

PROPOSAL



PHASE III ENGINEERING

2021 Neighborhood Road Improvement Program



SUBMITTED TO

Village of Orland Park



SUBMITTED ON

April 2, 2021



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POINT OF CONTACT

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Project Manager

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SUBMITTED TO

KEVIN LEHMANN

Public Improvement Tech II
Public Works, Streets Division

14700 Ravinia Ave

Orland Park, IL 60462

Phone: 708.403.6242

Email: klehmann@orlandpark.org





April 2, 2021

Kevin Lehmann, Public Improvement Tech II
Public Works, Streets Division
14700 Ravinia Ave
Orland Park, IL 60462

Proposal: 2021 Neighborhood Road Improvement Program | Phase III Engineering

Dear Mr. Lehmann,

Thank you for the opportunity to submit our proposal for the 2021 Neighborhood Road Improvement Program. We understand that being responsive to your project needs, assigning the best technical staff and communicating effectively with the Village and contractor will be critical to the successful completion of any project assigned.

Peter Sathissarat, P.E. will serve as Project Manager for this program. He has 22 years of experience in construction engineering for various types of infrastructure and has worked on both public and private sector projects. Most recently, Peter has provided Phase III engineering services for the Cities of Joliet and Chicago as well as other local municipalities.

Our Resident Engineer, Eric Szopinski, P.E., is a Construction Engineer in V3's Construction Engineering Group. Eric is responsible for field supervision, contractor oversight and compliance. Eric coordinates directly with clients, project managers, subconsultants, utility companies and stakeholders. Eric recently completed the Phase III construction engineering services on the Farrel Road Path project for the City of Lockport.

Tim Turner will be our Assistant Resident Engineer and has 14 years of experience in construction inspection, surveying and project administration. His responsibilities include construction observation of sewer installation, pavement removal and resurfacing, pavement marking as well as concrete structure construction. He also has experience in inspecting traffic signal and lighting system construction. Tim is IDOT certified for materials testing and documentation as well as ADA compliance, erosion and sediment control.

V3 Companies proposes a lump sum cost of \$430,040.00.

Our submittal includes similar project experience, our project understanding and approach and project team resumes. We look forward to working with the Village and are available immediately to begin work. If you have any questions regarding our qualifications, please feel free to contact me at 630.973.6404 or via email at mpowers@v3co.com.

Sincerely,
V3 Companies, Ltd.

A handwritten signature in blue ink that reads "Matthew Powers".

Matthew Powers
Vice President, Director of Construction Engineering

SECTION 1



SIMILAR PROJECT EXPERIENCE



FARRELL ROAD PATH

LOCKPORT, ILLINOIS



CLIENT

City of Lockport

VALUE

Construction Cost: \$350,000

SERVICES

- After working with the City of Lockport to update the Phase I study and develop Phase II engineering plans, V3 provided Phase III construction engineering services for a new multi-use path along Farrell Road from Division Street to 7th Street, a distance of approximately a half mile.
- The improvements include a new eight-foot, shared-use path along the west side of Farrell Road adjacent to the Lockport Township High School. Close coordination was required to maintain school access for students and buses as well after-hours extra curricular activities.
- In addition, new ADA compliant signals were installed at each driveway crossing as well as the signalized intersections of Division Street and 7th Street.
- There are a number of underground utilities that run along the corridor, particularly at the two intersections at Division Street and 7th Street. V3 worked with City and the School District to develop options that minimize the need for costly utility relocations.
- Since the City received ITEP funding, the engineering design plans and construction activities followed IDOT guidelines and were processed under IDOT's procedures for federally-funded projects. The design, contract plans and special provisions conformed to IDOT's Bureau of Local Roads and Streets Manual.

