, including WAS thickening and digested sludge dewatering.

Village of Hanover Park – Sludge Storage Facility
The Village's NPDES permit required that the community provide onsite sludge storage. The project included evaluation of the existing infrastructure, specifically the liquid sludge storage tanks, determining their capacity, and providing additional dewatered sludge storage onsite. The project included construction of a storage barn with underdrains and access suitable for semi-tractors.

Robert W. Benson, P.E.



Qualifications
Bob has over 30 years of experience in the Civil and Environmental engineering field of practice, specializing in water and wastewater. Bob has managed hundreds of water and wastewater infrastructure projects, including transmission mains, interceptor sewers, pumping stations, hydraulic studies, facility plans, water distribution and wastewater collection system master plans, and water treatment, wastewater treatment and sludge handling facilities.

Education
B.S., Civil Engineering
University of Illinois at Urbana-Champaign

MBA, University of Illinois at Urbana-Champaign

Registration
Professional Engineer P.E., IL
Professional Engineer P.E., WI

Memberships
American Water Works Association
WEF - Central States WEA

Village of Elwood, IL - Deer Run Water & Wastewater Infrastructure
Project manager for the design of the new wastewater collection system, water distribution system, deep well redevelopment, water treatment plant, wastewater treatment plant and outfall sewer to serve the Center Point Deer Run Industrial Park. The water and wastewater components represent $35 million dollars of the overall $950 million dollar industrial park and multimodal rail yard complex.

New York City, NY - Newtown Creek Water Pollution Control Plant
Project manager for the design of the 720 MGD preliminary sedimentation tanks at the Newtown Creek WPCP. To accommodate existing plant site constraints, the 239,000 square-foot preliminary tank structure supports a residuals handling building, two odor control facility buildings, an electrical building, a laboratory building and parking lots. The design also included modifications to expand the capacity of the existing influent pumping facility.

Plainfield, IL - North Wastewater Treatment Facility (Phase I)
Lead design engineer for the design of the new 3.5 MGD North WWTF. Treatment facilities at the new plant include raw sewage and return sludge pumping, screening, aeration, secondary clarification, ultraviolet disinfection, effluent metering, aerobic digestion, mechanical sludge thickening and dewatering, and dewatered sludge storage.

Medellin, Colombia, SA - San Fernando Wastewater Treatment Plant
Lead design engineer for the sludge handling facilities at the 60 MGD San Fernando WWTP. The sludge handling facilities included a sludge thickening and dewatering building, an energy recovery building, six 2.5 MGD egg-shaped anaerobic digesters and digester control building. Sludge thickening and dewatering was accomplished with centrifuges. Energy recovery was achieved through the use of digester gas to drive engine generators.

McHenry, IL – South WWTP Improvements
Project manager for design and construction of the Phase II (1.0 MGD Expansion and Sludge Handling Building), Phase III (1.5 MGD Expansion), and phosphorus removal improvements at the McHenry South WWTP.

Robert W. Benson, P.E. (Cont.)

City of Barrington, IL – Station Street Reservoir and Pumping Station Project Plan
The project comprised the preparation of a Project Plan in compliance with the IEPA's requirements to obtain a Revolving Fund low interest loan to fund proposed water system improvements. The project plan assessed current and future water infrastructure needs (supply, treatment, high lift pumping and storage). Necessary improvements were identified, opinion of capital costs were developed, and the improvements were prioritized for implementation over the 20-year planning period.

City of Belvidere, IL – West Hills Neighborhood Water and Sewer Master Plan
This project assessed the long-term infrastructure needs necessary for the 7,600 acre West Hills Neighborhood development. The planning efforts included the development of alternative utility systems to serve the area, the development of a phased implementation plan, preparation of cost estimates, and the allocation of costs between the various drainage basins within the study area based on the benefit provided to each basin.

Paddock Lake, WI – West Side Water and Sewer Master Plan
This project comprised long-term planning for water and sewer capital improvements necessary to serve 985 acres of new residential and commercial development, including a new municipal water supply, treatment and distribution system.

Buffalo Grove, IL
Project manager for the preliminary design of sanitary sewer, water main, storm sewer, roadway and street lighting infrastructure improvements necessary to bring the Dun Lo Highlands subdivision into compliance with Village Development Ordinance requirements.

Carol Stream, IL
Project manager for the study of existing and future conditions at the Water Reclamation Center. The study included an assessment of current and future waste loads and flows at the treatment plant and identification of necessary improvements to meet the future conditions.

Cary, IL
Project manager and design engineer for a 4.0 MGD sewage pumping station, an engine generator building, 2,100 feet of 14-inch force main, 2,240 feet of 30-inch and 3,650 feet of 24-inch sanitary interceptor sewer, and 4,250 feet of 12-inch water main through downtown Cary.

Crystal Lake, IL
Project manager and design engineer for a 1.2 MGD submersible sewage pumping station, including engine generator standby power facilities. Project manager and design engineer for approximately 7,000 feet of 8-inch sanitary sewer and 8-inch water main to provide service to the North Crystal Lake Park Beach subdivision.

Des Plaines, IL
Project manager for the design of three submersible sewage lift stations and force mains to replace the deteriorated existing facilities. The pumps discharge to the Metropolitan Water Reclamation District of Greater Chicago interceptor system.

Downer's Grove Sanitary District, IL
Project manager for the assessment of odor control techniques for installation at the District's sanitary sewage lift stations. The study included a review of the conditions which promote sulfide generation. Alternative odor control techniques were assessed for each facility, and preliminary layouts and cost estimates were prepared for the recommended alternative.

Chris J. Marschinke, P.E.



Qualifications
Chris is a graduate of Civil and Environmental Engineering program at the University of Illinois. Over the last 10 years, Chris has served as both a Design and Resident Engineer for Water/Wastewater projects. He is currently a lead project engineer for a number of TAI clients within DuPage County.

Education
B.S., Civil Engineering, University of Illinois at Urbana-Champaign

Registration
Professional Engineer P.E., IL

Memberships
Water Environment Federation
--Central States WEA
American Public Works Association
--Fox Valley Branch
--Chicago Metro Chapter
Kane County Water Association

Accomplishments
APWA Chicago Metropolitan Environmental Project of the Year- 2012, 2013, 2015

Village of Bartlett – WWTP Raw Sewage Pump Station
The improvements included replacement/rehabilitation of the raw sewage pump station. The overall project included structural rehabilitation of the wet well, replacement of all pumps, pipes, and valves within the dry well, replacement of the motor control center, and installation of VFDs and a PLC controller connected to the SCADA system.

During the rehabilitation of this pump station in 2013 it was noted that a significant quantity of rags and debris had built up in the wet well and influent sewer lines in the absence of preliminary screening and/or grinding. TAI assisted the Village with the engineering services for the design and installation of the new influent grinder. These improvements included installation of an inline hydraulic channel grinder and coarse bar screen.

DeKalb Sanitary District – Country Club Lift Station
This project included construction of a new regional lift station within the floodway. Improvements included construction of sanitary sewer, interceptor sewer and force mains. The lift station included a cast-in-place wet well with four submersible pumps, cast-in-place valve vault/operations building, which were designed to be flood-proof. The operations building included controls and VFDs, backup generator, flow monitoring, valves and piping.

Wheaton Sanitary District – Intermediate Pump Station
The Intermediate Pump Station Rehabilitation project included replacement of the existing screw pumps which convey primary effluent / RAS mixed liquor to the existing aeration basins. Additionally, this project included an expansion of the pump station to roughly twice its original capacity and construction of a new enclosure building for the equipment. The project included controls integration and automation.

City of St. Charles Water Model Updates & Development Reviews

- Water System Master Plan
- Delnor Woods Development Analysis
- McDonald's Watermain Relocation
- ISO Fire Suppression Rating Schedule Section 600
- Aquatic Center/IYC Development Analysis
- Red Gate Water Tower Analysis

Jerry M. Ruth, P.E.



Qualifications
Mr. Ruth has served as the resident project representative for several water and wastewater treatment facility upgrades. Jerry has been promoted to Project Engineer, responsible for coordinating and overseeing the study and design of treatment facility rehabilitations and upgrades for several facilities along the Fox River.

Education
B.S., Civil Engineering, Purdue University

Registration
Professional Engineer P.E., IL

Memberships
Water Environment Federation:
--Illinois WEA
--Central States WEA
American Water Works Association
Fox Valley Operators Association
--Conference Committee Chairman

City of Batavia – 2012 Facility Plan & Phase 1 Rehabilitation
The City of Batavia requested a conceptual design for rehabilitation, expansion and process upgrades to the existing WWTF. Analysis included a thorough evaluation of Bio-P and Chem-P alternatives to meet 1 mg/L and 0.5 mg/L including incorporation of a temporary IFAS system due to the limited capacity of the aeration basins. Phase 1 improvements include construction of chemical addition facilities for phosphorus compliance, rehabilitation of the excess flow disinfection facilities, rehabilitation of the anaerobic digesters, construction of a Digester Operations Building, and construction of a new Mixed Liquor Pump Station. The project also includes demolition and replacement of the existing administration, laboratory and maintenance facilities. The new facilities will be constructed at the north end of the site in a building that will also contain new sludge dewatering operations. Jerry is the lead project engineer, and is currently managing the project design, IEPA Loan financing, permitting, and coordination with HDR for A.S.M.E. services. Phase I began construction in August of 2017.

City of Clinton, Iowa – Clinton Regional Wastewater Reclamation Facility
A new plant was needed to eliminate NPDES permit violations from the existing treatment facility. Completed design was submitted to the IDNR on 10/31/2009 for issuance of a project construction permit. The project included construction and start-up of a new WWTP and related infrastructure under a tight and strict schedule.

City of St. Charles – 2014 Facility Plan and Phosphorus Removal Feasibility Study
The City of St. Charles received its draft NPDES permit which contained special conditions to upgrade the facility for phosphorus removal. The Project includes a comprehensive evaluation of the existing collection system, lift stations and treatment facilities. The project is specifically focused on upgrade of the Main WWTF for phosphorus removal, including modeling of the biological process with Bio-win. Alternatives include BNR as well as Chem-P jar testing with Ferric Chloride and Alum to meet 1.0 mg/L and 0.5 mg/L.

Aaron P. Berry, P.E.



Qualifications
Aaron is a graduate of Civil Engineering program at the University of Dayton and a strong member of TAI's Water / Wastewater Division. Mr. Berry is currently serving as the **CSWEA Collection System Membership Committee Chair, and sits on the Collection System Committee**. Aaron is also the Vice-Chair of WEF's Membership Committee.

Education
B.S., Civil Engineering, University of Dayton
Graduate-Level Geographical Information Systems (GIS) Certificate

Registration
Professional Engineer P.E., IL (062-069106)

Memberships
Illinois GIS Association
American Public Works – APWA
Water Environment Federation
- Membership Committee Vice-Chair

Central States WEA
- Collection System Committee Chair
- Membership Committee Chair

Certifications
NASSCO Manhole Assessment Certification Program – MACP
NASSCO Pipeline Assessment Certification Program – PACP
NASSCO Lateral Assessment Certification Program – LACP

Wheaton Sanitary District – Intermediate Pump Station
The Intermediate Pump Station Rehabilitation project includes replacement of the existing screw pumps which convey primary effluent / RAS mixed liquor to the existing aeration basins. Additionally, this project included an expansion of the pump station to roughly twice its original capacity and construction of a new enclosure building for the equipment. The project included controls integration and automation.

Northwest Regional Water Reclamation Facility (NWRWRF) – Satellite Community CMOM Plan
As part of the new permit issued to the NWRWRF, a Special Condition was added requiring a CMOM Plan to be developed. TAI assisted the NWRWRF in the compilation, organization, of the report to be submitted to the IEPA. The project is currently underway and is anticipated to be submitted to the IEPA in January 2016.

Wastewater Master Planning – Capacity Analysis
For several communities, TAI evaluated the existing collection system. During the evaluations, GIS data played in integral part in dividing up the drainage basins for analysis. TAI paired the GIS data with billing data to develop a wastewater per capita number. This number was used to evaluate the existing collection system capacity during both dry and wet weather events.

Village of Oakbrook – Water Master Planning & Hydraulic Modeling - The Village requested TAI to prepare a Water System Master Plan. This plan will generally include three main tasks; creation of a new hydraulic model of the existing system, utilization of the hydraulic model to provide recommendations for distribution system replacement and improvements, as well as to provide conceptual level design of recommended improvements to the water system, including SCADA upgrades. TAI completed the fire flow testing and developed the water model for the entire system.

City of St. Charles- 2014 Water Model and ISO Rating Update Project included recreation of the Water Distribution Model from GIS using WaterCad V8i and incorporating data from the City of St. Charles upgraded GIS system. The project also included performing a complete analysis of the water system to document its capacity with respect to the City's ISO rating.

Jillian Kiss, P.E.



Qualifications
Jillian's education focused on water and wastewater treatment processes as well as hydrology and water resources. She is heavily involved in the development of pretreatment and CMOM programs for several communities. Jillian received her professional engineering license in the state of Illinois.

Education
B.S., Civil Engineering, University of Illinois Urbana-Champaign

M.S., Environmental Engineering, University of Illinois Urbana-Champaign

Registration
Professional Engineer P.E., IL

Memberships
Water Environment Federation:
Central States & Illinois WEA
American Water Works Association
American Public Works Association

Village of Algonquin – Wastewater Facility Plan
This facility planning project included a thorough evaluation of the Algonquin collection system, lift station, and treatment plant. Future population projections and wastewater flows were updated based on current land use planning. Alternatives to meet future flow and regulatory requirements were evaluated including enhancement of the biological phosphorus removal process and improvements to the aerobic and anaerobic digestion processes.

East Dundee - Wastewater Facility Plan
Project included evaluation of the collection system, lift stations, and wastewater treatment plant. The analysis focused on improving efficiency of the biological nutrient removal facilities, aerobic digestion system, and dewatering improvements.

East Dundee – Water Master Plan
Project included development of Water Master Plan for the Village including modeling and evaluation of the distribution system, water supply evaluation, water treatment analysis and optimization as well as evaluation of existing and required water storage facilities.

City of Rochelle - Biosolids Dewatering Improvements
Project included evaluation of alternatives for centrifuge dewatering including pilot testing. The improvements include installation of two 150 GPM centrifuges, a 42,000 lb-per-day conveyor system, polymer upgrades, sludge pumping upgrades, MCC replacement and SCADA system improvements.

Village of Fox Lake – Water and Sewer System Overview and Operations Manual
Project included evaluation of the existing infrastructure including two water systems, two collection systems, and one wastewater treatment plant. The project was intended to document the existing conditions, operational strategy, policies and long-term needs for capital improvements of the existing infrastructure.

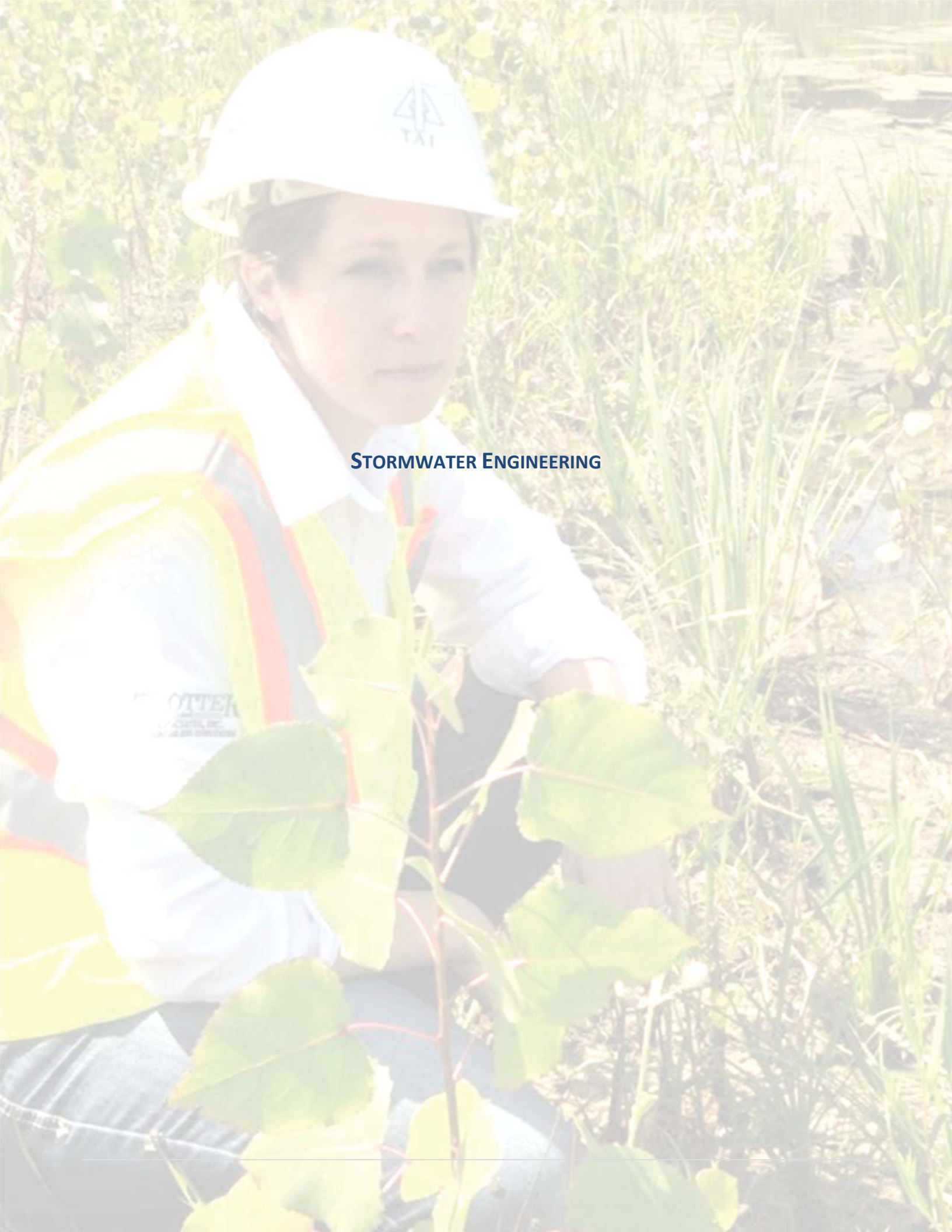
Experience

Project / Client	**2013 Facility Plan & Tertiary Filtration Study / Wheaton Sanitary District**
Scope of Work / Contractor / Client POC	In 2012 the Wheaton Sanitary District selected five engineering consultants to evaluate different unit processes throughout the wastewater treatment facility in order to determine the best fit consultant for future District projects. Trotter and Associates was tasked with the evaluation of the existing **Tertiary Sand Filter process**. This comprehensive evaluation included four alternatives: replacement of the process in kind (HydroClear Sand Filters), externally fed disc filters (Aquaerobics), internally fed disc filters (Krueger), or a deep-bed continuous backwash system. The analysis included interviews with all manufacturers, as well as development of conceptual designs and cost estimates for implementation. The final report included an analysis of capital costs, operational costs, and non-economic factors. The data was evaluated through a decision matrix, and the District ultimately selected the internally-fed disc filter alternative to be incorporated into future improvements. Following the 2012 consultant trials, Trotter and Associates was the consultant selected to consolidate the findings from the 2012 evaluations to develop a Facility Plan Update and Capital Improvements Program. TAI worked closely with the District to prioritize the recommended improvements, develop a cash-flow analysis, and complete the Facility Plan in accordance with the Illinois EPA low-interest loan requirements. The Facility Plan was submitted in the fall of 2013 and has been approved by the Illinois EPA. This facility plan outlined the long-term objectives of the Wheaton Sanitary District, including implementation of a **nutrient removal program plan**. Future improvements to the District's facility will include implementation of the Johannesburg process with sidestream treatment to meet effluent limits of 6-8 mg/L total nitrogen, and 1.0 mg/L total phosphorus. Accommodations were also included to allow for construction of a full five-stage Bardenpho process to reach 3.0 mg/L total Nitrogen and 0.5 mg/L total phosphorus when regulations for each are imposed. Additional provisions for chemical polishing nutrient removal will allow the District to meet low-low limits (i.e. < 0.5 mg/L phosphorus). Tertiary Filter Contruction began in July of 2017. Joseph J. Henderson & Son, Inc., Gurnee, IL Steve Maney, PE - Executive Director (630) 668-1515
Project Team	Scott Trotter – Project Manager Chris Marchinke – Project Engineer

	Aaron Berry – Engineer Jillian Kiss – Engineer/IEPA low-interest loan coordination and processing
Construction Cost / Fee / Year	$5.54 million / $474,000 / 2017
Project / Client	**2014 Facility Plan / Phosphorus Removal Feasibility Study & Plant Upgrades / City of Batavia**
Scope of Work / Contractor / Client POC	The City of Batavia owns and operates a 4.2 MGD conventional activated sludge wastewater treatment facility. The plant was originally constructed in 1935 and has been expanded numerous times over the life of the facility. Scott Trotter has worked with the City of Batavia on wastewater projects since 1990. In 2008, TAI completed a Wastewater Master Plan Update that outlined the City's short and long term needs with respect to expansion, rehabilitation and regulatory upgrades. In 2012, TAI updated the plan and evaluated emerging technologies and alternative conventional processes to meet the City's needs. Previous reports had established that expansion was necessary, and therefore the plant would need to remove total nitrogen due to anti-degradation requirements. Numerous configurations were considered for BNR including A^2O, Bardenpho, UCT and MLE processes. The City of Batavia's treatment facility is "land locked" and the detention time required to achieve **BNR within the existing tankage prompted the team to analyze Integrated Fixed Film Activated Sludge (IFAS) and lysis technologies to reduce footprint and sludge production.** In 2014, the City elected to pursue acquisition of additional property and move forward with a conventional 5-Stage Bardenpho process due to its robust nature and ability to meet future limits. During the due diligence, the Illinois EPA and the Fox River Study Group (FRSG) arrived at consensus with respect to NPDES permit language regarding future nutrient limits. The permit language requires POTW's to complete a Phosphorus Removal Feasibility Study for meeting permit limits of 1.0 and 0.5 mg/L total phosphorus (TP) as well as design and construction of the necessary improvements for 1.0 mg/L within 54 months. Due to the compliance schedule and other issues identified during due diligence, the City determined that land acquisition was not practical and directed TAI to proceed with design of the on-site alternative. The proposed design will allow for construction in phases. **Phase I will include Chem-P to meet the interim 1 mg/L TP standard. Phase II will incorporate a Bardenpho process (likely incorporating the IFAS technology).** Phase III will allow for construction of tertiary filters which can be used with process or excess flow.

	Design of the Phase I Improvements is underway and includes completion of the Phosphorus Removal Feasibility Study. Previous reports had provided a thorough analysis of BNR technologies and selected the 5-Stage Bardenpho Process. This work will be incorporated into the study with respect to the Present Worth Analysis. However, due to the dates within the compliance schedule, the City will be using Chem-P at the conclusion of Phase I. TAI is working with the City and Suburban Laboratories to complete jar testing and determine the dosage requirements necessary for meeting the 1.0 mg/L and 0.5 mg/L TP limits. Due to the presence of a split hydraulic profile and the need to replace existing basins, TAI is working with the City during the preliminary design to determine the most practical configurations of the selected 5-stage biological process. The design concept proposed in the Facility Plan includes construction of new basins at the same hydraulic grade as the basins to be replaced. The design would maximize the capacity of the existing basins. The standard 5-Stage Bardenpho requires 14 hours detention time. At 4.9 MGD, the existing aeration provides 2 hours detention, and the nitrification basins only provide 5.4 hours detention. Therefore, the proposed basins would need to provide an additional 6.6 hours. This option requires an Intermediate Pump Station able to convey peak wet weather flow, RAS, and the internal recycle flow totaling 40 MGD. If the layout did not require pumping of the internal recycle flow, power consumption would be reduced by roughly 300 HP, saving over $140,000 per year. The first alternative includes construction of the new basins at a higher hydraulic grade line. The second alternative considered construction of new 30–foot deep (tall) basins to provide the entire capacity and simplify the hydraulic profile. The third alternative revisited installation of a permanent IFAS system as proposed within the 2008 Facility Plan. The 30-foot Deep Basin and the IFAS design are the leading contenders. Both are innovative and resolve the hydraulic issues. The final alternative selection will be made during the preliminary design of Phase II. Construction began August 2017 Williams Brothers Construction Inc., Peoria, IL Byron Ritchason, Wastewater Superintendent (630) 879-1424
Project Team	Scott Trotter – Project Manager Jerry Ruth – Project Engineer Jillian Kiss – Engineer/IEPA low-interest loan coordination and processing

Construction Cost / Fee / Year	$26.2 million / $2 million / 2017



STORMWATER ENGINEERING

Capabilities

Drainage & Stormwater Management



Trotter and Associates staff is highly skilled in the technical and non-technical aspects of stormwater engineering and floodplain management. Our staff has obtained numerous certifications, including Certified Floodplain Manager credentials by the Association of State Floodplain Managers for work in our region's flood-prone areas. Currently, **Dale Marting carries the CFM and CSM certifications**. TAI has completed all facets of planning, design, permitting and construction oversight of stormwater projects ranging from simple parcel-scale stormwater Best Management Practices (BMPs) to watershed projects located in Hanover Park such as Dartmouth Creek and Longmeadow Lane culvert improvements.

Trotter and Associates is well respected by regulatory agencies, and is able to readily resolve hurdles associated with permitting. TAI also has an excellent relationship with local communities and is confident in our ability to resolve/negotiate offsite stormwater issues. TAI is noted for submitting complete and thorough permit applications obtaining very timely permits from regulatory agencies, normally with the first or second submittal.



TAI has implemented a variety of detention/retention design alternatives including sub surface storage. The construction cost, environmental benefits and long-term maintenance costs for each alternative should be reviewed during the conceptual design phase to determine the best alternative for each specific project.

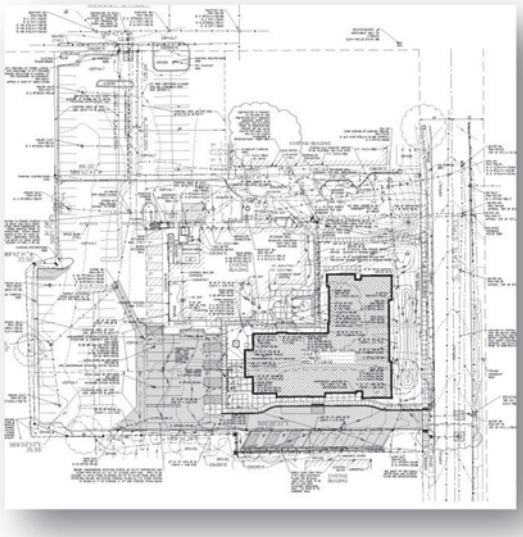
The project team has also completed projects involving the protection, remediation and mitigation of existing wetlands, and special management areas. TAI is able to address drainage concerns and permitting issues within these protected areas. Trotter and Associates is also familiar with the maintenance requirements including annual burns, silt removal and rehabilitation of inlet and outlet structures.

Subdivision and Development Review

Development and building permit review require the involvement of a municipal engineer that has a strong understanding of the governmental ordinances and procedures, the necessity for proactive guidance, an

eye for detail, and the ability to ensure the resulting improvements meet the end user's needs. TAI retains staff that has municipal work experience as both a consultant and a municipal employee. With our staff's previous experience in communities such as Harvard, Ringwood, Union, McHenry, Lake in the Hills, Richmond, Spring Grove, Johnsburg, St. Charles, Elgin, Winfield, Elburn, Carpentersville, North Chicago, Campton Hills and North Aurora, TAI can provide effective and efficient development review. TAI knows the importance of maintaining clear lines of communication between all parties and during all phases of the project.

While every development must meet the basic requirements of the municipality's ordinances, each property is unique and should be developed in a manner so it works harmoniously with the surrounding properties. It is imperative that the developer is responsible for all improvements to serve the proposed development, whether it be sanitary sewer, water distribution, or roadway improvements. This allows a community to develop and expand while incurring the minimum costs associated with the growth.



Trotter and Associates staff has the experience and skill to represent our clients during each phase of development. TAI is regarded as a municipal engineer that has a willingness to work with development and not be an obstructionist.

Project Approach

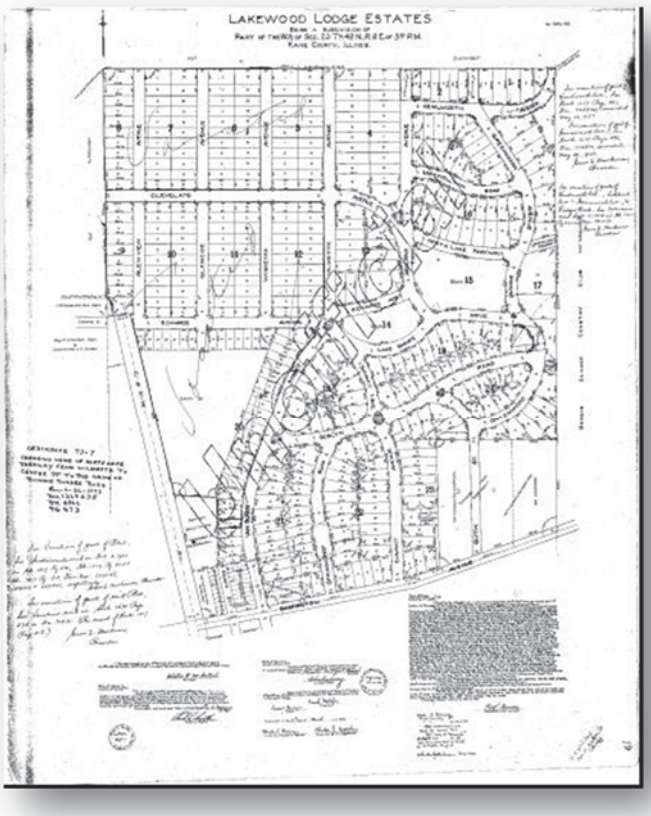
Concept and Preliminary Plat

During the conceptual planning for property and annexation agreements, Trotter and Associates has the foresight to advise our municipal clients to ensure the community is compensated for the impacts of the development. We provide solutions that meet our client's ordinances and needs, while allowing the developer to provide a product which serves the community. Since nearly all development projects result in the addition of municipally owned infrastructure, TAI assures that these improvements are not only built in accordance with ordinances, but are also readily accessible and easily maintained.

During the Preliminary Plat Phase, TAI will ensure that the plat meets with the municipality's ordinances and identifies potential issues. Although this phase is not intended to provide minute details, it lays the framework and provides an understanding of what will be expected of the applicant. Through providing a comprehensive review on a timely basis, staff and elected officials will be able to make informed decisions regarding approval of the proposed development. TAI is also available to play as active or passive a role per the client's direction. We feel that it is important to make ourselves available for all municipal meetings and have the ability to provide on the spot answers and explanations.

Final Plat

The Final Plat Phase allows the applicant to move from a conceptual plan to comprehensive engineering plans. Trotter and Associates expedites this process by stressing open lines of communication between the municipality and the applicant. TAI plays an active role by insuring that the applicant has a comprehensive collection of requirements and specifications. This allows the applicant to include these requirements within their original submittal.



