BAXTER & WOODMAN Consulting Engineers

Proposal

January 7, 2025

Mr. Brian Fei
Public Works Director
Village of Orland Park
15655 S. Ravinia Avenue
Orland Park, IL 60462

Subject: Village of Orland Park – 2025 Annual Neighborhood Road Improvement Program – Phase III Engineering

Dear Mr. Fei:

Baxter & Woodman, Inc. is pleased to submit this Proposal to provide Construction Services for the 2025 Annual Neighborhood Road Improvement Program.

Project Summary

Baxter & Woodman, Inc. will be responsible for providing Construction Engineering Services for the entire duration of the 2025 Annual Neighborhood Road Improvement Program, which includes work at the following locations: Brook Hills 2, Catalina West, Kingswood Drive & Green Valley Drive, Oak Meadows, Sedgewick, Streamstown-Meadowview, and Wedgewood Commons.

Improvements include hot-mix asphalt surface removal; driveway approach pavement removal and patching; isolated curb and gutter removal and replacement, concrete sidewalk removal and replacement; concrete slab raising; preparation of exposed aggregate base course; placement of hot-mix asphalt binder and surface course; adjustment and/or repair of drainage structures; parkway restoration; and other incidental and miscellaneous items of work on various roadways within the Village.

Proposed Staff

Our familiar team will consist of Project Manager, Matt Abbeduto, PE; Resident Engineer, Peter Anderson, PE; and Assistant Resident Engineer, Ben Ravetto. Matt Abbeduto brings over 22 years of experience in public infrastructure construction and has managed several of the Village's annual neighborhood improvement programs and various other projects since 2017. Peter Anderson has over 11 years of experience in public infrastructure projects and he possesses construction management and public relation skills that will meet the Village's needs for the Neighborhood Road Improvement Program. Ben Ravetto is also familiar with Village and their preferences based on his experience with the Silver Lakes Phase 2 and Laguna Woods projects over the past two years. Ben has proven his abilities working on behalf

of Village staff to resolve contractor issues and resident concerns. Enclosed are resumes for our proposed staff.

Construction Scope of Services

1. Act as the Village's representative with duties, responsibilities, and limitations of authority as assigned in the construction contract documents.

2. PROJECT INITIATION
   - A. Attend and prepare minutes for the preconstruction conference and review the Contractor's proposed construction schedule and list of subcontractors.
   - B. Assist the Village with preparing a project emergency communication plan for distribution to various Village staff and stakeholders.
   - C. Review the plans and specifications in depth, verifying quantities, elevations, and dimensions relevant to the project. Also, anticipate any potential conflicts or issues and develop solutions prior to construction.
   - D. Perform construction layout as allowed by Village for preferred areas in anticipation of work starting.
   - E. Perform a pre-construction video recording for all existing conditions within the project limits and provide the Village with a digital copy prior to the contactor mobilizing.

3. CONSTRUCTION ADMINISTRATION
   - A. Attend bi-weekly construction progress meetings and prepare meeting minutes.
   - B. Shop drawing and submittal review by Engineer shall apply only to the items in the submissions and only for the purpose of assessing, if upon installation or incorporation in the Project, they are generally consistent with the construction documents. Village agrees that the contractor is solely responsible for the submissions (regardless of the format in which provided, i.e., hard copy or electronic transmission) and for compliance with the contract documents. The Village further agrees that the Engineer's review and action in relation to these submissions shall not constitute the provision of means, methods, techniques, sequencing, or procedures of construction or extend to safety programs of precautions. Engineer's consideration of a component does not constitute acceptance of the assembled item.
   - C. Prepare construction contract change orders and work directives when authorized by the Village.
   - D. Review the Contractor's requests for payments as construction work progresses and advise the Village of amounts due and payable to the Contractor in accordance with the terms of the construction contract documents.
   - E. Research and prepare written response by Engineer to request for information from the Village and Contractor.

F. Project manager or other office staff visit site as needed.

G. Coordinate the services of a materials testing company to perform proportioning and testing of the Portland cement concrete and bituminous mixtures in accordance with the IDOT's Bureau of Materials manuals of instructions for proportioning. Review laboratory, shop and mill test reports of materials, and equipment furnished by the Contractor. Services of a material testing company shall be furnished by the Village as deemed necessary by the Engineer.

4. FIELD OBSERVATION

A. Engineer's site observation shall be at the times agreed upon with the Village. Engineer will provide a Resident Engineer and a Resident Engineer's Assistant on a full-time basis of forty (40) hours per week from Monday through Friday, not including legal holidays, as deemed necessary by the Engineer, to assist the Contractor with interpretation of the Drawings and Specifications, to observe in general if the Contractor's work is in conformity with the Final Design Documents, and to monitor the Contractor's progress as related to the Construction Contract date of completion. Through standard, reasonable means, Engineer will become generally familiar with observable completed work. If Engineer observes completed work that is inconsistent with the construction documents, that information shall be communicated to the contractor and Village to address. Engineer shall not supervise, direct, control, or have charge or authority over any contractor's work, nor shall the Engineer have authority over or be responsible for the means, methods, techniques, sequences, or procedures of construction selected or used by any contractor, or the safety precautions and programs incident thereto, for security or safety at the site, nor for any failure of any contractor to comply with laws and regulations applicable to such contractor's furnishing and performing of its work. Engineer neither guarantees the performance of any contractor nor assumes responsibility for any contractor's failure to furnish and perform the work in accordance with the contract documents, which contractor is solely responsible for its errors, omissions, and failure to carry out the work. Engineer shall not be responsible for the acts of omissions of any contractor, subcontractor, or supplier, or of any of their agents or employees or any other person, (except Engineer's own agents, employees, and consultants) at the site or otherwise furnishing or performing any work; or for any decision made regarding the contract documents, or any application, interpretation, or clarification, of the contract documents, other than those made by the Engineer.