- *Change Orders/Pay Estimates*
- *Construction Cost Estimating*
- *Construction Inspection*
- *Construction Management*
- *Owners Representation*
- *Public Relations*
- *Topographic Mapping*



HIGGINS ROAD MULTI-USE PATH

SCHAUMBURG, ILLINOIS



CLIENT

Village of Schaumburg

VALUE

Construction Cost: \$380,000

SERVICES

- V3 provided Phase II design engineering services for this half-mile-long, eight-foot-wide, multi-use path designed to connect the existing facilities on the north side of Higgins Road (IL Route 72).
 - A new ADA compliant, signalized crossing was added at Plum Grove Road, which is currently under construction. V3 coordinated design efforts with the Village since this project will affect recently-constructed improvements on Plum Grove Road.
 - Utility relocations implemented as part of the Plum Grove Road project required V3 to conduct a supplemental survey and revise the Phase I design.
 - Proposed improvements also included modification of existing traffic controls to provide new pedestrian push buttons and signals.
 - The Village received federal Transportation Alternatives Program funding for this project, therefore engineering design plans will follow IDOT guidelines and be processed through IDOT Bureau of Local Roads.
- *County Highway Department Permitting Assistance*
 - *Topographic Survey*
 - *Multi-Use Path Design*
 - *Traffic Signal Design*



VARIOUS QUALITY ASSURANCE FOR MATERIALS INSPECTIONS PROJECTS

JOLIET & CHANNAHON, ILLINOIS



CLIENT

Illinois Department of Transportation

SERVICES

- Construction inspectors from V3 worked with IDOT on various contracts on an as-needed basis. Scope of services provided included construction observation and project documentation. Work assignments included construction observation on multiple projects including:
 - Resurfacing of McDonough Avenue in Joliet, Illinois
 - Rehabilitation of the Jefferson St. Bridge in Joliet, Illinois
 - Earth excavation, embankment and HMA shoulder widening of I-55 in Channahon, Illinois
- In addition to construction observation responsibilities, V3 staff provided program management support within the IDOT District 1 headquarters. Responsibilities included review of project documentation, materials inspection review, change order review, CDOT change order invoice reviews and project finalization.
- Work assignments included both daytime and overnight work activities. Staff coordinated schedules to ensure that sufficient inspectors were available to cover all ongoing work activities.

- *Construction Inspection*
- *Construction Management*
- *Documentation Review*

SECTION 2



PROJECT UNDERSTANDING & APPROACH



Introduction

The project consists of 12 neighborhood residential street areas in the Village of Orland Park. The project is separated in two phases because of separate funding. Phase 1 includes nine neighborhood street areas that are locally funded. Phase 2 includes the remaining three neighborhood street areas that are funded with IDOT's MFT- like Rebuild Illinois Bond Funding. For the entire project, a total of 65 different streets will have some sort of construction.

The project consists of three types of pavement construction; reconstruction, resurfacing and edge milling. For the streets that reconstruction is required, the removal of 4.5 inches followed by placement of three inches of HMA binder and 1.5 inches of surface. The streets that require resurfacing will have 1.75 inches of HMA removal and 1.75 inches of HMA surface to replace it.

Lastly, the streets that are required to have an edge mill will be variable depth of 1.75 at the curb and zero at six foot out. Then the entire roadway surface will be replaced with new 1.75 HMA surface.

The project also includes satellite items that will be included with the HMA pavement work and they are; sub-base preparation, aggregate base course, aggregate subgrade improvement, remove and replace sidewalk, remove and replace curb and gutter, ADA compliant sidewalk ramps, remove and replacement of driveway pavement, structure adjustments, underdrain installation and pavement marking.

The construction cost is estimated to be just over seven million dollars. The start date of the construction of the project will be mid to late May 2021 and shall be complete no later than November 15, 2021.

Keys to a Successful Project

COMMUNICATION

Communication will be an important part of this project as the project has 12 separate areas of construction that are spread out throughout the Village and locations as well as parts of construction will be changing daily, if not hourly. Communication between the major stakeholders of the Village of Orland Park, V3 and the contractor will occur frequently throughout the construction day for the entire project.

At the pre-construction meeting a defined path of communication will be set up and will be followed for the duration of the project. The contractor will need to be looking ahead for the next move. That information will need to forward to V3 and the Village. The communication between all parties can be completed in various ways such as meetings, email, or texts. This information then can be communicated to the impacted residences and the traveling public with the use of Changeable Message Boards (CMS), door hangers, or email blasts.

Communication with the major stakeholders will help notify the impacts of construction to the residents. Residents usually react positively when they get information about the construction that will directly impact them.