While completing the Final Plat review, it is the duty of the engineer to make sure that the applicant has submitted a complete and accurate set of engineering drawings. TAI gains a thorough understanding of the municipal ordinance and then combines this with good engineering judgment to compile an engineering review letter. Often times this includes gathering feedback from the public works and building departments and relaying these comments to the applicant. TAI provides comprehensive review letters to the applicant and stresses the importance of face to face meetings to resolve conflicts.

Construction Phase

During the construction phase, routine inspections need to be made to ensure that the public improvements are in accordance with the project documents, local ordinances and sound construction practices. Trotter and Associates' experienced professionals are available to certify the work. Inspection services for utilities include installation review, pressure testing, and mandrel testing for sanitary sewers. Inspection of water mains includes installation review, hydrostatic testing, checking hydrants and fire flow tests. Pavement inspection includes proof roll of the sub-base, granular base and density testing of the bituminous base and surface course. TAI also performs inspections for curb, erosion control and sedimentation, detention basin, landscaping and other amenities.

Prior to completion of the project all improvements must undergo a final punchlist inspection. It is the role of TAI to verify that all improvements have been installed per plan and municipal ordinance. In the event that field modifications have been made, TAI must review the change and assess its impact on the both the proposed and existing system. TAI has completed numerous punchlist inspections and even aided communities in the development of punchlist inspection forms.

Staffing

Name/Registration/Title	Years of Exp./ @Firm	IDOT/Municipal Project Experience
Dale Marting, jr., P.E., CFM, CSM/ Project Engineer	26/1.5	• Dale has served municipalities under many different capacities. He performed stormwater administrator duties for communities in DuPage County reviewing stormwater permit applications, reviewing engineering plans, plats, reviewing developer's engineers estimates for bonds/letters of credit, reviewing agreements and providing approval recommendations to the village staff for board action. He was also involved with assisting the community with closing-out open permits, reviewing as-built plans, preparing punch lists, performing final walk-thorough, reviewing letters of credit for reduction and providing recommendation for approval. • When required, Mr. Marting attended village board, committee and staff meetings to provide expert guidance when solicited from the village trustees and department heads. He also met with developers in development meetings protecting the village's interests. Also, acted as the village's representative when visiting other governmental agencies such as DuPage County Division of Transportation and Illinois Department of Transportation.
Susan Novak, P.E./ Project Engineer	12/2.5	• Proficiency in stormwater design, development and construction for land development/ improvement projects. • Experience in municipal and commercial development design includes stormwater management design and permitting, BMP design and implementation, erosion control and all aspects of project permitting. • Extensive knowledge of local and regional permitting and ordinance requirements.

Dale V. Marting Jr., P.E.



Qualifications
Mr. Marting, Jr. has more than twenty-five years of direct civil engineering experience on a variety of local street/roadway, watermain, location drainage study/storm water management, IDOT transportation, surveying, street-scape projects including detailed design, resident engineering, quality control/quality assurance and project management. Mr. Marting, Jr. has a thorough understanding of both DuPage County's Countywide Stormwater and Flood Plain Ordinance and Kane County's Stormwater Management Ordinance. He is proficient in a wide range of engineering programs (WaterCAD, *SWMM, HEC-1, HEC-2, HY-8, TR-20, etc.*).

Education
Bachelors of Science in Civil Engineering
Iowa State University – 1991

Registration
Illinois Professional Engineer – 062-050714
Iowa Professional Engineer - 13490
Michigan Professional Engineer - 6201056297

City of North Chicago – Development Review Projects

- Brookstone And Regency At Cole Park (PPP Funding, IHDA)

In a partnership with the Lake County Housing Authority, the Benoit Group submitted plans, specifications and a Lake County WDO permit application for review. Mr. Marting acted as lead reviewer for the review of the plans, specifications, stormwater management report, WDO permit application, turning movement templates, street lighting details and photometrics, and IEPA sanitary sewer and water main construction permits for a 20-acre multi-family home development with a community center and senior living center. The review of the required plats where performed by Trotter's surveying staff. Multiple staff members were used to meet an aggressive review schedule was used on this project to meet the developer's shortened period to obtain financing for the project, which had the support of IHDA.

Village of Campton Hills – Development Review
Mr. Marting is the plan development reviewer and storm water administrator for the Village of Campton Hills. TAI supports Campton Hills' Building and Zoning Officer through site plan review for development within the community. Reviews include: Concept and Preliminary reviews for properties, ensuring that the plat meets ordinances and identifies potential issues, and Final plat reviews which include the review of final engineering drawings as well as storm water management of the site to include detention/retention and erosion control requirements.

Mohr Oil Company – Spill Prevention, Control and Countermeasures
Project Engineer. Assisted with Mohr Oil Company's response to a complaint from IEPA for failing to meet the requirements of ILR00, having a current Spill Prevention, Control and Countermeasures plan on-site. Working on the Client's behalf, Mr. Marting coordinated between IEPA's Springfield, Illinois office and the field inspector issuing the violation notice, obtaining a successful resolution for Mohr Oil. The result, the field inspector was wrong in issuing the violation to Mohr Oil since Mohr Oil was within a combined sewer area, which a discharge from a spill could not reach any public waters in Illinois.

Memberships
American Public Works Association

Certifications
IDOT Documentation Certified – 16-11927
Kane County Storm Water Review Specialist – E-177
National Bridge Inspection Standards (NBIS) Program Manager – Inspector ID 00420
Certified NetWare Engineer

MicroPlastics, Inc. – Spill Prevention, Control and Countermeasures
Project Manager. Prepared a SPCC for MicroPlastics meeting the requirements set forth in 40 CFR 112 and ILR00. The site was not an oil production facility and the SPCC followed Section 112.8 of the CFR. The SPCC was submitted to IEPA and approved.

Marshall Architects – Masonite Inovation Center
Project Engineer. Assisted in obtaining a DuPage County Stormwater Permit for the PCBMP approval and wetland concurrence for the industrial lab addition at the Masonite Corporation located in Batavia. TAI worked closely with Marshall Architects and their design of the building addition and site improvements to remain below the threshold of 25,000 sf of new net impervious area since 1992 to eliminate detention for stormwater runoff. However, the improvements exceeded the Post-Construction Best Management Practice (PCBMP) triggers and PCBMP's were still provided. The scope of the project included the extension of driveways and access points to provide required distances for fire department access to the new building addition. TAI coordinated with the City of West Chicago for the site permit and DuPage County for the PCBMP approval and the wetland determination and concurrence. TAI's work included a topographic site survey, engineer's estimate of probable cost, grading plan, City, IEPA and DuPage County permitting, and erosion control plan.

Susan Novak, P.E.



Qualifications
Ms. Novak has a comprehensive background of experience, but her proficiency is in stormwater design, development and construction for land development/ improvement projects. Her experience in municipal and commercial development design includes stormwater management design and permitting, BMP design and implementation, erosion control and all aspects of project permitting, construction management and project closeout. This has afforded her the ability to develop an extensive knowledge of local and regional permitting and ordinance requirements. It has also afforded her a unique perspective in innovative design considerations for recurrent flooding concerns for various municipalities and developers.

Education
B.S., Civil and Environmental Engineering, University of Wisconsin - Madison
M.S. Environmental Engineering – University of Wisconsin, Madison - Expected Graduation May 2018

Registration
Professional Engineer, P.E., Illinois

Marshall Architects – Masonite Inovation Center
Project Manager. Obtained a DuPage County Stormwater Permit for the PCBMP approval and wetland concurrence for the industrial lab addition at the Masonite Corporation located in Batavia. TAI worked closely with Marshall Architects and their design of the building addition and site improvements to remain below the threshold of 25,000 sf of new net impervious area since 1992 to eliminate detention for stormwater runoff. However, the improvements exceeded the Post-Construction Best Management Practice (PCBMP) triggers and PCBMP's were still provided. The scope of the project included the extension of driveways and access points to provide required distances for fire department access to the new building addition. TAI coordinated with the City of West Chicago for the site permit and DuPage County for the PCBMP approval and the wetland determination and concurrence. TAI's work included a topographic site survey, engineer's estimate of probable cost, grading plan, City, IEPA and DuPage County permitting, and erosion control plan.

MicroPlastics, Inc. – Spill Prevention, Control and Countermeasures
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Mohr Oil Company – Spill Prevention, Control and Countermeasures
Project Manager. A. Assisted with Mohr Oil Company's response to a complaint from IEPA for failing to meet the requirements of ILR00, having a current Spill Prevention, Control and Countermeasures plan on-site. Working on the Client's behalf, Mr. Marting coordinated between IEPA's Springfield, Illinois office and the field inspector issuing the violation notice, obtaining a successful resolution for Mohr Oil. The result, the field inspector was wrong in issuing the violation to Mohr Oil since Mohr Oil was within a combine sewer area, which a discharge from a spill could not reach any public waters in Illinois.

Village of Campton Hills – Development Review

Project Engineer. Assists in the plan development review for the Village of Campton Hills. TAI supports Campton Hills' Building and Zoning Officer through site plan review for development within the community. Reviews include: Concept and Preliminary reviews for properties, ensuring that the plat meets ordinances and identifies potential issues, and Final plat reviews which include the review of final engineering drawings as well as storm water management of the site to include detention/retention and erosion control requirements.

Experience

Project / Client	**Site Development Reviews / City of North Chicago**
Scope of Work / Contractor / Client POC	The City of North Chicago contracted with Trotter and Associates Inc. to review site development applications and the corresponding site development plans for compliance with the City's code and Lake County's stormwater ordinance. TAI is charged with reviewing and commenting on design and code deficiencies found in the following documentations accompanying the site development permit: • Stormwater Permit Application • Construction Drawings • Cost Estimate • Stormwater Management Report • NOI-SWPPP, if applicable • EcoCAT consultation, if applicable • Illinois Historical Preservation Agency consultation TAI's site development review responsibilities also include verifying permit applications have been made for: • Illinois DOT permit • County DOT permit • IEPA PWS and WCS permits • Illinois DNR-OWR permit • Water Reclamation permits • Soil & Water Conservation permits In addition, TAI's direction from the City is to help the applicant navigate the City's permitting process by pointing the applicant to the relevant sections in the City's code and providing them with the correct interruption of the City's code. Ed Wilmes, Public Works Director (847) 596-8690
Project Team	Dale Marting – Project Manager Susan Novak – Project Engineer
Construction Cost / Fee / Year	N/A
Project / Client	**Plan Development Review / Village of Campton Hills**
Scope of Work / Contractor / Client POC	Trotter and Associates, Inc. is the plan development reviewer and storm water administrator for the Village of Campton Hills. TAI supports Campton

	Hills' Building and Zoning Officer through site plan review for development within the community. Reviews include: Concept and Preliminary reviews for properties, ensuring that the plat meets ordinances and identifies potential issues, and Final plat reviews which include the review of final engineering drawings as well as storm water management of the site to include detention/retention and erosion control requirements. TAI is a Certified Review Specialist within Kane County. Ron Searl, Village Administrator (630) 584-5700
Project Team	Dale Marting – Project Manager Susan Novak – Project Engineer
Construction Cost / Fee / Year	N/A

BENSENVILLE
GATEWAY TO OPPORTUNITY

Experienced Professionals – Better Solutions

TROTTER and ASSOCIATES, INC.
ENGINEERS AND SURVEYORS
St. Charles, IL • Fox Lake, IL
630.587.0470 • www.trotter-inc.com

Statement of Qualifications

Submitted To: Village of Bensenville | Due: October 19, 2017







Establishment of Shortlists for Civil Engineering Services:

Design Services
Resident Engineering
Stormwater Engineering

WWW.V3CO.COM | 888.707.2779

VISIO, VERTERE, VIRTUTE ... The Vision to Transform with Excellence

October 19, 2017

Joe M. Caracci, P.E.
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, Illinois 60106

Re: Request for Qualifications
Establishment of Short-Lists for Civil Engineering Services

Dear Mr. Caracci:

Thank you for the opportunity to submit our qualifications for civil engineering services. V3 Companies of Illinois, Ltd. (V3) understands the role of engineering support and what is required to be part of a successful municipal team working in concert with Village staff and elected officials. V3 is currently providing civil engineering services for the City of Aurora, the City of Des Plaines, Village of Hanover Park, City of Joliet, Village of Northbrook, Village of Villa Park, Village of Woodridge, and the Village of Orland Park to name a few. These roles, relationships, and assigned tasks vary to meet the specific needs of each client much like what is outlined for the Village of Bensenville.

The following are the categories, in order by rank, that V3 will be submitting qualifications for;

1. Design Engineering
2. Resident Engineering
3. Stormwater Engineering

Whether we are chosen for one or all three categories we believe it is critical to have one primary contact for the Village. Shauna Urlacher will serve as the Village's primary contact. Shauna has more than 14 years of municipal engineering experience including NPDES MS4 and MFT program management, CIP programs as well as drainage, utility, and other municipal improvement projects. She spent seven years as the Assistant Village Engineering in Village of Franklin Park. Shauna will be supported by a dedicated team of engineers and specialists in a variety of technical disciplines to provide all of the necessary capabilities for each project.

Our team's commitment to providing quality work is demonstrated by our name, which is taken from the Latin, **"Visio Vertere Virtute**" or the **"Vision to Transform with Excellence"**. We appreciate the opportunity to present these qualifications, and are available to answer any questions or to further expand upon this submittal. If you have any questions or require additional information please contact Shauna at 630.724.9200 or at surlacher@v3co.com.

Sincerely,
V3 COMPANIES OF ILLINOIS, LTD.

Robin L. Petroelje
Chief Executive Officer

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- Litigation Summary
- IDOT Approval Letter
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Section 3: Similar Project Summaries

Section 4: Qualifications of Staff

- Staffing Chart
- Key Personnel Resumes

SECTION 1

REQUIRED FORMS & INFORMATION

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/16/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER DSP Insurance 1900 E. Golf Road Suite 650 Schaumburg IL 60173	CONTACT NAME: Jeannene Miller PHONE (A/C, No, Ext): (847) 934-6100 FAX (A/C, No): (847) 934-6186 E-MAIL ADDRESS: jmiller@dspins.com
	INSURER(S) AFFORDING COVERAGE — NAIC #
	INSURER A : The Cincinnati Insurance Compa — 10677
INSURED V3 Companies Ltd. V3 Construction Group Ltd. V3 Companies of Illinois, LTd. V3 Construction Trades,Ltd 7325 Janes Avenue, Suite 100 Woodridge IL 60517	INSURER B : INSURER C : INSURER D : INSURER E : INSURER F :

COVERAGES **CERTIFICATE NUMBER:** Cert ID 19556 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE	$
	[ ] CLAIMS-MADE [ ] OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$
							MED EXP (Any one person)	$
							PERSONAL & ADV INJURY	$
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$
	[ ] POLICY [ ] PRO-JECT [ ] LOC						PRODUCTS - COMP/OP AGG	$
	[ ] OTHER:							$
A	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	[X] ANY AUTO			EBA0108231	10/26/2016	10/26/2017	BODILY INJURY (Per person)	$
	[ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	[X] HIRED AUTOS ONLY [X] NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	[ ] UMBRELLA LIAB [ ] OCCUR						EACH OCCURRENCE	$
	[ ] EXCESS LIAB [ ] CLAIMS-MADE						AGGREGATE	$
	[ ] DED [ ] RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N						[ ] PER STATUTE [ ] OTH-ER	
	ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? [ ]	N/A					E.L. EACH ACCIDENT	$
	(Mandatory in NH)						E.L. DISEASE - EA EMPLOYEE	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	$
								$
								$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

SAMPLE

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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The ACORD name and logo are registered marks of ACORD

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 12/30/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Willis of Illinois, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 372305191 USA	CONTACT NAME: PHONE (A/C, No, Ext): 1-877-945-7378 FAX (A/C, No): 1-888-467-2378 E-MAIL ADDRESS: certificates@willis.com
INSURED V3 Companies of Illinois, Ltd. 7325 Janes Ave, Ste 100 Woodridge, IL 60517	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A : Continental Casualty Company — 20443 INSURER B : Continental Insurance Company — 35289 INSURER C : American Casualty Company of Reading, PA — 20427 INSURER D : Berkley Insurance Company — 32603 INSURER E : INSURER F :

COVERAGES **CERTIFICATE NUMBER:** W1884178 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	[X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [ ] LOC [ ] OTHER:			6045653373	01/01/2017	01/01/2018	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 1,000,000 $ 15,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
	AUTOMOBILE LIABILITY [ ] ANY AUTO [ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS [ ] HIRED AUTOS ONLY [ ] NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $
B	[X] UMBRELLA LIAB [X] OCCUR EXCESS LIAB [ ] CLAIMS-MADE [ ] DED [X] RETENTION $ 10,000			6045653390	01/01/2017	01/01/2018	EACH OCCURRENCE AGGREGATE	$ 5,000,000 $ 5,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N: No (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		6045653423	01/01/2017	01/01/2018	[X] PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000
D	Professional Liability			AEC-9012818-01	01/01/2017	01/01/2018	Per Occurrence: Aggregate:	$5,000,000 $10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

Sample

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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LITIGATION SUMMARY

LITIGATION SUMMARY FOR LAST 5 YEARS

1.	**Case Name**	Kendrick vs. City of Chicago, V3 and G&V Construction
	Case #	12 L 9289
	Court	Cook County
	Basis	This is a third party lawsuit. Plaintiff field a complaint against the City of Chicago, V3 & G&V construction for injuries she claims to have sustained on May 31, 2012 when she fell when she encountered a raised curb area on the sidewalk at the corner of 43rd street and Okenwald in the City of Chicago.
	Outcome	V3 settled for a nominal amount with no admittance of guilt.

2.	**Case Name**	Noerper vs. PLOTE, V3, IDOT, et.al.
	Case #	10 L 13589
	Court	Cook County
	Basis	This is a third party lawsuit that involves a motorcycle v. car accident in a construction zone in Glenview, Illinois on Milwaukee Avenue on August 11, 2011.
	Outcome	V3 settled to avoid attorney fees with no admittance of guilt.

3.	**Case Name**	Lindsay Park Homeowners v. Woodside Homes, V3, et al.
	Case #	CV2014095998
	Court	Maricopa County, AZ
	Basis	This is a third party lawsuit from a homeowners association that claims drainage and settlement issues with their units. V3 contends that our design was not constructed and material changes were made in the field without our knowledge.
	Outcome	In Progress

4.	**Case Name**	Ultreras v. City of Chicago, Plote Construction, V3, et al.
	Case #	2014 L 8858
	Court	Cook County
	Basis	This is a third party claim by a pedestrian who allegedly sustained injuries as a result of a trip and fall within the limits of a CDOT resurfacing project. V3 was not contractually responsible for design, or construction means, methods, or site safety. Further, it is questionable as to whether the fall occurred within the limits of the project.
	Outcome	The claimant dropped the case due to lack of evidence.

5.	**Case Name**	Johnson v. Nash, ISTHA, Plote, BV3, et al.
	Case #	16 L 003443
	Court	Cook County
	Basis	This is a third party claim by a group of people who were passengers in a limousine that was in a one-car accident within the limits of the I-90 project. V3 was the corridor design manager and was not responsible for means, methods, or site safety on the project.
	Outcome	In Progress

6.	**Case Name**	Doherty Vs. AMEC Environment and Infrastructure, V3, BV#, Benesch, and numerous parties associate with the I-90 Widening Project
	Case #	2014L012107
	Court	Cook County
	Basis	On November 21, 2014, Brian and Nicola Doherty filed suit against 15 different parties, including V3 and its joint venture BV3, LLC, seeking damages for personal injuries allegedly sustained on the work site. V3 was under contract to perform a consulting role during construction and had no responsibility for means, methods, or construction zone safety.
	Outcome	V3 was released from this case with no cost or fault.

7.	**Case Name**	Gerardi Funeral Home LLC Vs. IDOT, Village of Frankfort, V3, FH Paschen, Ricci Welch, et.al.
	Case #	14 L 320
	Court	Will County
	Basis	Gerardi, et al has filed a claim seeking damages resulting from flooding due to construction work along Illinois Route 30 in New Lenox, Illinois. V3 intends to vigorously contest liability based on the fact that V3 was the Construction Engineer for the project and thus had no involvement in the design or construction of the work, and further based on the fact that the address of the damages is not within the limits of the project that V3 was engaged upon.
	Outcome	This case was dropped due to lack of evidence.

8.	**Case Name**	Auriemma v. Illinois State Toll Highway Authority, Lorig Construction, Highway Safety Corp, V3, Benesch, Civiltech, et al.
	Case #	2016 L 003349
	Court	Cook County
	Basis	Mr. Auriemma has filed a claim seeking damages resulting from a single car accident in which he was the driver. His car struck construction barrier and the boat he was towing flipped over the car causing injuries to Mr. Auriemma. V3 is vigorously contesting liability based on the fact that V3 was the construction corridor manager on behalf of the Tollway and had no responsibility for means, methods, or site safety.
	Outcome	Pending.

Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

September 7, 2016

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

Lou Gallucci
V3 COMPANIES OF ILLINOIS, LTD
7325 Janes Avenue
Woodridge, IL 60517

Dear Lou Gallucci,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $38,400,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 159.00% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

SEFC PREQUALIFICATIONS FOR V3 COMPANIES OF ILLINOIS, LTD

CATEGORY	STATUS
Environmental Reports - Environmental Assessment	A
Hydraulic Reports - Pump Stations	X
Structures - Railroad	X
Location Design Studies - Rehabilitation	X
Special Studies - Feasibility	X
Highways - Roads and Streets	X
Hydraulic Reports - Waterways: Complex	X
Special Services - Surveying	X
Transportation Studies - Railway Engineering	X
Structures - Highway: Advanced Typical	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Hydraulic Reports - Waterways: Typical	X
Structures - Highway: Simple	X
Special Studies - Pump Stations	X
Special Studies - Traffic Studies	X
Special Studies - Traffic Signals	X
Special Studies - Safety	X
Special Services - Construction Inspection	X
Location Design Studies - New Construction/Major Reconstruction	X
Special Services - Sanitary	X
Highways - Freeways	X
Structures - Highway: Typical	X
Special Studies - Location Drainage	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

[1] Design Engineering

[N/A] Wastewater Improvements

[3] Stormwater Engineering

[2] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By .....: _____

Print Name .....: _____

Position/Title.....: _____

By .....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

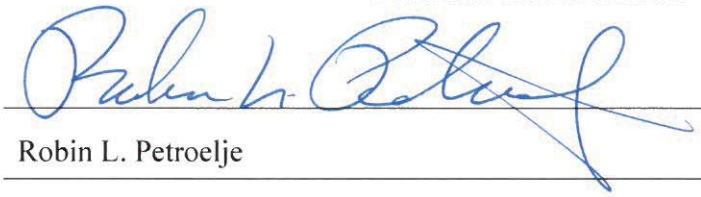
Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By .....: 

Print Name .....: Robin L. Petroelje

Position/Title.....: Chief Executive Officer

Company Name ...: V3 Companies of Illinois, Ltd.

Address line 1 .....: 7325 Janes Avenue

Address line 2 .....: Woodridge, IL 60517

Telephone.....: 630.724.9200

SECTION 2

APPROACH TO CLIENT SERVICES

APPROACH TO CLIENT SERVICES

CLIENT LIAISON & PROJECT MANAGER



SHAUNA URLACHER, P.E.

Email : surlacher@v3co.com
Office: 630.729.6160
Mobile: 708.253.7993

Shauna Urlacher will be the Village's primary contact. Having spent seven years as Franklin Park's Assistant Village Engineer, she is familiar with the characteristics of the area and the needs of municipal clients.

COMMITMENT TO BENSENVILLE

V3 is committed to providing quality services and value to our clients in accordance with our core values of integrity, commitment to excellence and focus on our clients. Our employees strive to understand our clients' needs so that we continually provide quality projects in a timely manner. The goals of our quality management program follow:

- Understanding our clients' requirements and objectives
- Providing a high level of client service
- Delivering projects efficiently and cost effectively
- Striving to perform each task accurately the first time

Although the request for qualifications highlights specific project types, V3 understands that additional needs will arise from time to time. Our full service team of engineers and surveyors will be able to assist with tasks as small as a pick up survey to backyard drainage complaints. V3's in-house capabilities provide a level of efficiency and uniformity, thus bringing unique value to the Village.

Shauna Urlacher will be the Village's primary contact. She is very familiar with the area having spent seven years as the Assistant Village Engineer for the Village of Franklin Park.

Given the unique character of Bensenville, with its diverse neighborhoods, redevelopment opportunities, aging infrastructure and high capacity traffic corridors; it is important that the Village has strategic capital and maintenance plans in place. The V3 team is the right partner to assist in supporting the Village's strategic vision for the future needs of the community. Not only are we engineers, but we are also land planners, professional construction cost estimators and contractors. We have highlighted a few items within the short list categories that make V3 Companies unique.

DESIGN ENGINEERING

Community Investment Plan

We understand that executing the various projects in the community investment plan (CIP) is critical to the Village's 2027 guiding principles:

- Beautiful Village
- Families make Bensenville their hometown
- Alive and thriving downtown
- Stable residential neighborhoods
- Enjoyable living
- Major business and corporate center
- Vibrant and inviting major commercial corridors
- Connectivity within the Village, the Chicago region and the world

Approach to Client Services

Municipalities are often very aggressive in their planning and are unable to complete the projects highlighted in their CIP. This sometimes has a serious effect on the Village finances, as well as programming community events or coordinating projects with other agencies.

V3 Team member, Kurt Corrigan, has expertise developing CIPs, budgeting and evaluating pavement maintenance programs. His previous position as the Village Engineer of Orland Park provides a valuable resource for Bensenville to draw upon.

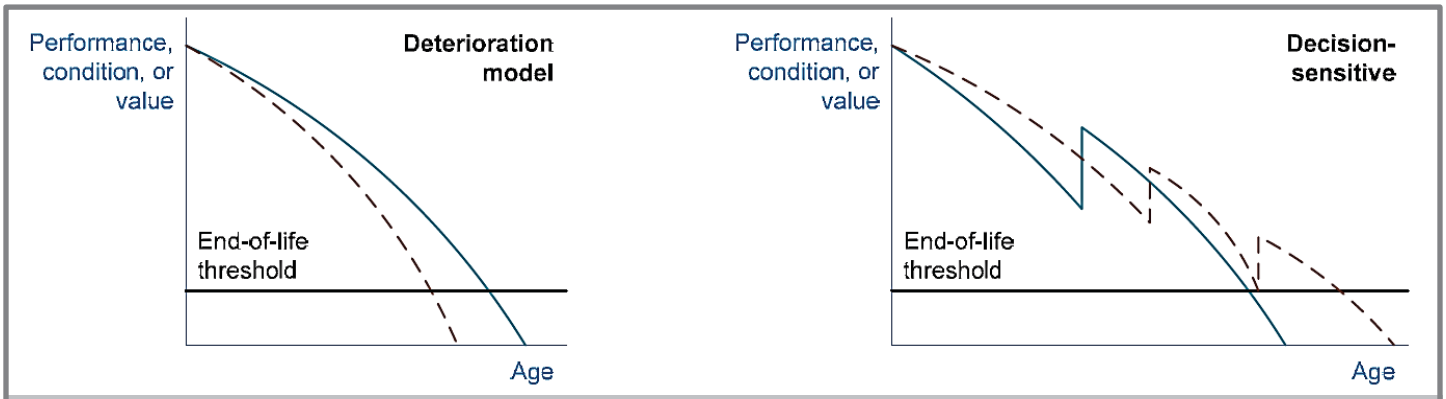
Municipalities are often very aggressive in their planning and are unable to complete the projects highlighted in their CIP. Sometimes this has serious effects on the Village finances, as well as programming community events or coordinating projects with other agencies.

This is why we have included Kurt Corrigan as an important team member. As the Village Engineer of Orland Park, Kurt's experience developing CIPs, budgeting and evaluating pavement maintenance programs provides a valuable resource for the Village to draw upon.



Pavement Maintenance

Pavement maintenance is a large component of the Village's CIP and V3 will work with the Village to apply the right strategy to the right road and at the right time, thereby maximizing the life of the pavement. Studies have shown that maintaining the pavement at the right time will significantly extend the life of the pavement as shown below. By extending the life of the pavement through various maintenance techniques the Village will maximize the use of its funding.



Infrastructure Life Cycle with and without Maintenance. As shown, the life cycle of pavement can be significantly increased from the "Deterioration Model" with no maintenance to the "Decision-sensitive" model with maintenance activities at the appropriate time.

APPROACH TO CLIENT SERVICES



V3 will work with the Village to improve the existing transportation system by improving safety and mobility for vehicular and non-vehicular traffic through a reduction in congestion and increased efficiency.

An engineer supporting Bensenville must understand the transportation characteristics of the Village in order to recommend and make the proper decisions.

V3 has strong relationships within the Illinois Tollway, IDOT, DuPage County and Cook Count that can be utilized to connect the Village and these agencies.



Transportation Infrastructure Services

In addition to managing the condition of its existing pavements, V3's team has extensive experience with all types of transportation infrastructure improvements.

Due to its geographic location, Bensenville has access to regional transportation systems; Elgin-O'Hare, I-90, I-290, I-294, Metra as well as O'Hare International Airport.

As such it is vital that the overall transportation network function together. An engineer supporting Bensenville must understand these characteristics in order to recommend and make the proper decisions. V3's transportation and traffic department is well versed in making these decisions. V3 has the ability to assist the Village with:

- Roadway and parking lot design,
- Maintenance of traffic
- Street lighting
- ADA/PROWAG compliance
- Traffic signal design
- Multi-use path design
- Streetscape
- Traffic studies
- Intersection design studies
- Parking studies
- Phase I preliminary engineering services
- Phase II design engineering services/bid document preparation

V3 has strong relationships with the Tollway, IDOT, DuPage County, and Cook County that can be utilized to connect the Village and these agencies. Having these relationships is extremely critical to an area like

APPROACH TO CLIENT SERVICES



Communication & coordination regarding the rail lines that run throughout the Village will be handled by our 45-year railroad Veteran, Ted Niemeyer

the Village of Bensenville, since the vast majority of the arterial roadways and traffic signals are under state or county jurisdiction. V3 knows IDOT procedures and design criteria and understands the steps involved in maneuvering through the IDOT design and review process for federal, state and locally funded projects.

We know their staff and have worked with them both in representing municipalities or county agencies and in a direct contracting relationship.

With commuter and commercial rail lines throughout the Village, it is important that an engineer have the ability to communicate and coordinate with railroads. That is why our transportation team includes Ted Niemeyer. Ted has 45 years of experience in railroads and will provide railroad design and coordination.



Grant & Funding Assistance

V3 understands the challenges of obtaining project funding and administering projects that are state and federally funded. We have the experience and knowledge necessary to help the Village of Bensenville obtain funding through a variety of sources. Some of the more prominent grants/funding sources include STP, CMAQ, ITEP, SRTS, IGIG, IKE, PDM, etc. However, we are familiar with many more opportunities and are happy to assist the Village with identifying any potential funding sources.

APPROACH TO CLIENT SERVICES

We have the experience and knowledge necessary to help the Village of Bensenville obtain funding through a variety of sources.



From our experience obtaining grant funding for other municipal clients, some of the keys to preparing a successful grant application include:

- Early Submittals - Submitting the application prior to the application deadline, allowing time for a preliminary review and revisions prior to the grant deadline.
- Coordination with Reviewing Agency – Coordination up-front with the reviewing agency provides an opportunity to brainstorm with that agency on ways to revise the scope or content of the application for a more favorable review.
- Knowledge of the Grant Process – Our in-depth knowledge of the grant process allows V3 move grant applications between funding sources, acquire matching funds from other agencies and cover expenses such as engineering, grant administration and legal fees with grant funds.
- Quality Applications – Our grant applications are thorough, focusing on the information the review agency needs to select the project.