B. Utilize a web-based GIS Field and Office Mapping system to inventory pay item quantities, project documentation, and residential concerns. An application will to be built on an Esri ArcGIS Online (AGOL) platform with the ability to be collaborated with the Village AGOL Organization. The GIS data will be shareable with Village staff and any outside contractors that need to view the pay item details, project status and residential concern resolution with the ability to export the data to various formats through the application.

C. Perform ADA sidewalk ramp evaluations and share compliance assessment data with the Village for all new sidewalk ramps constructed as part of the 2025 road program. The data will be collected and shared utilizing GIS which can be imported into the Village's GIS system.

D. Construction layout throughout the duration of the project based on the Village's preferred sequence of schedule of work.

E. Keep a daily record of the Contractor's work on those days that the Engineers are at the construction site including notations on the nature and cost of any extra work, and provide daily reports to the Village of the construction progress and working days charged against the Contr349,7009actor's time for completion.

F. Collection of as-built field data using GIS data collection equipment within the project locations.

G. Perform and document an ongoing punch list and share with the contractor to facilitate project closeout.

5. PROJECT CLOSEOUT

A. Provide construction-related engineering services including, but not limited to, General Construction Administration and Resident Engineer Services.

B. Verify all contractor required documentation has been received, punch list has been verified, and confirm Village acceptance prior to final payment to the contractor.

C. Provide the Village with GIS data collected, processed, and developed as part of the Field Observation tasks.

Fee

Our engineering fee for the above stated scope of services will be based on our hourly billing rates for actual work time performed plus reimbursement of out-of-pocket expenses including travel, which in total will not exceed **$290,900.00.** Attached please find our 2025 budget.

This proposal is valid for 90 days from the date issued.

Schedule

The Village anticipates awarding the Construction Contract in January 2025. The Project is anticipated to begin in April 2025 with an expected completion date of September 1, 2025.

Standard Terms and Conditions

All terms and conditions of the Master Agreement dated October 1, 2020, with the Village of Orland Park shall apply.

Acceptance

If you find this proposal acceptable, please sign and return one copy for our files. If you have any questions or need additional information, please do not hesitate to contact Matt Abbeduto at 815-444-3352 or mabbeduto@baxterwoodman.com.

Sincerely,

BAXTER & WOODMAN, INC.
CONSULTING ENGINEERS

Dennis Dabros, PE
Vice President

Village of Orland Park

ACCEPTED BY: _____

TITLE: _____

DATE: _____

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VILLAGE OF ORLAND PARK, ILLINOIS

2025 ANNUAL NEIGHBORHOOD ROAD IMPROVEMENT PROGRAM, PHASE III ENGINEERING

Plan Number: 2402060.00

Level	Emp	Planned Hrs	Planned Labor Bill	Compensation Fee	Consultant Fee	Reimb Allowance	Total Compensation
Overall Project Total		**1,926.00**	**283,770.00**	**283,770.00**	**0.00**	**7,130.00**	**290,900.00**
CS100 Project Initiation		24.00	4,416.00	4,416.00	0.00	50.00	4,466.00
	Engineer VII	8.00	2,016.00				
	Engineer IV	8.00	1,400.00				
	Engineer II	8.00	1,000.00				
CS105 Construction Administation		56.00	13,256.00	13,256.00	0.00	180.00	13,436.00
	Engineer VII	48.00	12,096.00				
	Spacial Technology Professional	8.00	1,160.00				
CS110 Field Observation		1,798.00	258,750.00	258,750.00	0.00	6,800.00	265,550.00
	Engineer IV	800.00	140,000.00				
	Engineer II	950.00	118,750.00				
CS140 Project Closeout		48.00	7,348.00	7,348.00	0.00	100.00	7,448.00
	Engineer VII	4.00	1,008.00				
	Engineer IV	12.00	2,100.00				
	Engineer II	20.00	2,500.00				
	Spacial Technology Professional	12.00	1,740.00				

Average Hourly Rate (Not Including Reimbursable Allowance): $283770/1,926 hr. = $147.33/hr.

Matthew S. Abbeduto, PE
Construction Manager

EDUCATION
B.S., Civil Engineering, University of Illinois at Urbana-Champaign, 2002

Joined Firm in 2017

Years of Experience: 23

REGISTRATIONS
Licensed Professional Engineer: Illinois

CERTIFICATIONS
IDOT Documentation of Contract Quantities #23-20694

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

IDOT QC/QA Nuclear Density Testing

IDOT S-33 Soils

Liability IQ for Architects and Engineers

Matt's project management and resident engineering experience spans federal- and municipal-funded urban/rural roadway and bridge construction/rehabilitation projects. He is experienced in the installation of traffic signals, street lighting, and in site development. Matt is knowledgeable of Illinois Department of Transportation policies and procedures for construction inspection, material inspection, contract administration, and project documentation. He is adept at coordinating with contractors, utility companies, construction/project managers, engineers, and owners to resolve project conflicts, minimize delays, maximize cost savings, and facilitate project completion. With a thorough understanding of the importance of communication, Matt strives to keep clients and stakeholders updated on construction status and correspondence.

REPRESENTATIVE PROJECTS

ROADWAY

Plainfield, IL
143rd Street West Extension
Construction Manager for the 143rd Street West Extension Improvements between Ridge Rd. and Steiner Rd. The West Extension segment of 143rd St. contributes to the master plan to extend 143rd Street from Ridge Road to I-55. This is one phase of the ultimate plan to provide a parallel corridor to IL Route 126 to relieve downtown congestion on IL Route 126. This project included engineering and environmental studies, alternative alignment analysis, ROW acquisition, drainage detention, USACE permitting, and water main installation.