Another way of communication that will be completed for this project will be the use of progress meetings. It is suggested weekly progress meetings be made and due to Covid19 it is also suggested that these progress meeting be held outside on site. The progress meetings keeps all stakeholders informed of what the next move/area the contractor plans on working and other issues can be discussed at that time. Meeting minutes will be produced to document all conversations and sent to all involved.



PROJECT UNDERSTANDING & APPROACH

SCHEDULE

This project has an aggressive completion date with a tight timeline to complete the work. Oversight by the Village of Orland Park and V3 of the contractors schedule at the start of the contract will be very important. Close monitoring of the schedule always helps at the end of the project. Hours or days lost at the beginning of the contract can mount up and make the completion date harder for the contractor to achieve. Weather always impacts these projects and suggestions on how to stay on schedule

or catch up to the planned schedule will be made. The experienced V3 team of Eric and Timothy will help keep the contractor on schedule.

The schedule will be a topic discussed at the progress meetings. Past experiences with projects like these have help keep the dialog open about the schedule. This will keep all of the stakeholders aware of the schedule before the project gets behind.

FLEXIBILITY

This project is spread out throughout the Village and the V3 team will stay flexible on where the current work is located and where the upcoming work will going on. The contractor will be working in one area while layout for removals and paving limits will need to be completed at the same time. All V3 team members will have their own vehicle. Eric and Timothy have knowledge on how to do these processes from marking removal limits to

construction observation of placing HAM surface. The team will remain flexible and work together with the Village to make sure the contractor stays on task in completing the project on time. Also this project will have the possibility of multiple areas of construction going on at one time. Eric and Timothy have been in these situations many times with their past experience and will be able to handle multiple inspection duties.

CONSTRUCTION OBSERVATION & DOCUMENTATION

Eric and Timothy will do the field documentation for all items and will always be on site. They are boots on the ground type of engineers that will stay in constant contact with all construction observation of items completed for the day's work. This team will use inspector daily reports to log all observations for the days' worth of work. This will include date, weather, contractor/subcontractor manpower, equipment used, important conversations with the contractor or residents and items completed.

The team will also measure and document all items completed for the day. These quantities will then be recorded electronically, per item so an up-to-date quantities tallied for the project at any time. While observation of the items is made the V3 team will make sure all materials incorporated have approved certifications, tickets, or markings. Eric and Timothy will be able to generate electronic copy of completed quantities will be

used for verification of the reported contractor quantities for progress payments. Then a recommendation of approval or rejection for payment will be made to the Village.

Progress payments are suggested at least once a month but no more than once for every two weeks. V3 uses the motto of "ABC =Always Be Closing" for our projects. Close out does not start at the end of the project it starts at the beginning. Eric and Timothy will keep close track of the quantities as the project progresses. For this project it is set up into 12 mini projects where it would be suggested that closeout of quantities for these 12 individual areas be made when these locations are complete. At the end the total project close out should be very quick.

