October 28, 2021

Mr. Bill McKenna, Village Engineer
Village of Oak Park
201 South Boulevard
Oak Park, Illinois 60302

Proposal: Lemoyne Storm Sewer Replacement RE Services

Dear Mr. McKenna,

V3 Companies (V3) is pleased to provide RE services for the Lemoyne Storm Sewer Replacement. The enclosed information presents our team, scope of services and fee to provide Phase III construction engineering services for the project.

With the Master Agreement for Professional Engineering Services between Oak Park and V3 dated 9/29/2021 which set forth the contractual elements of this agreement, will constitute an agreement between Oak Park (CLIENT) and V3 Companies, Ltd. for professional services on this project.

We appreciate the opportunity to present this proposal and look forward to working with you on this project.

If you have any questions, please contact Jason Holy at 630.729.6184.

Sincerely,
V3 Companies, Ltd.

Vince Del Medico, P.E., Vice President

Phase III Construction Engineering Scope of Work

TASK I | PRE-CONSTRUCTION PHASE SERVICES

- Perform a constructability plan review of final documents to identify potential conflicts or issues that may affect the construction schedule or budget.
- Perform a field inspection to ensure current field conditions are reflective of the contract plans.
- Provide digital existing condition photographs to document existing site conditions.
- Establish channels of communications with all stakeholders, including individual schools and emergency responders.
- Schedule, lead and prepare minutes for the pre-construction meeting.
- Coordinate contact information for all responsible parties.

TASK 2 | CONSTRUCTION PHASE SERVICES

Once the pre-construction meeting has been held V3 will provide the following:

- Review and process submittals for approval.
- Review each location with the Contractor and verify no additional utility coordination will be required to perform the work.
- Coordinate construction with utilities and MWRD.
- Review the Contractor's submitted Project Schedule, and provide recommendations to the Village for revisions or approval.
- Work with Village personnel to draft construction notification letters for distribution to potential impacted parties.
- Utilizing channels of communication established earlier, continue to coordinate project status with schools, Village departments, and emergency responders that may be impacted by construction staging and changes in the MOT.
- Maintain a 24-hour emergency contact to be coordinated with the Contractor.
- Provide project oversight by a qualified inspector with Resident Engineer oversite.
- Provide full time inspection of Contractor's work. The onsite inspector will be capable and available to answer all stakeholder questions and concerns, record regular on-site observations, and ensure completion of the work in accordance with contract documents.
- Oversee proof rolling of subgrade prior to pavement construction to determine the areas of unsuitable soil replacement. Provide estimated contract quantities for removal and replacement of unsuitable soil with recommendations to the Village.
- Provide a running spread sheet for each day's work and measure quantities for payment. Fill out the MWRD IGA forms for payment
- Provide all required report and invoicing for MWRD grant as well as record/ report the contractors MWRD DBE participation so that they are within line of the MWRD requirements.
- Work with the Village on letters to be mailed to the residence along the project limits. Services include assisting in writing the letter and stuffing the envelopes.
- Maintain the project diary and document activities throughout construction.
- Provide digital photographs of construction to document progress or damages inflicted by Contractor methods.

- Coordinate and conduct weekly progress status meetings with Contractor and Village of Oak Park. Distribute meeting minutes to those in attendance within 7 days of the meeting.
- Require the Contractor to provide two-week look-ahead schedules, in order to coordinate public notice and plan ahead for the work.
- Provide weekly construction updates to the Village.
- Confirm the approved materials are being utilized on the project prior to any payments.
- No additional work will be authorized without the written confirmation from the Village of Oak Park.

TASK 3 | FINAL CLOSE-OUT SERVICES

- Confirm final quantities with the Contractor.
- With Oak Park present, perform a final inspection of completed work, and issue both working and final punch lists to the Contractor, to resolve prior to final payments.
- With Village concurrence, issue acceptance of the work upon satisfactory completion of all noted items.
- Prepare and submit the final pay request.
- Provide as-built drawings in CAD and pdf formats.
- Submit final papers to Village suitable for project closeout; submit job box and copies of electronic files to Village.