Aurora, IL*
Eola Road Improvements
Resident Engineer for the federal funded reconstruction of Eola Road between 83rd Street (Montgomery Road) and 87th Street (Keating Avenue). The $10.3 million project consisted of a total length of 1.23 miles and involved roadway reconstruction and widening. Eola Road existed as a rural two lane roadway and improved to a five lane urban roadway. Other improvements included new combination concrete curb and gutter, traffic signal modernization, traffic signal interconnect, storm sewer, precast and cast-in-place box culvert elements, noise reduction fences, decorative retaining walls, shared use paths, sidewalk, landscape restoration, and complex traffic staging.

Matt represented the City and project as the lead Resident Engineer. Matt was responsible for ensuring that construction was performed according to plans, specifications, and schedule. He reviewed submittals, addressed RFIs and plan revisions, and maintained a detailed project filing system. Matt conducted bi-weekly progress meetings with the client and contractor, and prepared meeting minutes. His responsibilities also included construction observation, maintaining daily diary entries, field measurements and quantity tracking, traffic control inspection, erosion control inspection, and surveying duties. Matt followed the requirements of IDOT's Documentation of Contract Quantities guidelines, evidence of material inspection

Erosion and Sediment Control – Modules I & III

CONTINUING EDUCATION

Doug Cartland, Inc.
"Creating Excellence in Communication and Customer Relations" training

Doug Cartland, Inc.
"Problem/Communication Resolution" training

per the IDOT Procedure Procedures Guide and use of ICORS State project tracking software.

The project involved communication with many property owners that reside along the project corridor. The improvements included impacts to existing fences, sheds, swimming pools, and other various structures within existing easements. Matt was proactive and provided the proper means of communication and coordination with property owners and the City regarding those items to ensure property owner satisfaction.

Although the majority of the utility relocation work was completed upon IDOT execution of the Eola Road construction contract, there was outstanding relocation work to be completed that imposed challenges to the project's schedule. Matt was aggressive in communicating with ComEd, Nicor, AT&T Local and Long Distance, Comcast, and the Fox Metro Water Reclamation District to expedite outstanding relocation work, as well as resolutions of conflicts encountered with previous relocation work performed in error. In addition, coordination with various utility companies was required throughout the duration of construction for adjustments to facilities. Matt coordinated diligently on a daily basis with utility companies to avoid conflicts and delays to the project schedule.

Beecher, IL*
Beecher Road Program
Matt was Resident Engineer for the Village of Beecher's annual MFT road resurfacing program. The project included complete construction project administration with associated documentation following IDOT policies and procedures for improvements such as asphalt pavement patching, milling, resurfacing, pavement marking, drainage, and restoration improvements.

Matt's duties included the observation of construction and completion of IDOT associated documentation of progress, and quality of the contractor's work. Matt tracked project quantities, performed material inspection, produced daily field reports, and authorized payment to the contractor. Matt was also involved with coordinating with the contractors, Village staff, and residents to resolve project related conflicts.

Hinsdale, IL*
Woodlands Phase I
The project included sustainable concepts throughout the neighborhood to provide the desired level of protection from surface water runoff over conventional conveyance systems. As a means to cleanse storm water runoff pollution from the street, the project included rain gardens and bio-swales throughout the neighborhood. Underground storage facilities were also provided to manage storm water. The project included a new water main, rehabilitated sanitary sewers (CIPP lined), and reconstructed subdivision roadways with low-profile curb and gutter with minimal inlets.

Matt was the Resident Engineer and provided utility coordination services, construction observation, verification of approved materials, documentation of contract quantities, and pay request recommendations. Communication with local residents and Village officials was necessary to effectively complete the project.

Homer Township Highway Department, IL*
Homer Highway Road Program
Resident Engineer for the Homer Township Highway Department's annual MFT road resurfacing program. Included was complete construction project administration with associated documentation following IDOT policies and procedures for improvements such as asphalt pavement patching, milling, resurfacing, pavement marking, drainage, and restoration improvements.

Matt's duties included the observation of construction and completion of IDOT associated documentation of progress and quality of the contractor's work. Matt tracked project quantities, performed material inspection, produced daily field reports, and authorized payment to the contractor. Matt was also involved with coordinating with the contractors, Village staff, and residents to resolve project-related conflicts.

La Grange, IL
Brainard Avenue Roadway Improvements
Construction Project Manager for the federally funded Phase III construction engineering services for the resurfacing and infrastructure improvements along Brainard Avenue between 47th Street and Ogden Avenue in 2024. The project included sanitary sewer manhole replacements, sanitary sewer point repairs, cured-in-place pipe liner for the combined sewer system within the project limits, curb and gutter and sidewalk replacement, pavement patching, and HMA milling and resurfacing. The project location was within a high-profile area with several schools and businesses along the project limits which involved proactive and diligent coordination and communication efforts as well as meeting deadlines and working hour restrictions in order to avoid conflicts with school-related traffic.

Mokena, IL*
Wolf Road at US 30
The project consisted of the addition of segmental block retaining walls, PCC pavement widening, HMA shoulders, and guardrail to accommodate lane configurations approaching the US 30 intersection. The segmental block retaining wall with geo-grid stabilization was placed on a concrete relief platform supported by H-Pile to support the embankment required for the widened roadway. Other improvements were earthwork, storm sewer, roadway patching, pavement markings, and landscape restoration.

