

CITY OF WEST CHICAGO

WHERE HISTORY & PROGRESS MEET

INFRASTRUCTURE COMMITTEE

**Thursday, August 4, 2022
7:00 P.M. – City Council Chambers**

AGENDA

1. Call to Order, Roll Call, and Establishment of a Quorum
2. Approval of Minutes
 - A. Infrastructure Committee of June 2, 2022
3. Public Participation / Presentations
4. Items for Consent
 - A. Resolution No. 22-R-0039 – Contract Award – Thomas Engineering Group, LLC for Construction Engineering Services Related to the Lift Station #5 Rehabilitation Project in the Not-to-Exceed Amount of \$75,518.98
 - B. Resolution No. 22-R-0040 – Acceptance of Ingenuity Way and Related Public Improvements – DuPage Airport Authority
 - C. Resolution No. 22-R-0041 – Contract Award – RJN Group, Inc. for the 2022-2023 Sanitary Sewer Evaluation Survey (SSES) Program in the Not-to-Exceed Amount of \$232,588.36
 - D. Resolution No. 22-R-0043 – Award Contract for Professional Engineering Design Services Related to the 2023 SSES Repair Program to RJN Group, Inc. in the Not-To-Exceed Amount of \$53,548.00
 - E. Resolution No. 22-R-0044 – Contract Award – Security Camera System Upgrade 2022 – Current Technologies Corporation – Amount Not to Exceed \$70,967.84.
 - F. Resolution No. 22-R-0045 – Adopt-A-Highway Program – West Chicago Garden Club
 - G. Resolution No. 22-R-0046 – Contract Award – V3 Construction Group, LTD for the Special Service Area#2 Storm Outfall Repair Project in an Amount Not to Exceed \$83,830.00
5. Items for Discussion
 - A. 2022 Pavement Evaluation Report
6. Unfinished Business
7. New Business
8. Reports from Staff
9. Adjournment

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Ruben Pineda
MAYOR
Nancy M. Smith
CITY CLERK

Michael L. Guttman
CITY ADMINISTRATOR

CITY OF WEST CHICAGO

WHERE HISTORY & PROGRESS MEET

Draft

MINUTES INFRASTRUCTURE COMMITTEE

June 2, 2022 7:00 P.M.

1. **Call to Order, Roll Call, and Establishment of a Quorum.** Chairman Beifuss called the meeting to order at 7:00 P.M. Roll call found Aldermen James Beifuss, Heather Brown, Sandra Dimas, Matt Garling, Joe Morano, and Jeanne Short present. Alderman Alton Hallett was absent.

Staff present included Director of Public Works Mehul Patel and Administrative Assistant Ashley Heidorn.

2. **Approval of Minutes**

A. **Infrastructure Committee Minutes of May 5, 2022.** Alderman Morano made a motion, seconded by Alderman Garling to approve the Meeting Minutes of May 5, 2022.

Roll call found the vote unanimous for approval. Voting Yea: Aldermen Beifuss, Dimas, Garling, Morano, and Short. Voting Nay: 0. Abstaining: Alderman Brown.

3. **Public Participation / Presentations.** None.

4. **Items for Consent.** Alderman Dimas requested discussion on Consent Item B. Alderman Brown made a motion, seconded by Alderman Dimas to approve:

- A. Purchase of Road Salt from Morton Salt, Inc. of Chicago, Illinois, for the 2022-2023 Winter Season
- C. Resolution No. 22-R-0029 – Change Order No. 1 and Final – Berglund Construction Company for the Structural Rehabilitation Project at 200 Main Street
- D. Resolution No. 22-R-0031 – Change Order No. 1 – Berglund Construction Company for the Masonry Rehabilitation Project at 200 Main Street

Roll call found the vote unanimous for approval. Voting Yea: Aldermen Beifuss, Brown, Dimas, Garling, Morano, and Short. Voting Nay: 0.

5. **Items for Discussion.**

4.B. Ordinance No. 22-O-0021– Authorizing the Disposal of Surplus Equipment, Stock Inventory, and/or Personal Property Owned By the City of West Chicago. Mr. Patel noted that one additional item was to be added to the disposal list for approval. **Alderman Dimas made a motion, seconded by Alderman Morano to approve.**

Roll call found the vote unanimous for approval. Voting Yea: Aldermen Beifuss, Brown, Dimas, Garling, Morano, and Short. Voting Nay: 0.

5.A. Discussion of Sanitary Sewer System Evaluation Survey (SSES). Mr. Patel explained that in 2010 the City completed its first professional services contract to perform a Sanitary Sewer Evaluation Survey (SSES). The primary purpose of an SSES is to find defects in the sanitary sewer collection system to reduce the Inflow and Infiltration (I/I). Five additional SSES studies were conducted in the years following 2010, which identified defects in the system. Some of these defects have been addressed but a majority are still outstanding. As of May 2021, the repair costs on the public side are estimated to be \$5.8 million and \$2.1 million on the private side. I/I is water that ultimately makes its way to the Wastewater Treatment Plant (WWTP) but does not need to be treated. It jeopardizes the sanitary sewer collection system by reducing the capacity of the pipes. The additional flow can also result in flooding and basement backups, which can lead to the need for larger sewers and/or treatment plant capacity expansion, as well as increased sewer fees to offset the additional WWTP operations costs. Mr. Patel explained that the current options are to do nothing (not feasible), address deficiencies on the public side, or address both public and private deficiencies. He recommended addressing deficiencies on the public side, including sanitary sewer cured in place pipe, manhole lining, and 5-foot lateral lining. Following discussion, the Committee agreed that would be their recommendation, along with some investigation into select private locations

6. Unfinished Business. None.

7. New Business. Alderman Short inquired about why the City does not have CTA/Pace busses. Alderman Dimas stated that it was looked into several years ago and determined that at the time, based on population and proximity to shopping centers, the City was not deemed an appropriate location to utilize the public buses. She also noted that circumstances have changed significantly since that time. Mr. Patel commented that participation is typically based on ridership, which the CTA studies to determine routes and schedules. He advised that he would make a call to Pace to inquire.

8. Reports from Staff. Mr. Patel noted that the Stockberry Ln., Grove Ave., and Ingalt Hill Estates Area Resurfacing Project began on May 27, with completion anticipated in late June or mid-July. The Booster #4 & #8 project is also ongoing, with the end of July being targeted for completion. Parkway tree planting and street striping are both complete, while the crack sealing is about 1/3 complete. The contractor for the Fair Meadows Subdivision Rehabilitation Project is still working through an issue with their SAM.gov registration before they can start that project. Staff also looked into the possibility of a chair lift at the Main Street level for 200 Main,

but it was determined that it would not be feasible due to size/space requirements, and the original plan for the ramp would remain. Mr. Patel also announced there would be no Committee meeting in July.

9. Adjournment. At 7:56 P.M., Alderman Short made a motion to adjourn, seconded by Alderman Brown. Motion was unanimously approved by voice vote.

Respectfully submitted,

Ashley Heidorn
Administrative Assistant of Public Works

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 22-R-0039 - Contract Award – Thomas Engineering Group, LLC for Construction Engineering Services Related to the Lift Station #5 Rehabilitation Project in the Not-to-Exceed Amount of \$75,518.98.