ASSUMPTIONS & EXCLUSIONS

The following assumptions and qualifications were made by V3 in preparing the scope, fee and schedule for the project. If any of these conditions change throughout the project, V3 may be entitled to additional services. We will notify the Village as soon as possible if we foresee project conditions changing.

- Traffic control will be provided by IDOT standard only.
- Post design services outside what is presented here in is not included.
- Meetings in addition to those specified above are not included.
- Structural design engineering services here in are not required for this project.
- Prepare CCDD forms for project sites for signature by the Village.
- Construction survey and layout is not included.

Employee Classification: / Hourly Rate:	Resident Engineer II $178	Inspector $103	Project Manager II $181	CAD Technician $125	Costs
Management	85				
Precon		120			
Construction		680			
Close Out/As-Built	20	120		35	
Administration			15		
Hours	**105**	**920**	**15**	**35**	**1075**
Fee	**$18,690.00**	**$94,760.00**	**$ 2,715.00**	**$ 4,375.00**	**$ 120,540.00**
Reimbursables		$ 100.00			**$ 100.00**
TOTAL					**$ 120,640.00**

PETER SATHISSARAT, P.E.

RESIDENT ENGINEER II

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 City of Joliet 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 Plant 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 pumping 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* | Project Manager 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 oversite 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 oversite 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.

JAMES BESSLER

CONSTRUCTION TECHNICIAN III

Jim is a Construction Technician with management and contracting experience involving private and public site work and infrastructure. He is responsible for construction sequencing, project scheduling, cost estimating and personnal and project management. Jim also interacts with owners, engineers and testing services and coordinates all subcontractors.

YEARS OF EXPERIENCE

V3: 6 | Total: 10

EDUCATION

Bachelors of Science, Construction Management, Western Illinois University

CONTINUING EDUCATION

IDOT: Concrete Testing PCC Level 1

OSHA 30-Hour

APWA: Culvert Inspection

ComEd Engineering Quality Assurance, ComEd – *Various Locations, Illinois* | Construction Inspector for civil and structural improvements throughout northern Illinois for more than 300 substation, transmission and distribution projects. Program includes inspection and observing construction to determine whether the work generally conforms to the plans, specifications and approved submittals. Jim provided daily inspection notes, coordinated directly with the ComEd onsite construction manager and documented non-compliant work as well as how and deficiency resolution. Jim's projects included:

- *TSS 101 Itasca*
- *TSS 86 Davis Creek*
- *TSS 46 Des Plaines*
- *TSS 66 East Frankfort*
- *TSS 143 Wolfs Crossing*

John Humphrey Sports Complex Concession Building Renovation, Village of Orland Park – *Orland Park, Illinois* | Construction Manager for the design/build renovation to a 2,200-square-foot concession building. Improvements included full interior demolition and renovation to upgrade bathrooms as well as converting the concession service area from interior to exterior service. Additionally, the asphalt shingle roof was replaced with a standing seam metal roof. The project was completed ahead of schedule.

Lockport Heights Watermain Replacement, Lockport Heights Sanitary District – *Lockport Heights, Illinois* | Construction Manager for design and construction-phase services for the abandonment of a failing watermain that was replaced with approximately 1,600 feet of new C900 PVC, eight-inch watermain. V3 worked with the community to submit a Community Development Block Grant to Will County to finance the watermain replacement. Project challenges included meeting Illinois EPA separation requirements and working within a residential community with water service lines that had not been correctly installed when the homes were constructed.

Niles North Outdoor Athletic Field & Surface Alterations, Niles Township High School District 219 – *Skokie, Illinois* | Construction Manager for general contracting services for improvements to the outdoor athletic facilities at the Niles North High School. Project included new track surfacing and synthetic field drainage as well as eight tennis courts which required significant undercutting of unsuitable subgrade. Jim managed seven subcontractors within a narrow schedule to complete the project during the summer break.