Matt observed construction for conformance with project documents, performed material inspection, tracked contract quantities, prepared daily observation reports, and reviewed contractor pay requests. He corresponded frequently with third-party geotechnical engineers during construction of the retaining wall foundation and embankment process. As Resident Engineer, Matt provided for the construction of retaining walls including relief platforms with H-Pile foundations, earthwork, storm sewer, curb and gutter, concrete roadway patching and widening, asphalt shoulders, guardrail, pavement marking, and restoration improvements. Matt performed construction observation, material inspection, and documentation of contract quantities, pay request recommendations, and prepared daily reports for the client.

Orland Park, IL
2017–2021 Road Improvement Program

Construction Project Manager for the 2017 through 2021 Road Improvement Programs, which included work throughout various areas within the Village. Improvements included hot mix asphalt surface removal, pavement removal and patching, spot curb and gutter removal and replacement, sidewalk removal and replacement, preparation of aggregate base, hot mix asphalt binder and surface course, adjustment of drainage structures, sidewalk slab raising, shotcrete curb and gutter repairs, and parkway restoration on various roadways within the Village.

Orland Park , IL
2017–2018 Fernway Subdivision Improvements
Construction Project Manager for the 2017 and 2018 Fernway Subdivision Improvements. The Fernway subdivision required multi-phase, multi-year roadway and ditch grading improvements to correct the poor drainage throughout the subdivision and to enhance the roadway cross section. The improvements included excavation, grading and shaping ditches; pavement removal; subgrade repair; preparation of base; new ribbon curb; sidewalk approach ramp replacement for ADA compliance; hot mix asphalt binder and surface course; new concrete driveway culverts; driveway apron pavement replacement; and parkway restoration with sod. Diligent attention and coordination with residents regarding staging and access was key for a successful project.

Orland Park, IL
151st Street Reconstruction
Construction Project Manager for the federally funded Phase III construction engineering services for widening, reconstruction, and infrastructure improvements along 151st Street from West Avenue to Ravinia Avenue. Additionally, the project included construction of a new roundabout located at the intersection of 151st Street and West Avenue. The project consisted of various conflict resolutions related to utility coordination and re-sequencing of project schedule, management of traffic control, and Non-Special Waste management.

Orland Park, IL*
94th and 151st Street
The project consisted of traffic signal and interconnection improvements to 94th Avenue from Sunrise Lane to 151st Street, and 151st Street from 94th Avenue to Orland Book Drive. Length of project was approximately 7,215-feet. Specifically, a traffic signal was added to 94th Avenue at Wheeler Drive and system interconnection of seven sets of signalized intersections along 94th Avenue and 151st Street utilized wireless interconnection technology. The project funding consisted of Local and STP funding and was let through IDOT.

Matt provided resident engineering services and was responsible for project oversight, and documentation according to IDOT requirements; payment recommendations; change orders; final inspection; and project close out. During the initial phase of the construction, a conflict was discovered with an existing natural gas pipeline and errors in the proposed electrical service plan. Matt coordinated the efforts in revising the electrical service, mast arm locations and lengths, and was instrumental in facilitating the contract changes and expediting the work, minimizing necessary contract additions, all while keeping the project on schedule.

Orland Park, IL*
US 45 at 156th Street

The project consisted of a new arterial connection between LaGrange Road (US 45) and Ravinia Avenue, extending 156th Street westerly from the previously existing three-legged signalized intersection. Additional project amenities include a new 8-foot bike path on the south side of 156th Street that transitions to a 5-foot PCC sidewalk within the Village right-of-way; LED Street lights; an 8-inch diameter water main extension for the length of the project; an enclosed storm sewer system; and a bioswale/sedimentation basin included as part of the wetland impact mitigation. The project also included traffic signal design installation for the intersection improvements at LaGrange Road and 156th Street.

Matt was the Resident Engineer and was responsible for overseeing construction for compliance with plans and specification, project documentation, utility coordination, and IDOT coordination for improvements related to the ongoing US 45 construction improvements. The project had unique earthwork improvements, which consisted of the removal and replacement with suitable material and disposal of unsuitable materials up to 20-inches in depth to accommodate the new roadway. Matt helped the contractors complete the improvements on schedule and within project budget.

Park Forest, IL
Indianwood Boulevard Resurfacing
Construction Project Manager for the resurfacing of Indianwood Boulevard. The project consisted of HMA resurfacing, curb and gutter removal and replacement, ADA sidewalk ramp installation, storm sewer repairs, sign retro-reflectivity compliance, and traffic signal improvements. The project also required permits from Cook County and coordination with Will County.

Park Forest, IL
US 30 Streetscape Improvements
Construction Project Manager for federal ITEP-funded streetscape enhancements and sidewalk installation along US 30 (Lincoln Highway). Project included installing new sidewalk from Indiana Street to Orchard Drive and grading for future sidewalk from Orchard Drive to the east Village limits; removal of unsightly and overgrown brush along the US 30 corridor and replacement with new trees, plantings, and landscaped areas from Indiana Street to the east Village limits; and removal of deteriorated stockade fence and replacement with a new recycled-material-composite privacy fence along abutting residential properties.

Plainfield, IL
127th Street STP Improvements
Construction Project Manager for improvements to the Federal Aid route. The project consisted of reconstructing 127th Street to provide a three-lane, urban roadway from Heggs Road to 150-feet east of the Northwest Community Park Entrance, a net length of 3,400-feet; culvert replacement carrying 127th Street over the West Norman Drain; 3,400-feet of shared-use path on the south side of 127th Street; and approximately 3,400-feet of roadway lighting on the south side of 127th Street. STP and local funds were utilized for construction. Coordination with IDOT's Bureau of Local Roads and Streets and the Federal Highway Administration was necessary to confirm the project met funding eligibility requirements.