AGENDA ITEM NUMBER:4.A.**COMMITTEE AGENDA DATE:** August 4, 2022**COUNCIL AGENDA DATE:** August 15, 2022**STAFF REVIEW:** Mehul T. Patel, P.E., CFM, Director of Public Works**SIGNATURE** _____**APPROVED BY CITY ADMINISTRATOR:** Michael L. Guttman**SIGNATURE** _____**ITEM SUMMARY:**

The City's Sanitary Lift Station #5 and associated forcemain (located at 344 S. Neltnor Boulevard, behind the Burger King restaurant) design engineering that began in 2018 was completed in April 2022. The scope of work includes approximately 1,000 lineal feet of new sanitary forcemain, new wet well, pumps, electrical upgrades, mechanical upgrades, on-site generator, and a new building to house all the lift station equipment. The invitation to bid was advertised in the Daily Herald and on an online platform QuestCDN on April 5, 2022, and bids were opened on April 26, 2022. The City Council awarded the construction contract to Integral Construction, Inc. (Integral) on May 16, 2022 (Resolution No. 22-R-0027). Staff recently held a pre-construction meeting with Integral staff on June 22, 2022. Due to material related shortages and delays, the earliest Integral anticipates to begin working is November 2022. Depending on the start date, the project is anticipated to be completed in fall of 2023.

Integral has begun to provide material submittal for review and approval prior to placing orders. Typically, the contractor on such projects will submit a list of materials to be reviewed by the owner to ensure they meets the design specifications. Once the submittal has been reviewed and approved by the owner the contractor will place the order for those items. In order to assist with reviewing of materials per the contract specifications and to provide onsite construction oversight, City staff solicited proposals from four engineering firms. After careful review of each proposals, staff's recommendation is to utilize Thomas Engineering Group, LLC (TEG) for construction oversight. TEG has provided similar services for the Lift Station #1. TEG has also committed to providing the same key personnel to the Lift Station #5 project. Based on its knowledge, past experience and familiarity with City's construction standards, staff believes TEG is the most qualified firm to provide such services.

TEG has submitted a proposal in the amount not to exceed \$75,518.98, which represents 4.9% of the construction contract value of \$1,531,999.31. Typically, for locally funded projects which doesn't involve any type of grant funding, construction oversight costs are in the range of 8-10%.

In FY2022, \$163,000.00 has been budgeted in the Sewer Funds (05-34-43-4806) for construction oversight services related to this project.

CITY OF WEST CHICAGO

ACTIONS PROPOSED:

Approve Resolution No. 22-R-0039 authorizing the Mayor to execute a contract with Thomas Engineering Group, LLC for Construction Engineering Services related to the Lift Station #5 Rehabilitation Project for a contract amount not to exceed \$75,518.98.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 22-R-0039

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE
A CONTRACT WITH THOMAS ENGINEERING GROUP, LLC FOR
CONSTRUCTION ENGINEERING SERVICES RELATED TO THE
LIFT STATION #5 REHABILITATION PROJECT**

BE IT RESOLVED by the City Council of the City of West Chicago, in regular session assembled, that the Mayor is hereby authorized to execute a contract with Thomas Engineering Group, LLC for Construction Engineering Services related to the Lift Station #5 Rehabilitation Project for a contract amount not to exceed \$75,518.98, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 15th day of August 2022.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

Deputy Clerk Valeria Perez



Revised July 12, 2022

Mr. Mehul T. Patel, P.E., CFM
Director of Public Works
City of West Chicago
1400 Hawthorne Lane
West Chicago, IL 60185

corporate office: 238 south kenilworth avenue
suite 100
oak park, illinois 60302

branch offices: 2625 butterfield road
suite 209w
oak brook, illinois 60523

762 shoreline drive
suite 200
aurora, illinois 60504

Re: Construction Engineering Services Proposal
Lift Station No. 5 and Force Main Replacement Project

Dear Mr. Patel:

Thank you for providing Thomas Engineering Group, LLC (TEG) with the opportunity to assist you with the above referenced Project. TEG respectfully submits a proposal for professional Phase III construction engineering services. In this Proposal, we have provided our understanding of the project and our proposed engineering scope of services and fees based on our review of the contract documents, familiarity with the project, and discussions with City staff.

TEG has the necessary expertise to provide construction engineering services for lift station rehabilitation and replacement projects and underground infrastructure projects. Our municipal staff recently completed the design and construction oversight of a lift station rehabilitation project in the City of Joliet, provided construction inspection of a new lift station in the Village of Channahon, performed a plan review of a new pumping station in the City of Lockport, and provided construction inspection for the City's own Lift Station No. 1 Replacement Project.

We are confident that with our abilities, knowledge, and resources we will be able to exceed the City's expectations on this important Project. TEG will provide the City with the same dedication to service, expertise, innovation, and value that has enabled us to serve our clients and concurrently grow our company. We are truly excited about the opportunity of working on this project and look forward to answering any questions you may have about our firm, staff or experience.

If you have any questions or require additional information, please call me at (847) 815-9500 or by e-mail at kevinv@thomas-engineering.com.

Sincerely,

thomas engineering group, llc

Kevin C. VanDeWoestyne, P.E., ENV SP
Municipal Department Head

cc/email: Rocky Horvath, Utility Superintendent, City of West Chicago
Douglas Masters, Project Manager, Thomas Engineering Group, LLC



**Proposal for Phase III Construction Engineering Services
Lift Station No. 5 and Force Main Replacement Project**

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Thomas Engineering Group, LLC (TEG) respectfully submits this Proposal to the City of West Chicago to provide Phase III Construction Engineering Services for the Lift Station No. 5 and Force Main Replacement Project (Project). As the City's consulting engineer and provider of Phase III construction engineering services for the City's Lift Station No. 1 Replacement Project, TEG is extremely well suited for this Project and will provide the City with outstanding service and exceptional value. Our staff's unique qualifications and local, relevant experience make TEG an excellent partner. Based on firm and staff experience, TEG fully understands this Project and the key processes to successfully manage lift station and force main replacement projects.

PROJECT TEAM

We have an excellent understanding of this Project and have developed a complete team that has the experience and skills needed to make this Project a success. TEG has committed our best fit personnel to this Project. Our team members have excellent experience in performing construction inspection services on similar projects. Our Project Principal, Kevin VanDeWoestyne, P.E., is familiar with the Project and local policies and procedures. Our Project Manager, Jeffrey Klein, P.E. has managed numerous construction projects throughout the City of West Chicago.

TEG has assembled a construction team with members that have substantial relevant experience and are experts in utility construction, construction staging, restoration, and contractor oversight. Our proposed Resident Engineer, Stephen VanDeveer has direct experience with supervising lift station replacement projects including the City's own Lift Station No. 1 Replacement Project. TEG is proposing to have our Resident Engineer, Stephen VanDeveer, and his support staff oversee all critical underground sanitary sewer, force main installation, existing utility abandonment, final restoration, and documentation of contract quantities.