**Work performed at previous firm*

JAMES BESSLER

CONSTRUCTION TECHNICIAN III

Navistar East-West Parking Expansion, Navistar, Inc. – *Lisle, Illinois* | Construction Manager for design and construction of two new parking lots on the Navistar main campus. Project included four-acres with conventional concrete curb and asphalt pavement with associated storm sewer, parking lot lighting, irrigation and landscaping as well as resolution of buried utility conflicts. All construction was performed while maintaining existing traffic control and providing pedestrian access from the surrounding parking lot to the building.

LaGrange Road Corridor Improvements, Village of Orland Park – *Orland Park, Illinois* | Construction Manager for this 6.5-mile streetscape project through the major retail corridor of Orland Park which was completed in conjunction with an IDOT road widening project. Features included widened/decorative sidewalks, raised brick median walls, monument signage, electrical provisions for holiday lighting and all associated irrigation and landscape improvements. Precise coordination was needed to not interrupt IDOT contract work. Jim oversaw daily on-site operations and provided critical communication with the Village and IDOT as well as managing 10 different subcontractors.

Culvert Evaluation & Rating, City of Naperville – *Naperville, Illinois* | Project Manager for the City's corrugated metal culvert evaluation. V3 coordinated with the City for onsite evaluations of more than 50 culverts throughout the City. A rating system was developed in order to determine maintenance needs and produce automated work orders for the Public Works staff.

Navistar Native Areas Restoration, Navistar, Inc. – *Lisle, Illinois* | Construction Manager for design/build services to restore three, high-profile detention basins and native park amenities that totaled eight acres. Project included manually removing invasive species along 2,600 feet of shoreline, selective clearing of dense stands of woody species, custom seed mixes for each treatment are as well as native plant installation to beautify the campus and shoreline stabilization.

Atrium West Parking Rehab, CB Richard Ellis, Inc. – *Rolling Meadows, Illinois* | Construction Manager for this 16,000-square-yard parking lot mill and overly. Jim was responsible for supervising two subconsultants as well as self performing storm sewer improvements. He also prepared bid documents and generated contracts for all subcontractors.

Navistar North Parking Expansion, Navistar, Inc. – *Lisle, Illinois* | Construction Manager for this parking expansion which included removing islands to increase parking spaces as well as 2,650 square yards of asphalt patches and 78,290 square yards of seal coating. Jim self-performed parking lot island removals and supervised the asphalt subcontractors. He also prepared bid documents and generated contracts for all subcontractors.

Cornerstone Parking Lot Renovations, Jones Lang LaSalle Americas, Inc. – *Warrenville, Illinois* | Construction Manager for this 16,000-square-yard parking lot renovation. Jim supervised mill and overlay. He also prepared bid documents and generated contracts for all subcontractors.

Navistar Pavement Assessment & Parking Lot Rehabilitation, Jones Lang LaSalle Americas, Inc. – *Warrenville, Illinois* | Construction Manager for this 49,000-square-foot parking lot rehabilitation. Jim supervised mill and overlay and he was responsible for preparing bid documents and generating contracts for all subcontractors.

Houston Street Utility Replacement & Streetscape Improvement Project, City of Batavia – *Batavia, Illinois* | Construction Manager providing agency construction management services for this improvement project. V3 conceived and implemented the project's delivery system based upon six individual trade contractor packages and an 18-week construction schedule. To meet an aggressive construction schedule, Jim coordinated resolution of unknown dry utility conflicts simultaneously with the installation of new underground utilities including storm sewer, watermain and electrical.

Private Property BMP Evaluation & Design, Metropolitan Water Reclamation District of Greater Chicago – *Justice, Palos Hills & Hickory, Illinois* | Estimator for developing a stormwater best management practice program for private properties in Cook County. Project included public outreach and education, hydraulic and hydrologic modeling, cost estimates and development of detailed drawings. Jim was responsible for developing a detailed cost estimates for the BMPs, including estimates for a single residential property as well as an entire neighborhood or geographic area to provide lower costs due to economies of scale.

**Work performed at previous firm*