As a result of our knowledge of the grant process and the quality of our applications, clients have come to V3 requesting that we revise grant applications from other consultants.

As a result of our knowledge of the grant process and the quality of our applications, clients have come to V3 requesting that we revise grant applications from other consultants.

Last year, we worked with the City of Des Plaines, FEMA and MWRD to revise a grant application previously submitted by another consultant. As a result, the City received $15 Million in grant funding for their project ($11.5 Million from FEMA and a local match of $3.5 Million from MWRD).

APPROACH TO CLIENT SERVICES



Lighting Systems

V3 has designed roadway and parking lot lighting systems as stand-alone projects and in conjunction with roadway, streetscaping and other infrastructure improvements. Expertise includes:

- Parking lot lighting
- Lighting of roadways and bike paths
- Ornamental streetscaping
- New complete lighting systems
- LED light fixture upgrades to electrical power upgrades

We have designed systems that include dimmable lights controlled either by a timeclock or a wireless control system and have accommodated electric vehicle charging systems. Performing an assessment of an existing system is typically done by V3 on any project where the existing electrical panel is being used or upgraded. We engage our in-house structure design group to design of light poles and foundations that will carry banners, planters and holiday decorations.

Flood Forecasting Technology

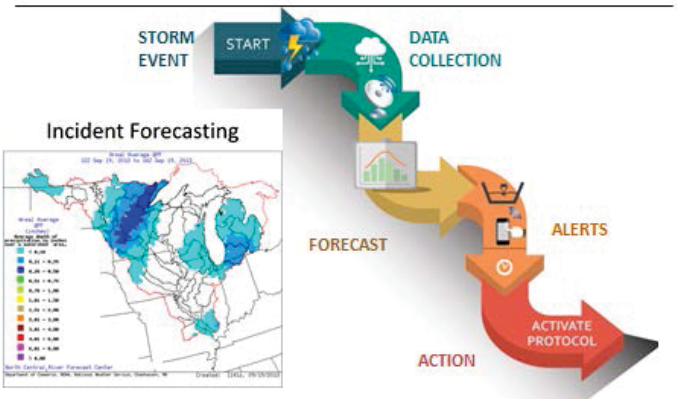
At V3 we have continued to think outside of the box to deliver practical and cost effective solutions for an array of clients.

Most recently our water resources department has developed a flood forecasting for resiliency system, a predictive flood warning system to give advance notice for potential flood producing storm events.

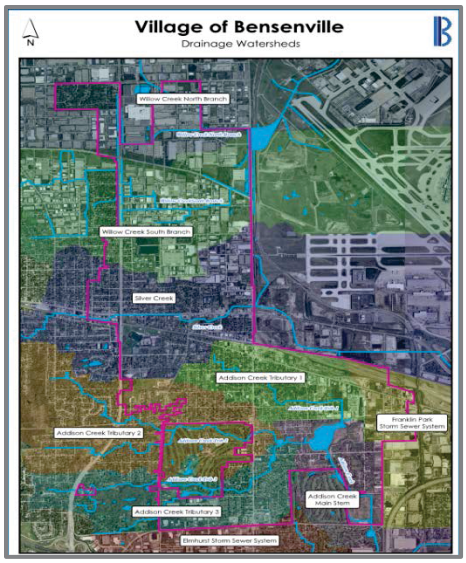
This unique forecasting system provides 48 hour advance notice and allows proactive flood mitigation response for vulnerable facilities, equipment and neighborhoods.

This unique forecasting system provides 48 hour advance notice and allows proactive flood mitigation response for vulnerable facilities, equipment and neighborhoods. The system provides additional storm water capacity within a current facility by releasing water over time at the appropriate release rate for the governing agency. Upon reviewing the Village's Redmond Reservoir Analysis Report and programmed projects highlighted in the CIP, we are confident that there is opportunity to implement elements of the forecasting technology. By doing so the Village may realize cost savings for a variety of projects and potentially less disruption to the residents.

Upon reviewing the Village's Redmond Reservoir Analysis Report and programmed projects highlighted in the CIP, we are confident that there is opportunity to implement elements of our forecasting technology.



APPROACH TO CLIENT SERVICES





Stormwater Management

The Village of Bensenville includes three distinct watersheds; Willow Creek, Bensenville Ditch and Addison Creek. The Village has invested significant time and resources as part of the 2012 Stormwater Study as well as the Redmond Reservoir Analysis report. The CIP identifies a number of projects to be designed and constructed, specifically areas A1, A2 and A5 of the Redmond expansion. By having an understanding of the proposed improvements, V3's project team will be able to provide expertise in hydrologic & hydraulic modeling, design and construction. Identifying challenges early on and providing practical solutions will ensure the successful implentation of the these improvements.

V3 shall coordinate with and discuss the permit requirements with all applicable agencies on behalf of the Village. V3 shall prepare formal permit applications for submittal to the appropriate agencies.

Along with the identified CIP improvements V3 has the capabilities to evaluate basic alternatives to reduce localized drainage problems within the Village. Solutions include increased conveyance, increased inlet capacity, new or expanded stormwater storage, roadway or parkway modifications, stormwater best management practices or a combination of these solutions. The drainage calculations will be performed collectively to insure that each project alternative and the associated stormwater benefit is fully evaluated by the V3 Team. Table 2 below summarizes V3's approach to addressing the Village's overall stormwater issues.

Table 2. Approach to Stormwater Challenges

Issue / Challenge	V3's Approach
Private property drainage complaints	Document, Investigate, and Provide Recommendations – V3 could track these complaints in GIS to identify trends.
Floodplain Administration	Consistently Enforce Regulations – Shauna has served as the Floodplain Administrator and has experience reviewing floodplain permits, explaining insurance requirements and guiding residents through map changes.
Stormwater Infrastructure Improvements	Analyze, Prioritize, and Design – Shauna is part of V3's Water Resources group and the Stormwater Management Committee Chair for IAFSM. As Committee Chair she provides training on stormwater management topics and is informed of changes to county and state stormwater management regulations. Shauna and others from the Water Resources department have developed strategies, implemented improvements, and identified funding sources for countless drainage improvement projects.
Other Regulatory Agency Coordination	Open Communication and Coordination - We have excellent relationships with DuPage County, IDNR-OWR, and FEMA. Our experience includes working with FEMA Region V on municipal floodplain. administration as well as ISWS and FEMA Headquarters on Letter of Map Change (LOMC).

Approach to Client Services



Resident Engineering

Representatives of the Village

Our resident engineers and inspectors take their responsibilities as representatives of the Village very seriously, focusing on communication, listening and developing inclusive solutions to achieve acceptable results to all parties involved. Our construction management and inspection services for the Village may include:

- Measurement and documentation of quantities
- Weekly progress meetings
  - Coordination with the contractor, Village staff, residents and businesses
- Review of contractor invoices
- RFI responses
- Shop drawing reviews
- Change order negotiation
- Final punch-list and as-built documentation

V3 will maintain contact with Village staff and affected residents to advise them of the progress on the project as well as cost or quality related issues that may develop. We will maintain daily contact with the contractor to determine work schedules, paving and concrete placement dates and adherence to the overall project schedule. V3 provides the skillset to identify construction related concerns, communicate those concerns to the appropriate parties and help coordinate satisfactory solutions.

We will maintain daily contact with the contractor to determine work schedules, paving and concrete placement dates and adherence to the overall project schedule. V3 provides the skillset to identify construction related concerns, communicate those concerns to the appropriate parties and help coordinate satisfactory solutions.



V3's construction engineering staff members also provide constructability reviews for all of our design projects in order to avoid conflicts/issues in the field that could affect schedule and budget. Our

Approach to Client Services



Having contractors and professional estimators in-house helps the entire V3 team to anticipate unforeseen issues and to develop accurate, real-time construction cost estimates.

With the Elgin O'Hare/Route 83 Interchange being a gateway into the Village, it will be important to have a Resident Engineer familiar with the Illinois Tollway to share the concerns of the Village and to provide day to day representation.



construction engineering staff also assists in the development of maintenance of traffic/construction staging plans and in identifying key elements of the project that can be constructed in a more economical or efficient manner.

General Contractors & Estimators

In addition to V3's construction engineering expertise, we are also a general contracting and construction management firm capable of self-performing earthwork and underground utility construction. Having contractors and professional estimators in-house helps the entire V3 team to anticipate unforeseen issues and to develop accurate, real-time construction cost estimates.

For instance we were able to collaborate with our contracting team to provide a design that balanced the project earthwork and saved the Village of Northbrook $200,000 on the Keystone Road/Chartres Drive improvements.

Familiarity with the Illinois Tollway & Elgin O'Hare Extension

Another unique component of the V3 team is Pete Stukas. Pete is the construction program manager for the Elgin O'Hare Tollway project. He has the ability to work for a large agency but understand the needs of the municipality.

With the Elgin O'Hare/Route 83 Interchange being a gateway into the Village, it will be important to have Pete on your side to share with the Illinois Tollway the concerns of the Village and provide day to day representation.

A recent example of Pete's commitment to the municipality is the reconstruction of Route 30 through New Lenox. Pete was the Project Manager for IDOT but provided a sounding board for the Village. As you know, something as simple as paving driveway versus leaving it in stone can go a long way with residents or businesses. Providing this kind of attention may also eliminate the unwanted and usually untimely calls from residents to the local officials.

Pete's continued dialogue with New Lenox and his ability to work with the contractor illustrated that V3 just wasn't there to build a road, but was there to build a relationship.

APPROACH TO CLIENT SERVICES

STORMWATER ENGINEERING

V3 has the necessary experience with development reviews, stormwater engineering and the wide range of technical expertise necessary to provide the Village of Bensenville with an exceptional development plan review program. Development review services are currently being provided by V3 to the Villages of Villa Park and Romeoville and the City of Chicago.

We will protect the Village from unnecessary expenditures of time and money on maintenance and/or repairs related to poor planning and design of public infrastructure.

General Philosophy & Approach

V3 views its role and responsibility in the development review process as the Village's partner to protect the best interests of the Village and its residents. We protect the Village from unnecessary expenditures of time and money on maintenance and/or repairs related to poor planning and design of public infrastructure, which the Village will maintain in perpetuity. Beyond simply applying sound engineering principles, this requires diligence and a willingness to dig into the details and go the extra mile. At V3 we embrace these responsibilities and challenges. We believe the cornerstones to achieving this mutually beneficial outcome are:

- Up-front planning and coordination
- Open lines of communication
- Technical expertise
- Consistency in our interpretation of the ordinance
- Timeliness of reviews

Each municipality has a unique approach to development and floodplain reviews. Some prefer to discuss review comments face-to-face. Others prefer documented comment letters with detailed comments on each submittal. We will work with the Village and agree upon an approach that works within the existing processes for all involved.

V3 understands that each municipality has its own unique approach to development and floodplain reviews. Some municipalities prefer to discuss review comments face-to-face with the developer or homeowner and exchange marked-up plans. Others prefer documented comment letters with detailed comments on each submittal. We will work with the Village and agree upon an approach that works within the existing processes for all departments involved.

Development Reviews

V3 will review the engineering plans and calculations for conformance with the Village's and DuPage County ordinances and standards. Reviews will include:

- Site access
- Parking lot geometry and operations
- Fire lanes and fire truck accessibility
- Handicap accessibility
- General grading (potential retaining walls required, etc.)
- Watermain and sanitary sewer design
- Utility service lines
- Site lighting
- Stormwater management/detention

- Erosion control
- Environmental issues (potential contamination)
- Site landscaping
- Easement requirements

The above items as well as any other engineering requirements of the Village or County will be reviewed by V3 and coordinated with the Village staff.

Floodplain Reviews

V3 would also establish a permitting process for single-lot development in the floodplain, if a process does not already exist. Exterior improvements will be reviewed to determine whether or not the proposed project will result in fill being placed within the floodplain. Improvements to individual structures will be reviewed and tracked in conformance with the Village's Substantial Damage and Substantial Improvement regulations.

V3 has a long history of working with land developers and brokers and can engage them on an individual basis to discuss development opportunities in Bensenville.

Development Assistance

Engaging land developers and brokers as stakeholders can be an important way to understand the redevelopment opportunities and barriers in any given community. However, these types of land development professionals do not provide consulting services and it can be difficult to engage these professionals. V3 has a long history of working with land developers and brokers and can engage them on an individual basis to discuss development opportunities in Bensenville.

We have also brought professionals onto a project team utilizing the Urban Land Institute Technical Assistance Panel to engage with community leadership to evaluate potential improvements in beneficial land use.

Alternatively, we have also brought these professionals onto a project team utilizing the Urban Land Institute Technical Assistance Panel. Urban Land Institute (ULI) is made up of professionals who are focused on the responsible use of land. ULI members are a diverse group of developers, engineers, land owners, architects, planners, bankers and financial institutions and real estate managers and brokers.

Focus areas for ULI include:

- Intelligent Densification and Urbanization
- Creating Resilient Communities
- Understanding Demand and Market Forces
- Connecting Capital and the Built Environment
- Integrating Energy, Resources and Uses Sustainably

Through ULI, these professionals are engaged directly in the type of redevelopment that Village of Bensenville is seeking for their commercial area. ULI routinely receives requests from communities to assist with addressing community problems such as unifying disjointed areas of town and attracting businesses to fill vacant stripmalls. In these cases, ULI will put together Technical Assistance Panels (TAP), which

APPROACH TO CLIENT SERVICES



Image source: ULI Chicago Addressing Retail Challenges with Suburban Clusters - ULI Chicago

engage with a community leadership team to evaluate potential improvements in beneficial land use. The TAP is a volunteer team made up of various ULI members with development, consulting, banking, and design expertise. The TAP conducts a community needs assessment with the community leaders, and provides recommendations on various financial, infrastructure, transportation and land use aspects of the community.

V3 has participated as a volunteer on the ULI TAP program, and we believe this would be a valuable partnership for the Village of Bensenville.

SECTION 3

SIMILAR PROJECT EXPERIENCE

75TH STREET RECONSTRUCTION FROM ADAMS STREET TO PLAINFIELD ROAD





Project / Client	75th Street Reconstruction from Adams Street to Plainfield Road / DuPage County Division of Transportation
Scope of Work / (Contractor) / Client POC	Reconstruction of one mile of 75th Street (County Highway 33) from west of Adams Street to east of Plainfield Road, upgrading it from a four-lane rural roadway section to a six-lane urban facility. Phase II / Central Blacktop Co. / Chris Snyder, Chief Highway Engineer, p: 630.407.6910, e: christopher.snyder@dupageco.org
Project Team	Vince Del Medico – Project Manager, Jason Holy – Project Engineer, Elora Hsu – Design Engineer, Mike Rechtorik – Lighting Design
Construction Cost / Fee / Year	$ 13,450,000 / $484,016 / 2012-2015

PROJECT HIGHLIGHTS:

- The scope also included adding auxiliary lanes at the Cass Avenue and Plainfield Road intersections with 75th Street to further enhance traffic flow through the corridor. 75th Street within the project limits is designated as a strategic regional arterial
- Updated traffic projections were developed to evaluate proposed intersection geometrics approved several years earlier as part of the original Phase I Study. The new data, along with a detailed review of potential access, pedestrian and constructability issues, were used to modify the geometrics accordingly
- The project involved improving access to two schools, a historic civic property and the future Darien Town Center development which required extensive coordination with the City, Darien School District #61 and the Darien Historical Society
- A stormwater management permit for submittal to the DuPage County Department of Economic Planning and Development was completed
- Temporary traffic signals were designed for construction staging and all traffic signals within the project were modernized and replaced. A new interconnected traffic signal system was also designed as part of the project
- The project also included the removal of the City of Darien's existing lighting system and replacement with new decorative light poles

75TH STREET RECONSTRUCTION FROM ADAMS STREET TO PLAINFIELD ROAD

- An addendum to the approved 75th Street Phase I Study was completed to document revisions to the roadway geometrics originally proposed within the project limits
- The project was federally funded (utilizing CMAQ and STP funds) and processed through IDOT - Local Roads

143RD STREET & LAGRANGE ROAD CORRIDOR IMPROVEMENTS





Project / Client	143rd Street & LaGrange Road Corridor Improvements / Village of Orland Park
Scope of Work / (Contractor) / Client POC	Reconstruction project included extensive corridor aesthetic enhancements and improvements of the roadway and intersections along LaGrange Road from Southwest Highway to 144th Place and along 143rd Street from the Norfolk and Western Railroad crossing to LaGrange Road. Phase II & III / F.H. Pashen / John Ingram, Public Works Director, p:708.403.6104, e: jingram@orland-park.il.us
Project Team	Vince Del Medico – QA/QC, Jason Holy – Project Engineer, Elora Hsu – Design Engineer, Jeff Kline – Utilities, Mike Rechtorik – Lighting, Tom Valaitis – Phase III Project Manager
Construction Cost / Fee / Year	$20,808,000 / $656,525 / 2010-2013

PROJECT HIGHLIGHTS:

- Extensive coordination with IDOT was required to secure permits for the corridor enhancements
- The project included roadway widening for an additional through lane in each direction, with dual left turn lanes and single right turn lanes on all legs of the intersection, as well as new storm sewer and watermain design
- Aesthetic enhancements included extensive parkway and median landscaping, median planters, monument signage and brick paver sidewalks
- Electrical enhancements included street lighting, decorative lighting, holiday tree lighting system, lighted holiday festoons, illuminated street name signage, black powder coated streetlight fixtures and traffic signal equipment
- Irrigation enhancements included an automated system for parkway and median landscaping on both 143rd Street and LaGrange Road

***Owner Letter for ACEC Submittal and Client Letter on following pages**

143RD STREET & LAGRANGE ROAD CORRIDOR IMPROVEMENTS

- This project included the design and permit approval of a special detail for brick paver crosswalks across LaGrange Road, representing the only permitted location of a brick crosswalk on a state-marked arterial roadway in IDOT District 1
- The project scope included full depth pavement pavement removal and replacement and widening of more than one mile of existing concrete pavement on 143rd Street and LaGrange Road with full-depth PCC pavement
- Other construction activities included new watermain, storm sewer, new traffic signals at three intersections and roadway lighting
- V3 coordinated adjacent projects with the Village, contractor, IDOT and associated consultants to minimize impacts to the traveling public
- This project received a 2013 ACEC-IL Special Achievement Award

***Owner Letter for ACEC Submittal and Client Letter on following pages**

MAYOR
Daniel J. McLaughlin

VILLAGE CLERK
David P. Maher

15655 S. Ravinia Ave.
Orland Park, IL 60462
(708) 403-6350

www.orland-park.il.us

TRUSTEES
Kathleen M. Fenton
Brad S. O'Halloran
James V. Dodge
Edward G. Schussler III
Patricia A. Gira
Carole Griffin Ruzich

PUBLIC WORKS DEPARTMENT

October 12, 2012

Awards Selection Committee
American Council of Engineering Companies
5221 South Sixth Street - Suite 120
Springfield, Illinois 62703

Re: 2013 Call for Entries – 143rd Street and LaGrange Road Improvements

Dear Awards Committee:

The Village of Orland Park is very pleased to nominate the professional services provided by V3 Companies (V3) associated with the construction management and engineering design of the 143rd Street and LaGrange Road Improvements Project for the American Council Engineering Companies' prestigious Engineering Excellence Award.

V3's efforts, regarding the engineering design and construction management of this project, resulted in a significant improvement to the safety, maintenance, traffic management and overall aesthetics of the Centerpiece intersection of the Village of Orland Park. Their hard work and determination are worthy of ACEC's 2013 Engineering Excellence Award in the Transportation Projects category.

The Village of Orland Park endorses V3's submittal of the 143rd Street and LaGrange Road project for the ACEC Engineering Excellence Awards competition. We also authorize the publication of the outstanding features and unique aspects of this project.

Sincerely,

John J. Ingram
Infrastructure Maintenance Director

cc: Louis J. Gallucci, Principal/Executive Vice President
V3 Companies

MAYOR
Keith Pekau

VILLAGE CLERK
John C. Mehalek

15655 S. Ravinia Avenue
Orland Park, IL 60462
708.403.6350
OrlandPark.org

ORLAND PARK

PUBLIC WORKS & BUILDING MAINTENANCE

TRUSTEES
Kathleen M. Fenton
James V. Dodge
Patricia A. Gira
Carole Griffin Ruzich
Daniel T. Calandriello
Michael F. Carroll

October 17, 2017

Kurt Corrigan
V3 Companies
7325 Janes Ave
Woodridge, IL 60517

Dear Kurt,

As we near the end of the LaGrange Road corridor enhancement project I just wanted to send a note to you and your colleagues at V3 and say thank you for making it happen. The Village has been very pleased with the Construction Management delivery method. It enabled the Village to budget the project in three separate years and not fully encumber much needed capital funds. V3's ability to work with IDOT and its' contractor to execute the work, as it became available, was critical to completing the project seamlessly, as IDOT finished their project. The residents, commuters, businesses and shoppers can now enjoy a beautiful 6.5 mile corridor thru Orland Park.

Thank you again for you and your team's attention to the details and working with a variety of Village staff to successfully complete the project. We look forward to continued success working with V3. Keep up the good work.

Sincerely,

John J. Ingram
Director of Public Works

ARDMORE AVENUE STREETSCAPE ENHANCEMENTS



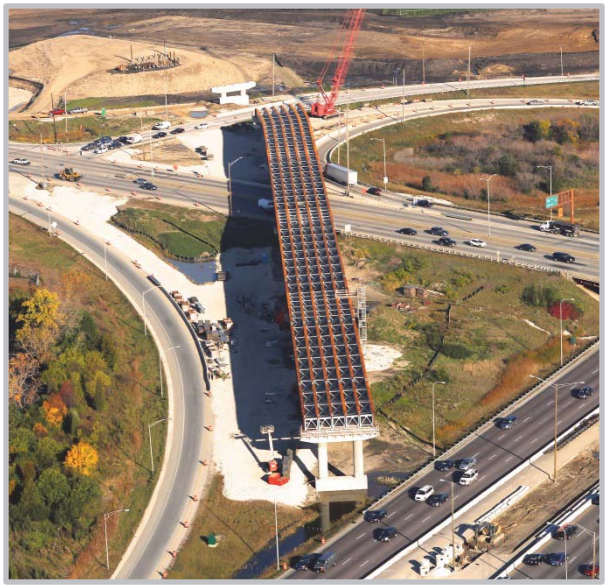


Project / Client	Ardmore Avenue Streetscape Enhancements / Village of Villa Park
Scope of Work / (Contractor) / Client POC	Project consisted of two segments of streetscape enhancements and parking improvements along Ardmore Avenue. Phase I, II & III / Alliance Contractors / Vydas Juskelis, Director of Public Works, P: 630.834.8505, E: juskelis@invillapark.com
Project Team	Mike Rechtorik – Project Manager, Jason Holy – Roadway Support, Elora Hsu – Project Engineer, Jeff Kline – Grant Application
Construction Cost / Fee / Year	$1,622,204 / $104,356 / 2013-2015

PROJECT HIGHLIGHTS:

- Streetscape enhancements to both segments included gateway features (signage, landscaping, irrigation and water fountains), LED ornamental pedestrian streetlights, hardscape features, landscaping and wayfinding signage
- Sidewalk construction near the Ardmore Avenue bridge over the Canadian National Railway involved embankment construction to support the sidewalk as well as the relocation and installation of guard rail
- Accommodations for pedestrian lighting were included in the adjacent Ardmore Avenue bridge replacement project, which V3 was the prime consultant
- Phase III construction engineering included sidewalk improvements consisting of installation of ADA compliant ramps and detectable warnings. The sidewalk also included decorative features utilizing stamped and colored concrete at the street returns
- HMA widening was provided to improve on-street parking within the commercial area
- This project was funded by the Illinois Transportation Enhancement Program (ITEP) and processed through IDOT – Local Roads

ELGIN O'HARE WESTERN ACCESS CONSTRUCTION CORRIDOR MANAGER





Project / Client	Elgin O'Hare Western Access Construction Corridor Manager / Illinois Tollway
Scope of Work / (Contractor) / Client POC	This $3.4-billion project for the Illinois Tollway consists of more than 12 miles of new tollway. Phase III / Various Contractos / Paul Kovacs, Chief Engineer, P: 630.864.8170, E: pkovacs@getipass.com
Project Team	Pete Stukas – Project Manager, Tom Valaitis – QA/QC, Ed Benesh – Senior Field Engineer, Mike Wallin – Construction Inspector
Construction Cost / Fee / Year	$ 800,000,000 / $14,203,673 / 2013-2018

PROJECT HIGHLIGHTS:

- V3 is leading the delivery of the first segment of this $3.4-billion project for the Illinois Tollway
- The project consists of more than 12 miles of new tollway. It is the first time that an existing expressway will be transferred into a tollway and approval is required by the US Congress and Illinois General Assembly
- The western six miles includes widening of the existing Elgin O'Hare Expressway, reconstruction and/or rehabilitation of 12 bridges, construction of new fiber optic and tolling facilities, installation of a variety of intelligent transportation system elements, new noise walls, new sign structures and dynamic message trusses, new detention facilities and extensive landscaping
- The eastern six miles includes new mainline pavement both on new and existing alignment, construction of raised embankment with more than 1,000,000-cubic-yards of imported embankment and more than 2,000,000-cubic-yards of overall earthwork, nearly 40 lane miles of new concrete pavement, construction of 22 new bridges, construction of new fiber optic and tolling facilities, installation of a variety of intelligent transportation system elements, new noise walls, new retaining walls, new detention facilities and extensive landscaping

***Owner Letter for ACEC Submittal on following page**

ELGIN O'HARE WESTERN ACCESS CONSTRUCTION CORRIDOR MANAGER

- The project includes of the reconstruction of the Eisenhower Expressway (I-290) Interchange. The signature feature of the project, this portion of the corridor consists of more than $140 million of improvements, includes two flyover bridges with curved steel girders, seven other mainline and ramp bridges, along with mainline and ramp pavements, extensive earthwork and detention facility construction and retaining and noise wall installation
- V3 is overseeing more than 25 separate construction contracts, coordinating activities with more than 10 local agencies and managing 10 separate construction management firms to inspect and document the improvements

***Owner Letter for ACEC Submittal on following page**

October 10, 2017

Awards Selection Committee
American Council of Engineering Companies
5221 S. Sixth St. Suite 120
Springfield, IL 62703

Re: Call for Entries – IL 390 at I-290 Interchange Ramps

Dear Awards Committee:

The Illinois Tollway is very pleased to nominate the professional design and construction management services provided by V3 Companies (V3), TY Lin International and CH2M, associated with the new ramps at Illinois Route 390 and I-290, for the American Council Engineering Companies' prestigious Engineering Excellence Award.

The team's efforts to overcome the challenges of designing and constructing a highly complex project made up of three separate construction contracts with three different prime contractors all within overlapping footprints, as well as close coordination with several outside agencies and municipalities resulted in significant operational benefits to the motoring public as well as enhanced development opportunities in the future for the region. Their hard work and determination is worthy of ACEC's 2017 Engineering Excellence Award in the Transportation Projects category.

The Illinois Tollway is proud to support the V3, TY Lin International and CH2M submittal of the Illinois Route 390 at I-290 interchange ramp project for the ACEC Engineering Excellence Awards competition. We also authorize the publication of the outstanding features and unique aspects of this project.