STEPHEN VANDEVEER, PRIMARY RESIDENT ENGINEER

Mr. VanDeveer is a Construction Manager and ISA certified arborist with phase I, II, and III experience in construction management and environmental work. He has over 17 years of experience involving vegetation management and installation, tree surveys, landscape design, roadway, bridge, and utility construction. He has specialized experience and training in tree risk assessment, tree health maintenance during construction, and erosion and sediment control management. As a construction management technician, he also has experience with water main, sanitary sewer, and storm sewer installation, sanitary lift station and booster station construction, sanitary force main, various storm water detention systems, HMA and PCC pavement construction, pavement patching, PCC and latex concrete bridge deck construction, steel and concrete bridge beam repairs, bridge substructure construction and repairs, precast pedestrian tunnel installation, concrete box culvert installation, earth excavation, trench backfill, furnished excavation, PCC sidewalk, stamped/dyed concrete sidewalk, curb and gutter, guardrail, striping, specialized tank and pipe painting, and traffic control and protection.

Stephen VanDeveer will lead this project for TEG. He will be supported by the following construction inspection support team as necessary:



**Proposal for Phase III Construction Engineering Services
Lift Station No. 5 and Force Main Replacement Project**

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KEVIN VANDEWOESTYNE, P.E., ENV SP, PROJECT PRINCIPAL

Kevin VanDeWoestyne, P.E., ENV SP, Municipal Department Head, will serve as the primary client liaison. His experience with municipal underground utility improvements and familiarity with City staff make him an excellent fit and he and his team are available for this Project.

JEFFREY KLEIN, P.E., PROJECT MANAGER

Mr. Klein is registered professional engineer with nearly 20 years of experience involving municipal and highway design and construction. He has extensive knowledge and wide range of experience with construction inspection. His responsibilities include observation and documentation of urban and rural roadway improvements and underground utility projects.

GRANT JOHNSON, SECONDARY RESIDENT ENGINEER

Mr. Johnson is a project engineer with over 8 years of engineering experience involving federally funded and locally funded municipal projects and IDOT projects involving preliminary studies and planning, design, and construction management and inspection. He has field experience and knowledge in roadway and bridge reconstruction, bituminous and concrete paving, high friction surface treatment overlays, surveying, landscaping, drainage, earth excavation, structural construction, and lighting.

JEFF ANDRZEJEWSKI, CONSTRUCTION INSPECTOR

Mr. Andrzejewski is a construction inspector in the Municipal Department. His experience includes the inspection of municipal roadway and utility construction, overseeing such aspects as roadway resurfacing, roadway reconstruction, HMA paving, PCC paving, water main installation, storm sewer installation, sanitary sewer installation, sidewalk installation, and curb and gutter installation.

JAKE KELLEY, CONSTRUCTION INSPECTOR

Mr. Kelley has over 7 years of construction experience in construction management and inspection. He has knowledge, experiences pertaining to municipal, private projects, IDOT, and Tollway. He's experience is with reconstruction projects as well as with bituminous and concrete paving, earth excavation, landscaping, storm sewer, water main, sanitary sewer, cleaning and televising storm sewers, sign fabrication and installation, and more. Specific responsibilities include documentation of construction activities and contract quantities, plan review, submittal review, and quantity verification.

PROJECT UNDERSTANDING

The City's Lift Station #5 is located near the Metra Station in a mixed residential and commercial area of West Chicago. The construction limits of the Project include Lift Station #5 and the existing force main, between the existing lift station and the intersection of Main Street and Wilson Avenue, located approximately 600 feet south/southwest of the intersection of Main Street and IL Route 59.

The engineering plans and final bid documents were prepared by RJN Group. The City of West Chicago is currently seeking bids for the Project. According to the contract documents and based on our familiarity with the history of the lift station and associated force main, the Project consists of plugging and abandoning the existing lift station structures and



Proposal for Phase III Construction Engineering Services
Lift Station No. 5 and Force Main Replacement Project
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demolishing the existing wet well control building, constructing a new precast concrete manhole sanitary lift station (wet well) structure, and a new prefabricated lift station control building. The proposed sanitary lift station (manhole wet well) will be constructed of precast concrete manhole enclosure with an 8-foot wide inside diameter. In addition, the Project includes the construction of a proposed lift station control building, which consists of a one (1) story prefabricated building on a structural concrete slab, similar to Lift Station No. 1.

The lift station components include, but are not limited to, two (2) 8.5 HP submersible pumps - Flygt Model NP3127MT, 8' diameter wet well, including hatch and cover, 9' precast concrete valve vault and quick connect bypass structure, prefabricated duplex pump control building, electrical improvements for submersible pump station and grinder pump station, SCADA communication, generator, and removal of the existing lift station and site restoration.



The scope of work includes 1,080 feet of 8" horizontal directionally drilled HDPE force main, 130 feet of 8" HDPE force main within drilling and receiving pits, 115' feet of 8" PVC sanitary sewer installed by augering, 60 feet of 8" PVC sanitary sewer installed by open cut, 50 feet of 10" PVC sanitary sewer installed by open cut, 50 feet of 1" PVC force main installed by open cut, and 15 feet of 6" PVC sanitary service. The project also includes 560 linear feet of Cured-In-Place Pipelining (CIPP) of the existing 10" diameter sanitary sewer, seven (7) lateral reinstatements, and one (1) protruding tap.



**Proposal for Phase III Construction Engineering Services
Lift Station No. 5 and Force Main Replacement Project**

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Due to the proximity of the work to the Metra train station depot, parking lot, Metra tracks, and the intersection of Main Street and Wilson Avenue, maintenance of vehicular and pedestrian traffic will be challenging. The contractor is to keep access open to the train station depot at a times for vehicles, bicycles, pedestrians etc. If required, Contractor shall set up a detour to access the train station depot. TEG will coordinate with the contractor to maintain access to the Metra parking lot and provide construction related information in the City's preferred format.



The recommended sequence of construction, according to the bid documents, for the Lift Station #5 replacement is as follows:

1. The Contractor shall set-up on the existing sewer line and test the temporary bypass pumping and demonstrate satisfactory operation.
2. The Contractor shall complete site clearing and fencing within the limits of construction.
3. The Contractor shall install a new sanitary manhole on the existing incoming sanitary sewer. The Contractor shall then install another new sanitary manhole just upstream of the proposed wet well and replace the sewer between the two new proposed sanitary manholes. Once completed, the Contractor shall install a plug in the new sewer line that goes to the new wet well. The existing lift station shall remain in operation until stage 5.
4. The Contractor shall install the proposed wet well, valve vault, quick connect vault and piping.
5. The Contractor shall install the proposed force main.