SECTION 3

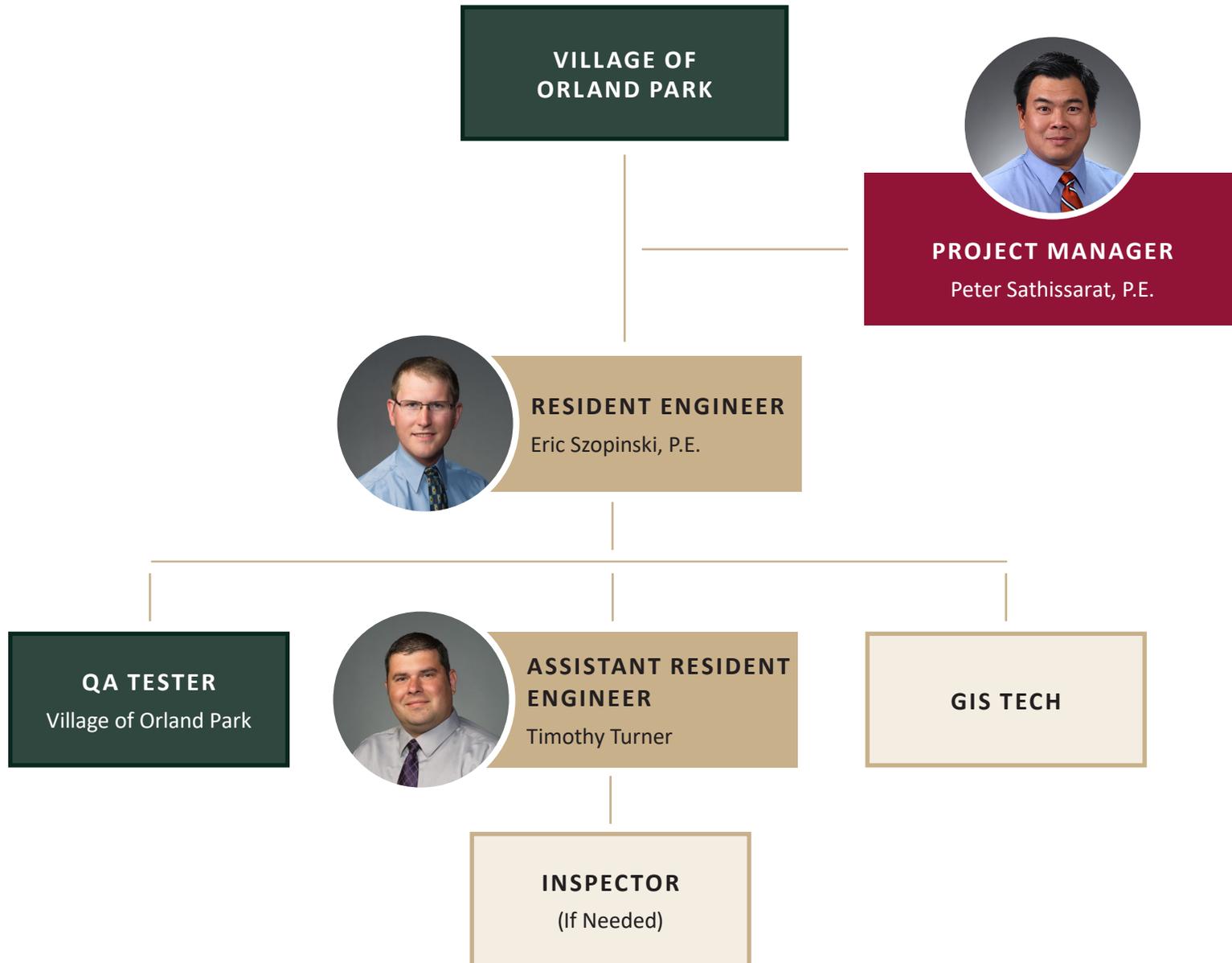


PROJECT TEAM



ORGANIZATIONAL CHART

2021 Neighborhood Road Improvement Program



PETER SATHISSARAT, P.E.

PROJECT MANAGER



Peter is a Resident Engineer II with experience in construction engineering for various types of infrastructure and has worked on both public and private sector projects. His most recent experience is in sewer and wastewater treatment projects for the Cities of Joliet and Chicago as well as other local municipalities.

YEARS OF EXPERIENCE

V3: 22 | Total: 22

EDUCATION

Bachelor of Science, Civil Engineering,
University of Illinois

Master of Science, Civil Engineering,
University of Illinois

CONTINUING EDUCATION

APWA: Local Agency & Consultant
Resident Engineer's Training

IDOT Training:

- *Documentation of Contract Quantities: #17-12525, 2017*
- *Construction Materials Inspection Documentation*
- *DIRTBA Materials Management*
- *Electronic RE*
- *ICORS*
- *Nuclear Density Testing*
- *QC/QA PROGRAM: Portland Cement Concrete Level I*
- *Visual Training*

REGISTRATIONS

Professional Engineer: Illinois,
#062-056339, 2003

Eastside Wastewater Treatment Plan Phosphorus Removal, City of Joliet

– Joliet, Illinois | Resident Engineer for this \$18.8-million wastewater treatment plant addition project. Project includes aeration basin modifications, chemical removal facilities, sludge thickening and plumping as well as piping and valve replacement. Project also includes construction of a new administration building and renovation of the existing building into a process control building. Peter coordinates construction activities and acts as a liaison between the designer, contractors and the City.