Sauk Village, IL
Winpak Way Resurfacing

Construction Project Manager for the resurfacing of Winpak Way. The project consisted of HMA resurfacing, pavement patching, new sidewalk, curb and gutter removal and replacement, drainage structure adjustments, tree installation, and landscape restoration improvements. Particular attention to drainage improvements within the new curb and gutter were required to correct existing pavement ponding and resulting pavement and curb damage.

ROAD IMPROVEMENT PROGRAM

Plainfield, IL
2021-2022 Road Program
Construction Manager for the Village's annual road resurfacing programs in 2021 and 2022. The Village completes two annual road programs each year that are bid and constructed simultaneously. One program utilized Motor Fuel Tax (MFT) funds while the other is locally funded. Each of the annual resurfacing programs have ranged up to $2.5 million in construction cost. Construction is typically performed at an accelerated pace throughout multiple areas in town, and the projects must meet completion by August prior to school starting.

Orland Park, IL
2017-2021 Road Improvement Program
Construction Manager for the 2017-2021 Road Improvement Programs, which included work throughout various areas within the Village. Improvements included hot mix asphalt surface removal, pavement removal and patching, spot curb and gutter removal and replacement, sidewalk removal and replacement, preparation of aggregate base, hot mix asphalt binder and surface course, adjustment of drainage structures, sidewalk slab raising, shotcrete curb and gutter repairs, and parkway restoration on various roadways within the Village.

South Chicago Heights, IL
2021 MFT Program
Construction Manager for the Village's 2021 MFT-funded improvements along Enterprise Park Avenue and Wentworth Avenue. Improvements consisted of road resurfacing, full-depth pavement replacement and removal, ADA ramp replacement, concrete curb and gutter repair, and parkway restoration.

Olympia Fields, IL
2021 MFT Improvements
Construction Manager for MFT-funded improvements to 1.41-miles of streets within the Village. Improvements included HMA surface removal and resurfacing, pavement patching, structure adjustments, grading and shaping of ditches, removal and replacement of culverts, and other miscellaneous items of work. The project also utilized Rebuild Illinois bond funds.

Mokena, IL
2021-2022 Street Improvements
Construction Manager for Village-funded improvements to various streets within the Village. Improvements consisted of HMA roadway milling and resurfacing, pavement patching, curb and gutter replacement and shotcrete repair, sidewalk replacement, storm sewer, pipe underdrains, structure adjustments, pavement markings, joint sealer, landscape restoration, and other miscellaneous items of work.

La Grange, IL
2018-2020 MFT Road Program
Construction Manager for MFT-funded improvements at various locations throughout the Village. Improvements consist of HMA roadway resurfacing and pavement replacement including HMA and PCC pavement removal, aggregate base preparation and repair, pavement patching, curb and gutter replacement, sidewalk replacement, pavement markings, and other miscellaneous items of work. The 2018-2019 MFT Street Program followed immediately after the Park Road Water Main Replacement Project. Matt also served as QA/QC Review for construction of the Village's 2022 Street Patching Program.

Oak Forest, IL
2020-2022 MFT Street Program
Construction Manager for MFT-funded improvements to various streets within the City. Improvements included hot mix asphalt resurfacing with pavement milling, pavement removal, pavement patching, curb and gutter replacement, sidewalk replacement, utility structure adjustments, pavement markings, parkway restoration, and other miscellaneous items. The 2022 improvements also utilized Rebuild Illinois bond funds.

Channahon, IL
2022 MFT Road Program
Construction Manager for MFT-funded improvements to 2.65 miles of streets within the Village. Improvements included HMA surface removal and resurfacing, full-depth HMA pavement replacement, concrete curb and gutter and sidewalk spot replacement, pavement patching, structure adjustments, storm sewer repair, pavement markings, restoration, and other miscellaneous items of work.

INTERSECTION IMPROVEMENTS

Channahon, IL*
US 6 and McKinley Bell Road
US 6 and McKinley Woods Road
These projects consisted of geometric modifications to accommodate new traffic signals at the intersection of US 6 at Bell Road and US 6 at McKinley Woods Road.

As Resident Engineer, Matt provided construction observation; documentation of contract quantities; material inspection; utility coordination; and pay estimate preparation for work consisting of HMA pavement widening and resurfacing, storm sewer, traffic signals, pavement markings, and associated restoration improvements.

Elwood, IL
St. Louis Street and IL 53 Intersection Improvements
Construction Project Manager for the 0.72-mile-long, federally funded (STU) intersection re-alignment improvements of St. Louis Street at IL 53. The project improvements included tree removal and replacement; excavation and contaminated soil management; ditch grading; curb and gutter; sidewalk including ADA accessible approaches; storm sewer; 6-foot x 4-foot precast box culvert; water main and sanitary sewer adjustments; structure frame adjustments; pavement removal; staged HMA pavement widening and reconstruction; erosion control;

pavement markings; and landscape restoration. Coordination was necessary with the Village of Elwood, IDOT, multiple utility companies and residents.

Mokena, IL*
187th Street and Wolf Road Intersection Improvements
The project involved improvements to the intersection of 187th Street and Wolf Road which included the addition of storm sewer, curb and gutter, concrete and HMA pavement widening for additional turn lanes, HMA resurfacing, permanent traffic signals, street lighting, pavement markings, and landscaping.

Matt was the Resident Engineer and provided construction observation, verification of approved materials, documentation of contract quantities, and pay request recommendation.