Sincerely,

Paul D. Kovacs, P.E.
Chief Engineer
Illinois Tollway

KEYSTONE ROAD & CHARTRES DRIVE STORMWATER IMPROVEMENTS



Project / Client	Keystone Road & Chartres Drive Stormwater Improvements / Village of Northbrook
Scope of Work / (Contractor) / Client POC	Northbrook selected V3 to perform a storm sewer analysis and prepare final engineering plans for a flood-relief project that was identified as part of the Master Stormwater Management Plan (MSMP) update following the July 2011 storm event. Phase I & II / DK Construction / James Baxa, Civil and Special Projects Engineer, P: 847.272.5050x243, E: Jim.Baxa@Northbrook.il.us
Project Team	Shauna Urlacher – Project Manager, Brendan O'Bryan – Design Engineer
Construction Cost / Fee / Year	$1,058,000 (Bid Price) / $111,311 / 2016-2018

PROJECT HIGHLIGHTS:

- During the July 22-23, 2011 storm event, 5.26-inches of rain was recorded in the Village of Northbrook and the intersection of Keystone Road and Chartres Drive was one of 22 areas reporting flooding that was studied following the 2011 storm
- This project is a joint venture between the Village of Northbrook and the Northbrook Park District where the Village worked with the Park District to provide stormwater management on Park District Property. V3 developed a design that brought a trunk storm sewer from the flood-prone intersection, between residential homes, to the Park District property. At the park, soccer fields were raised and lowered to balance the earthwork onsite and providing the required detention without incurring the cost of exporting excess soil offsite
- V3 worked with the Village, Park District and the Metropolitan Water Reclamation District of Greater Chicago to balance regulatory requirements, park aesthetics and stormwater management
- The project includes 2,500 lineal feet of storm sewer, 3.36 acre-feet of additional detention volume, 245 feet of eight-inch water main and bike paths

OAK PARK WATERMAIN & SEWER IMPROVEMENTS





Project / Client	Oak Park Watermain & Sewer Improvements / Village of Oak Park
Scope of Work / (Contractor) / Client POC	V3 provided design engineering services and will also provide construction management services for the 17-17 Water and Sewer Main Improvements Project for the Village of Oak Park. The proposed work is along South and North Boulevard immediately adjacent to the Union Pacific Railway in downtown Oak Park. Phase II & III / Contractor TBD / Bill McKenna, Village Engineer, P:708.3568.5728, E: mckenna@oak-park.us
Project Team	Jason Holy – Roadway Design, Shauna Urlacher – Project Engineer, Joe Westerbeke – Drainage Design
Construction Cost / Fee / Year	Still Under Construction / $114,465 / 2017

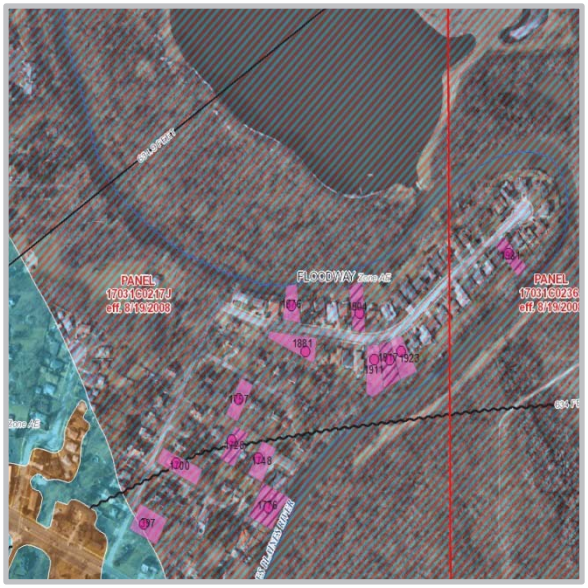
PROJECT HIGHLIGHTS:

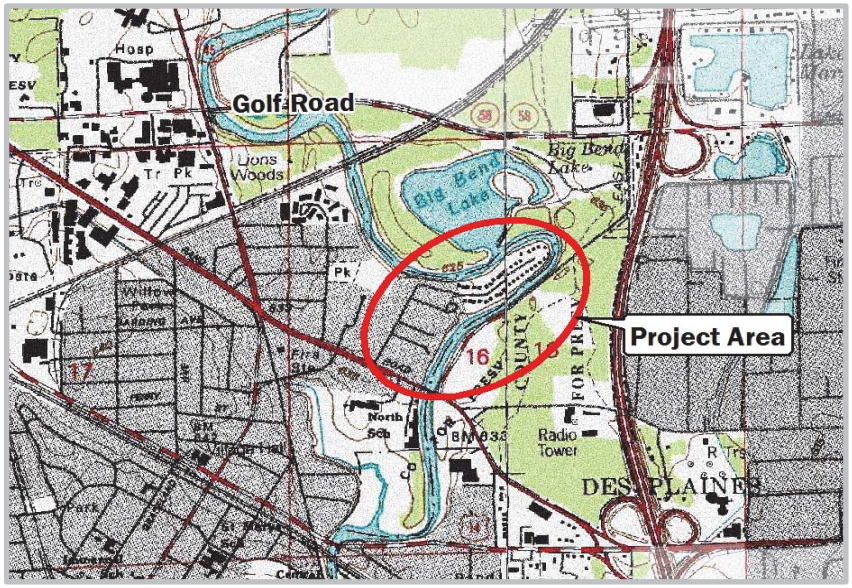
- Improvements include the lining and trenchless spot repairs of the existing 21-inch combined sewer along South Boulevard from Marion Street to Home Avenue. More than 750 feet of sewer will be lined within the project limits
- Approximately 1,550 feet of sewer will be removed and replaced along North Boulevard and Clinton Avenue. Almost 100 feet of combined sewer will be augured and encased under the Clinton Avenue viaduct and 1,100 feet of watermain will be replaced along both North Boulevard and Clinton Avenue
- Drainage improvements will also be provided on Kenilworth Avenue
- Improvements also include the installation of parking islands, pavement restoration and resurfacing, sidewalk/driveway replacement, ADA ramps and pavement markings
- Due to the project's urban location with train parking, businesses and dense residential buildings, a careful construction staging plan was developed to minimize the impact to local businesses and residences. An emphasis was placed on communication with the community

OAK PARK WATERMAIN & SEWER IMPROVEMENTS

- Extensive utility coordination was required. Permit coordination was also required with the Union Pacific Railway. V3 has experience with working with the UP in this region and was able to contact the local representatives early in the design process to shorten review time
- V3 presented design alternatives to the Village of Oak Park and was able to save the community money by rerouting a leg of the water main and sewer and by providing shallower pipe designs
- V3 designers worked with V3 construction management staff to develop a buildable plan set to ultimately minimize disruptions to the community during construction

PRE-DISASTER MITIGATION GRANT





Project / Client	Pre-Disaster Mitigation Grant / City of Des Plaines
Scope of Work / (Contractor) / Client POC	Pre-Disaster Hazard Mitigation (PDM) grant for the City of Des Plaines in response to the Federal Emergency Management Agency's (FEMA) 2015 funding opportunity announcement. Phase I / No Contractor / Jon Duddles, Assistant Director of Public Works, P: 847.391.5300, E: jduddles@desplaines.org
Project Team	Shauna Urlacher – Project Manager, Derrick Martin – QA/QC
Construction Cost / Fee / Year	Not Applicable / $10,525 / 2016

PROJECT HIGHLIGHTS:

- The project that was detailed in the grant application included acquisition of 12 flood-prone properties, demolition of the existing structures and restoration of the properties to open space; the application also included 11 alternate properties
- All of the properties included in the grant application are located in the Des Plaines River floodway, four are severe repetitive loss (SRL) properties and seven are repetitive loss (RL). Nearly all of the properties on the primary and alternate lists have first floor elevations below the 10-year flood elevation
- The intended outcome of the project is to remove residents from harm's way and remove flood-prone structures from the floodway, reducing future flood damages
- The Project would also relieve the City's emergency response duties for these properties, relieve FEMA of the disaster assistance that has been necessitated by the flooding, and reduce the risk to the National Flood Insurance Fund by properties within the City
- As part of the grant application, V3 prepared a comprehensive scope of work, mitigation project budget, project schedule and cost benefit analysis using FEMA's BCA Toolkit. V3 also conducted site visits, met with homeowners and prepared all of the required attachments for the grant submittal
- Once all of the required information for the grant application was prepared, V3 entered the data into FEMA's eGrants systems for review and submission by the City. The estimated cost for the acquisition of the 12 Des Plaines River floodway properties is $3,841,189 and the PDM grant request amount by the City of Des

Plaines was $2,868,011. The overall benefit cost ratio for the proposed project is 2.56, which far exceeded the minimum benefit cost ratio of 1.0

- V3 worked with Illinois Emergency Management Agency (IEMA) during the grant application process and determined that, due to the highly competitive nature of FEMA's PDM program, Des Plaines' application would not be included as one of IEMA's top three projects submitted to FEMA for consideration. Instead, the application will be used to apply for funds that have already been set aside for Illinois under the Hazard Mitigation Grant Program. With less competition for these funds, the City has a higher probability of receiving funding. V3 worked with the City , IEMA & MWRD and was able to secure $15 million in grant funds
- When identifying the structures to include in the grant application, V3 determined that several SRL structures within the City should not be included in the grant application. Some of the SRL structures were found to have more damage to contents within the building than to the structure. Additionally, several property owners did not complete a Voluntary Interest Form and could not be included in the application. Since V3 only had two weeks to prepare the grant application, we quickly eliminated the properties that had high contents damage and moved forward with gathering the required data for 30 properties. Those that did not submit Voluntary Interest Forms were removed from the application and the remaining properties were prioritized with SRL properties first, RL properties next and the remaining properties were prioritized by first floor elevation

ROUTE 59 METRA STATION PARKING LOT & INTERSECTION IMPROVEMENTS





Project / Client	Route 59 Metra Station Parking Lot & Intersection Improvements / City of Aurora
Scope of Work / (Contractor) / Client POC	The project consisted of resurfacing, reconfiguring and expanding the Route 59 Metra Station parking lot from 2,228 to 2,657 stalls and adding a new driveway to improve pedestrian, bike, vehicle and bus access to the train station. Phase I & II / A-Lamp Construction / Ken Schroth, Director of Public Works, P: 630.256.3200, E: kschroth@aurora-il.org
Project Team	Mike Rechtorik – Project Manager, Jason Holy – Project Engineer, Elora Hsu – Design Engineer, Joe Westerbeke – Drainage Design
Construction Cost / Fee / Year	$5,560,853 / $120,358 / 2012-2016

PROJECT HIGHLIGHTS:

- V3 prepared schematic design alternatives and budgetary cost estimates that included reconfiguring the parking lot to north-south drive aisles, short term drop-off and pick-up areas, designated motorcycle parking areas and a dedicated Pace bus area
- Extensive stormwater improvements were required to meet the County Stormwater Ordinance and included a large surface detention facility, a double 12-foot by six-foot box culvert and extensive naturalized landscaping
- New traffic signals and pedestrian crossings were added to improve pedestrian circulation and access and to meet current ADA standards
- New LED light fixtures and poles were also included
- An extensive surveillance camera system was designed to provide high-definition coverage of the entire parking facility and station area
- Provisions were made for new bicycle rack locations
- Coordination between the City and Pace was necessary to provide an appropriate location for the dedicated bus area. The existing east parking overflow lot will be converted to a designated bus staging area which was

a main concern with Pace. The bus area will have wide sidewalks and provisions for Pace to add shelters once the project is completed

- All work was completed in accordance to IDOT standards and guidelines
- The project was processed as a Categorical Exclusion Type 1 and received design approval from IDOT Bureau of Local Roads
- Funded by the Congestion Mitigation and Air Quality (CMAQ) program

Michigan Avenue Reconstruction & Sugar Creek Watershed & Storm Sewer Analysis





Project / Client	Michigan Avenue Reconstruction, Watershed & Storm Sewer Analysis / Village of Villa Park
Scope of Work / (Contractor) / Client POC	Reconstruction of Michigan Avenue from Jackson Street to Madison Street which also included a storm sewer analysis to remediate local flooding problems within the Sugar Creek watershed. Phase II / Contractor TBD / Vydas Juskelis, Director of Public Works, P: 630.834.8505, E: juskelis@invillapark.com
Project Team	Mike Rechtorik – Project Manager, Jason Holy – Project Engineer, Derrick Martin – Stormwater Support, Brendan O'Bryan – Design Engineer, Joe Westerbeke – Design Engineer
Construction Cost / Fee / Year	$ 1,900,000 estimated / $152,568 / 2017

Project Highlights:

- Prepared contract plans, specifications, and estimates for this locally funded project
- V3 is also providing preliminary engineering services for the Village's proposed relief sewer project to address drainage issues identified as Sugar Creek Problem Area 1
- Since a significant section of the proposed relief sewer is located along the Michigan Avenue reconstruction project limits, the Village wants to install the Michigan Avenue portion of the relief sewer under this project, which will result in cost savings and eliminate future disturbance in the project area
- The construction documents follow MFT format and specifications
- The scope of work includes topographic survey, CCDD evaluation and sample testing, roadway reconstruction, ADA ramps and sidewalks, storm sewer design, private driveway replacement, utility relocation, and sanitary and water line adjustments to residential properties. The project is currently in the bidding phase
- The size of the Sugar Creek watershed is approximately 4.2 square miles, with 1.8 square miles falling in Villa Park and the remainder in Lombard

MICHIGAN AVENUE RECONSTRUCTION & SUGAR CREEK WATERSHED & STORM SEWER ANALYSIS

- XP-SWMM modeling of the existing watershed and storm sewer network was performed and 15 distinct problem areas were identified
- V3 developed both storage and conveyance improvement alternatives for the problem areas to alleviate the flooding concerns and achieve the goals of the project
- Conveyance improvements typically consisted of increased capacity of storm sewer pipes and additional inlets at depressional storage locations
- V3 also included improved overflow routing for storm events in excess of the street and storm sewer capacities. Storage improvements were identified at school and park sites that may contribute to the detention of storm runoff before reaching the problem areas

DEVELOPMENT PLAN REVIEW SERVICES





Project / Client	Development Plan Review Services / Village of Villa Park
Scope of Work / (Contractor) / Client POC	Engineering services to the Village of Villa Park for the review of various residential, commercial and industrial developments. Phase Not Applicable / Contractor Not Applicable / Vydas Juskelis, Director of Public Works, P: 630.834.8505, E: juskelis@invillapark.com
Project Team	Jeff Kline – Development Plan Reviews, Derrick Martin – Stormwater Reviews
Construction Cost / Fee / Year	Not Applicable / $500,458 / 2007-2017

PROJECT HIGHLIGHTS:

- Applicable Village ordinances, standards and policies were reviewed to compile checklists for use in the review of preliminary and final plats of subdivision, concept plans, preliminary and final engineering plans, stormwater management reports, NPDES Phase II plans, landscape plans, lighting and photometric plans, traffic signal plans, soils reports, wetlands reports, cost estimates and other supporting documents
- The review checklists were revised and updated on a regular basis to assure that Villa Park's most current ordinances and standards were being enforced
- Prior to beginning the review process for a new development, a field investigation of the proposed site was performed
- Upon completion of the technical review, all non-conforming items were summarized in a draft letter that was forwarded to the Village for staff review. Upon receipt of the Village's comments, the final review letter is prepared and distributed to Villa Park, the developer and the design engineer.

SECTION 4

QUALIFICATIONS OF STAFF

DESIGN ENGINEERING TEAM EXPERIENCE

	Name/Registration/ Title	Years of Exp./ @ Firm	IDOT/Municipal Project Experience
	**Shauna Urlacher, P.E., CFM, CPESC** Project Manager & Client Liaison *(Resume included at the end of this section)*	12/2	Shauna has 14 years of experience as a municipal engineer and has extensive experience in water engineering. In addition to being the primary contact for the Village, Shauna will also perform drainage and stormwater management as well as green infrastructure services and grant application assistance. Shauna currently assists the City of Des Plaines with ordinance updates, floodplain development reviews, the City's CRS program management, and grant applications. Through Shauna's efforts in grant writing, the City of Des Plaines was awarded $15 million in grant funding from FEMA and MWRD in 2015.
	**Kurt Corrigan, P.E** Grant Assistance / Community Improvement Planning & Budgeting / Pavement Management *(Resume included at the end of this section)*	26/1	Kurt has more than 26 years of experience in municipal civil engineering. His experience includes working for both the public and private sector as a project manager and village engineer. Because of this varied experience serving in different capacities and markets Mr. Corrigan brings a unique perspective to project success. His hands on approach to project management focuses on making an impact with both the client and the community.
	**Vince Del Medico, P.E.** Quality Assurance & Quality Control	23/10	Vince is V3's Director of Transportation and Municipal Engineering Services with more than 23 years of planning and design experience on major arterial and highway transportation projects for IDOT, county DOT's, local municipalities and the Illinois Tollway. He has provided both Phase I and II engineering services for a variety of locally led, federally funded roadway improvement projects that were processed through IDOT-Local Roads. More recently, Vince served as the project manager for the 75th Street improvement project for the DuPage County DOT and the Bethel Lane Relocation project for the Village of Schaumburg. Vince's extensive design experience makes him ideally suited to provide QA/QC services for all project assignments.

DESIGN ENGINEERING TEAM EXPERIENCE

	Name/Registration/ Title	Years of Exp./ @ Firm	IDOT/Municipal Project Experience
	**Mike Rechtorik, P.E., PTOE** Project Engineer & Lighting Design *(Resume included at the end of this section)*	24/12	Mike has 23 years of experience specializing in Phase I and II engineering services for state, county and local municipalities in a variety of areas that include roadway improvements, intersection geometrics, ADA/ramp/sidewalk design, traffic signals, traffic operations, safety, ITS and lighting design. His experience also includes a wide range of projects that received federal funds and processed through IDOT, local funds and processed through the county or the local municipality and private funding and processed as a permit.
	**Jason Holy, P.E.** Roadway Engineer	18/16	Jason has more than 18 years of experience in transportation engineering with a focus on the areas of roadway and intersection design, parking lot design, utility design/coordination, maintenance of traffic, bicycle and pedestrian facilities (including ADA design), contract document preparation and construction inspection/observation. His experience includes a wide range of Phase I and II projects for IDOT, county DOT's, Illinois Tollway and local municipalities. Jason will use his substantial experience and technical expertise to insure that the designs of all infrastructure projects are practical and constructible.
	**Elora Hsu, P.E.** Phase I / IDS	10/10	Elora has ten years of experience with the planning and design of transportation and infrastructure facilities for a wide range of projects including roadway, urban redevelopment, parks and recreation, bicycle and pedestrian facilities, underground utilities and traffic studies. Her experience includes preparing Phase I studies, intersection design studies, geometric design of roadways, capacity and operational analyses, contract document preparation and preparing cost estimates.

DESIGN ENGINEERING TEAM EXPERIENCE

	Name/Registration/ Title	Years of Exp./ @ Firm	IDOT/Municipal Project Experience
	**Joe Westerbeke, P.E., CFM** Drainage Design	5/4	Joe has five years of experience in stormwater design for roadway, commercial, and residential developments. Primary responsibilities include design of erosion control measures, analysis of site maintenance of drainage, design of site grading, and design and analysis of stormwater management systems. Joe was responsible for the XP-SWMM model for the Melvina Ditch Reservoir Expansion and also performed the cost/benefit analysis. He was also responsible for preparation of the design drawings and quantity take-offs for the Mayfair Reservoir Expansion storm sewer system.
	**Brendan O'Bryan, P.E., CFM** Pump Stations	2/2	Brendan is responsible for the stormwater design for various projects. Primary responsibilities include design of erosion control measures, analysis of site maintenance of drainage, design of site grading, and design and analysis of stormwater management systems. Brendan was responsible for preparation of the Crabtree Creek Bank Stabilization design drawings and quantity take-offs. As Design Engineer, Brendan would be responsible for updating the existing hydraulic model and modeling the proposed alternatives. He would also assist with report preparation, quantity takeoffs, and creation of exhibits for inclusion in the report.
	**Carl Schwarzer, P.E.** Traffic Signals	5/5	Carl has five years of engineering experience working primarily in signal design and traffic engineering operations. His experience includes projects for the Illinois Tollway, state and county transportation agencies and permitting signal projects with private developers.

DESIGN ENGINEERING TEAM EXPERIENCE

	Name/Registration/ Title	Years of Exp./ @ Firm	IDOT/Municipal Project Experience
	**Jeff Kline, P.E.** Utilities *(Resume included at the end of this section)*	28/18	Jeff has more than 28 years of experience focused on municipal engineering. Jeff oversees the design, review and inspection of public improvement projects, including water transmission and distribution systems, stormwater management systems, transportation infrastructure and private developments.
	**Derrick Martin, P.E., CFM, CPESC** Stormwater Permitting *(Resume included at the end of this section)*	19/18	Derrick is the Manager of V3's Water Resources Group where he oversees and/or directly manages projects involving hydrologic and hydraulic analyses associated with roadway improvements, floodplain and stormwater management, watershed studies and existing drainage assessment and remediation. ~~County.~~ He will be responsible for completing the drainage calculations as well as the Phase II drainage, erosion/sediment control and landscaping plans.
	**Pete Stukas, P.E.** Constructability Reviews *(Resume included at the end of this section)*	33/20	Pete has more than 33 years of engineering experience involving highway and site development planning, design and construction. Mr. Stukas brings with him a unique perspective in the oversight of large-scale roadway and bridge projects. He has also participated in several statewide task forces studying various aspects of bridge construction and contract administration.
	**Ted Niemeyer, P.E.** Railroad Coordination	42/3	Ted Niemeyer, P.E., Railroad Engineer & Coordination, has 45 years of experience in railroads, including economic viability studies, bridge inspection and bridge/track rehabilitation. He worked for the Chicago & North Western Transportation Company (now the Union Pacific RR) from 1971 – 1989. His railroad experience includes route selection, environmental statement preparation, negotiation and execution of permits and agreements for construction and preparation of bid packages. Ted will assist in permit applications and coordination with the railroads.

RESIDENT ENGINEERING TEAM EXPERIENCE

	Name/Registration/ Title	Years of Exp./ @ Firm	IDOT/Municipal Project Experience
	**Peter Sathissarat, P.E.** Resident Engineer	18/18	Peter has over 18 years of experience in construction engineering, including construction management, observation and inspection services. Peter has provided resident engineering services on numerous water main and utility improvement projects. He also provided Resident Engineer services for the CDOT and IDOT – District 1 on two major construction projects. Peter is currently working in Joliet and has been the Resident Engineer on the Combined Sewer Overflow Long-Term Plan, Wet Weather Treatment Facility and on the Aux Sable Creek Basin and Westside Waste Water Treatment Plant Expansion. He provides constructability reviews during the design process.
	**Ed Benesh, P.E.** Resident Engineer	13/12	Ed is a detail oriented professional with experience in bridge, roadway, and utility construction. He brings a unique combination of experience in construction management, inspection, documentation, and survey on various IDOT, ISTHA, CDOT, CDOWM, and Metra projects. His background includes bridge and roadway rehab and construction, water main, storm sewer, sanitary sewer, and survey. A highly motivated problem solver with strong analytical, organizational, and communication skills. As a former municipal employee, Ed understands the importance of budgets, maintaining schedules, and residential outreach. This experience has enabled Ed to deliver many recent large diameter sewer projects for the City of Chicago on time, under budget, with extensive coordination with local stake holders.

RESIDENT ENGINEERING TEAM EXPERIENCE

	Name/Registration/ Title	Years of Exp./ @ Firm	IDOT/Municipal Project Experience
	**Tom Valaitis, P.E.** Quality Assurance & Quality Control	31/13	Tom has more than 31 years of construction management experience with transportation projects for IDOT, county DOT's, Illinois Tollway and various municipalities throughout the Chicagoland area. He has served as the Bureau Chief of both Materials and Construction for IDOT District One. As Director of V3's Construction Engineering Group Tom's responsibilities will be to ensure that our team delivers our construction engineering services with the highest level of professionalism and that the Village is satisfied with our performance.
	**Mike Wallin** Construction Inspector	18/12	Mike has more than 18 years of experience in transportation engineering. He has coordinated initial surveys, project design and Resident Engineering services. His construction inspection experience included PCC and HMA pavement, storm sewer, earthwork, bridges and retaining walls. He also has received training in materials testing and documentation of materials from IDOT.
	**Brian Parks** Construction Inspector	21/3	Brian as more than 21 years of civil engineering experience with expertise in managing projects from design to implementation stage. Skilled at constructing per specifications in a stipulated time with quality, including producing cost estimates, plans and specifications for watermain, storm sewer, roadway pavement and traffic signal projects.

STORMWATER TEAM EXPERIENCE

Name/Registration/ Title	Years of Exp./ @ Firm	IDOT/Municipal Project Experience
 **Jeff Kline, P.E.** Development Reviews *(Resume included at the end of this section)*	28/18	Jeff has more than 28 years of experience focused on municipal engineering. Mr. Kline provides municipal code compliance reviews for the City of Chicago Department of Buildings as well as development reviews for local municipalities to assure that residential, commercial and industrial developments are in compliance with municipal codes and applicable stormwater ordinances.
 **Derrick Martin, P.E, CFM, CPESC** Stormwater Reviews *(Resume included at the end of this section)*	26/1	Derrick is the manager of V3's Water Resources Group where he oversees and/or directly manages projects involving hydrologic and hydraulic analyses associated with roadway and site development floodplain and stormwater management, watershed studies, stream and lake restoration, bank and shoreline stabilization, and existing drainage assessment and remediation. He possesses a comprehensive understanding of the federal, state, and local stormwater regulations as they relate to watershed improvements and/or site design and the associated permitting process. Derrick will provide a primary liaison role to the DuPage County Stormwater department, where he has developed excellent relationships with the County engineers and stormwater team

Shauna Urlacher, P.E., CFM, CPESC

Project Manager & Client Liason

Years of Experience

With V3: 2
Other: 12

Education

Masters of Engineering in Professional Practice
University of Wisconsin Madison

Bachelor of Science
General Engineering
Montana Tech

Certifications

Professional Engineer
Illinois, 062060451

Certified Floodplain Manager (CFM)
IL-05-00201

Certified Professional in Erosion and Sediment Control (CPESC)
8047

Professional Associations

Illinois Association for Floodplain and Stormwater Management (IAFSM)
Stormwater Management Committee Chair

Ms. Urlacher is Project Engineer in our Environment and Natural Resources Division. Her extensive experience in water engineering makes her a valuable addition to any development project. Ms. Urlacher has expertise in grant and loan applications to provide funding for multiple projects. She is trained in a variety of software including HEC-RAS, ArcView 10 GI and XP Software.

Noteworthy Project Experience

Keystone/Chartres Stormwater Management Project, Village of Northbrook, Northbrook, Illinois – Project Manager responsible for coordination with the Village and Park District as well as preparation of final engineering plans and specifications. The project includes construction of a 36-inch bypass storm sewer and expansion of an existing detention basin on Park District property, providing an additional 3.36 acre-feet of detention volume. Soccer fields were raised and lowered to provide the additional storage volume, while balancing the earthwork on the park property. Additional infrastructure improvement includes watermain, pavement removal and replacement, bike path, sidewalk, and site restoration.

Stormwater Master Plan for Roberts Road Drainage Area, Metropolitan Water Reclamation District, Cook County, Illinois – Project Engineer for a stormwater study and master plan for a 12-square-mile area in the Cal-Sag Watershed of southern Cook County, including five separate sub-watersheds. Responsibilities included identifying private property solutions. The project goal is to identify and evaluate drainage and flooding problem areas within the study area and recommend alternatives that can provide a 100-year level of protection to all structures, including protection against basement flooding. The project includes high-level, conceptual modeling with HEC-RAS and XP-SWMM. One challenge was proper representation of the Lucas Ditch and Lucas Diversion Ditch sub-watersheds, as water crosses back and forth between the watersheds during flood events resulting in "fingers" of floodway that follow the streets through a residential neighborhood. Alternatives include traditional engineering approaches and creative green infrastructure and planning recommendations, such as creation of new green space along a corridor with high flood frequency, to provide public recreation and open space in a heavily urban / suburban area and remove the most likely-to-flood properties from the flooding area, with new high density housing elevated beyond the flood fringe. The stormwater master plan is unique in that it also seeks alternatives on private property. These alternatives included green infrastructure on residential properties, such as rain cisterns and rain gardens; underground storage on commercial, industrial and institutional properties; and redevelopment of vacant / underutilized properties to create additional opportunities for flood storage. The project involves public relations and community engagement to encourage the public to be part of the flooding solution, including use of green infrastructure on private properties to reduce stormwater runoff.

Brewster Creek Wetland Delineation & Soil Investigation, Forest Preserve District of DuPage County, Bartlett, Illinois – Project Engineer responsible for updating the XP-SWMM model for this 105-acre parcel located in Pratt Wayne Woods that presented many wetland delineation challenges including the apparent accumulation of sediment from adjacent agricultural fields which created a-typical conditions in some locations. Conducted in accordance with the USACE Wetlands Delineation Manual, the delineation identified 57.5 acres of wetlands. V3 also evaluated the restoration potential of the main wetland present on the property by conducting a detailed soil investigation, recording soil and hydrologic data at 200 sampling points and continues to assist the

client with their wetland restoration planning.

Big Marsh Wetland Delineation & Restoration, ARAMARK Facility Services, Calumet, Illinois – Project Engineer responsible for dam removal permitting on this project, which also involved wetland delineation and vegetation mapping of a 300 acre property acquired by the Chicago Park District. Big Marsh is a historic wetland along the original Lake Calumet and is hydrologically connected to Lake Michigan by the Calumet River. It was partially filled years ago with slag, a waste product from area steel mills. A wetland delineation was required to assist in the future ecological restoration and recreational planning for the marsh and to support a Great Lakes Restoration Initiative grant that required the client to restore about 50 acres of the property. Responsibilities included preparing the IDNR Dam Removal Permit application to remove a Class III dam separating two impoundments within Lake Calumet. The proposed plans expand an existing breach in the dam and lower the top elevation, effectively removing the dam and creating a free and open connection between the two impoundments. Removing this dam simplifies construction and maintenance of the area and relieves the Park District and IDNR of dam maintenance and inspection obligations. Big Marsh is part of the Illinois Department of Natural Resources Millennium Reserve Initiative

Crabtree Creek Streambank Stabilization, Village of Woodridge, Woodridge, Illinois – Project Engineer responsible for preparation of final engineering plans, specifications, and permitting for the streambank stabilization of Crabtree Creek. The Village of Woodridge, in partnership with the Woodridge Park District, obtained an IEPA 319 Grant for the stabilization of Crabtree Creek. The project included bank reshaping, gabion baskets, rock cross vanes, rock grade control, stone toe, and native vegetation. Grant administration services were also provided, which included an Operation and Maintenance Plan, BMP forms, pollutant load reduction calculations, and other grant documentation.

St. Etienne Flood Risk Reduction Plan, International Organization for Migration, Port-Au-Prince, Haiti – Project Engineer responsible for the final engineering plans and specifications for streambank stabilization along Rivière Gris to protect a proposed development from streambank erosion. Severe bank erosion resulted in the river migrating approximately 700 feet southwest since 2003. The most effective streambank stabilization was found to be gabion baskets, which were designed to redirect the river back into its original alignment. V3 determined that an additional 1200 lineal foot gabion wall was needed along the exposed channel bank to protect the St. Etienne Community from future erosion. The proposed gabion wall range in height from 13 to 16 feet and provides the necessary structural integrity against scouring from large storm events having velocities in excess of 10 feet per second.

2015 Pre-Disaster Mitigation Grant Application, City of Des Plaines, Des Plaines, Illinois – Project Manager responsible for preparing a 2015 Pre-Disaster Hazard Mitigation (PDM) grant application for the City of Des Plaines. The mitigation project included acquisition of flood-prone properties, demolition of the existing structures, and restoration of the properties to open space. All of the properties included in the grant application are located in the Des Plaines River floodway, four were severe repetitive loss (SRL) properties, and seven are repetitive losses (RL). V3 prepared a comprehensive scope of work, mitigation project budget, project schedule, and cost benefit analysis using FEMA's BCA Software. V3 worked with the Illinois Emergency Management Agency (IEMA) during the grant application process and determined that, due to the highly competitive nature of FEMA's PDM program, the application would be moved to another funding source where the City has a higher probability of receiving funding. Working with IEMA and MWRD, V3 assisted the City in securing nearly three times the requested amount.

Community Rating System (CRS) Program Evaluation, City of Des Plaines, Des Plaines, Illinois – Project Manager responsible for evaluating the City of Des Plaines' CRS Program and determining the CRS points the City can expect to receive under the new CRS Coordinator's Manual as well as identifying opportunities for the City to increase its CRS classification. It was determined that small enhancements to the City's current activities would not result in sufficient CRS points to meet the City's goal of a CRS Class 5. Therefore, V3 performed a benefit/cost analysis for new activities considering initial costs, annual updates, and staff-time to develop an annual cost per CRS credit point for each activity, which was used to select the additional CRS Activities the City would implement.

Kurt Corrigan, P.E.

Grant Assistance, Community Improvement Planning & Budgeting, Pavement Maintenance

Years of Experience

With V3: Since 2017
Other: 26

Education

Bachelor of Science
Civil Engineering
Marquette University

Registrations

Professional Engineer:
Illinois, 062-051814, 1997

Professional Engineer:
Washington, 53939, 2016

Professional Associations

American Society of Civil Engineers, (ASCE)

American Public Works Association (APWA)

Mr. Corrigan has more than 26 years of experience in municipal civil engineering. His experience includes working for both the public and private sector as a project manager and village engineer. Because of this varied experience serving in different capacities and markets Mr. Corrigan brings a unique perspective to project success. His hands on approach to project management focuses on making an impact with both the client and the community.

Noteworthy Project Experience

Village of Orland Park, Orland Park, Illinois – Village Engineer and Transportation and Engineering Manager. Managed a staff of engineers and field personnel responsible for the review, approval and construction oversight of development and redevelopment projects. Administered the Metropolitan Water Reclamation District of Cook County Watershed Management Ordinance on behalf of the Village. As the Transportation and Engineering Manager managed multiple engineering consultants providing all phases and types of civil engineering tasks. Assisted the Village's Public Works Department with various projects as well as assisted with the department's pavement management program. Acted as Village liaison with various agencies including IDOT, Cook County Department of Transportation, Will County Department of Transportation and neighboring municipalities. Various transportation projects required applying for state and federal funding and he secured more than $8 million dollars for engineering and construction projects. Responsible for developing a Village-wide, 20-year transportation plan which was adopted into the Village's comprehensive plan. He developed the Village's annual transportation capital improvement projects which ranged from $10,000 to $50 million. Noteworthy projects include:

- US Route 45 (LaGrange Road) Corridor Enhancements – Permitted and managed construction of more than 6.5 miles of corridor enhancements including sidewalk installation, brick pavers, median irrigation, median electric for various functions including holiday lighting, median planter walls, median and parkway plantings, monument walls and columns at various intersections. The enhancement work totaled $12 million dollars. This project was delivered utilizing a construction manager delivery method to better manage and coordinate the Village work with the $100 million dollar IDOT widening and reconstruction project.
- 143rd Street & US Route 45 (LaGrange Road) Intersection & Streetscape Improvements (APWA Award Winner – Illinois Section Project of the Year for projects between $5-10 million) – This project included extensive corridor enhancements of the roadway and intersection. Additional turn lanes and through lanes, as well as new storm sewer and water main were included in the construction. Enhancements included sidewalk installation, brick pavers, median and parkway irrigation and electric, median planter walls, median and parkway plantings, monument walls and columns.
- Stellwagen Multi-Use Path – Managed the engineering and construction of a 2.5-mile path connecting three neighborhood parks. This project was one of several Open Lands initiatives.
- 143rd Street Widening & Reconstruction – Managed the Phase I and II engineering of the three-mile widening and reconstruction of 143rd Street from Will/Cook Road to Southwest Highway. This project included the realignment of Southwest Highway and combining two signalized intersections into one. The construction estimate of this project is $50 million dollars.