Richards Street Lift Station Replacement, City of Joliet – Joliet, Illinois

– Joliet, Illinois | Resident Engineer for this \$3.5-million infrastructure improvement project that includes replacing the existing Richards Street lift station as well as installing a gas generator, forcemain, gravity sewer, manholes, lateral connections and ancillary construction. Project included communication with IDOT, utilities and affected stakeholders. V3 prepared a work sequencing plan that minimized the amount of bypass pumping necessary during construction while continuing to keep the existing sewer in operation.

Downtown Joliet Sanitary & Storm Sewer Improvements, City of Joliet

– Joliet, Illinois | Project Manager for this \$5-million improvement project to separate an existing combination sanitary and storm sewer system through the downtown business district. Project included 2,600 feet of storm sewer trunk line installed through bedrock. Multiple redesigns occurred due to unknown utilities and work was performed at night to minimize traffic disruption. Peter provided project oversight and assisted the V3 Resident Engineer with coordination between the various contractors, the designer and the City.

Combined Sewer Overflow Long-Term Control Plan Wet Weather Treatment Facility, City of Joliet

– Joliet, Illinois | Resident Engineer for this \$33.4-million wet weather treatment facility expansion. Project includes construction of concrete tanks, buildings, manholes, junction structures, underground piping, pumping equipment, screening equipment, clarifier equipment, disinfection equipment, associated mechanical and electrical work, site grading, paving and restoration. Peter coordinated construction with various contractors and acted as a liaison between the designer, contractors and the City.



Joliet Aux Sable & Westside Wastewater Treatment Plants, City of Joliet – Joliet, Illinois

| Project Manager for this \$16.6-million wastewater treatment plants expansion. Project includes work at two separate treatment plants involving wastewater treatment facility grit removal system, selectors, oxidation ditch modifications, splitter structure modifications, final clarifiers, chemical feed building, disinfection modifications, pumping modifications, aerobic digester covers, biosolids mixing modifications and a biosolids storage tank. Peter provided project oversight and assisted the V3 Resident Engineer with coordination between various contractors, the designer and the City.

Joliet Combined Sewer Overflow Tunnel, City of Joliet – Joliet, Illinois

| Resident Engineer for this \$21.4-million sewer improvement. Project included construction of an 865-foot-long tunnel under the Des Plaines River, including shafts, piping and other ancillary structures. Significant rock excavation via blasting and hydraulic breaking was required as well as pavement removal and replacement. Peter coordinated construction with various contractors and acted as a liaison between the designer, contractors and the City.

South Hoyne Avenue Sewer Installation, Chicago Department of Water Management – Chicago, Illinois

| Resident Engineer for \$4.7-million sewer installation located on both business and residential streets. Project included installation of drainage structures, private drain connections, four connection structures and nearly one mile of storm sewer improvements. Peter coordinated all work with alderman's offices, various City services, utility companies, businesses and residents.

87th Street Sewer Improvements, Chicago Department of Water Management – Chicago, Illinois

| Resident Engineer for \$7.2-million sewer installation project in both business and residential areas. Project included 1.3 miles of sewer improvements with up to 66-inch diameter, reinforced concrete sewers, pavement restoration, HMA milling, resurfacing, curb, gutter replacement, construction of ADA compliant ramps, sidewalk replacement, pavement markings and watermain cut, cap and replacement. Peter was responsible for coordinating work with alderman offices, various City services, utility companies and stakeholders.

Peterson & Fairfield Avenues Sewer Improvements, Chicago Department of Water Management – Chicago, Illinois

| Resident Engineer for the \$13-million sewer installation project that included drainage structures, private drain connections, modifications to the Metropolitan Water Reclamation District's junction, siphon chambers and more than one mile of storm sewer improvements. Sewers with diameters as large as 80 inches were installed in a business district on an arterial street. Because the project area included both business and residential streets, Peter was responsible for coordinating work with alderman's offices, various City services, businesses and residents.

Edward Hines Jr. VA Hospital Watermain Replacement, U.S. Department of Veterans Affairs – Hines, Illinois

| Project Manager for this installation of approximately 2,800 linear feet of watermain to replace portions of an aging watermain. A primary project challenge included the need for the entire campus to remain in service during the watermain replacement which was addressed with creative design solutions including pipe boring. Peter was responsible for managing V3's Resident Engineer as well as coordinating work with the Client's construction manager.