MULTI-USE PATHS

Aurora, IL
Montgomery Road Multi-Use Path
Construction Project Manager for the 1-mile-long, multi-segment federally funded (CMAQ) Montgomery Road Shared-Use Path project that connects to existing bike routes and transit services, including the Aurora Transportation Center and IL 59 Train Station. The project improvements included tree removal and protection; excavation; curb and gutter removal and replacement; storm sewer; water main adjustments; structure adjustments; pavement removal; HMA pavement; PCC sidewalk including ADA accessible approaches; bicycle railings; pavement markings; and landscape restoration. Coordination was necessary with the City of Aurora, IDOT, utility companies, businesses, and residents.

BRIDGES

Lockport, IL
Second Street Bridge
Construction Project Manager for federal funded Phase III engineering services for the replacement of Second Street Bridge over the Illinois & Michigan (I&M) Canal, a public waterway. The work consisted of removing the existing structure and replacement with a three-sided box culvert placed on footings keyed into the bedrock. The roadway was skewed so a cast-in-place end section and headwalls were poured to meet the angle. The crossing is along the historic I & M corridor so it was important to retain the character of the area. A limestone block form liner, along with cut stone capstones around the openings, was incorporated into the headwalls. Staining of the concrete was then completed to impart the final coloration of limestone to match the surrounding site.

Lockport, IL
IL 7 Frontage Road Bridge over Des Plaines River (SN 099-0135)
Construction Manager for the rehabilitation of the IL 7 Frontage Road structure, which is an eight-span steel beam girder bridge. A 2014 special feature inspection resulted in a sufficiency rating of 35 and lowering the weight limit to eight tons. The

bridge was in critical condition due to severe deterioration of the beams at Piers 2 and 6. Baxter & Woodman studied the structural deficiencies and provided a recommended strategy for removing the load posting and extending the service life of the structure, including a bridge deck overlay, steel painting, structural steel repairs, and expansion joint replacement.

Aurora, IL*
Indian Trail Bridges over the Fox River
Resident Engineer for the $10 million federal funded project that included the reconstruction and widening of two bridges carrying Indian Trail over the east and west branches of the Fox River, and pavement reconstruction between IL 31 (Lake Street) and IL 25 (Aurora Avenue). The original bridges were built in 1963. The east bridge is 240-feet long with three spans, and the west bridge is 580-feet long with seven spans. The improvements consisted of existing concrete deck removal, beam jacking and bearing replacement, rehabilitation and repainting of the existing steel beams, widening and repairing existing hammerhead and solid piers on spread footings, new fascia beams, and a 70-foot-wide replacement bridge deck with 7-foot-wide sidewalks on both sides of the bridges. Other features included were decorative railings with historic plaques, LED street lighting with decorative poles, improved drainage, guardrail, pavement markings, and landscaping.

Matt represented the City of Aurora and project as the lead Resident Engineer for the $10 million project in 2014 and 2015. He was responsible for ensuring that construction was performed according to plans, specifications, and schedule. He reviewed submittals, addressed RFIs and plan revisions, and maintained a detailed project filing system. Matt conducted bi-weekly progress meetings with the client and contractor, and prepared meeting minutes. He was responsible for maintaining a project website and updating the public with construction activities. His responsibilities also included construction observation, maintaining daily diary entries, field measurements and quantity tracking, traffic control inspection, erosion control inspection, and surveying duties. Matt followed the requirements of IDOT's Documentation of Contract Quantities guidelines, evidence of material inspection per the IDOT Procedure Procedures Guide, and use of ICORS State project tracking software.

Matt assisted the contractor in scheduling around challenges related to utility relocation schedules, in-stream work such as cofferdam construction, erosion and sediment control, spawning restrictions, and mussel relocation within the Fox River. He was heavily involved in coordinating construction sequencing throughout the project with the Illinois Department of Natural Resources, US Army Corps of Engineers, Kane-DuPage Soils and Water Conservation District, ComEd, AT&T, and the Fox Valley Park District.

Detailed examination of the existing concrete substructures, steel plate girders, and wide flange beams was performed to ascertain unforeseen and necessary repairs. Matt played a proactive role that helped the contractor maintain a pace that allowed them to remain on schedule, despite existing and unforeseen obstacles.

PARKING LOTS

Plainfield, IL
PACE Park-n-Ride Facility
Construction Project Manager for a new PACE Park-n-Ride Facility on Van Dyke Road. The new facility includes a parking lot accommodating 400 parking spots, with the potential to build-out 200 more, commuter shelter, and bus turnaround. The intersections at Van Dyke Road and the entrance to the Park-n-Ride Facility were improved with right and left turn channelization along Van Dyke Road at the proposed entrance, traffic signal installation, and sidewalk extension to the proposed entrance. A 12-inch water main was extended from Van Dyke Road and an 8-inch sanitary sewer added along the access road to provide service to the new shelter. Additional improvements included high efficiency LED lighting, security cameras integrated into the Village's existing system, and landscaping. The project required IEPA permitting and coordination with US Army Corps of Engineers, Will County Soil and Water Conservation District, and PACE.

Plainfield, IL
Des Plaines Street Parking Lot
Construction Project Manager for on-street and off-street parking improvements along Des Plaines Street and the installation of an LED directional sign on Lockport Street (IL 126). The improvements consisted of expanding the existing parking lot to provide 30 new stalls for public parking and the potential for even further expansion in the future. Stormwater detention was provided by an underground detention vault draining via infiltration. Roadway lighting, storm sewer, and landscaping were also included. Streetscape elements such as a wide colored concrete sidewalk, electrical receptacles at trees within grates, and other landscaping were installed. A 34-foot mast arm with LED signs on Lockport Street (IL 126) informing eastbound truck traffic to turn left onto Main Street (IL 126) was installed. Coordination with IDOT was required to obtain a permit for working within the State route.