- 147th & Ravinia Avenue Roundabout – Managed the Phase I and II engineering of the Village's first single lane roundabout. The roundabout will replace a current four-way stop intersection located at the main entrance into the Village Municipal Center.
- Main Street Downtown Development – Assisted in the planning, design and management of the Main Street Downtown development which included a $14 million 500-space parking deck, 120,000 square foot University of Chicago Medical building. Other improvements included designing and constructing a streetscape. The entire road utilized permeable pavers to meet stormwater management requirements and provide best management practices.

Christopher B. Burke Engineering, Ltd., Rosemont, Illinois – Project Manager for various transportation engineering projects ranging from $10,000 to $10 million. Responsibilities included Phase I and II engineering projects, obtaining IDOT permits for traffic signal and roadway projects, development reviews for private and public site engineering and permitting projects, municipal utility and transportation planning and engineering, public relations, Village/City board meeting presentations, motor fuel tax project development and construction observation. Also managed their New Lenox and Morris satellite offices, which included overseeing billing and invoicing, client management and business development, hiring and employee review and performance evaluations. Noteworthy projects include:

- Fredenhagen Park, Naperville, Illinois (APWA Award Winner – Illinois Section Project of the Year for projects between $5-10 million) – Included the design and construction of a 1.5 acre downtown park. Amenities included a 25ft diameter fountain, bathroom/concession facility, clock tower, landscaping and brick paving.
- Lockport Streetscape, Plainfield, Illinois (APWA Award Winner – Southwest Branch Transportation Project of the Year for projects between $5-10 million & Illinois Planning Association's Project of the Year for Implementation) – Transformed downtown Plainfield from a three lane diagonal parking roadway to a two lane walkable downtown. The project included new street lighting, downtown stereo system, raised intersections, brick pavers and twelve foot sidewalks.
- River Street Streetscape, Batavia, Illinois (Active Transportation Alliance Award Winner – Illinois Section) – Design and construction of River Street located in downtown Batavia. The project included the new water and sewer services to each of the businesses. A new storm system including permeable pavers was built to provide an improved drainage system. Other features included rock excavation, granite planters, new LED street lighting and various plantings. The curb-less type of street allows for pedestrian, bicycles and motorists to share the street paving the way for a complete street.
- Multi-Year Pavement Management Program Development, Various Municipalizes – Programs included field evaluations, mapping and programming pavement maintenance techniques to extend the pavement life and maximize public funds.

Strand Associates, Inc. & City of Naperville, Joliet & Naperville, Illinois – Project Engineer for various transportation engineering projects. Responsibilities included site engineering permitting for private developments, Motor Fuel Tax project design, Phase I and II engineering development reviews for Illinois and Wisconsin Department of Transportation, development reviews, municipal transportation design, survey, construction observation and preliminary drainage and bridge design. Served as the Right-of-Way Permit Engineer for the City of Naperville. Noteworthy projects include:

- Pavement Management Program Development & Implementation, Naperville, Illinois – Pavement management and annual maintenance improvement program. Various pavement techniques included, micro-surfacing, heat scarify and overlay, crackfilling, mill and overlay and pavement preservation treatments.
- Household Hazardous Waste Facility, Naperville, Illinois – Designed and managed the construction of Naperville's first household hazardous waste facility. Residents of Naperville were able to drop off various household wastes that Naperville disposed of safely.

MIKE RECHTORIK, P.E., PTOE
Project Engineer & Lighting Design

YEARS OF EXPERIENCE

With V3: 12
Other: 12

EDUCATION

Master of Science
Engineering
University of South Florida

Bachelor of Science
Mathematics
University of Tampa

REGISTRATIONS

Professional Engineer:
Illinois, 062-058827, 2006
Indiana, 10607220, 2006

Professional Traffic
Operations Engineer:
Cert. No. 1353, 2004

PROFESSIONAL ASSOCIATIONS

Institute of Transportation
Engineers, (ITE)

CONTINUING EDUCATION

ACEC-Illinois / IDOT
Lighting Seminar

Communispond
Executive Presentation Skills

CORSIM Simulation Seminar

Strong Concepts
Timing Traffic Signals Using
TEAPAC, TRANSYT,
PASSER & CORSIM

Mr. Rechtorik has 24 years of experience specializing in traffic and transportation engineering. His expertise is in the areas of traffic studies, traffic design, traffic operations, intersection and roadway improvements, geometric design, streetscape design, lighting design, and traffic signal construction. This experience includes a wide range of planning and design projects for the Tollway, state and county transportation agencies, local municipalities, and private developers. Mr. Rechtorik's responsibilities include management of public improvement and transportation projects and project quality assurance and quality control.

NOTEWORTHY PROJECT EXPERIENCE

Michigan Avenue Reconstruction, Village of Villa Park, Villa Park, Illinois – Project Manager for Phase 2 engineering services consisting of the reconstruction of Michigan Avenue from Jackson Street to Madison Street. Prepared contract plans, specifications, and estimates for this locally funded project. V3 is also providing preliminary engineering services for the Village's proposed relief sewer project to address drainage issues identified as Sugar Creek Problem Area 1. Since a significant section of the proposed relief sewer is located along the Michigan Avenue reconstruction project limits, the Village wants to install the Michigan Avenue portion of the relief sewer under this project, which will result in cost savings and eliminate future disturbance in the project area. The construction documents follow MFT format and specifications. The scope of work includes topographic survey, CCDD evaluation and sample testing, roadway reconstruction, ADA ramps and sidewalks, storm sewer design, private driveway replacement, utility relocation, and sanitary and water line adjustments to residential properties. The project is currently in the pre-final stage.

75th Street Lighting Improvements, DuPage County DOT, Darien, Illinois – Project Manager for light pole installation and enhancements along a one mile section of 75th Street from Adams Street to Plainfield Road and along Cass Avenue from Plainfield Road to 75th Street in Darien, Illinois. The project consisted of new LED street lighting, ornamental LED light fixtures, replacement of existing HID light fixtures with LED light fixtures, and reinstalling existing street light poles. 75th Street is a six-lane urban roadway and Cass Avenue is a four-lane urban roadway. The County used federal funding for Phase II and III engineering and the project was processed through IDOT Bureau of Local Roads. The design followed IDOT and County standards. The lighting design included approximately 1 mile of continuous lighted roadway including 4 signalized intersections. 26 light poles were placed at a 150' nominal spacing (median and opposite) to meet RP-8-05 design criteria. Lighting services included: photometric analysis using AGI32, light pole layout, voltage drop calculations, conduit and wire sizing, ComEd service coordination, wiring diagrams, roadway lighting plans, roadway lighting construction details, and construction documents.

Ardmore Avenue Streetscape Enhancements, Village of Villa Park, Villa Park, Illinois – Project Manager for this $1.6-million project which was funded by the Illinois Transportation Enhancement Program (ITEP). V3 provided design of all aspects of the streetscape improvements which included pedestrian improvements and the redesign of non-compliant intersection crossings throughout the project limits to meet ADA requirements as well as roadway improvements to provide on street parallel parking. Streetscape enhancements included sidewalk pavers, stamped asphalt crosswalks, gateway signing, ornamental LED lighting, landscaping, planter boxes and architectural stone columns. V3 assisted the Village with the preparation of funding applications and negotiations for this project.

MIKE RECHTORIK, P.E., PTOE
Project Engineer & Lighting Design

143rd Street and LaGrange Road, Village of Orland Park, Orland Park, Illinois – Project Engineer for the Village of Orland Park's reconstruction project of the roadway and underground utilities at the intersection 143rd Street and LaGrange Road. The project included pavement widening, pavement reconstruction, a new mainline watermain, storm sewer, relocation of electrical and telephone utilities from overhead to underground, streetscape improvements, roadway, pedestrian, and outdoor receptacle (holiday) lighting, landscaping, irrigation, retaining walls, traffic signals, and property acquisition. V3 was responsible for the design and management of all aspects of design and construction as well as right-of-way acquisition. This project was bid by the Village of Orland Park and permitted through IDOT. Permit approval was obtained for many non-standard items which required extensive coordination with IDOT.

IL Route 59 Metra Station Parking Lot & Intersection Improvements, City of Aurora, Aurora, Illinois – Project Manager for Phase I and 2 engineering services consisting of resurfacing, reconfiguring, and expanding the parking lot from 2,228 to 2,657 stalls and adding a new driveway to improve pedestrian, bike, vehicle and bus access to the train station. V3 prepared design alternatives and budgetary cost estimates that included reconfiguring the parking lot to north-south drive aisles, short term drop-off and pick-up areas, motorcycle parking and a designated Pace bus area. Pedestrian circulation and access was improved to meet current ADA standards. Coordination between the City and Pace was necessary to provide an appropriate location for the dedicated bus area. The bus area will have nine sawtooth bus berths, one maintenance vehicle parking spot, wide sidewalks and provisions for Pace to add shelters once the project is complete. The scope of work includes topographic survey, parking lot design, LED street lighting and parking lot lighting, traffic signal and interconnect design, security camera layout design, environmental documentation, pavement resurfacing and reconstruction, storm sewer design, water main design, landscaping, and wetlands. The project was federally funded and processed through IDOT Bureau of Local Roads.

Water Street District, Marquette Properties, Naperville, Illinois – Project Manager for this high-profile, two-acre redevelopment along Water Street and Webster Street in downtown Naperville. The project consisted of hotel, office, retail, and restaurant land uses and included a 524-space parking structure. Existing traffic, roadway, and queue data were recorded in the field. Detailed Synchro models were then developed under existing, background and future traffic conditions during the weekday morning, mid-day and evening peak hours and Saturday peak hours. Mr. Rechtorik developed a "Tool Box' of traffic operation modifications that can be implemented as traffic issues arise. Recommendations were consistent with the Water Street Vision Statement and the South Downtown Traffic Management Study.

US Route 30 Improvements, IDOT, Lynwood, Illinois – Project Engineer for preparation of a Phase I study for a grade separation of US Route 30 and the Canadian National Railroad. Mandated by the Surface Transportation Board, the grade separation structure was processed as a Categorical Exclusion, Group II and consisted of a combined design report, location drainage study and pump station hydraulic report. Project responsibilities included: alternate geometric studies, intersection design study, crash analysis, and a traffic management plan.

South Downtown Traffic Management Study, City of Naperville, Naperville, Illinois – Project Manager for a traffic management study for the south downtown area of Naperville. Due to planned development and redevelopment projects, the City desired to evaluate smaller scale traffic management approaches and minor capital improvements to maximize the efficiency and mobility of vehicular, pedestrian and bicycle movement throughout the area. The objectives with this study were consistent with the City's Water Street Study Area Vision Statement. Five alternatives were developed utilizing various combinations of access control, traffic flow changes, and traffic control devices. Existing traffic, roadway, and queue data were recorded in the field. Detailed Synchro models were then developed under existing traffic conditions and for each alternative during the weekday morning, mid-day and evening peak hours and Saturday peak hour. Based on comments and feedback received from the City, the stakeholders and the public, other recommendations were developed for the study area roadway network to address traffic flow and mobility. The improvements were categorized into short, medium and long term categories and ranked as low, medium or high priority to assist the City in developing an implementation plan.

JEFF KLINE, P.E.
Utilities & Development Reviews

YEARS OF EXPERIENCE

With V3: 17
Other: 10

EDUCATION

Bachelor of Science
Civil Engineering
University of Illinois,
Urbana-Champaign

REGISTRATIONS

Professional Engineer:
Illinois, 062-048970, 1994

PROFESSIONAL ASSOCIATIONS

American Public Works Association, (APWA)

American Society of Civil Engineers, (ASCE)

American Water Works Association, (AWWA)

Mr. Kline has more than 28 years of experience focused on municipal engineering. He provides municipal code compliance reviews for the City of Chicago Department of Buildings as well as development reviews for local municipalities and private developers to assure that residential, commercial and industrial developments are in compliance with municipal codes and applicable stormwater ordinances. Jeff also oversees the design, review and inspection of public improvement projects including water transmission and distribution systems, stormwater management systems and transportation infrastructure. He is involved in all aspects of design and project management including proposal preparation, cost estimation, financial analysis, report preparation, quality assurance and quality control reviews, contracting and subcontracting and public relations. He is experienced in computerized modeling and analysis of water transmission and distribution systems utilizing the computer software WaterCad.

NOTEWORTHY PROJECT EXPERIENCE

Development Reviews, Village of Villa Park, Villa Park, Illinois – Project Director responsible for directing and performing municipal review of residential, commercial and industrial developments for compliance with Villa Park development codes and the DuPage County Stormwater Ordinance. Includes the review of engineering plans, preliminary and final plats of subdivision, plats of easement, plats of right-of-way dedication, stormwater management reports and calculations, floodplain and wetland impacts, IEPA permit applications, cost estimates and other supporting documentation.

Development Review & Inspection, Village of Homer Glen, Homer Glen, Illinois – Project Director responsible for directing municipal reviews of public improvements for residential, commercial and industrial developments for compliance with the development code and stormwater management regulations. Project included the review of engineering plans, preliminary and final plats of subdivision, plats of easement, plats of right-of-way dedication, stormwater management reports and calculations, floodplain and wetland impacts, IEPA permit applications, cost estimates and other supporting documentation. Also responsible for directing construction inspection for the installation of improvements related to the developments.

Development Review & Inspection, Village of Bolingbrook, Bolingbrook, Illinois – Project Director responsible for directing municipal reviews of public improvements for residential, commercial and industrial developments for compliance with the development code and stormwater management regulations. Included the review of engineering plans, preliminary and final plats of subdivision, plats of easement, plats of right-of-way dedication, stormwater management reports and calculations, floodplain and wetland impacts, IEPA permit applications, cost estimates and other supporting documentation. Also responsible for directing construction inspection for the installation of improvements related to the development.

Municipal Code Compliance Review, Department of Buildings, Chicago, Illinois – Project Director responsible for administration of municipal code compliance reviews for large-scale developments. Responsibilities include coordination with City staff, multiple subconsultant review firms and the developer and design team. Development projects include high-rise buildings, large assembly buildings, large multi-family residential developments, public transportation systems such as CTA rail system improvements and all projects involving deep foundations and earth retention systems.

JEFF KLINE, P.E.
Utilities & Development Reviews

Subdivision & Development Reviews, Glen Ellyn, New Lenox & Shorewood, Illinois – Project Manager for municipal review and inspection of public improvements related to residential subdivision construction. Conducted municipal review and inspection of commercial and residential building projects.

Subdivision & Development Reviews, Village of Romeoville, Romeoville, Illinois – Project Director for municipal reviews of public improvements for residential, commercial and industrial development projects. Includes the review of plans, plats of subdivision, plats of environment, stormwater management reports, storm sewer calculations, IEPA permit applications, cost estimates and other supporting documentation.

Jane Addams Memorial Tollway (I-90) Widening & Reconstruction, Design Section Engineering Services, Illinois Tollway, Cook County, Illinois – Project Manager responsible for preparation of a Master Planning Study Update to redefine the scope, budget and schedule for the widening and reconstruction of the Jane Addams Memorial Tollway (I-90) from east of the Elgin Toll Plaza to west of Higgins Road (approximately 7 miles). The report documents the recommended roadway, structural and drainage improvements pertaining to the complete reconstruction of I-90 including the addition of a fourth travel lane in each direction, auxiliary lanes at select locations, widening of the interior shoulder, rehabilitation or full reconstruction of mainline and crossroad bridges, and the relocation of a water transmission main supplying water to seven communities. Documentation of environmental impacts, land acquisition requirement, detailed cost estimates and schedules are provided as well.

2011Arterial Street & ADA Ramp Improvements, CDOT, Chicago, Illinois – Quality Assurance and Quality Control Leader for construction of City of Chicago ADA ramp improvements associated with the City's Arterial Roadway Construction Program for the North Area and Central Areas of the City. Approximately 1,600 sidewalk ramps were reconstructed at roadway and alley intersection corners, including removal and replacement of sidewalk, curb and gutter, alley and roadway pavement, drainage structures and pavement marking and signage. Newly constructed ramps and associated sidewalk improvements were checked against the City's compliance checklist requiring more than 50 measurements for each ramp. Coordinated with multiple contractors to schedule required remedial work and re-inspections for non-compliant ramps.

Water Transmission System Reconstruction, Village of Melrose Park, Melrose Park, Illinois – Project Engineer responsible for planning, design and contract documents for a 32-MGD potable water pumping and transmission system serving the host community and six municipal wholesale customers. Improvements included multiple pump facilities, elevated and ground storage facilities and approximately 45,000 feet of transmission main ranging up to 42 inches in diameter.

Watermain Coordinator, City of Chicago, Chicago, Illinois – Project Manager responsible for coordination of the Watermain Design Group and its annual design of approximately 45 miles of watermain replacement. Responsibilities included:

DERRICK MARTIN, P.E., CFM, CPESC

Stormwater Permitting & Stormwater Reviews

YEARS OF EXPERIENCE

With V3: 18
Other: 2

EDUCATION

Bachelor of Science
Civil Engineering
Washington University

Bachelor of Arts
Mathematics & German
North Central College

REGISTRATIONS

Professional Engineer
Illinois, 062-056276, 2003

Certified Floodplain Manager
Illinois, IL-04-00138, 2004

Certified Professional in Erosion and Sediment Control
Illinois, 3519

Kane County Qualified Review Specialist

PROFESSIONAL ASSOCIATIONS

American Public Works Association (APWA)

American Society of Civil Engineers (ASCE)

Illinois Association for Floodplain and Stormwater Management (IAFSM)

Mr. Martin is a Certified Floodplain Manager and a Certified Professional in Erosion and Sediment Control with more than 20 years of water resources engineering and construction inspection experience. He is the manager of V3's Water Resources Group where he oversees and directly manages projects involving hydrologic and hydraulic analysis associated with roadway and site development floodplain and stormwater management, watershed studies, stream and lake restoration, bank and shoreline stabilization, and existing drainage assessment and remediation. He possesses a comprehensive understanding of the federal, state, and local stormwater regulations as they relate to watershed improvements or site design and the associated permitting process. Mr. Martin provides construction management and field inspection services related to shoreline and streambank stabilization/restoration projects as well as erosion and sediment control related issues.

NOTEWORTHY PROJECT EXPERIENCE

Sugar Creek Watershed Drainage Improvement Project, Villa Park, DuPage County, Illinois – Project Manager for the drainage improvement project that used a detailed XP-SWMM analysis of the Sugar Creek watershed to identify and confirm localized flooding problems located primarily outside of the mapped floodplain areas. Focus of the analysis was to determine the 100-year critical duration flood elevation and associated areas of inundation and overflow routes that result in potential flood damage to existing residential homes and accessory structures as well as impacts to emergency response access due to street flooding. The analysis was performed with XP-SWMM to enable modeling of storm sewers, depressional storage areas, overland flow routes, and inlet capacity of the existing system which was then updated to evaluate multiple flood mitigation alternatives. The final report identified preferred flood mitigation alternatives for different problem areas based an evaluation of the flood risk reduction and associated conceptual cost for implementation.

Substation Flood Proofing, ComEd, Various Locations, Illinois – Project Manager for the ComEd resiliency initiative to improve power supply reliability. V3 designed flood proofing modifications for two substations located within the floodway/floodplain associated with the East Branch DuPage River. To minimize subsurface utility conflicts, the design included a precast concrete block wall system wrapped with an impermeable EPDM liner. Other aspects of the design included ingress/egress openings equipped with a removable flood plank system and a pump station to handle interior drainage. The wall height consider both regulatory and best available data flood elevation information and is designed to protect the substation to an elevation of more than one foot above the FIS 500-year flood elevation. The improvements were "fast tracked" and involved extensive coordination and permitting with DuPage County and IDNR-OWR.

Train Station Area Detention Pond, Villa Park, Illinois – Client Manager to the Village of Villa Park who selected V3 to prepare conceptual, preliminary, and final design plans and specifications for a retrofit to an existing detention basin in the Village's downtown area. The Village desired to expand the pond to provide additional volume to be used for stormwater detention associated with a nearby downtown redevelopment area. Mr. Martin provided permitting and design oversight during the development of conceptual alternatives intended to maximize stormwater detention volume while providing cost effective water quality benefits.

DERRICK MARTIN, P.E., CFM, CPESC

Stormwater Permitting & Stormwater Reviews

McCollum Park Stormwater Improvements, Village of Downers Grove, DuPage County, Illinois –QA/QC Oversight for the project which included the construction of a 15.6 acre-foot flood storage basin in the Prentiss Creek watershed to provide regional flood relief to areas that experience frequent drainage problems. The project used XP SWMM hydrologic and hydraulic modeling to evaluate the regional benefit associated with the new basin. The project involved extensive coordination between the Village and the Park District and the design incorporated a full-size soccer field within the basin including underdrains and irrigation. The project also involved the relocation of an existing sand volleyball court and adjacent basketball courts, modifications to existing pedestrian paths through the park, and site lighting.

City of Elgin Stormwater Management & Floodplain Reviews, Kane County, Illinois – Mr. Martin performs or directs as-needed stormwater reviews of residential, commercial and industrial developments for compliance with the City of Elgin and Kane County Stormwater Management Ordinances. Responsibilities include review of engineering plans, Stormwater Management Reports and calculations, floodplain and wetland impacts, erosion and sediment control measures, cost estimates and other supporting documentation. Mr. Martin's responsibilities also involve participation in project meetings, distribution of meeting minutes, and preparation of draft and final comment letters.

Stormwater & Floodplain Permit Review, Village of Villa Park, Villa Park, Illinois – Mr. Martin performs or directs as-needed stormwater and floodplain engineering review services to assist the Village in fulfilling the responsibilities required for a full-waiver community as defined by the DuPage County Countywide Stormwater and Flood Plain Ordinance. Responsibilities include review of residential, commercial, industrial, educational, and capital improvement engineering plans, Stormwater Management Reports and calculations, floodplain and wetland impacts, erosion and sediment control measures, cost estimates and other supporting documentation. Mr. Martin's responsibilities also involve participation in project meetings, distribution of meeting minutes, and preparation of draft and final comment letters.

City of Naperville Stormwater Review, Will County, Illinois – Mr. Martin provided QA/QC services for the City of Naperville plan review of a Federal Emergency Management Agency (FEMA) Letter of Map Revision (LOMR) concurrence request for the Southwest Tributary of Clow Creek. The project included a detailed review of engineering plans, hydrologic and hydraulic modeling, floodplain compensatory storage calculations, revised floodplain maps, and FEMA LOMR forms to ensure compliance with the floodplain regulations of the City of Naperville, Will County and the FEMA. Written review comments were provided to the City.

143rd Street Roadway Improvements, I-355 to Lemont Road, Will County, Illinois – Project Manager responsible for designing drainage system associated with widening 143rd Street from a two-lane rural cross section to a four-lane urban cross section. Drainage design included a 48-inch oversized storm sewer to provide stormwater detention to meet the Will County Stormwater Ordinance. Design also included bypassing significant offsite flow through a box culvert. Modeling performed using XP-SWMM dynamic model.

75th Street Roadway Improvements, Adams Street to Plainfield Road, DuPage County, Illinois – Project Manager for the stormwater management system for approximately one mile of roadway improvement. Design converts a rural cross section with open ditch drainage to an urban cross section with curb, gutter and storm sewer. Storm sewer system designed to convey off-site flow across the roadway. Stormwater detention to meet the local stormwater ordinance provided in oversized storm sewers within the existing right-of-way. Design included storm sewer sizing, inlet spacing, and best management practices to improve water quality. Modeling performed with HydraFlow and XP-SWMM.

PETE STUKAS, P.E.
Constructability Reviews

YEARS OF EXPERIENCE

With V3: 20
Other: 13

EDUCATION

Bachelor of Science
Civil Engineering
University of Illinois, Urbana

REGISTRATIONS

Professional Engineer:
Illinois, 062-045211, 1989

CONTINUING EDUCATION

U.S. D.O.T.:
Contract Claims

Pavement Rehabilitation
Value Engineering
Workshop

IDOT:
Total Quality Management
Bridge Inspection

OTHER:
PSMJ Project Management
Bootcamp

PROFESSIONAL ASSOCIATIONS

American Public Works Association, (APWA)

Illinois Road and Transportation Builders Association, (IRTBA)

Mr. Stukas has more than 33 years of engineering experience involving highway and site development planning, design and construction. Mr. Stukas brings with him a unique perspective in the oversight of large-scale roadway and bridge projects. He has also participated in several statewide task forces studying various aspects of bridge construction and contract administration.

NOTEWORTHY PROJECT EXPERIENCE

Elgin O'Hare Western Access Construction Corridor Manager, Illinois Tollway, Elgin, Illinois – Project Manager for this $3.4-billion project for the Illinois Tollway. The project consists of more than 12 miles of new tollway. It is the first time that an existing expressway will be transferred into a tollway and approval is required by the US Congress and Illinois General Assembly. The western six miles includes widening of the existing Elgin O'Hare Expressway, reconstruction and/or rehabilitation of 12 bridges, construction of new fiber optic and tolling facilities, installation of a variety of intelligent transportation system elements, new noise walls, new sign structures and dynamic message trusses, new detention facilities and extensive landscaping. The eastern six miles includes mainline pavement both on new and existing alignment, construction of raised embankment with more than 1,000,000-cubc-yards of imported embankment and more than 2,000,000-cubic-yards of overall earthwork, nearly 40 lane miles of new concrete pavement, construction of 22 new bridges, construction of new fiber optic and tolling facilities, installation of a variety of intelligent transportation system elements, new noise walls, new retaining walls, new detention facilities and extensive landscaping . The project also consists of the reconstruction of the Eisenhower Expressway (I-290) Interchange. The signature feature of the project, this portion of the corridor consists of more than $140 million of improvements, includes two flyover bridges with curved steel girders, seven other mainline and ramp bridges, along with mainline and ramp pavements, extensive earthwork and detention facility construction and retaining and noise wall installation. V3 is overseeing more than 25 separate construction contracts, coordinating activities with more than 10 local agencies and managing 10 separate construction management firms to inspect and document the improvements.

Elgin O'Hare Western Access New Interchange, Illinois Tollway, Elgin, Illinois – Resident Engineer/Project Manager for this project which consists of new construction to build the freeway to freeway interchange of the Elgin O'Hare Western Access Tollway (IL Route 390) and the Eisenhower Expressway (I-290). The scope of work includes construction of the mainline portion of the Tollway over I-290, eight new freeway connecting ramps, five bridge structures to carry ramps and frontage roads, four new retaining wall structures, nearly 500,000 cubic yards of excavation and more than 15,000 feet of storm sewer and paved ditches work. Extensive electrical work is being performed to install intelligent transportation system equipment which transmits real-time traffic and roadway condition data to the Illinois Tollway and IDOT . The project location requires coordination with four other on-going construction contracts as well as coordination with IDOT's Bureaus of Traffic and Maintenance as well as local municipalities and counties.

US Route 30 Reconstruction, IDOT, New Lenox, Frankfort & Mokena, Illinois – Resident Engineer on this $90-million project which included the reconstruction and widening of 8.5 miles of road from a two-lane rural cross section to a five-lane urban facility. The work included extensive earthwork, complicated traffic and construction staging, relocation work by multiple utilities, new storm sewer systems,

watermain installation, PCC pavement, bridge construction, retaining walls, noise abatement walls, traffic signals and roadway lighting. The project required significant coordination with local agencies, including New Lenox, Frankfort, Mokena, Will County Forest Preserve District and the USACE.

Jane Addams Memorial Tollway (I-90) Reconstruction, Illinois Tollway, Rockford, Illinois – Project Manager providing Corridor Construction Management services for the $280-million reconstruction. The project included reconstruction and widening of 13 miles of roadway from Newburg Road to Rockton Road, just south of the Wisconsin border and the reconstruction and reconfiguring the Cherry Valley Interchange. Services included corridor construction management, project controls, cost control, schedule preparation and analysis, web-based project documentation, construction inspection, construction layout, materials testing, project documentation and contract administration.

Veterans Memorial Tollway (I-355) Extension, Illinois Tollway, Will County, Illinois – Implementation Engineer for the design and construction of this $730-million, 12.5-mile extension. Project challenges included inheriting the long-delayed project with decade-old design plans. V3, serving as Corridor Management, re-tooled program schedules, contract packages and management approach, including innovative design and build and value engineering concepts that resulted in a $10-million reduction of original budget. V3 oversaw 15 construction sections and coordinated activities with 24 local agencies. Project responsibilities included schedule control, cost control and documentation for the corridor. V3 conducted environmental studies, obtained related federal permits and designed and constructed a 300-acre wetland mitigation site.

Jane Addams Memorial Tollway (I-90), Illinois Tollway, Cook County, Illinois – Senior Resident Engineer for this $10-million Tollway reconstruction project at IL Route 53. Scope of work included asphalt and concrete paving, construction of two new toll plazas complete with electrical equipment and fiber optic cable, construction of a 300-foot radio tower with control building, formed concrete repair, lighting, earthwork, storm sewer, overhead sign truss installation and existing plaza demolition.

Tri-State Tollway (I-294), Illinois Tollway, Cook County, Illinois – Senior Resident Engineer and Materials Coordinator for this $7.5-million Tollway reconstruction project of Plaza 27 at Willow Road. Scope of work included asphalt and concrete paving, retaining wall construction, installation of nearly one mile of noise abatement wall, construction of two new toll plazas complete with electrical equipment and fiber optic cable, overhead sigh truss installation and building demolition.

I-80 Reconstruction, IDOT, New Lenox & Mokena, Illinois – Senior Resident Engineer for this $19-million concrete pavement reconstruction project. Scope of work included seven miles of new continuously reinforced concrete pavement, reconstruction of the bridges over IL Route 30 and the Norfolk and Southern Railroad tracks, earthwork, lighting and landscaping.

IL Route 171 (1st Avenue), Hodgkins, Illinois – Senior Resident Engineer for this $14 million bridge and pavement reconstruction project. Scope of work included patching and microsilica concrete overlay of 15 separate bridges, reconstruction of four additional bridges, pavement widening and reconstruction, storm sewer installation and lighting.