143rd Street & LaGrange Road Corridor Improvements, Village of Orland Park – Orland Park, Illinois

| Resident Engineer for extensive roadway improvements totaling \$12 million in pavement widening, pavement reconstruction, new watermain and oversized storm sewer, irrigation, street lighting, landscaping, plantings, brick pavers and numerous decorative landscaping improvements. Existing right-of-way contained several existing utilities that had to be moved, adjusted or maintained along with the proposed utilities, lighting and traffic signals. Peter was responsible for coordinating the work with IDOT's future expansion of LaGrange Road.

Washington Park Stormwater Improvements, Village of Downers Grove – Downers Grove, Illinois

| Resident Engineer for a \$2.9-million storm water detention basin and park improvement. Project consisted of mass earth excavation, storm and sanitary sewer, watermain, cast-in-place concrete retaining walls, softball and soccer fields, parking lot improvements, a basketball court, irrigation system, landscaping and aesthetic features. Peter was responsible for stakeholder communication and acted as a liaison between various contractors and the Village.

ERIC SZOPINSKI, P.E.

RESIDENT ENGINEER



Eric is a Project Engineer with experience in construction inspection and observation. He joined V3 in summer of 2018 and is responsible for project supervision in the field, contractor oversight and compliance. Eric coordinates directly with clients, project managers, subconsultants, utility companies and stakeholders.

YEARS OF EXPERIENCE

V3: 3 | Total: 10

EDUCATION

Bachelor of Science, Civil Engineering,
Bradley University

REGISTRATIONS

Professional Engineer:
Illinois, #062-067896, 2015

Higgins Road Multi-Use Path, Village of Schaumburg – Schaumburg, Illinois

| Project Engineer for construction of this half-mile, multi-use path connecting existing facilities along Higgins Road (IL Route 72). Work included HMA paving, utility coordination, installation of ADA crosswalks and optimization of the signalized crossing at Plum Grove Road. Eric was responsible for maintaining vehicular and pedestrian traffic throughout construction as well as coordination with IDOT and the Village.

Farrell Road Path, City of Lockport – Lockport, Illinois | Project Engineer for Phase III construction engineering services for a new multi-use path along Farrell Road from Division Street to 7th Street, a distance of approximately a half mile. Improvements include a new eight-foot, shared-use path along the west side of Farrell Road adjacent to the Lockport Township High School. Since the City received ITEP funding, the engineering design plans and construction activities followed IDOT guidelines and were processed under IDOT's procedures for federally-funded projects.

Stevenson Expressway (I-55) Resurfacing, Illinois Tollway – Cook County, Illinois

| Project Engineer responsible for Phase III construction supervision. Eric oversaw completion of required documentation, managed Illinois "Pay for Performance" data and performed material quality assurance.*

79th Street & Western Avenue Reconstruction, CDOT – Chicago, Illinois | Project Engineer for lowering the existing road under the railroad viaduct. Oversaw the complete reconstruction of the existing road and sidewalk, relocation of various utilities and reconstruction of freshwater, wastewater and stormwater retention systems. Eric coordinated with CDOT, stakeholders and the community to ensure timely completion and minimize impact to stakeholders.*

JAWA Watermain Installation, Lake County – Lake County, Illinois | Project Engineer managing construction and installation of watermain ranging from 24 inches to 90 inches and aided in hot tap construction and implementation. Eric coordinated multiple contracts with various contractors and municipalities.*



IL Route 47 & Jane Addams Memorial Tollway (I-90) Interchange, Illinois Tollway – Sugar Grove, Illinois |

Project Engineer who worked with a professional surveyor to develop cross sections and marked roadway centerline for six interchange ramps. Directed construction, including earth excavation and removal of hazardous materials. Eric was responsible for documentation, developing solutions to condition changes and implementing field changes.*

Regan Memorial Tollway (I-88) & IL Route 59 Diverging Diamond Interchange, Illinois Tollway – Naperville, Illinois |

Project Engineer for Phase III construction of drilled pile retaining wall. Eric coordinated with various utility companies for the relocation of water, electric, gas and fiber.*

IL Route 34 Reconstruction, IDOT – Illinois |

Project Engineer for Phase III construction for two miles of roadway and bridge widening. Organized storm sewer and box culvert installation and performed air and slope tests on concrete. Eric coordinated with IDOT and adhered to documentation procedures.*