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Lift Station No. 5 and Force Main Replacement Project**

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6. The Contractor shall construct the foundation of the prefabricated building.
7. The Contractor shall set the new prefabricated building and complete electrical work to connect all required wiring to the new building, pump control panel, and PLC cabinet. The prefabricated building shall be delivered complete with generator, new pump control panel, PLC, and miscellaneous items pre-installed.
8. The Contractor shall coordinate with ComEd for the new meter and energizing the new service to the building. The Contractor shall coordinate with NICOR for a new gas service and meter to be installed and gas piping connected to the new stand-by generator.
9. The Contractor shall reconnect the existing transformer to the existing control panel located outside of the existing control building.
10. The Contractor shall install the grinder pump at the train station with all the electrical work complete and connect the pump discharge to the proposed force main.
11. Once the new gas service is ready the new natural gas generator and automatic transfer switch shall be tested and approved for operation.
12. The Contractor shall install, test and commission the proposed 8.5HP submersible pumps in the new wet well.
13. The Owner will take the existing lift station out of service.
14. The Contractor will begin site work demolition operations and demolition of the existing control building. The Contractor shall fill the existing wet well and remove the steel septic tank at the train station.
15. The Contractor shall perform grading of the existing site.
16. Upon approval of all site work, mechanical piping, pump testing, and generator testing the work of the Contractor shall be considered substantially complete.
17. The Contractor shall then complete remaining site work (sidewalk, driveway, landscaping, fence, gate, etc.)



SCHEDULE

1. It is anticipated that construction activities will begin in November 2022, however, the majority of work is expected to take place in 2023, beginning in the spring.
2. The substantial completion for the project shall be on or before 150 calendar days after Notice to Proceed.
3. The final completion for all other ancillary work, including landscaping restoration or plantings, not including, any additional work, shall be completed and ready for final acceptance and payment on or before 180 calendar days after Notice to Proceed.
4. It is anticipated that all construction activities will be completed by September 2023.



SCOPE OF SERVICES

TEG is proposing to provide the following construction engineering services to City:

Pre-Construction Phase

1. Conduct a kick-off and pre-construction conference with the contractor, the City and other applicable parties. Obtain from the contractor a list of proposed suppliers and subcontractors, and emergency contact information for the prime and subcontractors.
2. Provide meeting minutes to all parties following the meeting including a contact list for all contractors, subcontractors, material suppliers, and TEG personnel.
3. Review contractor's schedule for compliance with contract. Our RE will track actual progress in relation to the approved schedule and hold ongoing discussions with the contractor regarding his progression of work.
4. **Prepare and distribute construction notifications, construction newsletters, website posting, etc. for distribution to the City, City agents, Metra, and other affected parties.**
5. **Review signage and MOT plan prior to construction to ensure construction signage for motorists and pedestrians are clear.**
6. Set up field books, quantity book, diary and other forms of documentation.
7. Check and approve or reject and request re-submittal of any submittals made by the contractor for compliance with the contract documents.
8. TEG anticipates working directly with ComEd, City staff, and the successful bidder to coordinate the new electrical service.

Construction Phase

1. Observe the progress and quality of the executed work. Determine if the work is proceeding in accordance with the Contract Documents. TEG will maintain daily contact with City, keeping the City informed of the progress of the work, guard the City against defects and deficiencies in the work, advise the City of all observed deficiencies of the work and disapprove and reject all work failing to conform to the Contract Documents.
2. Review contractor's schedule on a regular basis and update progress schedule. TEG will compare actual progress to contractor's approved schedule. If progress falls behind, we will work with contractor to take appropriate action to get back on schedule.
3. Provide liaison functions to facilitate coordination of utilities (ComEd). Maintain contact with utility companies as frequent as necessary and monitor their contractor's compliance with proposed schedules. Verify that adjustments or relocations are clear of proposed improvements.
4. Provide on-site observations of the work in progress and field checks of contractor methods, materials and equipment through the Resident Engineer or Inspector, who will:
 - Serve as the City's liaison with the contractor working principally through the contractor's field superintendent.
 - Be present during critical components of work.
 - Alert the contractor's superintendent when any work is being performed prior to acceptance of shop drawings or samples and advise the City when it is necessary to disapprove any work failing to conform to the contract documents.
 - Monitor and document erosion control and ensure conformity with the plans and standards.
 - Keep an inspector's daily report book, recording hours on the job site, weather



**Proposal for Phase III Construction Engineering Services
Lift Station No. 5 and Force Main Replacement Project**

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conditions, general and specific observations, daily activities, quantities placed, inspections, decisions, and list of visiting officials.

- Attend all construction conferences. Arrange a schedule of progress meetings and other job conferences as required. Maintain and circulate copies of records of the meetings.
- Ensure layout is accurate and complete.
- Maintain orderly files of correspondence, reports of job conferences, shop drawings, contractor's request for information, and other submissions, reproductions or original contract documents including all addenda, change orders and additional drawings issued subsequent to the award of the contract.
- Prepare payment requisitions and change orders. Review applications for payment with the Contractor for compliance with established submission procedure and forward them with recommendations to the City.
- Maintain a set of working drawings, updated regularly, to show final elevations and locations of all underground.
- Conduct a final inspection with the City and prepare a final punch list of corrective or incomplete work.
- Verify that all items on the final list have been corrected and make recommendations to the City concerning project acceptance.

Post-Construction and Project Close-Out

1. The Resident Engineer shall deliver a draft of the record drawings for the underground utilities within one month of the substantial completion of the construction of the underground utilities.
2. Deliver job boxes and all project records to the City.
3. TEG will provide record drawings and weekly reports in accordance with City's requirements.

FEES

It is anticipated that construction will tentatively begin in early June, following contract award, execution, and preconstruction meeting. According to the engineer's estimate of time, 150 calendar days are required to complete all site civil and utility work shown on the final engineering plans. Our not-to-exceed fee estimate, provided herein, includes construction engineering hours based on having a full-time Resident Engineer and support staff over a period of 150 calendar days (approximately 21 weeks) to oversee the construction of the Lift Station No. 5 and Force Main Replacement Project. It is anticipated that all construction activities will be completed by September 2023.

The following pages, rates, and tables represent what TEG has developed in terms of a design engineering cost estimate. We have utilized an IDOT standard Cost Estimate of Consultant Services (CECS) and discounted 2.60 Direct Labor Multiplier (DLM) method of compensation, as outlined in the 10-year engineering agreement. While we believe that this estimate accurately reflects our best effort at understanding the scope of work as described in our proposal, we understand that the City may interpret the scope differently and may seek to add, subtract, or modify the scope or level of effort contained herein. We look forward to being selected by the City and can negotiate the scope and effort to meet the exact expectation of the City.



Proposed Hourly Not-to-Exceed Engineering Fee = \$75,518.98

Please refer to the following pages for greater detail of our cost proposal.

We look forward to answering any questions that you may have about our firm, staff, or experience. If you have any questions, or require additional information, please feel free to contact me direct at (847) 815-9500 or via email at kevinv@thomas-engineering.com.

In advance, thank you for your consideration.

Sincerely,
thomas engineering group, llc



Kevin VanDeWoestyne, P.E., Env. Sp.
Municipal Department Head



STEPHEN VANDEVEER

ISA Certified Arborist, QCSI

Resident Engineer

roadway, bridge, and utility construction. He has specialized training in tree risk assessment, tree health maintenance during construction, and erosion and sediment control management. He also has experience with water main, sanitary sewer, and storm sewer installation, sanitary lift station and booster station construction, sanitary force main, various storm water detention systems, HMA and PCC pavement construction.