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Request for Qualifications

Requested By:
Joseph M. Caracci, P.E.
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, Illinois 60106
630.350.3435

Establishment of Short-Lists for Civil Engineering Services



WBK engineering

Submitted By:
WBK Engineering, LLC
116 W. Main Street, Suite 201
St. Charles, IL 60174
Contact: P.J. Fitzpatrick, P.E.
P: 630.443.7755
pjfitzpatrick@wbkengineering.com

October 18, 2017

Joseph M Caracci, P.E.
Director of Public Works
Village of Bensenville
717 E. Jefferson Street
Bensenville, Illinois 60106

Re: Village of Bensenville- Request for Qualifications Establishment of Short- Lists for Civil Engineering Services

Dear Mr. Caracci,

WBK Engineering, LLC (WBK), is pleased to provide the Village of Bensenville our Statement of Qualifications and look forward to the opportunity to provide engineering services to the Village.

We are submitting statement of qualifications for three categories in the format as requested in the Request for Qualifications including an overview of recent work performed by our professional staff. At WBK we work closely with our clients to build communities through collaboration, stewardship and engagement. We strive to meet project objectives and budgets, and exceed client expectations, with understanding and respect for the natural environment.

Our entire staff is dedicated to providing high quality professional engineering services to municipal clients, throughout Northern Illinois and Southwestern Michigan. Our focus is to provide the personal service of a small local firm coupled with a high degree of experience and the depth of resources found in large engineering organizations.

Celebrating decades of service to municipalities throughout Illinois, the staff members of WBK are recognized experts in the areas of general municipal engineering, stormwater management, wetland and environmental resources, plan review, transportation, structural engineering, survey, design and permitting. WBK employs over 40 full time staff including professional engineers, construction inspectors, planners, soil scientists, surveyors, ecologists and erosion control specialists.

We look forward to future opportunities to serve the Village of Bensenville. Should you have any questions, please contact me at pjfitzpatrick@wbkengineering.com or 630.443.7755.

Sincerely,

P.J. Fitzpatrick, PE
Transportation Practice Principal



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Section 1

CONSULTANT EVALUATION FORM

CONSULTANT EVALUATION FORM

(Complete one for each Short-List submittal)

Form of Contract

[X] The Form of Contract, as presented in the RFQ is acceptable and no modifications will be necessary.

[ ] The Form of Contract, as presented in the RFQ is generally acceptable, but minor revisions will be necessary. A list of all proposed revisions is attached.

[ ] Major modifications must be made to the Form of Contract before a contract can be signed. A list all proposed revisions is attached.

Insurance: Attach Certificate of Insurance to this page.

Litigation: Attach a table corresponding to the sample in the instructions.

***WBK Engineering, LLC has not had any lawsuits filed against the firm, concerning any services rendered from January 1, 2012, to the present. Therefore, we have not attached a table.

WBKENGI-02 DSOMMERS

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 10/14/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME:	
Corkill Insurance Agency, Inc. 25 Northwest Point Blvd., Ste 625 Elk Grove Village, IL 60007	PHONE (A/C, No, Ext): (847) 758-1000	FAX (A/C, No): (847) 758-1200
	E-MAIL ADDRESS: certs@corkillinsurance.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Harleysville Insurance	23582
INSURED	INSURER B : The Hartford	
WBK Engineering, LLC 116 Main Street Suite 201 Saint Charles, IL 60174	INSURER C : The Hanover Insurance Group	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY			BOP00000086410R	10/15/2016	10/15/2017	EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 100,000
							MED EXP (Any one person)	$ 10,000
							PERSONAL & ADV INJURY	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 2,000,000
	POLICY PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	OTHER:							$
A	AUTOMOBILE LIABILITY			BA00000086926R	10/15/2016	10/15/2017	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	HIRED AUTOS / NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$
								$
A	X UMBRELLA LIAB X OCCUR			CMB00000091808R	10/15/2016	10/15/2017	EACH OCCURRENCE	$ 10,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$ 10,000,000
	DED X RETENTION $ 0							$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N			83WECBT3051	10/15/2016	10/15/2017	X PER STATUTE OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)		N / A				E.L. EACH ACCIDENT	$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000
C	A/E Professnl E&O			LHCA644415	06/01/2016	10/15/2017	Per Claim	2,000,000
C	&Pollution Liability			LHCA644415	06/01/2016	10/15/2017	Aggregate	4,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

Proof of Insurance
XXXXXXXXXX
XXXXXXXXXX, XX

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

August 29, 2017

Subject: PRELIMINARY ENGINEERING
Consultant Unit
Prequalification File

P. J. Fitzpatrick
WBK Engineering, LLC
116 W. Main Street
Suite 201
St. Charles, IL 60174

Dear P. J. Fitzpatrick,

We have completed our review of your "Statement of Experience and Financial Condition" (SEFC) which you submitted for the fiscal year ending Dec 31, 2015. Your firm's total annual transportation fee capacity will be $11,200,000.

Your firm's payroll burden and fringe expense rate and general and administrative expense rate totaling 135.65% are approved on a provisional basis. The rate used in agreement negotiations may be verified by our Office of Quality Compliance and Review in a pre-award audit.

Your firm is required to submit an amended SEFC through the Engineering Prequalification & Agreement System (EPAS) to this office to show any additions or deletions of your licensed professional staff or any other key personnel that would affect your firm's prequalification in a particular category. Changes must be submitted within 15 calendar days of the change and be submitted through the Engineering Prequalification and Agreement System (EPAS).

Your firm is prequalified until December 31, 2016. You will be given an additional six months from this date to submit the applicable portions of the "Statement of Experience and Financial Condition" (SEFC) to remain prequalified.

Sincerely,
Maureen M. Addis
Acting Bureau Chief
Bureau of Design & Environment

***Please note that we submitted our SEFC renewal on 6/27/17 but it is still in review.

SEFC PREQUALIFICATIONS FOR WBK Engineering, LLC

CATEGORY	STATUS
Special Services - Surveying	X
Special Studies - Traffic Signals	X
Special Services - Construction Inspection	X
Special Services - Landscape Architecture	X
Structures - Highway: Simple	X
Highways - Roads and Streets	X
Hydraulic Reports - Waterways: Typical	X
Location Design Studies - Rehabilitation	X
Structures - Highway: Typical	X
Special Studies - Traffic Studies	X
Special Studies - Feasibility	X
Location Design Studies - New Construction/Major Reconstruction	X
Location Design Studies - Reconstruction/Major Rehabilitation	X
Special Studies - Location Drainage	X
Highways - Freeways	X
Hydraulic Reports - Waterways: Complex	X

X	PREQUALIFIED
A	NOT PREQUALIFIED, REVIEW THE COMMENTS UNDER CATEGORY VIEW FOR DETAILS IN EPAS.
S	PREQUALIFIED, BUT WILL NOT ACCEPT STATEMENTS OF INTEREST

Section 2

STATEMENT OF QUALIFICATIONS



Oakwood Park Subdivision Water Main & Street Improvements

ELGIN, ILLINOIS

The Oakwood Park Subdivision is a neighborhood originally platted in the late 1800's. The roadways consist of a rural section with no sidewalk except for a limited section along Bode Road, and generally poor drainage conditions. The roadways are in very poor condition and range from very steep to very flat in grade. Many mature trees exist within the subdivision, some near the roadway. The subdivision is served with City sanitary sewer and water main.

WBK helped the City decide that a two phase approach is the best way to address immediate needs and follow with a long term solution. The short term / immediate projects include replacement of all the water main in the subdivision and point repairs of the sanitary sewer and roadway maintenance. Coordination with NICOR for the replacement of gas mains is also included in the first phase. One particular challenge is the poor drainage and soil conditions within the subdivision. The City and WBK hosted a public information meeting and it was determined that roadway reconstruction and a comprehensive drainage improvement was not desired based on the impact to trees and the character of the neighborhood. An "interim" pavement maintenance project includes some limited drainage improvements and the removal of all asphalt and replacement with five inches of aggregate base and four inches of asphalt binder and surface.

The City is also interested in an "ultimate" improvement that includes reconstruction of all roadways, curb and gutter and a comprehensive storm sewer system throughout the subdivision. This improvement is anticipated to be funded in part with an SSA. All water main work was completed in 2015 and all roadway improvements completed in 2016.

WBK provided the following services:

- Topographic, Utility & ROW Establishment Survey
- Televising Sanitary Sewer
- Structural Inspection of Bode Road Culvert
- Geotechnical Investigation
- Develop Roadway Cross-section
- Design Storm Sewer/Drainage Improvement
- Development of Water Main Improvement Plans, Specifications & Estimate for 2015
- Identify Sanitary Point Repairs
- Development of Interim Improvement Plans, Specifications & Estimate for 2016
- Development of Ultimate Improvement Plans, Specifications & Estimate for Future Construction
- 2015 Water Main Improvements Construction Observation
- 2016 Interim Improvements Construction Observation

Client:
Joseph Evers, P.E.
City Engineer
1900 Holmes Road
Elgin, IL 60123
847.931.5958

Eric Weiss
Senior Engineer
City of Elgin
Elgin, IL 60123
847.931.6159

Project / Client	Oakwood Park Subdivision Water Main & Street Improvements City of Elgin, IL
Scope of Work / (Contractor) / Client POC	WBK completed design engineering and construction engineering for 2 separate projects. These projects consisted of a water main replacement and a street reconstruction. / J. Congdon Sewer & Arrow Road / Greg Chismark (design) & Vince Di Prima (construction)
Project Team	Greg Chismark, PE, Doug Breunin, PE, Vince Di Prima, PE, CPESC, Donald Rericka, PLS, CFedS
Construction Cost / Fee / Year	$710,000 & $650,000 / $290,000 (design & construction) / 2015-2016



Richards and Stevens Street Reconstruction

GENEVA, ILLINOIS

The City of Geneva desired to reconstruct five blocks of Richards Street and two blocks of Stevens Street on the City's west side. Richards Street and Stevens Street both have urban cross-sections and are located in a primarily residential area, although industrial activity is also present. As an older area of the City, many of the public utilities were undersized and/or in poor condition; as such, the removal and replacement of much of the City's utility systems was included within the project scope. The City also desired to bring the area into compliance with ADA PROWAG requirements.

The project improvements consisted of the complete removal and replacement of the City's water distribution system throughout the project limits, as well as a partial replacement of the storm and sanitary sewer systems. Richards Street was entirely reconstructed with new curb and gutter and an improved roadway profile, while the existing curb on Stevens Street was able to remain in place. Other project components included the removal and replacement of approximately 10,000 square feet of sidewalk, the installation of new ADA provisions at intersections, and much coordination with the private Burgess Norton industrial facility adjacent to the project.

WBK worked closely with the City throughout the engineering process to ensure an end product that met the City's expectations. Final engineering plans, specifications and estimates were developed in a condensed timeframe in order to meet the City's aggressive timeline. WBK also procured an IEPA water main construction permit in a timely manner, allowing the project to commence construction without delay. The project was bid in May 2017, and construction commenced in July 2017. The project has an estimated completion date of November 2017 and an overall construction cost of $1.8 million.

WBK provided the following services:

- Topographic survey including sub-surface utilities
- Roadway design (2,800 LF) including roadway profile design
- Sidewalk design (10,000 SF) including ADA provisions at intersections
- Water main design (3,100 LF)
- Storm and sanitary sewer design (3,000 LF)
- Development of final engineering plans, specifications and estimates for bidding
- IEPA permitting for water main construction

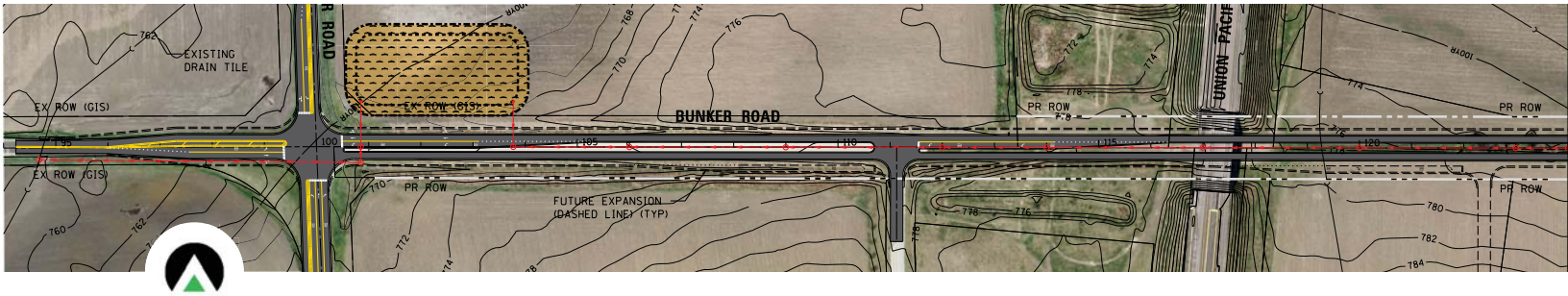
Client:

Brian Schiber, P.E.
City Engineer/Assistant Director of Public Works
1800 South Street
Geneva, IL 60134
630.232.1501

C. Elton Orozco
Civil Engineer
1800 South Street
Geneva, IL 60134
630.232.1501

Project / Client	Richards and Stevens Street Reconstruction Geneva, IL
Scope of Work / (Contractor) / Client POC	WBK completed final engineering design for water main, storm sewer and sanitary sewer replacement and roadway reconstruction. / Plote Construction / Greg Chismark
Project Team	Greg Chismark, PE, Vince Di Prima, PE, CPESC, Doug Breunin, PE, Justin Benham, PE, Donald Rericka, PLS, CFedS
Construction Cost / Fee / Year	$1,900,000 / $70,000 (design only) / 2017

Short List Category: Design Engineering



Bunker Road Extension - Keslinger Road to LaFox Road

Kane County, IL

WBK Engineering, LLC (WBK) is providing preliminary and final design engineering services related to the extension of Bunker Road from its current limit at the LaFox Metra Station to LaFox Road, north of the LaFox Village District Center. The extension length is approximately 5,000 feet and includes an underpass beneath the existing Union Pacific railroad tracks. A roundabout will be constructed at the intersection of Bunker Road and Keslinger Road with a one way stop controlled intersection at Bunker/LaFox.

The Kane County Division of Transportation, as a result of long range planning efforts, had previously identified several potential corridors that could provide alternate North-South arterials to Randall Road and IL Rte. 47. By simply providing a connection to several offset intersections, fairly substantial corridors could be established. One of these is the Bliss / Bunker and Bunker / LaFox that would combine with the previously constructed LaFox / Burlington re-alignment that would create a corridor in the central portion of the county. This corridor creates the basic network for efficient north-south travel in the County for years to come.

Several events have occurred to lead to the advancement of the Bunker extension. First was the construction of the third rail line that extended METRA commuter service to Elburn, including a platform in LaFox. This became the catalyst to construct the underpass in 2005 that is on the proposed alignment of the Bunker Road extension. Secondly, the planning for the Settlements of LaFox, focused on additional planning and development opportunities that could be served by the extended Bunker Road.

Scope of Services:

- Route & Hydraulic surveys
- Stream Hydraulic Analysis and Report
- Wetland and Environmental Surveys and
- Reporting
- Bridging Inspection and Condition Report
- Preliminary Bridge Design and Hydraulic
- Report
- Project Development Report

Client:
Jennifer O'Connell
Senior Project Manager
Kane County Division of Transportation
41W011 Burlington Road
St. Charles, IL 60174
630.584.1170

Project / Client	Bunker Road Extension - Keslinger Road to LaFox Road Kane County Division of Transportation, IL
Scope of Work / (Contractor) / Client POC	New alignment and roadway extension approx. 1 mile in length. Phase I and II engineering, includes intersection alternative, Intersection Design Study, Roundabout, bridge design, major culvert crossing, storm sewer and detention design, pavement marking, MOT and detour plan, and all necessary appurtenances.
Project Team	P.J. Fitzpatrick, PE, Matt Baldwin, PE, PTOE, John Witte, PE, CFM, Patrick Kelsey, CPSS/SC
Construction Cost / Fee / Year	$6M/$800K/2015-2018 (PH I and II Design) 2019-2020 Construction

Short List Category: Design Engineering



Illini Drive Road and Bridge Replacement

CAROL STREAM, IL

The existing Illini Drive Bridge is a two span 20.8 foot long pre-stressed concrete slab bridge over Klein Creek constructed in 1974. In 1993, the Village built a reinforced concrete slab over the old deck beams to help distribute the load on the existing structure. During a routine bridge inspection conducted in 2011 it was observed that some of the deck beams were cracked and deteriorated with exposed reinforcement.

The Village's objective was to correct deficiencies and replace the entire bridge with a structurally and hydraulically adequate bridge or culvert. The new twin cell 10' by 6' precast box culvert was designed to accommodate the existing roadway cross section which includes a 25 foot wide road (28' - 2" back of curb to back of curb), sidewalk and handrail with an overall deck width of 66 feet.

WBK completed the Phase I, II and III engineering for the replacement of the bridge, including:

- Hydraulic Analysis and Report
- Bridge Inspection and Bridge Condition Report
- Project Development Report
- Environmental Survey
- Bridge Type, Size and Location Drawings
- Plans, Specifications, and Estimates
- Project Permitting
- Construction Oversight and Management

Client:
William Cleveland, P.E.
Assistant Village Engineer
Village of Carol Stream
500 N. Gary Avenue
Carol Stream, IL 60188
(630) 868-2260

Project / Client	Illini Drive Road and Bridge Replacement Carol Stream, IL
Scope of Work / (Contractor) / Client POC	WBK completed Phase I, Phase II and Phase III for this project which includes preliminary and final design and construction engineering. / Alliance Contractors / PJ Fitzpatrick (design) & Vince Di Prima (Construction)
Project Team	P.J. Fitzpatrick, PE, John Mueller, EI, S. Brent Pottorff, Natalie Paver, PWS, Vince Di Prima, PE, CPESC, Russell Harmon
Construction Cost / Fee / Year	$506,000 / $195,000 (all three phases) / 2013-2014

Short List Category: Design Engineering



City of Elgin Neighborhood Resurfacing Program

ELGIN, ILLINOIS

The City of Elgin retained WBK Engineering, LLC (WBK) to serve as the Design and Construction Engineer for its Annual Neighborhood Resurfacing Program. Throughout the design and construction process, WBK acted as the City's representative and was responsible for the implementation of City policies, program administration, and coordination and monitoring of subconsultants and contractors. This provideed the City the with an overall management approach to help control and direct the completion of the bidding and planning documents in accordance with the City's objectives of cost, time, and quality.

The WBK project team worked closely with the City staff to help develop a neighborhood resurfacing program. During design, WBK was responsible for providing the City with an estimate of cost to construct, preparation of bid documents, and assisting with the bid process and coordinating the contract documents with the selected contractor. During construction WBK was responsible for the full-time oversight of all work performed by the contractor, providing daily updates to City staff on the project status, making all field determinations, documenting all work completed, and reviewing and approving change orders and pay estimates. During the course of design and construction the WBK project team reported to the City Engineer and coordinated with other City entities such as the Legal Department, City Clerk, Purchasing Director, Water Department, Street Superintendent and Public Works and also represented the City on this project in regards to any Federal, State or County issues as well.

WBK Engineering, LLC provided the following scope of services:

- Preliminary Design
- Preparation of Bid Package Documents & estimate of construction cost
- Field reconnaissance and measurements require for the proposed improvements
- Administering the bid opening & preconstruction meetings
- Construction observation & documentation services
- Reviewing & approving contractor pay requests & change orders

Client:
Joseph Evers, P.E. (Retired)
City Engineer
City of Elgin
Elgin, IL
847.931.6098

James Beverly
Engineering Inspector
City of Elgin
Elgin, IL
847.931.6098

Project / Client	City of Elgin Neighborhood Resurfacing Program City of Elgin, IL
Scope of Work / (Contractor) / Client POC	WBK Engineering has assisted the City of Elgin with design and construction oversight of annual neighborhood resurfacing program for each of the last 8 years. / Various Contractors / Vince Di Prima
Project Team	Greg Chismark, PE, Vince Di Prima, PE, CPESC, Chris Brazas, PE, Brett Baseley, Mark Pentz
Construction Cost / Fee / Year	Average Annual Cost $1,800,000 / 11% of Construction Cost (design & construction) / 2010-2017

Short List Category: Resident Engineering



East Galena Boulevard & East Downer Place Sewer Separation

AURORA, IL

This project includes installation of new underground utilities including water main, sanitary main and storm sewer, addressing aging infrastructure and removing storm water from the combined sewer system. Once complete, it will improve water quality for area residents and businesses in Aurora by reducing the number of combined sewer overflows discharging into the Fox River and reducing the frequency of sanitary sewer basement back-ups in the neighborhood.

This project is being constructed as part of the City's Combined Sewer Overflow Long Term Control Plan created as a result of the United States Environmental Protection Agency's unfunded mandate requiring the City of Aurora to address their combined sewer system overflows. The State Revolving Fund (SRF) loan will be repaid using the City's Long Term Control Plan Fee Fund.

Construction of the East Galena Boulevard and East Downer Place Sewer Separation Project from Water Street to State Street in the City of Aurora is being partially financed by the Clean Water SRF. The SRF program is administered by the Illinois Environmental Protection Agency and receives a portion of its money to fund these types of projects from the U.S. Environmental Protection Agency. SRF programs operate in each state to provide communities the resources necessary to build, maintain, and improve the infrastructure that protects one of our most valuable resources: water.

WBK Engineering, LLC (WBK) provided the following Phase III Construction services:

- Pre-Construction Activities
- Resident Engineering Services
- Construction Layout and Record Drawing Survey
- Project Administration and Management

Client:
Jason Bauer, Utility
Construction Coordination
City of Aurora
44 E. Downer Place
Aurora, IL 60507
630-264-4636

Project / Client	East Galena Boulevard & East Downer Place Sewer Separation City of Aurora, IL
Scope of Work / (Contractor) / Client POC	Full Time construction engineering services for a large scale sewer separation and water main replacement project. / Martam Construction / Vince Di Prima
Project Team	Scott Randall, PE, CFM, Vince Di Prima, PE, CPESC, Justin Benham, PE, Andy Haglund, Brett Baseley
Construction Cost / Fee / Year	$9,800,000 / $450,000 / 2016 & 2017

Short List Category: Resident Engineering



Nesler Road over Fitchie Creek Bridge Replacement

KANE COUNTY, IL

WBK was selected by the Plato Township Road District to provide Phase I, Phase II and Phase III engineering services for the replacement of the Nesler Road bridge over Fitchie Creek. The existing Nesler Road Bridge will be removed and replaced. The new superstructure consists of PPC Deck Beams measuring 36'-2" back to back of abutments with a 5" concrete wearing surface. The bridge deck out-to-out width is 30'-0" and will carry two (2) 12'-0" traffic lanes with 3'-0" shoulders on each side. The substructures consist of concrete spill-thru type abutments.

WBK performed the following Phase I activities for this project:

- Route & Hydraulic Surveys
- Stream Hydraulic Analysis and Report
- Wetland and Environmental Surveys and Reporting
- Bridging Inspection and Condition Report
- Preliminary Bridge Design and Hydraulic Report
- Project Development Report

Client:
Plato Township Road District
Larry Trainer
10N924 Rippburger Road
847.464.5121

Phase II engineering activities included:

- Supplemental Surveys
- Utility Coordination
- Plans, Specifications and Estimates
- Permitting

Phase III engineering services construction observation and inspection services to include:

- Utility Relocation Coordination
- Pay Estimates
- Change Orders
- Project Documentation In Accordance With IDOT Procedures, Utilizing the IDOT ICORS Documentation System
- Construction Observation

Project / Client	Nesler Road over Fitchie Creek Bridge Replacement Plato Township Road District, IL
Scope of Work / (Contractor) / Client POC	WBK Engineering completed Phase I, II & III services on this federally funded project. Services included preliminary & final design and construction engineering services. / Dunnet Bay / PJ Fitzpatrick (design) & Vince Di Prima (construction)
Project Team	PJ Fitzpatrick, PE, Monica Crinion, PE, S. Brent Pottorff, Vince Di Prima, PE, CPESC, Chris Brazas, PE, Justin Benham, PE
Construction Cost / Fee / Year	$730,000 / $325,000 (includes all 3 phases) / 2014 - 2017

Short List Category: Resident Engineering



Klein Creek Flood Mitigation Project

CAROL STREAM, IL

The Klein Creek Flood Mitigation Project includes construction of two flood control reservoirs, a pump station and siphon outlet relief sewer system that intakes water from the adjacent Klein Creek during flood events. Although the area was in need of flood relief, DuPage County and its partners needed to be sensitive to the residential and park setting of the flood control structure.

Through in depth public outreach during the planning process, the preliminary design took into account many of the passive and active recreational features to keep intact the community connectivity the park provided. This was accomplished by providing almost two miles of trails throughout the project, constructing two pedestrian bridges over the weir structures and situating the reservoir around existing park amenities.

Ultimately, the project preserved all the existing park amenities for the community, while creating flood storage for those nearby residents whose livelihoods were threatened by flooding.

WBK Engineering, LLC (WBK) was responsible for the following tasks on this project:

- Preparation of Final Engineering Plans for the Flood Control Reservoirs, parking lot, trail, building demolition and utilities
- Completion of Structural Analysis for Concrete Weir Structures
- Design and L-pile structural analysis for the sheetpile design within 20 feet of the pump station
- Completion of Design Hydraulics in FEQ
- Completion of Wetland Field Assessment and Preparation of Report
- Preparation of necessary permit applications
- Preparation of Bid Documents
- Meetings and Administration

APWA CHICAGO METRO AWARD 2016 Public Works Project of the Year
IAFSM Project 2016 Award
ACEC-IL Engineering Excellent Special Achievement Award 2016

Client:
Sarah Hunn, P.E.
DuPage County Stormwater Management
421 N. County Farm Road
Wheaton, IL 60187
630.407.6676

Project / Client	Klein Creek Flood Mitigation Project DuPage County, IL
Scope of Work / (Contractor) / Client POC	Phase I drainage analysis of flood reduction alternatives and recommendations and Phase II design of flood reduction reservoir. Design included two detention cells (one with pumped storage) totaling 114 acre-feet of storage, structural design of concrete weir structures, preparation of permit applications, and bid documents. Design included amenities such as parking lots, trail, utliities and roadways. John Wills, Earthwerks Inc.
Project Team	John Wills, PE, CPESC, Patrick Kelsey, CPSS/SC, Brent Pottorff, Natalie Paver, PWS
Construction Cost / Fee / Year	$11M/$150,000/2012

Short List Category: Stormwater Engineering





DuPage County On-Call Drainage Services

DUPAGE COUNTY, IL

DuPage County contracted with WBK Engineering, LLC (WBK) to provide professional engineering services including design, modeling, surveying and permitting assistance for drainage projects on an on-call basis. The County found that numerous drainage projects arise throughout the year, ranging from extensions of storm systems to complete design of new systems, and its staff needed assistance in bringing these projects from concept to construction in a timely manner.

Two recent projects include replacement of the culverts for First Street and Glenrise Avenue over Tributary #2 of the East Branch DuPage River. Both projects included structural design of reinforced box culverts. WBK prepared final engineering plans, specifications, and estimates and permit applications for the waterway crossings. Permits were obtained from DuPage County, the US Army Corps of Engineers, and Kane-DuPage Soil and Water Conservation District. WBK also prepared a drainage analysis for an area of recurrent flooding and proposed plans for a storm sewer drainage improvement.

WBK Engineering, LLC (WBK) was responsible for the following tasks on this project:

- Perform surveying services including topographic survey, as-builts, preparation of easement documents and survey layout
- Hydraulic analysis of existing and proposed culverts and storm sewers
- Preparation of engineering plans, specifications and estimates for drainage projects
- Preparation of permit applications to local and federal regulatory agencies
- Prepare drainage investigations for areas of historic flooding

Client:
Greg Phillips
Project Manager
DuPage County Public Works
Department
421 North County Farm Road
Wheaton, IL 60187
630.407.6800

Project / Client	DuPage County On-Call Drainage Services DuPage County Public Works, IL
Scope of Work / (Contractor) / Client POC	Phase I drainage analysis of flood prone areas, and culvert repalcement projects, and Phase II design engineering services for culvert replacement and flood analysis. Also assisted with bidding, and RFI's. John Witte, Various Contractors
Project Team	John Wills, PE, CPESC, John Witte, PE, CFM
Construction Cost / Fee / Year	$250,000/$50,000/2014- $250,000/$60,000/2015

Short List Category: Stormwater Engineering



Entrance Road Bridge Replacement & Trail Improvements at McDowell Grove Forest Preserve, Phase I, II & III

DUPAGE COUNTY, IL

McDowell Grove Forest Preserve has one of the highest attendance rates of the District facilities and had seen several recent improvements to keep it that way. The WWII era, single-lane entrance road bridge had never been ideal for internal circulation, especially since it is shared by vehicles and pedestrians alike. WBK performed Phase II engineering and is currently providing Phase III construction observation for the Forest Preserve District of DuPage County on this bridge replacement.

With a previously completed feasibility study, the District Board of Commissioners selected to proceed with Phase II design on a 40' wide by 130' long single-span, precast, prestressed concrete beam superstructure. The proposed bridge alignment is north of the existing structure and will resolve numerous challenges currently experienced by both the District and its users.

Proposed improvements include a new bridge structure, approximately 40' wide by 130' long, over the West Branch of the DuPage River and 500' of multi-use path. The new structure will be wide enough for 2 lanes of vehicular traffic and a 10' multi-purpose path. Additionally, the existing entrance road will be realigned to improve geometrics and hydraulics.

The Scope of Services for the design engineering involved a comprehensive Phase II process with abbreviated Phase I task items. Included in this scope is site survey, drainage design and modeling, bridge alternative analysis, plans, specifications and estimate, environmental survey, permitting, project packaging, and the necessary meetings.

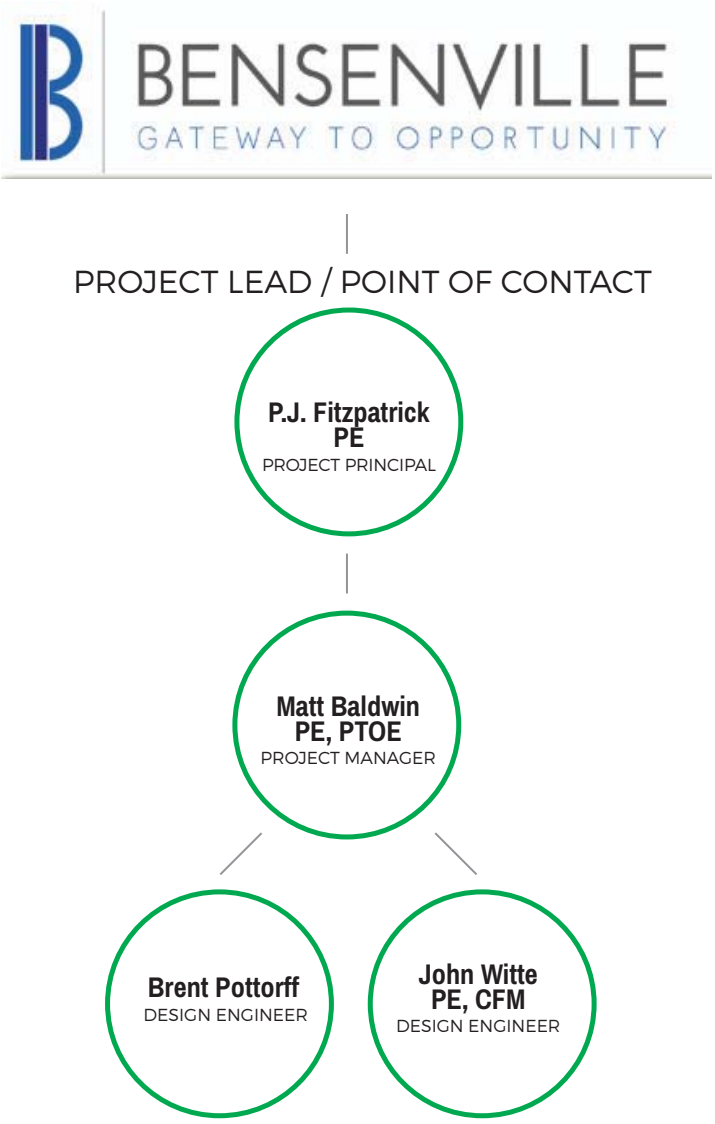
Engineering was completed in order to facilitate a Spring 2017 construction. WBK is currently providing construction observation.