Jane Addams Memorial Tollway (I-290) Reconstruction & Widening, Illinois Tollway – Roselle, Illinois |

Project Engineer for the complete reconstruction from Roselle to IL Route 53. Coordinated with nine different contractors across the project corridor. Eric ensured that the project was delivered under budget.*

135th Street Reconstruction, Will County Division of Transportation – Plainfield, Romeoville & Lemont, Illinois |

Project Engineer for the complete reconstruction and widening of 135th Street from New Avenue to Smith Road. Directed installation of traffic signals, landscaping, asphalt pavement and storm sewer. Eric coordinated utility relocations with Nicor, ComEd and others.*

TIMOTHY TURNER

ASSISTANT RESIDENT ENGINEER



Tim is a Senior Construction Technician with experience in construction inspection, surveying and project administration. His responsibilities include construction observation of sewer installation, pavement removal and resurfacing, pavement marking as well as concrete structure construction. He has observed installation of all aspects of bridge construction including piling, structural steel, reinforcing steel and construction of substructure and superstructure. He also has experience in inspecting traffic signal and lighting system construction. Tim is IDOT certified for materials testing and documentation as well as ADA compliance, erosion and sediment control.



YEARS OF EXPERIENCE

V3: 3 | Total: 14



EDUCATION

Bachelor of Arts, History Education,
Trinity Christian College



CONTINUING EDUCATION

IDOT Training:

- *Documentation of Contract Quantities: #17-12682, 2017*
- *Erosion & Sediment Control*
- *ICORS Certified*
- *Mixture Aggregate Technician Three Day*
- *PCC Level I Certified*
- *S-33 Soil Field Testing & Inspection*
- *TT-ADA/PROWAG*

Iowa Aggregate Technician, 2018

OSHA 10-Hour

National Highway Institute Training:

- *Advanced Self Consolidating Concrete: #131130, 2017*
- *PCC Construction: #131121, 2017*
- *TCCC Bolted Connections: #134074, 2017*

ComEd Substation Engineering Quality Assurance, ComEd – Various Locations, Illinois

Construction Inspector for civil and structural improvements at substations throughout Northern Illinois. Project includes inspection of foundation elements and observing construction to determine whether the work generally conforms to the plans, specifications and approved submittals. Tim was responsible for conducting field inspections and providing documentation for quality assurance of site civil work.

2015-2019 Ancillary Sewer Program, City of Chicago Department of Water Management – Chicago, Illinois

Construction Inspector for a sewer improvement program divided into three-sections; each with its own contractor and contract documents. Work consists of emergency projects delivered as design-build and projects completed in conjunction with City forces. Improvements include installation of combined sewers and modification of existing connection structures, sewer structures, drain connections and watermains. Additional work includes full construction of roadway pavement, sidewalks, driveways, curbs and gutters along with pavement patching, asphalt paving and landscape restoration on residential and arterial streets.

TSS 184 Elk Grove Village Gas Insulated Switchgear (GIS) Building, ComEd – Elk Grove Village, Illinois

Construction Inspector for quality assurance of site civil and electrical infrastructure for a precast concrete GIS building at the new TSS 184 substation facility. Project included site grading, fire protection system including a pre-fabricated fire pump house, transformer bay foundations and fire walls, electrical duct packages, security perimeter, building and site lighting, sanitary and storm sewer, water supply and site auxiliary utilities including mechanical, electrical and plumbing. Tim is responsible for inspection and documentation of construction activities, oversight of material testing and assistance with coordination.

TSS 184 Elk Grove Village Grading & Drainage, ComEd – Elk Grove Village, Illinois

Construction Inspector for quality assurance of site civil work, grading and drainage for this new substation facility. Project included installation of storm sewer as well as a 122-piece StormTrap system to provide more than 59,000 cubic yards of underground water storage. Tim is responsible for inspection and documentation of construction activities, oversight of material testing and assistance with coordination.

TIMOTHY TURNER

ASSISTANT RESIDENT ENGINEER



TSS 98 Ransom Substation, ComEd

– *Ransom, Illinois* | Construction Inspector for site civil work associated with the construction a new substation being procured by ComEd. Project included excavation, embankment, lime stabilization, storm sewers, drilled shafts, building foundations, spread footings, fence, yard stone and final restoration. Tim was responsible for inspection and documentation of all construction activities, oversight of material testing and assistance with coordination.