Mr. VanDeveer is an ISA Certified Arborist with Phase I, II, and III experience in construction management and environmental work. He has over 15 years of experience involving vegetation management and installation, tree surveys, landscape design,

PROJECT EXPERIENCE

PHASE III, 2021 PRIVATE DEVELOPMENT PROJECTS, VILLAGE OF CHANNAHON – Project manager in charge of all public improvements associated with private developments for the Village of Channahon. Inspections included utility construction and connections for both commercial and residential developments, roadway construction, and the construction of a new storm sewer lift station. Developments included:

- Channahon Town Center Unit 4 Residential Development
- Venture 1 Phase 2 Site Development
- Exchange Boulevard Extension
- Creekside Residential Development
- Whispering Oaks Residential Development
- Game Changers Water Service
- Bell Road Water Service

PHASE III, 2020 PRIVATE DEVELOPMENT PROJECTS, VILLAGE OF CHANNAHON – Project manager in charge of all public improvements associated with private developments for the Village of Channahon. Inspections included utility construction and connections, roadway widening and reconstruction, traffic signal installation, and the construction of a new sanitary lift station. Developments included:

- Speedway Gas Station Site Development, and Water/Sanitary Improvements
- Amazon Site Development
- Bradley Avenue and Amoco Road Widening and Reconstruction
- Love's Truck Stop Site Development
- Bluff Road Widening and Signalization
- Peninsula Drive and Dollar General Site Development

PHASE II AND III, SHOREWOOD CROSSROADS PLAZA, SHOREWOOD, ILLINOIS, CROSSROADS MANAGEMENT, LLC – CM Project Manager and Arborist. TEG provided Phase II engineering services for a private developer for this site improvement located in western Will County. Individual responsibilities included tree survey and landscape design. Following the successful completion of the Phase II portion of this project, the client selected TEG to perform Phase III, which involved coordination with the client, various site contractors, building contractors, Village of Shorewood, and tenants of affected businesses. Phase III scope included significant earth excavation, retaining wall construction, drainage improvements, underground detention system, utility connections, and parking lot and pedestrian facility improvements. The new site layout accommodated additions to one existing building including adding a drive-thru, and new building.



EDUCATION

Eastern Illinois University
Charleston, IL
Bachelor of Fine Arts

PROFESSIONAL REGISTRATIONS

ISA Certified Arborist IL-9190A
ISA TRAQ Certified, Tree Risk Assessment Qualified

PROFESSIONAL ASSOCIATIONS

IRTBA Landscape and Erosion and Sediment Control
Subcommittee Member

Minooka Forestry Commission
Arborist

SELECTED CONTINUING EDUCATION

IDOT QC/QA Program
Documentation of Contract Quantities
(#18-13329, exp. 02/01/2022)
IDOT Erosion and Sediment Control Certified Inspector
IAA Winter Tree ID Advanced Training
IAA Summer Tree ID Advanced Training
APWA Tree Maintenance & Urban Forestry Advanced Training
OSHA
30 Hour Construction Certified
LAKE COUNTY, IL
Designated Erosion Control Inspector (DECI)
AMERICAN STORMWATER INSTITUTE
Qualified Construction Stormwater Inspector (QCSI)



PHASE I/II, WILLIAM TIKNIS CAMPUS EXPANSION PROJECT, HANOVER TOWNSHIP – Arborist. This project includes the development of a 17.5-acre lot to include an emergency services station, future public works facilities, and cemetery operations. TEG is providing topographic site survey of the heavily wooded property, tree survey, wetland delineation, landscape design, drainage design including green infrastructure considerations, landscape design, roadway design, utility design, trail design, the preparation of construction documents, and bidding assistance to the Township.

PHASE III, CROW HOLDINGS INDUSTRIAL, VILLAGE OF CHANNAHON – Lead inspector. TEG provided construction inspection and observation for the Village of Channahon on this development which included the construction of a 252,208 square foot building. Utility improvements included water main extension, water main pressure connections, storm sewer, sanitary sewer, and detention basin construction. As part of this development, the existing Frontage Road along Interstate I-55 was abandoned, and a new HMA road was constructed and rerouted around this new warehouse.

PHASE III, RIDGELINE PROPERTY GROUP ROUTE 6 BUSINESS CENTER, VILLAGE OF CHANNAHON – Lead inspector. TEG provided construction inspection and observation for the Village of Channahon on this development which included the construction of a 441,872 square foot building. Improvements included water main extension and connections, storm sewer installation, sanitary sewer, detention basin construction, PCC curb and gutter, and sidewalk. Challenges included directional drilling and encasing sanitary sewer under Illinois Route 6.

PHASE III, VENTURE-1 CROSSROADS DEVELOPMENT, VILLAGE OF CHANNAHON – Lead Inspector. TEG provided construction inspection and observation for this Development, by Venture One Real Estate, which consists of a 300-acre business park that will create approximately 4.3 million square feet of industrial space. Phase 1 of this initial project included the construction of a 1,100,000 square foot building, a water main extension, and the reconstruction of East Frontage Road. Infrastructure improvements included extensions of the water main and sanitary sewer recently installed as part of a development to the south, and storm sewer detention as well as the extension of Village services to the property. Challenges included directional drilling and encasing water main and sanitary sewer under high pressure gas main.

PHASE III, IDI GAZELEY CHANNAHON CORPORATE CENTER, VILLAGE OF CHANNAHON – Lead Inspector. TEG provided construction inspection and observation for the Village of Channahon during this IDI development. Corporate Center is a 100 acre development including a 100,000 square foot building in the first phase. Work included the construction of a new public roadway, and rehabilitation of existing Bluff Road. Utility improvements included construction of a new sanitary lift station, gravity sanitary sewer, sanitary force main, water main extension, storm sewer, and several detention basins including native seed mix plantings and maintenance. Challenges included directional drilling and encasing sanitary sewer under existing railroad through native bedrock.

PHASE III, CHANNAHON TOWN CENTER AND ST. ELIZABETH RESIDENCE, VILLAGE OF CHANNAHON– Lead Inspector. TEG provided construction observation and inspection for this four building multi-story senior housing development with room for future expansion, a club house, and outlots. This project also included preliminary work for expansion of nearby St. Anne's Church and is located directly across the street from Channahon Village Hall. Work included rehabilitation of existing St. Elizabeth and St. Ann roads, sanitary sewer and water main extensions, storm sewer, multiple detention basins, dry well installation, PCC curb and gutter, and sidewalk.

PHASE III, THORNTON'S DEVELOPMENT AND WEST FRONTAGE ROAD IMPROVEMENT, BLUESTONE DEVELOPMENT, VILLAGE OF CHANNAHON – Resident Technician. The Bluestone Development is a 13 acre commercial site located at the northwest corner of the US Route 6/Interstate 55 interchange and consists of the planned unit development of a Thornton's gas station, convenience store, business outlots, and realignment of the NW Frontage Road. Our role was to provide overall monitoring of construction activities and to serve as the Owners Representative to the Village of Channahon for the Thornton's Phase I Development and West Frontage Road Improvement. TEG performed construction inspection of all site utilities including water main, sanitary sewer, storm sewer, and street lighting, and all US Route 6 and West Frontage Road roadway improvements including 0.4 miles of new combination concrete curb and gutter and 10" PCC Jointed Pavement. A key element included the installation of a cast-in-place retention vault for underground stormwater detention.