Client:
Forest Preserve District of
DuPage County
Brock Lovelace, P.E.
3 South 580 Naperville Road
Wheaton, IL 60189
630.933.7200

Project / Client	Entrance Road Bridge Replacement & Trail Improvements at McDowell Grove Forest Preserve District of DuPage County, IL
Scope of Work / (Contractor) / Client POC	Provided Phase I and II engineering services for replacement of a pedestrian and vehicular bridge over the West Branch of the DuPage River. Phase I included preliminary geometry, bridge alternative analysis, hydraulic modeling and permit coordination, preparation of permits including DuPage County Stormwater, USACE, and IDNR. Phase II included preparation of engineering plans and contract documents for the bridge and intersection improvements. Currently are wrapping up Phase III services for the bridge construction. Matt Baldwin, Dunett Bay
Project Team	John Wills, PE, CPESC, Matt Baldwin, PE, PTOE, John Witte, PE, CFM, Scott Randall, PE, CFM, Monica Crinion, PE, John Mueller, EI, Ryan Sikes, PE
Construction Cost / Fee / Year	$2.3M/$250,000/2016

Short List Category: Stormwater Engineering

DESIGN ENGINEERING



DESIGN ENGINEERING

Name/Registration/ Title	Years of Experience/ @ Firm	IDOT/Municipal Project Experience
P.J. Fitzpatrick, PE, Transportation Practice Principal	29 years / 10 years	As the Transportation Practice Principal, P.J. is responsible for the delivery of tranportation related planning and design projects at WBK. With a focus on project implementation, P.J. has lead the planning and design efforts for projects sponsored by IDOT (various districts), ISTHA, Counties (Kane, Kendall, DuPage, McHenry, Lake, Winnebago, and Morgan), as well as transportation related improvements for municipalities (Rockford, DeKalb, Woodstock, Carol Stream, West Chicago, St. Charles, Geneva, Batavia, Aurora and Crystal Lake).
Matt Baldwin, PE, PTOE, Project Manager	11 years / 3 years	Matt has been the designer, Project Engineer, and Project Manager for multiple IDOT BLRS and municipal projects over his 11 years of experience. With a focus in intersection design and traffic modeling, Matt has completed several recent traffic studies, urban downtown designs, revisions to local signage, and identified safety countermeasures for the City of DeKalb. Additionally, Matt has managed or designed larger Federally funded roadway corridor projects for both municpalities (Geneva, Rockford, and Schaumburg) and County clients (Lake, Kane, McHenry, Kendall).
Brent Pottorff, Design Engineer	34 years / 10 years	Brent has been the designer, Project Engineer, and Project Manager for multiple IDOT BLRS and municipal projects over his 34 years of experience. With a focus in roadway and municipal engineering project that utilize federal funding, Brent has completed several recent roadway cooridor designs and bridge projects, bike path and other pedestrian projects, and urban downtown projects. Brent's design and management efforts for projects sponsored by IDOT (various districts), Counties and Forest Preserve Districts (Kane, Kendall, DuPage, McHenry, and Lake), as well as transportation related improvements for municipalities (DeKalb, Carol Stream, St. Charles, Geneva, Batavia, and Aurora).
John Witte, PE, CFM, Design Engineer	20 years / 14 years	John has served as design engineer and project manager with regards to stormwater management for multiple IDOT and local municipal transportation projects. His experience include preparing Location Drainage Studies (LDS) and Hydraulic Reports (HR) for IDOT District One (Various/ Various) projects, and local bridge and roadway projects. His experience includes design of projects ranging from local storm sewer projects to large flood control projects. John has prepared forensic flood reduction studies and recommended improvements for local municipalities and engineering design plans for those improvements.



P.J. Fitzpatrick, P.E.

TRANSPORTATION PRACTICE PRINCIPAL / PROJECT LEAD

About P.J.

Mr. Fitzpatrick has 29 plus years of experience leading the planning, design and implementation of transportation related projects for local and state agencies. In his present role, P.J. continues to manage multiple transportation projects and also oversees the work of WBK's Transportation Practice.

Education

B.S., Civil Engineering, Bradley University, Peoria, Illinois, 1988

Professional Registrations & Certifications

P.E, Illinois 62-047637
P.E., Michigan 6201064044
P.E., Missouri, 2016022874

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Related Project Experience

IL Route 38 at County Farm Intersection Improvement (D-91-177-13), PTB 167/014, DuPage County, IL, Illinois Department of Transportation District 1

Project Manager for this project providing Phase II engineering services for preparation of contract plans, specifications and cost estimates including structures and highway plans for reconstruction of IL 38 at the intersection of County Farm Road and Shaffner Road, in the Village of Winfield. The IL 38 profile is expected to be modified and the two existing structures carrying IL 38 and Shaffner Road, respectively, over Winfield Creek are anticipated to be replaced by a single double cell box culvert. The project is expected to include the addition of east bound dual left turn lanes and a west bound right turn lane at the intersection of IL 38 and County Farm Road, as well as a west bound left turn lane at Shaffner Road. The project is also anticipated to include traffic signal modernization and installation of barrier median along IL 38 to improve access control. The improvement includes the preparation of pavement marking and signage plans for the 4000 feet of 5-lane urban highway, including one channelized intersection, and another that is channelized and signalized.

Bunker Road Extension - Keslinger Road to LaFox Road, Kane County, IL

Project Lead on this project, providing preliminary and final design engineering services related to the extension of Bunker Road from its current limit at the LaFox Metra Station to LaFox Road, north of the LaFox Village District Center. The extension length is approximately 5,000 feet and includes an underpass beneath the existing Union Pacific railroad tracks. A roundabout is proposed at the Bunker Road/Keslinger Road intersection with a stop-controlled intersection at Bunker Road/LaFox Road. This project includes the pavement marking and signing of nearly a mile of rural two-lane highway, with 2 channelized intersections and Roundabout striping.

Collins Road Extension Feasibility Study & Phase I Engineering, Kendall County, IL

Project Manager for this project to determine the feasibility of extending existing Collins Road to the west eventually terminating at the intersection of IL Rte 71. The limits include Collins Road from Grove Road to IL Route 71, and Minkler Road from the future intersection with Collins Road to IL Rte 71. Provided oversight for these tasks: Gather and inventory existing data, perform an opportunities and constraints analysis of the corridor, prepared a system requirements matrix, and evaluated the required improvements, meetings and coordination and project administration. Phase I preliminary engineering involves a comprehensive study, including a Structure TS&L, PBDHR, preliminary geotechnical investigation, intersection studies, environmental survey, location drainage and hydraulic reports, permitting coordination, topographic and stream survey, PDR and public involvement.

Phase II Engineering Services for the replacement of Illinois Route 173 over NippersinkCreek (FAP 303) (Job No. D-91-012-10), Illinois Department of Transportation District 1, PTB 153/020

Project Manager for Phase II engineering services on this project to prepare plans, specifications, estimates and permit applications for the replacement of the structure carrying IL Route 173 over the Nippersink Creek in McHenry County. The existing 2-span structure was replaced with a single span PPC I-Beam structure. A profile adjustment of approximately 5 feet requires the reconstruction of the approach pavement, as well.

Franklinville Road over Franklinville Creek Bridge Replacement, McHenry County, IL

Project Principal for Phase I and Phase II engineering services for the replacement of the Franklinville Road bridge over Franklinville Creek. Built in 1954, the existing structure has a span length of 38' and supports 2-12'traffic lanes. Provide oversight for Phase I process including route & hydraulic surveys, Stream Hydraulic Analysis and Report, Wetland and Environmental Surveys and Reporting, Bridge Inspection and Condition Report, Preliminary Bridge Design and Hydraulic Report, Franklinville by-pass Study, and Project Development Report.



Matthew Baldwin, P.E., PTOE

PROJECT MANAGER

About Matt

Matt Baldwin has 11 years of experience in civil engineering and is a Project Manager at WBK. He has a strong background in transportation engineering on local, county, Illinois Division of Transportation and Illinois Toll Highway Authority projects. Since joining WBK, Matt has played a lead role on projects for KDOT, McDOT, and the Village of Schaumburg.

Education

B.S., Civil Engineering, University of Illinois, Urbana-Champaign, 2006

Professional Registrations & Certifications

P.E., Illinois #62-2063297
P.E., Michigan #6201064024
PTOE, Illinois License #3951

Illinois Department Of Transportation Training

Documentation of Contract Quantities
Plan format and composition
Illinois Section ITE: Roundabout Training Course
Fundamentals of Stormwater Pollution and Erosion & Sediment Control

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Related Project Experience

City of DeKalb Engineering Services, DeKalb, IL
Design Engineer and Manager on various engineering projects for the City of DeKalb. General responsibilities included traffic studies, HCS modeling and capacity analysis, pedestrian safety and traffic calming analysis, existing and proposed signage evaluation, intersection geometry design, site circulation alternatives and proposed geometry layouts, and completion of a Phase I project development report.

Bunker Road Extension - Keslinger Road to LaFox Road, Kane County, IL
Project Manager, providing preliminary and final design engineering services related to the extension of Bunker Road from its current limit at the LaFox Metra Station to LaFox Road, north of the LaFox Village District Center. Responsibilities include design of all major roadway items, including the roundabout, within the corridor, managing project tasks, subconsultants, and primary client contact. The project includes a new roadway alignment, roadway rehab, patching and reconstruction, conversion of a TWSC intersection to a roundabout, detention, drainage improvements, proposed bridge, structural culvert, detour, lighting, and any necessary appurtenances. Deliverables for Phase I/II services include, project design memorandum, IDS for Bunker/Keslinger, plans and contract documents.

Kirk Road at Pine Street/Fermilab Entrance Intersection, Kane County, IL
Project Manager for this Phase I & II engineering services project for the intersection improvements at Kirk Road and Pine Street / Fermilab Campus. The project includes constructing a northbound right turn lane along Kirk Road at the intersection including ADA improvements, based on 3R criteria. Matt is leading the preparation of traffic studies, analysis of crash data, and any intersection studies required to furnish data for the design of the proposed safety improvement.

Entrance Road Bridge Replacement & Trail Improvements at McDowell Grove Forest Preserve Phase I, II & III, DuPage County, IL
Project Manager for Phase I and II engineering on this project. Phase I included preliminary geometry, bridge alternative analysis, hydraulic modeling, and permitting coordination. Phase II included the design of a 130' single-span concrete beam bridge over the West Branch of the DuPage River. The current bridge overtops significantly in the 10 year storm event, causing debris and long-term maintenance concerns. It dates back to WWII and is a 10' wide single-lane entrance bridge to the McDowell Grove Forest Preserve, utilized by both pedestrians and vehicles alike. Matt was responsible for the geometric design of the roadway and pedestrian path, staging plans, organizing and managing the project team, and all final plan deliverables. Design was completed in early 2017 and scheduled to start construction in summer 2017.

Longmeadow Parkway Extension and Reconstruction Phase II
Kane County Division of Transportation, IL
Project Engineer, responsible for reconstruction of major collector Sleepy Hollow Road and State Route IL Rte 31. Worked with BLA to complete feasibility study of at-grade vs. grade separation options over IL Rte 31. After grade separation was chosen as the preferred alternative, designed proposed ramp and corresponding intersections between Longmeadow Parkway and IL Rte 31. Completed IDSs and signal layout for 3 intersections within design segment, including Sleepy Hollow Road/Longmeadow Parkway, IL 31 Ramp/Longmeadow Parkway, and IL 31 Ramp/IL Rte 31. Longmeadow Parkway will be reconstructed, widened, and extended from Boyer Road to Algonquin Road. The design contract was broken into 4 segments, with Segment B extending from east of Randall Road to east of IL Rte 31. One of the major Phase II design tasks was to determine the feasibility of building a grade separation for Longmeadow Parkway at Il Rte 31 to avoid excessive earthwork, reduce the intersection footprint, and maximize east-west capacity. Phase II design project creating a new strategic regional arterial providing east-west corridor through Kane County, while expanding and extending 2-lane local road to a 5-lane facility. Design Completed in 2015. On-going (projected staged construction 2016-2018)



About Brent

Mr. Pottorff has 34 years of experience in the planning, design, and construction of transportation related projects, including extensive work with IDOT as well as numerous local agencies. He joined WBK in February 2007 as a Project Manager and Transportation Group Leader. Brent has served as Project Manager on numerous award winning projects and was part of the team named winner of Kane County Division of Transportation's inaugural Engineer of the Year award.

Education

B.S, Civil Engineering Technology, Southern Illinois University, 1982

Continuing Education

IDOT Documentation - Certification #08-0355
IDOT Stormwater Pollution and Erosion & Sediment Control
IDOT Bituminous Proportioning
IDOT Design Surveying
IDOT Detention Basin Design
IDOT/ACI Levels I & II Concrete Inspection
IDOT QA/QC Hot Mix Asphalt Levels I & II
IDOT QA/QC Aggregate Mixture
ISTHA Construction Documentation Seminar

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S. Brent Pottorff

DESIGN ENGINEER

Related Project Experience

IL Route 38 at County Farm Intersection Improvement (D-91-177-13), PTB 167/014, DuPage County, IL, Illinois Department of Transportation District 1

Design Engineer for this project providing Phase II engineering services for preparation of contract plans, specifications and cost estimates including structures and highway plans for reconstruction of IL 38 at the intersection of County Farm Road and Shaffner Road, in the Village of Winfield. The project is expected to include the addition of east bound dual left turn lanes and a west bound right turn lane at the intersection of IL 38 and County Farm Road, as well as a west bound left turn lane at Shaffner Road. The project is also anticipated to include traffic signal modernization and installation of barrier median along IL 38 to improve access control.

Bunker Road Extension - Keslinger Road to LaFox Road
Kane County Division of Transportation, IL

Roadway Design on this project, providing preliminary and final design engineering services related to the extension of Bunker Road from its current limit at the LaFox Metra Station to LaFox Road, north of the LaFox Village District Center. The extension length is approximately 5,000 feet and includes an underpass beneath the existing Union Pacific railroad tracks. A roundabout will, as well as Bunker Road/Keslinger Road intersection, be provided at the intersection of Bunker Road, Old LaFox Road and LaFox Road.

Jericho Road over Blackberry Creek, Phase I & Phase II
Kane County Division of Transportation, IL

Project Manager for Phase I engineering for the replacement of Jericho Road Bridge over Blackberry Creek. The project involved widening and raising the existing two-lane roadway with a new three (3) lane bridge with a with a precast, prestressed deck beam superstructure supported on a solid wall reinforced concrete pier and reinforced concrete pile bent abutments to meet current roadway standards and meet hydraulic requirements. Phase I engineering included a comprehensive preliminary engineering study, which included a Project Development Report, bridge inspection and Bridge Condition Report, environmental survey, stream hydraulic analysis, geotechnical investigation, preliminary design survey, stream survey, right-of-way survey, plats and legal descriptions.

LaFox Road over Mill Creek, Phase II Engineering
Kane County Division of Transportation, IL

Project Manager and transportation lead for the Phase I and Phase II engineering services to prepare plans, specifications, estimates, right-of-way plats and legal descriptions and permit applications for the replacement of the culvert structure carrying LaFox Road over Mill Creek in Kane County. Phase II engineering improvements include stage construction of a new two (2) lane, one-span bridge with a with a precast, prestressed deck beam superstructure supported on reinforced concrete pile bent abutments, new approach pavements, full depth HMA roadway and shoulder reconstruction, new steel sheet pile retaining wall, 6'x6' box culvert and end sections, new storm sewer system, guardrails, striping and signage, and restoration.

Bliss Road over Blackberry Creek, Kane County Division of Transportation, IL

Transportation lead for Phase I engineering for the replacement of Bliss Road Bridge over Blackberry Creek. The project involved widening and raising the existing two-lane roadway under staged construction with a new three (3) lane superelevated bridge with a wide flange steel beam superstructure supported on a reinforced concrete pile bent abutments to meet current roadway standards and meet hydraulic requirements. Phase I engineering included a comprehensive preliminary engineering study, which included a Project Development Report, bridge inspection and Bridge Condition Report, environmental survey, stream hydraulic analysis, geotechnical investigation, preliminary design survey, stream survey, right-of-way survey, plats and legal descriptions.



John Witte, P.E., CFM

DESIGN ENGINEER

About John

John Witte has over 20 years of experience in the field of civil engineering. He is responsible for managing engineers and technicians in providing civil engineering plan sets for projects in civil site residential and commercial development, floodplain and floodway studies, and roadway drainage. John has a wide range of drainage experience, including the completion of hydraulic reports, drainage investigations, and location drainage studies for IDOT, as well as finalizing city and municipal stormwater permits for developments, and completing floodplain and floodway letters of map revision.

Education

M.S., Civil and Environmental Engineering, Marquette University
B.S., Fisheries and Wildlife Biology, Iowa State University

Professional Registrations & Certifications

P.E., Illinois #062-058599
P.E., Wisconsin #37481-006
P.E., Michigan #6201064027
P.E., Indiana #11700464
CFM, Illinois #06-00233

WBK engineering

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Related Project Experience

IL Route 38 at County Farm Intersection Improvement (D-91-177-13), Illinois Department of Transportation District 1, PTB 167/014

As Drainage Engineer on this project, John prepared hydraulic reports and permitting. Drainage Engineer for this project providing hydraulic reports and permitting as part of Phase II engineering services for preparation of contract plans, specifications and cost estimates including structures and highway plans for reconstruction of IL 38 at the intersection of County Farm Road and Shaffner Road, in the Village of Winfield. The IL 38 profile is expected to be modified and the two existing structures carrying IL 38 and Shaffner Road, respectively, over Winfield Creek are anticipated to be replaced by a single double cell box culvert.

Bunker Road Extension - Keslinger Road to LaFox Road
Kane County Division of Transportation, IL

Drainage Design Manager on this project, providing preliminary and final design engineering services related to the one mile extension of Bunker Road from its current limit at the LaFox Metra Station to LaFox Road, north of the LaFox Village District Center. Drainage design included preparation of a hydraulic report for a double cell box culvert, and location drainage study for the roadway improvements. Design also included design of four detention ponds, multiple cross road culverts, and proposed storm sewer. The design also included floodplain fill and compensatory storage analysis for work in the floodplain. Permit applications to Illinois Department of Natural Resources, Office of Water Resources, and Kane County Stormwater were prepared and obtained.

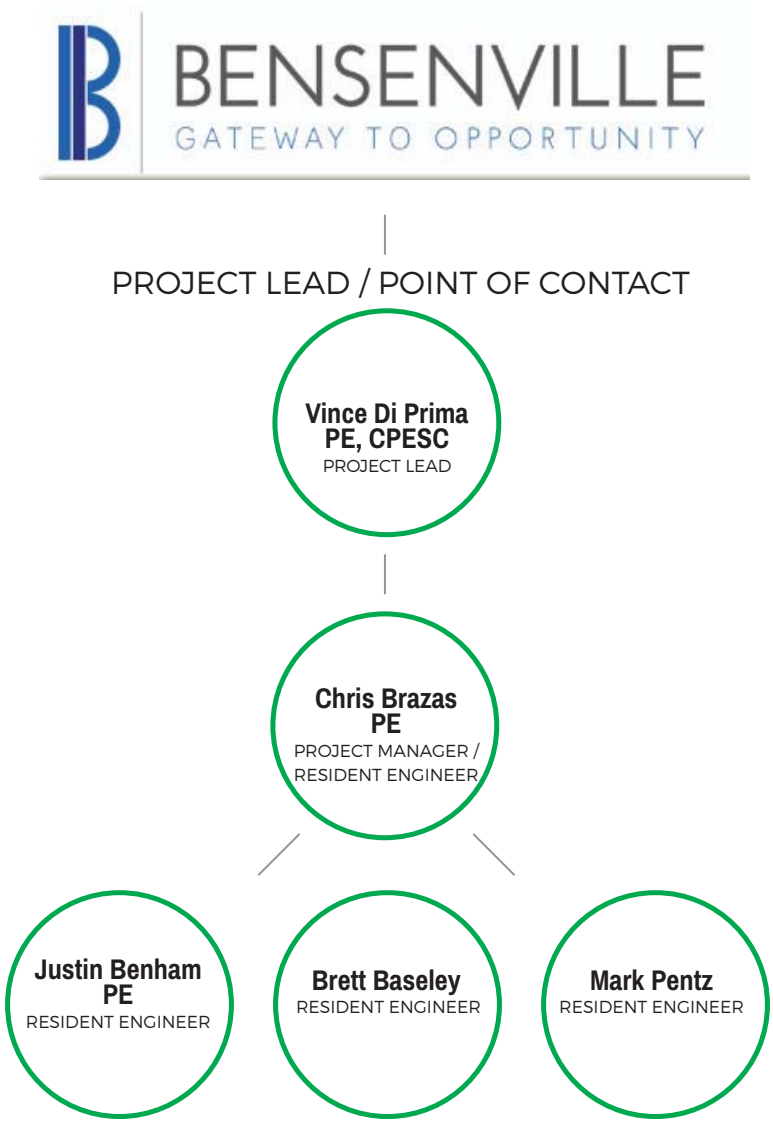
LaFox Road over Mill Creek Structure Replacements
Kane County Division of Transportation, IL

Kane County Division of Transportation contracted with WBK Engineering to provide Phase I and Phase II Engineering services to prepare plans, specifications, estimates, right-of-way plats and legal descriptions and permit applications for the replacement of the 8’ x 7’ twin cell reinforced concrete box culvert carrying LaFox Road over Mill Creek and a smaller 4’ x 6½’ reinforced concrete box culvert carrying a tributary of Mill Creek in Kane County. Improvements include stage construction of a new two (2) lane, one-span bridge with a with a precast, prestressed deck beam superstructure supported on reinforced concrete pile bent abutments, new approach pavements, full depth HMA roadway and shoulder reconstruction, new steel sheet pile retaining wall, 6’x6’ box culvert and end sections, new storm sewer system, guardrails, striping and signage, and restoration. Phase I scope of work: roadway/structure alignment studies, accident, noise and air quality analysis, stream hydraulic analysis and report, environmental studies with 4(f) involvement, right-of-way evaluation, wetland impacts and reports, and public involvement and meetings. Phase II scope of work: storm sewer system and stormwater management, staged construction to maintain through traffic, major utility coordination, final plans, specifications, construction cost estimates and contact time. John’s responsibilities included preparing the drainage scope of work including hydraulic analysis of existing and proposed culverts/bridge using HEC-RAS, design of cross road culverts, sizing ditches and compensatory storage calculations. An IDOT formatted hydraulic report was prepared as supporting documentation for the IDNR floodway construction permit.

Collins Road Extension, Phase I Engineering, Kendall County Highway Department, IL

Lead Drainage Engineer on this Phase I project for the extension of Collins Road to provide a new east-west corridor in Kendall County. John is responsible for a Location Drainage Study and Hydraulic Report for the proposed 2.3 mile extension as well as conducting a hydraulic stream survey and Hydraulic Report of Morgan Creek. The project also requires an IDNR-OWR Floodway Construction Permit.

RESIDENT ENGINEERING



RESIDENT ENGINEERING

Name/Registration/Title	Years of Experience/ @ Firm	IDOT/Municipal Project Experience
Vince Di Prima, PE, CPESC, Construction Services Manager	10 years / 10 years	Served as the lead design and resident engineer on an annual roadway resurfacing project for the City of Elgin each of the last 8 years. Also, provided resident engineering services on bridge replacements, utility replacement and streetscape projects. Has lead the construction services group at WBK for the last 4 years.
Chris Brazas, PE, Resident Engineer	34 years / 2 years	Joined WBK in 2015 after completing a successful 30+ year career at IDOT. Throughout his career he has served a Resident Engineer for IDOT projects and more recently on local municipal projects. Chris also served as the Local Agency Area Engineer in the Bureau of Construction for Lake & McHenry Counties.
Justin Benham, PE, Resident Engineer	6 years / 3 years	Resident engineer for multiple sewer separation projects in City of Aurora, as well as St. Joseph's Creek Streambank Stabilization project in Village of Westmont. Conduct site development inspections for City of St. Charles.
Brett Baseley, Resident Engineer	32 years / 4 years	Has 30 years of experience in providing construction oversight services specializing in roadway and underground utility improvements. Recently, served as a resident engineer on numerous large scale sewer separation projects in the City of Aurora ranging from 1.5 to 9.8 million in value.
Mark Pentz, Resident Engineer	1 year / 0.5 year	Resident engineer for multiple development projects in the Village of West Dundee and the City of DeKalb. Also, served as an assistant resident engineer for a city wide resurfacing project in the City of Elgin. In addition, he previously interned for the City of DeKalb.



Vincent Di Prima, P.E., CPESC

CONSTRUCTION SERVICES MANAGER / PROJECT LEAD

About Vince

Vince has 10 years of experience in the field of civil engineering with a focus on construction oversight and municipal engineering. His responsibilities include construction observation and documentation, MFT program design and management, assisting with design and permitting of site development and municipal engineering plan reviews. Vince's experience includes hydraulic analysis of storm sewer, hydrologic analysis, and stormwater management permitting for Kane and DuPage Counties. Vince also has 7 years of experience in construction observation and soil erosion and sediment control inspections for the Village of West Dundee and the City of Elgin respectively.

Education

B.S., Agricultural Engineering, University of Illinois

Professional Registrations & Certifications

P.E., Illinois 62-064196, 2012
CPESC #4979
Designated Erosion Control Inspector, Lake County

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Illinois Department Of Transportation Training

IDOT Documentation, (Certificate # 14-0464) - 2014
IDOT Construction Material Inspection Documentation

Related Project Experience

Oakwood Park Subdivision Water Main & Road Improvement, City of Elgin, IL
WBK provided resident engineering on two projects in the Oakwood Park Subdivision. Construction in 2015 consisted of installing new water main, transferring domestic water services, abandonment of old water main, and sanitary point repairs. In 2016, WBK provided construction engineering for a roadway reconstruction project including some drainage improvements. The roadway improvements included a new 9 inch pavement section and re-profiling and widening of the roads to improve driving conditions. WBK's was responsible for providing full-time construction oversight including utility coordination, public notifications, and coordination of the project schedule with the City of Elgin.

2014/2015 Neighborhood Resurfacing Program, Southwest, City of Elgin, IL
Served as Design and Resident Engineer on both annual programs. Design engineering included providing field analysis of multiple residential subdivisions, preparing contract documents and specification for bid and overseeing the bidding process. Served as the Resident Engineer, providing construction management oversight on streets in the Woodbridge South Subdivision, Mulberry Grove Subdivision, Heartland Subdivision and the restoration of a central business district parking lot that required completion in conjunction with the City of Elgin's Promenade project. These programs included the construction oversight and documentation of skip patch curb and sidewalk repairs, minor underground utility repairs and adjustments, ADA compliance for sidewalk corners, full depth pavement removal, basic resurfacing and landscape restoration. The Resident Engineer also managed all communications and outreach with the impacted residents throughout the course of the project.

2014/2015 McLean Boulevard Resurfacing, City of Elgin, IL
Assisted with design engineering, including field evaluation and documentation of necessary repairs, updating and modifying specifications and completing an overall review of contract documents and quantities scheduled for bid. Served as Resident Engineer, providing construction management, oversight and documentation on this project for the resurfacing of McLean Boulevard. Due to weather and timing constraints this project was completed in multiple phases. Phase I (Meyer Street to Highland Avenue) was completed in the fall of 2014 and Phase II (Highland Avenue to Big Timber Road) completed in 2015. This program includes construction oversight of curb and sidewalk repairs, underground utility adjustments, ADA compliance, detector loop replacement, traffic signal coordination, pavement patching, basic resurfacing and landscape restoration. The Resident Engineer also managed all communications with impacted residents and coordination with the US Route 20 & McLean Boulevard construction project.

East Galena Blvd. & East Downer Place Sewer Separation, City of Aurora, IL
Served as the Project Manager for this large scale sewer separation and utility replacement project. Vince was responsible for the oversight of all construction engineering services. The improvements include the installation of a new separate storm sewer system primarily 48 inches and larger, replacement of the vast majority of the existing sanitary sewer and water main serving the area and the reconstruction of the pavement section on Galena Boulevard and Downer Place.



Chris Brazas, P.E.

PROJECT MANAGER / RESIDENT ENGINEER

About Chris

Chris Brazas joined WBK in 2015 bringing with him 31 years of experience working for the Illinois Department of Transportation. He works with the Municipal Engineering group providing construction administration services on local, county, and Illinois Division of Transportation projects. New to WBK, the project experience listed here includes Chris's recent projects with previous employers.

Education

M.S., Civil & Environmental Engineering, University of Illinois at Chicago, 2003
B.S., Civil Engineering, Purdue University, 1983

Professional Registrations & Certifications

P.E., Illinois, #062-044845

Related Project Experience

Nesler Road over Fitchie Creek Bridge Replacement, Plato Township, IL
Served as the full-time Resident Engineer for this project for the removal and replacement of the existing superstructure. The full-time construction observation and inspection services included utility work coordination, pay estimates, change orders, project closeout in accordance with IDOT procedures, utilizing the IDOT ICORS Documentation System and construction observation.

City of St. Charles 2016 MFT Program, City of St. Charles, IL
As Resident Engineer for this project, Chris was responsible for staying on schedule with the goal to complete all roadway maintenance activities prior to the start of school in mid-August. He was responsible for the oversight of all work performed by the contractor, providing daily updates to City staff on the project status, making all field determinations, documenting all work completed, and reviewing and approving change orders and pay estimates. Chris was also responsible for providing the City with an estimate of construction completed so the City could maximize street maintenance utilizing the contract bid prices.

Busse Woods Reservoir South Dam Modifications, Elk Grove Village, IL
Resident Engineer on this $2.7 million modification project to the South Dam over Salt Creek. Work on the project included removing a portion of the existing weir and replacing it with a movable steel leaf gate. The movable gate would be able to be raised or lowered using automatic controls in order to abate potential flooding in the Salk Creek watershed area in Elk Grove Village. The project included remote monitoring sites which would send water elevation information via radio waves to a control station at the south dam site. The control station could also be operated remotely for convenience. Components of the project included cofferdam installation, concrete construction, earthwork, rip-rap installation, installation of the movable weir gate, hydraulic systems, electrical systems, a control house, modular block retaining wall, video surveillance system, backup power system, remote radio towers and water sensors, precipitation monitoring, and restoration to the pedestrian pathway and landscaping.