Various Quality Assurance for Materials Inspections Projects, IDOT – Joliet & Channahon, Illinois

| Construction Inspector responsible for providing construction documentation and inspection services on an as needed basis. Other services include providing program management support within IDOT District 1 headquarters. Tim was responsible for construction observation and documentation on the following projects:

- *Joliet, Illinois – Resurfacing of McDonough Avenue*
- *Joliet, Illinois – Rehabilitation of the Jefferson St. Bridge*

I-57 & Bourbonnais Parkway (6000N) Interchange, IDOT – Bourbonnais, Illinois

| Construction Inspector for reconstruction and widening of 6000N, US Route 45/52 and IL Route 50. Improvements included replacing the bridge carrying 6000N over I-57 and new entry ramps in all directions. Tim was responsible inspecting of contractor work, traffic control, erosion and sediment control, as well as calculating daily quantities, documentation review and assisting in as-built records.*

Willow Road from IL Route 43 (Waukegan Road) to Dan Ryan Expressway (I-94) & Middle Fork North Branch Chicago River Reconstruction, IDOT – Northfield, Northbrook & Glenview, Illinois

| Construction Inspector for the reconstruction and widening of Willow Road and replacement of the bridge carrying Willow Road over the north branch of the Chicago River. Improvements included reconstruction of northbound exit ramp, auxiliary lane extension and superstructure repairs of Willow Road over I-94. Tim was responsible for the cross-sections and final grade as well as assisted the Resident Engineer with utility coordination, redesign of ADA ramps, inspection of contractor work, calculating daily quantities, traffic control inspections and documentation review.*

Mile-Long Bridge Tri-State Tollway (I-294), Illinois Tollway – Willow Springs, Illinois

| Project Surveyor for topographic, utility, drainage and hydraulic surveys for Phase I and II design. Tim worked in the field conducting the operation of survey equipment, documentation of utility and drainage structures and assisting with 3D scanning of the bridge spans.*

Clinical Utilization Diversity Program Audits, Illinois Tollway – Joliet, Illinois

| Administrator responsible for data collection for planning to update the Illinois Tollway's diversity program on Phase III construction projects. Tim conducted field interviews with contractor employees, reviewed required documentation and made recommendations for changes to standard forms and procedures based on his findings.*

I-57 from Ashkum-Gilman, IDOT– Ashkum, Illinois

| Construction Inspector for pavement patching, HMA resurfacing, storm sewer, earth excavation and removal and replacement of three cast in place box culverts. Tim was responsible for inspections of contractor work, traffic control, erosion and sediment control, calculations of daily quantities, daily reports and documentation review.*

US Route 20 Ramps over Jane Addams Memorial Tollway (I-90), Illinois Tollway – Hampshire, Illinois

| Construction Inspector for reconstruction of 1,000 feet of PCC pavement and the two-span bridge carrying ramps over I-90. Project also included earthwork and roadway lighting. Tim was responsible for inspections of contractor work, traffic control, calculations of daily quantities, daily reports and documentation review.*

Tri-State Tollway (I-294) Rehabilitation, Illinois Tollway – Cook & Lake County, Illinois

| Construction Inspector for bridge deck patching and overlay of the Atkinson Road bridge over I-294 and joint repairs on the Center Street and Dixie Highway bridges over I-294. Tim was responsible for inspecting contractor work, sounding bridge deck, laying out patches, traffic control inspections, daily reports, daily quantities and documentation review.*

Janes Avenue Extension, Willage of Woodridge – Woodridge, Illinois

| Construction Inspector for construction of new roadway from south of Boughton Road to north of the Stevenson Expressway (I-55). Project included earth work, storm sewer, sanitary sewer, lighting, traffic signals, HMA pavement and both precast and cast-in-place box culverts. Tim was responsible for inspecting contractor work, calculating daily quantities, completing daily reports and documentation review.*



UNITED STATES | CANADA | HAITI | V3CO.COM

VISIO, VERTERE, VIRTUTE | THE VISION TO TRANSFORM WITH EXCELLENCE