PHASE III, I-88 LANDSCAPE PLANTING IMPROVEMENTS CONTRACT RR-18-4442, ILLINOIS STATE TOLL HIGHWAY AUTHORITY – Resident Engineer and Arborist. TEG provided Phase III RE services, construction inspection, and preparation of contract documents on this landscape improvements on mainline I-88 from mile post 76.5 to 91.62. This was part of a broader initiative by ISTHA to plant over 58,000 trees network wide. Work on this contract included tree and shrub plantings, dense tree plantings, herbicide application, various seed mix prep, planting, and maintenance, woody plant monitoring, maintenance mowing, erosion and sediment control, temporary construction entrances, and maintenance of traffic. The maintenance and monitoring of installed trees and shrubs is also required during an extended establishment period.



GRANT JOHNSON

Resident Engineer

Mr. Johnson is a project engineer with over 8 years of engineering experience involving federally funded and locally funded municipal projects and IDOT projects involving preliminary studies and planning, design, and construction management and inspection. He has field experience and knowledge in roadway and bridge reconstruction, bituminous and concrete paving, high friction surface treatment overlays, surveying, landscaping, drainage, earth excavation, structural construction, and lighting.

PROJECT EXPERIENCE

PHASE I, II, AND III, SCHMALE ROAD WATER MAIN PROJECT, VILLAGE OF CAROL STREAM – Resident Engineer. This project involved Phase I and II study and design of this \$3M Schmale Road Water Main Replacement Project. TEG's scope of services consisted of alternatives analysis and determination of the preferred alignment for removal and replacement of approximately 7,000 feet of old 10" and 12" deteriorated water main with poly-wrapped ductile iron water main along with new valves and hydrants on Schmale Road (DuPage CH 36), between St. Charles Road (DuPage CH 7) and Geneva Road, and St. Charles Road, between Schmale Road and President Street. The work included PVC water main installation, water main abandonment, water service line replacement, new fire hydrants, horizontal directionally drilled water main, boring and jacking, intermittent storm sewer and sanitary sewer service replacement, driveway replacement, pavement patching, parkway landscaping, and all incidental and collateral work necessary to complete the project as shown on the plans and associated bid forms. The total approximate length of the improvement is approximately 7,000 feet (1.33 miles). TEG was also hired by the Village to provide Phase III construction engineering services.

PHASE III, HICKORY COVE RECONSTRUCTION PROJECT, VILLAGE OF FOX LAKE – Resident Engineer for the reconstruction of Hickory Street, Elm Street, Cedar Street and North Shore Drive. The project included the reconstruction of existing asphalt roadways. Work included, but was not limited to, asphalt pavement removal that varied from 1 ½ - 5 inches, aggregate base course removal that varied from 4 ½ inches to 15 inches, grading and shaping ditches, turf shoulder installation, aggregate base course placement, hot-mix asphalt paving, landscape restoration, traffic control and protection, and all incidental and collateral work necessary to complete the project as shown on the plans and described herein.

PHASE III, 2019 WATER MAIN REPLACEMENT PROJECT, VILLAGE OF BURR RIDGE – Project Manager/Resident Engineer. The Village of Burr Ridge hired TEG for Phase II and Phase III for this \$1.1M annual water main replacement project for improvements at two (2) locations in Burr Ridge. The 2019 locations included County Line Road (Cook County), County Line Lane in the Carriage Way Subdivision, work along the County Line Road/Carriage Way/N Frontage intersection, and Chasemoor Drive between 79th Street and Foxborough Drive. The scope of work included ductile iron and PVC water main installation, water main abandonment, water service line replacement, new fire hydrants, horizontal directionally drilled water main, boring and jacking, encasement, intermittent storm sewer and sanitary sewer service replacement, driveway replacement, pavement patching, and parkway landscaping. The total approximate length of the improvement is 2,928 feet (0.55 miles). Coordination efforts included public outreach to the Carriage Way Subdivision. Permitting efforts included coordination with the Cook County Department of Transportation and Highways and the IEPA.

thomas
engineering group
service at the highest grade.

EDUCATION

Missouri University of Science
and Technology
Rolla, MO
Bachelor of Science,
Civil Engineering

PROFESSIONAL REGISTRATIONS

Engineer Intern: 2012
No. EI-2012010725

PROFESSIONAL ASSOCIATIONS

Illinois Association of Highway
Engineers

SELECTED CONTINUING EDUCATION

IDOT QC/CQ PROGRAM
Documentation of Contract Quantities
(#20-18102, exp. 12-02-2024)

STTP-S11 HMA Paving & Field
Inspection

STTP-S15 Earth Excavation &
Embankment

STTP-S18 Pavement Patching
STTP-S19 Piling

S-33 Soils Field Testing and
Inspection

S-34 Radiation Safety & Density
of the Nuclear Method

STTP-S46 Small Drainage Structures

STTP-S47 Structural Fasteners
Construction Survey

Hazardous Materials Awareness
Training IDOT Traffic Incident
Management Training

Work Zone Safety & Traffic Control
ICORS Training



PHASE III, WASHINGTON STREET RECONSTRUCTION PROJECT, CITY OF WEST CHICAGO – Assistant Resident Engineer. TEG secured federal funding on behalf of the City by applying for STP highway funding through the DuPage Mayors and Managers Conference. TEG was hired by the City to provide planning, design, and construction engineering services for this \$1.2M STP funded pavement reconstruction project. The project is located on a major thoroughfare in the City's downtown business district and required staged construction, detour plans, and close coordination effort with the residents and businesses along the project corridor. The project also spans the Union Pacific and Canadian National Railroads. Planning efforts included a Life Cycle Cost Analysis of several different pavement maintenance and rehabilitation strategies, which resulted in a reconstruction determination. The project also includes the reconstruction of intermittent sidewalk, ADA compliant ramps, curb and gutter, pavement markings and landscape restoration. TEG is currently providing construction engineering services, which will include documentation of contract quantities, contractor payment requests, and project closeout.

PHASE II AND III, GRAND AVENUE STREET LIGHTING IMPROVEMENTS, VILLAGE OF FOX LAKE – Resident Engineer. TEG was hired by the Village of Fox Lake to provide design and construction engineering services for the first phase of a two phase ornamental street lighting improvement along Grand Avenue. Phase 1 improvements included Grand Avenue, between Pistakee Lake Road and York Street. The project length was approximately 0.50 miles. The project included the removal of existing street lighting and installation of thirty (30) custom, decorative street lighting assemblies. The work consisted of removal and disposal of unsuitable material, installation of concrete and metal helix light pole foundations, decorative street lighting installation, unit duct, lighting controllers, electrical service installation, and final restoration. TEG secured an IDOT Region One Highway Permit for work within IDOT ROW at the intersection of US-12 and Grand Avenue. The final construction cost of the project was under the original contract amount of \$544K.