Country Club Hills, IL
175th Street Fire Station Parking Lot
Construction Project Manager for the new 175th Street Fire Station Parking Lot. The project consisted of pavement removal, earth excavation, concrete curb and gutter, aggregate base course, HMA binder surface course, PCC driveway pavement, PCC sidewalk, traffic control and protection, pavement marking, and restoration.

MISCELLANEOUS

Flossmoor, IL*
Water System Improvement Program - 2013 (1A) Construction
The project consisted of replacing over 8,000-lineal feet of existing water main throughout the Village. The project included nearly 30 fire hydrant replacements and over 100 residential water service transfers, with the majority of the work being done by directional boring installation. Flossmoor is a mature community with tree-lined parkways and residential lots. The replacement of the existing mains and service connections presented design and construction challenges with an emphasis on minimizing impacts to residents and adjacent landscape features. There were also challenges associated with access to rear yards for water service transfers and easements where disturbance needed to be avoided.

Matt was the Resident Engineer on the project, and his role was to ensure that construction was performed in accordance with plans and specifications, provide daily progress reports, verify use of approved materials, quantity tracking, and pay request approval. He worked diligently with the Village, contractors, and residents to complete the project with minimal disturbances to existing water system and residential properties.

Lockport, IL
Porter Plaza Drainage Improvements
Construction Project Manager for the storm sewer replacement and upsizing improvements within the Porter Plaza business center. The project consisted of replacing an existing undersized 12-inch storm sewer with a larger (21- to 30-inch) storm sewer, including a new outfall into Milne Creek to alleviate flooding issues resulting from the existing under-sized storm sewer. The scope of work included open trench and directionally-drilled storm sewer, water main and sanitary sewer service adjustments/relocations, pavement patching, pavement milling and resurfacing, pavement markings, and landscaping improvements.

Teng & Associates, Inc.*
Will County ADF
The project consisted of the site renovation for the Will County Adult Detention Facility, a 37 acre site located in downtown Joliet. Engineering services included design of utility extensions, water distribution, storm and sanitary sewer, as well as preparation of easement documentation and permitting. The project also included the design of loading dock expansion, site grading, storm water management facilities, erosion control, and improvements to Marion Street.

Matt performed construction observation services for the project's construction manager. The improvements observed consisted of sanitary sewer, storm sewer, curb and gutter, HMA and PCC parking lot construction, erosion control, pavement marking, and restoration improvements. The project consisted of numerous conflicts with unknown underground utilities, and Matt assisted with quick conflict resolution responses to keep the project on track with the aggressive construction schedule.

New Lenox, IL*
Gougar Road Trunk Sewer
The project consisted of 1.5 miles of new 18-inch, 24-inch, and 30-inch gravity sanitary sewer installation along Gougar Road and within an easement on a private farmland property. The scope of work also included directional boring and steel casting installation underneath Laraway Road. The project encountered challenges with existing soils and limited space due to easement widths.

Matt was Resident Engineer, which included the observation of the sanitary sewer installation, manhole elevation verification, and witnessing and accepting testing of the sanitary sewer upon completion. Project quantities were tracked, pay estimates were reviewed, materials inspection was performed, and field reports were generated daily.

New Lenox, IL*
General Construction Observation
Matt assisted the Village in the construction observation of various residential and commercial development improvements including sanitary sewer, water main, storm

sewer, force main, earthwork, erosion control, curb and gutter, road and parking lot construction, pavement markings, and restoration. Related development access road widening and intersection reconstruction improvements were also observed. Matt witnessed and accepted sanitary sewer air and deflection testing, water main pressure and disinfection testing, and reviewed televising videos for sanitary and storm sewers. Project punch lists were generated and inspection reports were provided to the Village on a daily basis. Some of the projects worked on included but were not limited to the following:

- Calistoga Lakes Site Improvements
- Whitewater Bay Site Improvements
- Lincoln-Way West High School – Water Main Improvements
- Berens Drive at Cherry Hill Rail
- Schoolhouse Road Improvements
- Laraway Road and Cedar Road Intersection Improvements

Utilities experience

Peter Anderson, PE
Construction Project Manager

EDUCATION
B.S., Environmental Engineering, Marquette University, 2015

Joined Firm in 2023

Years of Experience: 12

REGISTRATIONS
Licensed Professional Engineer: Illinois

TRAINING/CERTIFICATION
IDOT BDE Regulated Substances and Special Provisions during Construction Projects 2024 Training Course

IDOT BDE 2022 Regulated Substances Training Course

OSHA-10 Hour

CPR-AED certification

Peter is a seasoned construction infrastructure engineer bringing a wealth of expertise. His career includes a strong focus on water main construction, wastewater management, contract compliance, asset management, and team leadership. While with another firm, he served as Lead Water Main Engineer, playing an instrumental role in the successful restoration and replacement of critical water mains throughout the City of Chicago.

No Road Construction experience!

REPRESENTATIVE PROJECTS

INFRASTRUCTURE

La Grange, IL
Brainard Avenue Water Main Replacement
Resident Engineer for construction observation of approximately 0.75 miles of water main replacement along Brainard Avenue. The existing 6- and 8-inch mains were consolidated into one new 12-inch main. 72 lead services were replaced along the route. The project ran adjacent to an elementary and high school, crossed underneath the Burlington Northern Santa Fe (BNSF) railroad via a jack-in-bore steel casing, and was bounded by two IDOT routes. Peter was tasked with coordinating signed agreements and payment from 50 residents interested in participating in the lead service program. Contact information, notifications, agreement/waiver status, payment status, replacement schedule, lead service photos, as-built records, and punch list items were recorded and monitored through Baxter & Woodman's GIS web mapping services. Village staff were able to access this data in real time to provide information to homeowners, residents, Village board members, and the finance department.