Peck Road LAFO, City of St. Charles, IL
Resident Engineer on this resurfacing project on Peck Road from IL Route 38 to Dean Street. Project included HMA removal (cold milling), level binder, HMA surface course, sidewalk removal and replacement, curb & gutter removal and replacement, pavement markings, landscape restoration and other collateral work. A component of the project included excavating a drainage area at the north end of the project to alleviate standing water on the roadway while keeping the excavated material on-site in a nicely landscaped area.

Springbrook No. 1 Creek, Forest Preserve District of DuPage County, IL
Resident Engineer on a portion of this wetland restoration project involving reconstructing a 25 foot roadway access bridge and installing a new 70 foot pedestrian bridge. The access bridge included concrete filled 12 inch metal shell piles, concrete abutments, 11 inch deck beams and an HMA wearing surface. The pedestrian bridge also included concrete filled 12 inch metal shell piles and concrete abutments. The bridge superstructure was a pre-built steel and wood structure set into place. The pedestrian bridge was built in the early phase of the overall project, prior to the installation of the pathways. Construction was completed in the fall of 2015.

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Justin Benham, P.E.
RESIDENT ENGINEER

About Justin
Justin has 6 years of civil engineering experience. He is working with the Municipal Practice Group, supporting various municipal engineering activities, including utility design, site civil design, transportation, roadway design, streambank stabilization, stormwater drainage, and resident engineering on construction projects. Justin earned his Bachelor of Science Degree in Civil Engineering in 2011 from Purdue University, with an emphasis on hydraulics and hydrology.

Education
B.S., Civil Engineering, Purdue University, 2011

Professional Registrations & Certifications
P.E., Illinois 062.068300 - 2015

Professional Affiliations
APWA Suburban Branch

Related Project Experience
East Galena Boulevard & East Downer Place Sewer Separation, City of Aurora, IL
Assistant Resident Engineer for this project and oversaw the installation of storm sewer (up to 60" diameter), sanitary sewer and watermain on Galena Boulevard, IL Route 25 (Broadway Avenue), LaSalle Street and Downer Place in downtown Aurora. Justin helped oversee restoration of the pavement and sidewalk along Galena Boulevard. Other project tasks included documentation of contract quantities and coordination with private residents and businesses regarding their project concerns.

Otter Creek Streambank Stabilization, South Elgin, IL
As Project Engineer, Justin assessed and designed various bio-engineered and structural treatments for stabilization of 1,400 feet of channel. His responsibilities also included the preparation of engineering plans and specifications for the selected stabilization.

Timber Ridge Stream Stabilization, Timber Ridge Forest Preserve, West Chicago, IL
Served as Project Engineer for the Timber Ridge stream stabilization project on the West Branch of the DuPage River. The project involved controlling accelerated bank erosion on the east channel bank to protect a multi-use path constructed by the Forest Preserve District of DuPage County. Bank stabilization was accomplished through the use of a naturalized stone toe and the placement of stream barbs to direct sediments toward shore. The project also included the creation of an accessible canoe and kayak launch. The project was permitted through the USACE Chicago District, DuPage County Stormwater and the Kane-DuPage SWCD.

Village of Westmont Phase III Services, St. Joseph's Creek Streambank Stabilization Westmont, IL
As Resident Engineer, Justin provided construction oversight and administration for over 2,100 feet of streambank stabilization. The project utilized a stone toe treatment in addition to structural stabilization methods. Restoration efforts included native grasses and over 4,000 emergent plantings in the stream channel.

DuPage County Stormwater Management Facilities Engineering, DuPage County, IL
As Design Engineer for this multi-location on-call services project, Justin's responsibilities included conducting a technical analysis regarding the replacement of the structural crest gate at the Spring Creek Reservoir in Bloomingdale, as well as the development and preparation of engineering plans to address bank slope erosion issues at the Gary-Kehoe Reservoir in Carol Stream and the Bond Street Detention Pond in Naperville.

Review Engineer, Various Municipalities, IL
Review engineer assisting municipal staff with development review services. Reviews plans for conformance with local subdivision, floodplain and stormwater management ordinances. Coordinates with City / Village staff as well as the development consultants and applicants. Communities include:

City of St. Charles
City of Geneva
Village of West Dundee
Kendall County
Village of South Elgin

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Brett Baseley
RESIDENT ENGINEER

About Brett
Brett Baseley joined WBK in the spring of 2013. He brings with him 30 years of experience in various aspects of public works street projects. He has provided construction observations on projects involving FAU, IDOT, MFT and bond issue improvements specializing in roadway and underground utility improvements. He has managed all phases of construction inspection, topographic surveys, construction layout, staking and drafting of plans and preparing documents for public works and street projects.

Education
General Business Studies,
College of Lake County

Illinois Department Of Transportation Certifications
ICORS
Documentation of Contract Quantities (Certificate #14-0553)
Erosion & Sediment Control
APWA Equipment Rental Rates Blue Book
Mixture Aggregate Technician

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Illinois Department Of Transportation Training
Pavement Construction Inspection
Drainage Structure Inspection
CECI Construction & Materials
CECI Construction Services
Construction Staking
Troxler Training

Related Project Experience
Aurora North East Sewer Separation, City of Aurora, IL
As Resident Engineer on this project, Brett provided construction oversight and management. Brett's responsibilities include field inspection and documentation of work and quantities, contractor coordination, preparation and submittal of cost estimates and change orders, and final processing to assist the City. This sewer separation project consisted of expanding existing storm sewer networks in the combined sewer basin tributary to CSO No. 22 (Superior St.) and CSO No. 8 (East Benton) on behalf of the City of Aurora to reduce its CSO operation. The proposed improvements included seven different storm sewer systems and over 10,000 feet of new pipe ranging in size from 12 to 48-inch in diameter.

Farnsworth Avenue & Sheffer Road Water Main Replacement, City of Aurora, IL
Served as the Lead Resident Engineer, providing all overnight construction oversight and documentation, staff management and coordination with City staff. Brett's responsibilities included field inspection, documentation of quantities, preparation and submittal of cost estimates and change orders, and final processing to assist the City. This project consisted of the installation of approximately 4,800 lineal feet of new 12-inch water main along Farnsworth Avenue between Indian Trail and Sheffer Road and along Sheffer Road between Ohio Street and Farnsworth Avenue with appurtenance and transfer of existing domestic water services.

Woodlawn Avenue and Prairie Street Sewer Separation Project, City of Aurora, IL
As Resident Engineer on this project, Brett provided construction oversight and management. Brett's responsibilities include field inspection and documentation of work and quantities, contractor coordination, preparation and submittal of cost estimates and change orders, and final processing to assist the City. This sewer separation project consisted of expanding existing storm sewer networks in the combined sewer basin tributary to CSO No. 10 on behalf of the City of Aurora to reduce its CSO operation. The proposed improvements included storm sewer systems with over 3,000 feet of new pipe ranging in size from 12 to 30-inch in diameter.

Prairie Street Water Main Replacement, City of Aurora, IL
As Resident Engineer on this project, Brett provided construction oversight and management. Brett's responsibilities include field inspection and documentation of work and quantities, contractor coordination, preparation and submittal of cost estimates and change orders, and final processing to assist the City. This project consisted of installing 1,900 feet of new 12 inch ductile iron water main along Prairie Street from Lake Street to the West to Railroad ROW. This new water main replaced an existing system that was in poor condition and prone to breaks. Transfer and update of domestic and fire protection water services with additional fire protection added with 6 new fire hydrants and associated appurtenances.



Mark Pentz

PROJECT ENGINEER

About Mark

Mark Pentz joined WBK in the spring of 2017 as a Project Engineer, working with the Municipal Group and supporting construction, design and review tasks.

Mark recently graduated from the University of Illinois at Chicago with a Civil Engineering Degree and has worked as a Civil Engineer intern for several semesters with Lochner in Lisle and a summer with the City of DeKalb. Mark also served in the United States Army, where he assisted in the planning and execution of numerous bridge construction missions.

Education

B.S., Civil Engineering,
University of Illinois at Chicago

Illinois Department of Transportation Training

IDOT Documentation of Contract Quantites, 2015

Related Project Experience

Springs of Canterfield, West Dundee, IL 2017

Served as full-time Resident Engineer on behalf of the Village of West Dundee. The 25 acre land development project included construction observation and oversight of water main, storm sewer and sanitary sewer installation, construction of the new roadways, and improvements made to Illinois Route 31 to provide entry to the development. Also included were soil erosion and sediment control inspections to ensure IEPA compliance.

Casey's Gas Station, DeKalb,IL 2017

Served as full-time Resident Engineer on behalf of the Village of West Dundee. The 25 acre land development project included construction observation and oversight of water main, storm sewer and sanitary sewer installation, construction of the new roadways, and improvements made to Illinois Route 31 to provide entry to the development. Also included were soil erosion and sediment control inspections to ensure IEPA compliance.

Previous Project Experience

Exchange Street {C.H. 49} Realignment and Roadway Construction {/DOT Contract No. 63672) 2013

The work consisted of assisting the Resident Engineer in full time construction inspection of the realignment of Exchange Street from Crete Road to South County Lane, to include the reconstruction of the Crete Road and Exchange Street intersection. The work included documentation of daily activities and material quantities of various pay items including but not limited to the installation of water main and storm sewer, installation of cast in place box culverts, pavement removal and full depth HMA pavement installation.

Mannheim Road South (Irving Park Road to 1-190} Reconstruction (/DOT Contract No. 60G37} 2014

Provided assistance to the Resident Engineer in a full time construction oversight and inspection role in the Mannheim Road reconstruction. The work consisted of the reconstruction and widening of Mannheim Road to include the modernization and interconnection of two signalized intersections, construction of the Balmoral Underpass, and the installation of lighting and mainline storm sewer.

County Highway 10 (Moin St.) at Nelson Lake Road Intersection Improvement (/DOT Contract No. 63891) 2014

Served as the Assistant Resident Engineer providing full time coordination and construction oversight of daily activities for County Highway 10 and Nelson Lake Road intersection improvements. Construction consisted of the widening and resurfacing Country Highway 10, complete reconstruction of Nelson Lake road, and the installation of storm sewer and replacement of under road pipe culverts.

Route 59 Metro Commuter Parking Lot Improvements Meridian Lake Drive to Route 59 (/DOT Contract No. 61833} 2015

Provided full time construction oversight services and assistance to the Resident Engineer in tracking contractor daily activities and material quantities for the project. Construction involved the installation of a new traffic signal and intersection improvements, Installation of LED parking lot lighting, Double row of 12'x6' precast box culvert, full depth HMA paving and the maintenance of traffic control.

WBK engineering

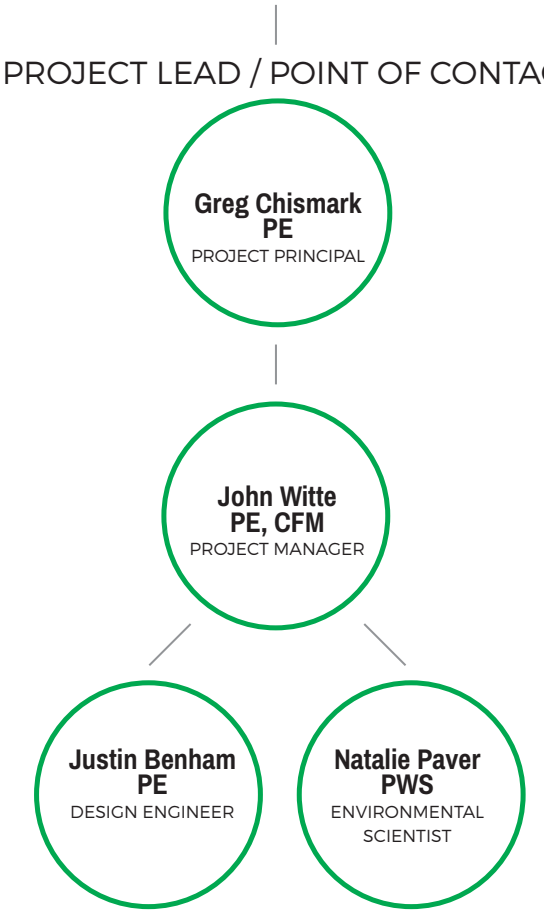
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STORMWATER ENGINEERING

BENSENVILLE
GATEWAY TO OPPORTUNITY



STORMWATER ENGINEERING

Name/Registration/Title	Years of Experience/ @ Firm	IDOT/Municipal Project Experience
Greg Chismark, PE, Municipal Services Practice Principal	32 / 10	Current stormwater development review engineer for St. Charles, Geneva, DeKalb, Kendall County, West Dundee and South Elgin. Municipal drainage project experience in Kane County.
John Witte, PE, CFM, Water Resources Practice Lead	20 / 14	Served as project engineer and project lead on drainage engineering related to roadway development, site development, and bridge replacement throughout NE Illinois including DuPage County. Experience includes preparing IDOT Location Drainage Studies, Hydraulic Reports, Municipal Stormwater Permit submittals, drainage design, LOMR and CLOMR's, and State IDNR Floodway permits. Previous experience also includes reviewing engineering plans for conformance with Stormwater Ordinances for the City of St Charles, The City of Geneva, and Kane County.
Justin Benham, PE, Design Engineer	6 / 3	Project engineer for stormwater design projects including site development, roadway drainage, bridge/culvert replacement, and stream stabilization/restoration. Experience includes preparation of IDOT Location Drainage Studies and Hydraulic Reports, and utilization of HEC-HMS and HEC-RAS modeling software. Also serve as stormwater development review engineer for various municipalities. Project experience primarily located within DuPage and Kane Counties.
Natalie Paver, PWS, Senior Environmental Scientist	11 / 11	IDOT experience includes Phase 1 wetland assessments, Wetland Impact Evaluations (WIE), and Environmental Survey Request (ESR) Preparation. Phase 2 experiences includes wetland permitting through US Army Corps of Engineers, Soil and Water Conservation Districts, and local county stormwater ordinances including DuPage County. Permitting includes addressing wetland and buffer impacts, mitigation requirments, and preparing mitigation plans and maintenance and monitoring plans. Municipal experience includes reviewing plans and permit submittals for conformance with stormwater ordinances, specifically in regards to wetland, buffer, landscaping, and maintenance.



Greg Chismark, P.E.

MUNICIPAL SERVICES PRACTICE PRINCIPAL / PROJECT LEAD

About Greg

Greg Chismark has over 32 years of infrastructure and civil engineering project management experience. He is intimately familiar with the City of St. Charles serving as City Engineer for 15 years. Design and project management skills include projects related to streambank stabilization, stormwater management, utilities, transportation, regulation development, and subdivision and site development plan review, and construction management oversight. Greg has a proven ability to communicate with citizens, elected officials, government staff, engineers, architects and construction contractors resolving concerns and finding solutions.

Education

B.S., Civil Engineering,
University of Illinois

Professional Registrations & Certifications

P.E., Illinois 062-044133
P.E., Wisconsin 42678-6
P.E., Michigan 6201064156

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Related Project Experience

Review Engineer - Various Municipalities, IL

Lead review engineer assisting municipal staff with development review services. Reviews plans for conformance with local subdivision, floodplain and stormwater management ordinances. Coordinates with City / Village staff as well as the development consultants and applicants. Communities include:

City of Elgin	Village of Forest Park
City of St. Charles	Kendall County
City of Geneva	Wasco Sanitary District
City of Batavia	City of DeKalb
Village of West Dundee	Village of South Elgin

Kane County Drainage Studies and Improvements, Kane County, IL

Project Manager working with Department of Water Resources staff to provide varying levels of support and engineering design. Involvement includes survey, construction plan preparation, construction observation, drainage studies and calculation and public meeting participation. Projects include the following from 2008 to present day:

Wildwood Estates
Kaneland Estates
West Highland Subdivision
Plank Road Estates
Five Island Subdivision
Prairie Lakes

Kendall County NPDES Consultation and Compliance, Kendall County, IL

Principal author of the first countywide stormwater plan and ordinance for Kendall County. Coordinated and facilitated a technical advisory committee as well as a political planning committee to adopt a consistent set of stormwater management regulation throughout the County. Since 2008, provided professional engineering support to County staff related to stormwater related issues including land development plan review, construction inspection, FEMA coordination, resolution of local drainage concerns and floodplain / regulatory violations on a regular basis.

Neighborhood Drainage Studies, South Elgin, IL

Project Manager on this project that involved assisting with evaluation of several neighborhood drainage issues throughout the Village. The Village was seeking professional engineering services to find technical solutions, assess landowner impacts, determine funding opportunities and facilitate Village Board decision making. WBK investigated causes of flooding and potential means of reducing flooding, provided storm sewer evaluation and recommendations for drainage improvements including budget projections. WBK also evaluated existing conditions and determined tributary areas for seven storm sewer outfalls. A series of treatment options were developed to mitigate erosion and allow the homeowners to determine the appropriate solution for their property. We also determined solutions to reduce the duration of innundation in the isolated depression. Additionally, WBK performed:

- Survey, Data Collection and Documentation
- Tributary Area and Design Flows Determination
- Storm Sewer and Open Channel Analysis
- Summary Report & Cost Estimating



John Witte, P.E., CFM

WATER RESOURCES PRACTICE LEAD / PROJECT MANAGER

About John

John Witte has over 20 years of experience in the field of civil engineering. He is responsible for managing engineers and technicians in providing civil engineering plan sets for projects in civil site residential and commercial development, floodplain and floodway studies, and roadway drainage. John has a wide range of drainage experience, including the completion of hydraulic reports, drainage investigations, and location drainage studies for IDOT, as well as finalizing city and municipal stormwater permits for developments, and completing floodplain and floodway letters of map revision.

Education

M.S., Civil and Environmental Engineering, Marquette University
B.S., Fisheries and Wildlife Biology, Iowa State University

Professional Registrations & Certifications

P.E., Illinois #062-058599
P.E., Wisconsin #37481-006
P.E., Michigan #6201064027
P.E., Indiana #11700464
CFM, Illinois #06-00233

WBK engineering

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Related Project Experience

Collins Road Extension, Phase I Engineering, Kendall County, IL
Lead Drainage Engineer on this Phase I project for the extension of Collins Road to provide a new east-west corridor in Kendall County. John is responsible for a Location Drainage Study and Hydraulic Report for the proposed 2.3 mile extension as well as conducting a hydraulic stream survey and Hydraulic Report of Morgan Creek. The project also requires an IDNR-OWR Floodway Construction Permit.

IL Route 38 at County Farm Intersection Improvement (D-91-177-13), Illinois Department of Transportation District 1, PTB 167/014
As Drainage Engineer on this project, John prepared hydraulic reports and permitting. Drainage Engineer for this project providing hydraulic reports and permitting as part of Phase II engineering services for preparation of contract plans, specifications and cost estimates including structures and highway plans for reconstruction of IL 38 at the intersection of County Farm Road and Shaffner Road, in the Village of Winfield. The IL 38 profile is expected to be modified and the two existing structures carrying IL 38 and Shaffner Road, respectively, over Winfield Creek are anticipated to be replaced by a single double cell box culvert.

Kautz Road /Route 38 Intersection Extension, Geneva, IL
Drainage Engineer for this Phase 1 study to evaluate the planning, design, and construction of the missing fourth leg on this IDOT newly constructed 3-legged intersection at Kautz Road and Route 38. The newly constructed 3-legged intersection includes a substantial grade separation with the Union Pacific railroad running under the intersection. John was responsible for preparing a drainage investigation to determine the existing conditions, drainage patterns and conceptual design of proposed drainage system. This task included analysis of existing drainage patterns, documentation of floodplain, and restriction on the site with regards to drainage related to the site which acts as a drainage divide between the Fox River and Kress Creek. Extending Kautz Road will have impacts on the existing flow pattern and will need to be considered in the conveyance of storm events.

Bunker Road Extension - Keslinger Road to LaFox Road, Kane County, IL
Drainage Design Manager on this project, providing preliminary and final design engineering services related to the one mile extension of Bunker Road from its current limit at the LaFox Metra Station to LaFox Road, north of the LaFox Village District Center. Drainage design included preparation of a hydraulic report for a double cell box culvert, and location drainage study for the roadway improvements. Design also included design of four detention ponds, multiple cross road culverts, and proposed storm sewer. The design also included floodplain fill and compensatory storage analysis for work in the floodplain. Permit applications to Illinois Department of Natural Resources, Office of Water Resources, and Kane County Stormwater were prepared and obtained.

Entrance Road Bridge Replacement & Trail Improvements at McDowell Grove Forest Preserve, Phase I, II & III, DuPage County, IL
Managed engineers and provided quality assurance for hydraulic modeling of existing and proposed bridge crossing for permitting. Provided oversight on preparation of DuPage County Stormwater Management permit and floodway construction requirements. Attended meetings with client and regulatory agencies on hydraulic permitting of proposed bridge structure and design of proposed drainage. John also addressed comments and resubmittal to regulatory agencies.



Justin Benham, P.E.
DESIGN ENGINEER

About Justin
Justin has 6 years of civil engineering experience.He is working with the Municipal Practice Group, supporting various municipal engineering activities, including utility design, site civil design, transportation, roadway design, streambank stabilization, stormwater drainage, and resident engineering on construction projects. Justin earned his Bachelor of Science Degree in Civil Engineering in 2011 from Purdue University, with an emphasis on hydraulics and hydrology.

Education
Bachelor of Science, Civil Engineering, Purdue University, 2011

Professional Registrations & Certifications
Professional Engineer, Illinois 062.068300 - 2015

Professional Affiliations
APWA Suburban Branch

Related Project Experience
Review Engineer, Various Municipalities, IL
Review engineer assisting municipal staff with development review services. Reviews plans for conformance with local subdivision, floodplain and stormwater management ordinances. Coordinates with City / Village staff as well as the development consultants and applicants. Communities include:
City of St. Charles
City of Geneva
Village of West Dundee
Kendall County
Village of South Elgin

DuPage County Stormwater Management Facilities Engineering - DuPage County, IL
As Design Engineer for this multi-location on-call services project, Justin's responsibilities included conducting a technical analysis regarding the replacement of the structural crest gate at the Spring Creek Reservoir in Bloomingdale, as well as the development and preparation of engineering plans to address bank slope erosion issues at the Gary-Kehoe Reservoir in Carol Stream and the Bond Street Detention Pond in Naperville.

East Galena Boulevard & East Downer Place Sewer Separation, City of Aurora, IL
Assistant Resident Engineer for this project and oversaw the installation of storm sewer (up to 60" diameter), sanitary sewer and watermain on Galena Boulevard, IL Route 25 (Broadway Avenue), LaSalle Street and Downer Place in downtown Aurora. Justin helped oversee restoration of the pavement and sidewalk along Galena Boulevard. Other project tasks included documentation of contract quantities and coordination with private residents and businesses regarding their project concerns.

City of Aurora Phase III Services, Charles/Harrison Sewer Separation - Aurora, IL
As Resident Engineer, Justin provided construction oversight and administration on this effort to separate the existing combined sewer system from the roadway drainage system. This project included the installation of over 3,800 linear feet of new RCP storm sewer ranging in size up to 30-inch diameter.

City of Aurora, City Hall LOMA Application - Aurora, IL
As Design Engineer, Justin designed flood-proofing measures for City Hall and coordinated a LOMA application to FEMA with the goal of having the building removed from the Fox River 100-year floodplain and the city's flood insurance premiums lowered.

WBK engineering

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About Natalie

Natalie has 11 years of experience and is responsible for conducting on-site floristic studies, evaluations, and preparing maintenance and monitoring reports; on-site soil investigations and assessments, soil interpretation records and reports and soil maps; preparing wetland delineation reports, functional assessments, mitigation plans, and other environmental compliance/ permitting documents; assisting with stream, wetland and wildlife habitat assessments and delineations; preparing environmental resource assessments; monitoring of sediment and erosion control on project sites; and construction and native landscape observation and management.

Education

B.A., Biology, Monmouth College, May 2003

Professional Registrations & Certifications

PWS, Society of Wetland Scientists, #2275
Qualified Wetland Review Specialist, Kane County #W-068
Certified Wetland Specialist, McHenry County
Certified Wetland Specialist, Lake County #C-138
IDOT Documentation of Contract Quantities #14-0585

WBK engineering

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Natalie Paver, PWS

SENIOR ENVIRONMENTAL SCIENTIST

Related Project Experience

Wetland Review Specialist, Various Municipalities, IL

Lead wetland and landscape reviewer assisting municipal and engineering staff with development review services. Reviews plans for conformance with local stormwater and floodplain ordinances. Coordinates with City or Village staff and development consultants and applicants. Communities include:
City of Elgin
City of St. Charles
City of Batavia
Village of West Dundee
Wasco Sanitary District
City of DeKalb
Village of South Elgin

Soil Erosion and Sediment Control Inspections & Reporting

Carrington Crossing, West Dundee, IL
Enclave Subdivision, Bartlett, IL
Lakewood Springs, Plano, IL
Lakewood Crossing, Hampshire, IL
Lakewood Easton Park, Carol Stream, IL
Lakewood Saddle Ridge, Valley View, IL
Lakewood Prairie, Joliet, IL
Stearns Road Adaptive Management Plan, South Elgin, IL
Stearns Road Direct Impact Mitigation Site, South Elgin, IL
Stearns Road and Bridge Corridor Stages 2-5, South Elgin, IL

Floristic Studies and Evaluations

Responsible for preparing floristic quality inventories and assessments including; plant community mapping, invasive and exotic species management, threatened and endangered species consultations, and annual maintenance and monitoring reporting of various mitigation and restoration sites. Natalie has prepared more than a dozen floristic studies.
North Mill Creek, Lake County, IL
Franklinville Road over Franklinville Creek, McHenry County, IL
Spring Brook No. 1 Waters Mitigation, Warrenville, IL
St. Josephs Creek Stabilization, Westmont, IL
Braeburn Marsh Ecosystem Restoration, Batavia, IL
Spring Brook Tributary No. 2 Remeander, Naperville, IL
Stearns Road- Direct Impact Mitigation Site, South Elgin, IL
Stearns Road – Adaptive Management Sites, South Elgin, IL
Lakewood Crossing, Hampshire, IL
Lakewood Prairie, Joliet, IL
Lakewood Saddle Ridge, Valley View , IL
Lakewood Easton Park, Carol Stream, IL
Big Timber over Tyler Creek Road, Elgin, IL
Blackberry Creek, Elburn, IL
Fox Creek, LaFox, IL
Brewster Creek, South Elgin, IL
Buffalo Creek Streambank Stabilization, Wheeling, IL

Hunter Road Bridge Phase I, McHenry County, IL

Natalie was the environmental scientist on this project, leading the field data collection including soil samples, vegetation assessment and wetland delineation. Natalie prepared the wetland assessement report for the Phase I process and coordinated with various permitting agencies.

REFERENCES

Mary Pye, P.E.
Director of Community Development
Elk Grove Village
901 Wellington Avenue
Elk Grove, IL 60007
847.357.4222

James Beverly
Engineering Inspector
City of Elgin
1900 Holmes Road
Elgin, IL 60123
847.931.6098

Jason Bauer
Utility Construction Coordinator
City of Aurora
44 E. Downer Place
Aurora, IL 60507
630.264.4636

Jennifer O'Connell
Senior Project Manager
Kane County Division of Transportation
41W011 Burlington Road
St. Charles, IL 60174
630.584.1170

William Cleveland, P.E.
Assistant Village Engineer
Village of Carol Stream
500 N. Gary Avenue
Carol Stream, IL 60188
(630) 868-2260

WBK engineering

"Thank you for your quick action. We can always count on you."

Marilin Solomon
IDOT Bureau of Local Roads

KANE COUNTY
DIVISION of TRANSPORTATION

Carl Schoedel, P.E.
Director of Transportation
County Engineer

41W011 Burlington Road
St. Charles, IL 60175
Phone: (630) 584-1170
Fax: (630) 584-5265

June 3, 2013

Ms. Heidi H. Miller
Land Use Director, Grundy County
1320 Union Street
Morris, Illinois 60450

Re: Letter of Recommendation – Wills Burke Kelsey Associates, Ltd.

Dear Ms. Miller:

With great pleasure, I offer this letter of recommendation for Wills Burke Kelsey Associates, Ltd. (WBK) for consideration for the Grundy County Regional Stormwater Drainage Study. Kane County, and specifically the Division of Transportation, has a long and good working relationship with WBK. This relationship spans the entire history of the company, and even predates it, with prior interactions with the principals of the firm.

WBK has provided both general stormwater assistance and floodplain related efforts to the DOT on many projects. The company is currently designing and has completed many bridge replacement projects which have required extensive floodplain modeling, mapping, and design of final improvements. WBK has also provided on-call stormwater assistance services, helping our division with numerous issues.

While WBK's technical abilities are substantial, their responsiveness and their attention to our specific needs as an individual client should be noted as well. Their capacity to understand the needs of a project and create a common sense, practical solution helps us to provide the best solution to our customers, the motoring public.

Kane County highly recommends Wills Burke Kelsey Associates, Ltd. for the proposed work in Grundy County. Please feel free to contact me with any comments or questions.

Sincerely,

Michael Zakosek, P.E.
Senior Project Manager

Sara-

Hope all is well... just wanted to drop a note to tell you that you have an awesome crew! Scott, Vince & especially Andy Hoglund who was here everyday monitoring the parking lot w/ our best interests in mind. He was awesome & thought you should know!

Jim Reuter
849 W. Lies Road • Carol Stream, IL 60188

Section 3

STATEMENT OF QUALIFICATIONS FORM

STATEMENT OF QUALIFICATIONS FORM

(Complete one form per short list)

This Statement of Qualifications submittal is for (if submitting for one category please check the appropriate box; if submitting for multiple categories, please list the rank for each of the categories from 1 to 4):

- [1] Design Engineering
- [ ] Wastewater Improvements
- [3] Stormwater Engineering
- [2] Resident Engineering

Statement of Qualifications: Provide the ENGINEER'S qualifications as outlined in the instructions.

SUBMITTAL CERTIFICATION

The Statement of Qualifications Form must be signed by an authorized agent. If the ENGINEER is a corporation, the corporate seal must be affixed.

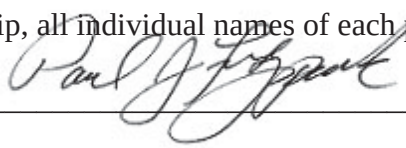
For proposals and contracts resulting from the utilization of short-lists developed from this portion of the selection process, the successful ENGINEER will be required to agree to and sign the VILLAGE contract and appendices (sexual harassment policy, tax liability, and CDL testing.) They are provided for the ENGINEER'S information in Appendices 1 & 2.

My signature certifies that the Statement of Qualifications as submitted complies with all terms and conditions as set forth in the Request for Qualifications for Short-List for Engineering Services, and is a true and factual statement of the qualifications of this firm.

STATEMENT OF QUALIFICATIONS FORM (CONTINUED)

I/We hereby certify that I/We am/are authorized to sign as an agent(s) of the firm:

If an individual or partnership, all individual names of each partner shall be signed:

By.....: 

Print Name .....: P.J. Fitzpatrick, PE

Position/Title.....: Transportation Practice Principal

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: WBK Engineering, LLC

Address line 1 .....: 116 West Main Street

Address line 2 .....: Suite 201

Telephone.....: 630.443.7755

If a corporation, an officer duly authorized should sign and attach corporate seal

PLACE CORPORATE SEAL HERE

By.....: _____

Print Name .....: _____

Position/Title.....: _____

Company Name ...: _____

Address line 1 .....: _____

Address line 2 .....: _____

Telephone.....: _____