PHASE III, WARRENVILLE ROAD / 4TH ST. RECONSTRUCTION, CITY OF WARRENVILLE – Construction Inspector. TEG was hired by the city to provide planning, design, and construction engineering services for this \$1.3M MFT funded pavement reconstruction project. The project consisted of removing the existing permeable pavers, pervious base course and sub-base cross section and replacing it with a conventional full-depth HMA pavement for approximately 1 mile between IL Route 56 and Batavia Road. Due to excessive traffic speeds and pedestrian safety concerns, the project also featured traffic calming measures such as landscape median islands, lane narrowing, bike crossing pavement markings, LED stop signs, and stamped crosswalks. TEG provided a traffic study report which identified the needs for additional stop control along the corridor.

PHASE III, SETTLER'S RIDGE SUBDIVISION REHABILITATION PROJECT, SUGAR GROVE, IL – Resident Engineer. As resident engineer for this \$3.2M rehabilitation project, provided construction inspections/observations, layout, measurements, and pay estimates for the Village of Sugar Grove. The project consisted of milling and resurfacing the entire HOA subdivision, as well as 1 mile of Gordon Road South of Galena Blvd. Within the subdivision, ADA ramps, sidewalk, and curb and gutter were removed and replaced to follow current standards. Storm sewer replacement, drainage ditch design realignment, and seeding were also part of the extent of this project for the Village of Sugar Grove. The Village of Sugar Grove and Settler's Ridge HOA were given daily updates and pictures of the project to keep them involved.

PHASE III, MONTGOMERY BUSINESS DISTRICT DEVELOPMENT PROJECT, AUCUTT ROAD, MONTGOMERY, ILLINOIS – Construction Inspector. As on site construction inspector for the development of the Nexeo Solutions Chemical Factory and the American Crystal Sugar production plant, provided construction observations and final inspections for this Montgomery Business District Development Project. Responsibilities included construction inspections and observations of water main, storm sewer, and sanitary sewer installation, HMA and concrete paving, and curb and gutter installation. Pressure testing of water main, as well as sanitary testing were also performed. After completion, final inspections were performed for the Village of Montgomery.

PHASE III, MONTGOMERY OLD DOMINION FREIGHT SHIPPING FACILITY DEVELOPMENT, AUCUTT ROAD, MONTGOMERY, ILLINOIS – Construction Inspector. As on site construction inspector for the development of the Old Dominion Freight shipping facility, provided on site construction inspections for the Village of Montgomery. Responsibilities included inspections and observations of water main, storm sewer, and sanitary sewer installation, as well as HMA and concrete paving. Pressure testing of water main was also performed for the Village of Montgomery.

PHASE III, HMA RESURFACING PROJECT, IL 71, STANDARD, ILLINOIS, ILLINOIS DEPARTMENT OF TRANSPORTATION: DISTRICT 3 – Resident Engineer. As resident engineer for the Illinois Department of Transportation – District 3 on this \$2.2M project, provided construction management, layout, documentation, and inspection for 4 miles of HMA resurfacing on IL 71 between IL 89 and Cedar Point, IL. This project consisted of milling the existing HMA and resurfacing this location of IL 71, along with pavement striping, raised reflective pavement markers, and incidental HMA. Due to drainage concerns with an adjacent HMA shoulder widening project throughout the same location of IL 71, the mainline profile of the road had to be raised, thus milling less in certain areas to allow for proper drainage. Because of the profile change, incidental HMA resurfacing was added to the contract for all side roads throughout the project limits to match the change in elevation with the proposed mainline resurfacing.



EXHIBIT "A"**Schedule of Services and Fees**

Revised 7/12/2022

To: Mr. Mehul T. Patel, P.E., CFM
 Director of Public Works
 City of West Chicago
 1400 Hawthorne Lane
 West Chicago, IL 60185



Thomas Engineering Group, LLC.		Lift Station #5 Replacement Project											TOTAL	
		2022	2023											
		NOV		MAY	JUNE	JULY	AUG	SEPT	OCT	NOV				
CLASSIFICATION	Month Ending RATE	>>> 31-May HOURS		30-Jun HOURS	31-Jul HOURS	31-Aug HOURS	30-Sep HOURS	31-Oct HOURS	30-Nov HOURS	31-Dec HOURS			JOB HOURS	JOB SALARY
PROJECT PRINCIPAL	\$ 70.00	1		1	1	1	1	1					6	\$ 420.00
PROJECT MANAGER	\$ 61.08	4		4	4	4	4	4					24	\$ 1,465.90
RESIDENT ENGINEER (SV)	\$ 51.64	20		20	20	20	20	20					120	\$ 6,197.30
RESIDENT ENGINEER (GJ)	\$ 52.02	20		80	80	80	80	20					360	\$ 18,725.40
SUPPORT STAFF	\$ 37.29				20	20	20						60	\$ 2,237.16
		45		105	125	125	125	45	0	0			570	

Assumptions:

Construction Commencement Spring 2023

Substantial Completion in August 2023

Final Completion in September 2023

SUBTOTAL DIRECT LABOR \$ 29,045.76

In-House Direct Costs	Phones	0.00	Months		@ \$70	\$ -
	Vehicles	0.00	Days		@ \$65	\$ -

TOTAL DIRECT LABOR \$ 29,045.76
 DIRECT LABOR X 2.6 MULTIPLIER \$ 75,518.98
 DIRECT COSTS \$ -

TOTAL Not to Exceed \$ 75,518.98

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 22-R-0040 - Acceptance of Ingenuity Way and Related Public Improvements – DuPage Airport Authority

AGENDA ITEM NUMBER:

4.B.

COMMITTEE AGENDA DATE: August 4, 2022

COUNCIL AGENDA DATE: August 15, 2022

STAFF REVIEW: Mehul T. Patel, P.E., CFM, Director of Public Works

SIGNATURE _____

APPROVED BY CITY ADMINISTRATOR: Michael L. Guttman

SIGNATURE _____

ITEM SUMMARY:

Ingenuity Way, is located in the DuPage Business Center, intersecting Innovation Drive with no outlet. The development consists of public roadway improvements, storm water management facilities, the extension of public utilities (i.e., watermain, water valves, fire hydrants, street lighting, and storm sewer main, parkway trees, etc.).

The Ingenuity Way project was completed in 2021, the developer has satisfactorily completed all required public improvements, and there has been no maintenance issues observed. Typically as part of the acceptance process, the original development security for a project is released and is supplanted by an eighteen (18) month maintenance security per the Subdivision Regulations. The Developer in this case is the DuPage Airport Authority and the City has an agreement with them that we do not require securities from them.

The DuPage Airport Authority has submitted the City's standard acceptance documents (i.e. Deed of Conveyance/Bill of Sale, as-built drawings, etc.) for this development project. Public Works Department staff is not aware of any Liens filed against said development.

Staff recommends that the City Council approve the following:

1. Acceptance of all roadway improvements located within the dedicated public right-of-way on Ingenuity Way as constructed for the DuPage Airport Authority, as the City of West Chicago's ownership and maintenance responsibility.
2. Acceptance of all water distribution system improvements located within a dedicated public right-of-way or dedicated easement area, as installed as part of Ingenuity Way development, as the City's ownership and maintenance responsibility.
3. Acceptance of all storm sewer system improvements located within a dedicated public right-of-way, and/or that portion as necessary to convey drainage from the public right-of-way to a stormwater management facility as located within a dedicated easement area, and as installed for the Ingenuity Way development, as the City's ownership and maintenance responsibility.