Downers Grove Sanitary District, IL
Centex Pump Station Replacement
Resident Engineer for construction observation of replacement of an existing dry well/wet well lift station for a new triplex submersible lift station with one wet well to reduce the need for confined space entry. The lift station includes three submersible pumps, with the third pump providing redundancy and increasing the time between pump starts.

Lisle, IL
Village Center South Storm Sewer
Resident Engineer for this project which consisted of over 2 miles of storm sewer, providing various older areas of the Village with essential drainage relief. Sewer installation ranges in size from 60-inch to 24-inch and connects residential, business, and school district areas to the DuPage River. The project also includes a 16-foot deep syphon installed under IL-53 using jack and bore methods.

ROADWAY

La Grange, IL
Park District Parking Lot Expansion
Resident Engineer for construction observation of approximately 2.9 acres of green parking lot expansion. The project included site grading, paving, detention basin construction, fence installation, overhead lighting, EV charging station installation, and full depth removal and replacement of curb, gutter, sidewalk, and pavers.

WATER TREATMENT PLANTS/PUMPING STATIONS

Downers Grove Sanitary District, IL
Centex Lift Station Replacement
Resident Engineer for replacement of a pumping station in the Spring Park area. The project included bypass pumping, demolition of the existing pumping station, installation of a new wet well, manhole, valve vault, three 8-inch submersible pumps, 46 feet of 12-inch force main, 8 feet of 12-inch sanitary sewer, diesel generator, and control panel.

While working for others:

Milhouse Engineering
Lead Water Main Engineer
From 2015-2023, Peter's mainly focused on water main restoration and replacement projects in the City of Chicago. He oversaw high-profile construction projects throughout Chicago's neighborhoods and Central Business District. As a lead inspector, Peter managed multiple projects and engineers simultaneously throughout Chicago's North District.

Milwaukee Metropolitan Sewerage District
Engineering Co-op
From 2013-2015, Peter created a detailed breakdown of energy consumption at the Jones Island Wastewater Treatment Plant. He also recompiled the Asset Management Division's inventory of the South Shore Wastewater Treatment Plant.

Benjamin T. Ravetto
Construction Engineer

EDUCATION
B.S., Civil Engineering, Illinois Institute of Technology, Chicago, 2022

Joined Firm in 2022

Years of Experience: 4

CERTIFICATIONS
Documentation of Contract Quantities No. 24-21701

Erosion and Sediment Control Workshop Module I: Fundamental Module

Erosion and Sediment Control Workshop Module III: Inspection Module

IDOT BDE Regulated Substances and Special Provisions during Construction Projects

Mixture Aggregate Technician

Portland Cement Concrete Level I Technician

ACI Concrete Field Testing Technician Grade I

Nuclear Density Tester Course

Ben assists Resident Engineers with observation of work performed, maintenance of Field Quantity Books, preparation of Inspector's Daily Reports, materials documentation, and tracking quantities for work performed for accurate contractor pay estimates. He provides Construction Technician duties for ongoing water main construction projects.

REPRESENTATIVE PROJECTS

Joliet, IL
Water Main Improvements
Construction Technician for construction observation and documentation of contractor activities for the replacement of more than 21 miles of water main, distributed across 15 project areas. The water mains range in size from 6-inch to 16-inch, in addition to jacking and boring a 36-inch casing for a Canadian National Railway crossing. Also included is the replacement of backyard water services, as well as public and private lead service lines. One project area is in downtown Joliet and consists of 6,000-feet of new 12-inch and 16-inch water main, requires extensive removal of bedrock, and a temporary water system to maintain water service to businesses during construction. It also requires a complex maintenance of traffic plan. The project requires coordination with IDOT, the Will County Division of Transportation, and PACE Suburban Bus.

Orland Park, IL
Silver Lake West Phase II and El Cameno Re'al Drive Water Main Replacement
Construction Technician for construction observation and documentation of contractor activities for approximately 10,000-linear feet of 8-inch and 3,000-linear feet of 12-inch ductile iron water main replacement by open cut construction in the Silver Lake West/Quail Hollow and El Cameno Re'al neighborhoods. Fire hydrants and auxiliary valves were replaced, along with new valves and vaults, water services, and curb stops within the road right-of-way. Pavement patching was placed for street restoration and maintenance of traffic plans were prepared. In addition, a new 8-inch ductile iron water main connection was included from the El Cameno Re'al Subdivision to the existing water main on Ravinia Avenue and a crossing of Tinley Creek.

Orland Park, IL
Laguna Woods Roadway Reconstruction
Resident Engineer for construction observation of the $2.4M roadway reconstruction improvements in the Laguna Woods subdivision. The reconstruction included over 2 miles of curb installation, concrete shoulder installation, culvert removal and replacement, ditch regrading, subgrade improvements, driveway replacements, sidewalk improvements, and asphalt roadway mill and overlay. Field observation required high level coordination between the Village, contractor, and residents. Concrete pours and driveway replacements were scheduled on a coordinated basis to minimize impact on residents, garbage routes, and school buses.

Orland Park, IL
Fernway Road & Ditch Reconstruction
Construction Technician for the Village-funded improvements, which consist of hot mix asphalt (HMA) roadway reconstruction, regrading of the existing parkway ditches, Portland Cement Concrete (PCC) shoulders, driveway apron removal and replacement, culvert removal and replacement, and parkway restoration. Ben is responsible for field observation of storm sewer installation.

Flossmoor, IL
Sanitary Sewer Rehabilitation – Phase IV
Construction Technician for sanitary sewer cleaning, televising, and lining rehabilitation project.