Staff from the Department of Community Development and Public Works has inspected the development improvements and recommend acceptance.

ACTIONS PROPOSED:

Approve Resolution No. 22-R-0040 authorizing the acceptance of the Ingenuity Way right-of-way and related public improvements

CITY OF WEST CHICAGO

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 22-R-0040

A RESOLUTION AUTHORIZING THE ACCEPTANCE OF THE INGENUITY WAY RIGHT-OF-WAY AND RELATED PUBLIC IMPROVEMENTS

WHEREAS, Mark Doles, Executive Director for the DuPage Airport Authority has heretofore executed and delivered to the City a certain Deed of Conveyance/Bill of Sale regarding the conveyance of certain public improvements therein, a copy of which is attached hereto and incorporated herein as Exhibit "A".

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of West Chicago, DuPage County, Illinois, in regular session assembled as follows:

Section 1. That the corporate authorities of the City of West Chicago hereby accept the Deed of Conveyance/Bill of Sale attached hereto as Exhibit "A" and Plat of Dedication attached hereto as Exhibit "B" conveying the public improvements located at 2700 Ingenuity Way and the Ingenuity Way right-of-way.

Section 2. That the corporate authorities of the City of West Chicago hereby accept public right-of-way and roadway improvements on Ingenuity Way as constructed for the DuPage Airport Authority, as City of West Chicago ownership and maintenance responsibility.

Section 3. That the corporate authorities of the City of West Chicago hereby accept all water distribution system improvements located within a dedicated public right-of-way or dedicated easement area, as installed for the DuPage Airport Authority development and depicted on Exhibit "B" attached hereto, as City of West Chicago ownership and maintenance responsibility.

Section 4. That the corporate authorities of the City of West Chicago hereby accept all storm sewer system improvements located within a dedicated public right-of-way, and/or that portion as necessary to convey drainage from the public right-of-way to a stormwater management facility as located within a dedicated easement area, and as installed for the DuPage Airport Authority development and depicted on Exhibit "B" attached hereto, as City of West Chicago ownership and maintenance responsibility.

Section 6. That all Resolutions, or parts thereof, in conflict with the provisions of this Resolution are, to the extent of such conflict, hereby repealed.

Section 7. That this Resolution shall be in full force and effect from and after its adoption and approval as provided by law.

APPROVED this 15th day of August, 2022.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

Deputy City Clerk Valeria Perez

CERTIFICATE OF APPROVAL AND INITIAL ACCEPTANCE

REQUEST FOR INSPECTION

SUBDIVISION: Ingenuity Way
(Project Name / Phase, etc.)

Request is hereby made by the DuPage Airport Authority to the City of West Chicago to approve the subdivision/project described above. The following information is submitted in support of this request.

Deed of Conveyance/Bill of Sale
"As-Built" Engineering Drawings (3-print sets/1 mylar set)
Maintenance Guarantee (Bond, Letter of Credit, etc.)

OWNER(S) / DEVELOPER(S): DuPage Airport Authority

ADDRESS: 2700 International Drive
West Chicago, IL 60185

TELEPHONE: (630) 584-2211

REFERENCE:

Plan No. _____ Sheets _____, Dated April 28, 2021 &
Specifications.

Prepared by CH2M

And approved by the City of West Chicago.

IMPROVEMENT DESCRIPTION:

- ☒ Watermain and Appurtenances
- ☐ Sanitary Sewer and Appurtenances
- ☒ Storm Sewer and Appurtenances
- ☒ Roadway (Curb and Gutter)
- ☒ Roadway (Pavement)
- ☒ Roadway (Markings)
- ☒ Sidewalk
- ☒ Street Lights
- ☒ Parkway Trees
- ☐ Ponds (Detention/Retention)
- ☐ Other (Lift Station, etc.)

CERTIFICATIONS:

DESIGN ENGINEER'S CERTIFICATION

To the best of my knowledge and belief, the construction of the above described improvement has been completed in accordance with the approved plans and specifications, prepared by:

Name: Todd Merrihew

Address: 8735 W Higgins Road, Suite 400

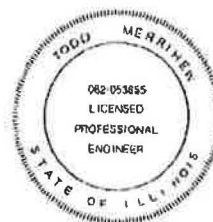
Chicago, IL 60631

6/28/21
(Date)

062-053655
(Ill. P.E. No.)

Todd M. Merrihew
(Signature)

SEAL



DEED OF CONVEYANCE/BILL OF SALE

KNOW ALL MEN BY THESE PRESENTS, that DuPage Airport
Authority (Developer/Owner), located at 2700 Ingenuity Way,
West Chicago, IL 60185 (Address of Developer/Owner)

a _____ (corporation, partnership, individual)

authorized to do business in the State of Illinois, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration in hand paid, the receipt and sufficiency of which are hereby acknowledged, does hereby Grant, Sell, Transfer Over, Convey and Deliver unto the City of West Chicago (the "City"), DuPage County, Illinois, a municipal corporation, to and for its own use forever the following:

UNDERGROUND IMPROVEMENTS

<u> X </u>	Watermain and Appurtenances
<u> </u>	Sanitary Sewer and Appurtenances
<u> X </u>	Storm Sewer and Appurtenances
<u> </u>	Lift Station and Force Main
<u> </u>	Other (_____)

SURFACE IMPROVEMENTS

<u> X </u>	Roadway (Curb & Gutter/Pavement)
	(Street Names <u>Ingenuity Way</u>)
<u> X </u>	Sidewalks
<u> X </u>	Parkway Trees
<u> X </u>	Traffic Control/Street Signs/Pavement marking
<u> X </u>	Street Lights
<u> X </u>	Storm Water Retention/Detention
	Basin/Grading
<u> </u>	Other (_____)

Located in the Project known as Ingenuity Way
(Project/Subdivision Name)

(the "Project") as described on the "as-built" engineering plans
prepared by Todd Merrihew, located at
(Consulting Engineer's Name)

8735 W Higgins Road, Suite 400, Chicago, IL 60631
(Consultant's Address)

and dated April 28, 2021, which plans with "Bill of Materials"
(As-built date)

are incorporated by reference and made a part hereof.

WHEREAS, the Developer does hereby warrant to the City, it
is the lawful owner of and has good and marketable title to the
aforescribed improvements; that the same are free from all
encumbrances; that the Developer shall hold harmless the City
against the lawful claims and demands of all persons with
respect to the title hereby conveyed; and that the execution of
this Deed of Conveyance/Bill of Sale is an authorized Act of
Said Corporation, Individual or Partnership.

IN WITNESS WHEREOF, the Developer has caused this instrument
to be signed and delivered this 28th day of June, 2021.

DUPAGE AIRPORT AUTHORITY

By: Mark Doles

(Name)

Mark Doles

06/28/2021

(Date)

Executive Director

(Title)

CORPORATE
SEAL

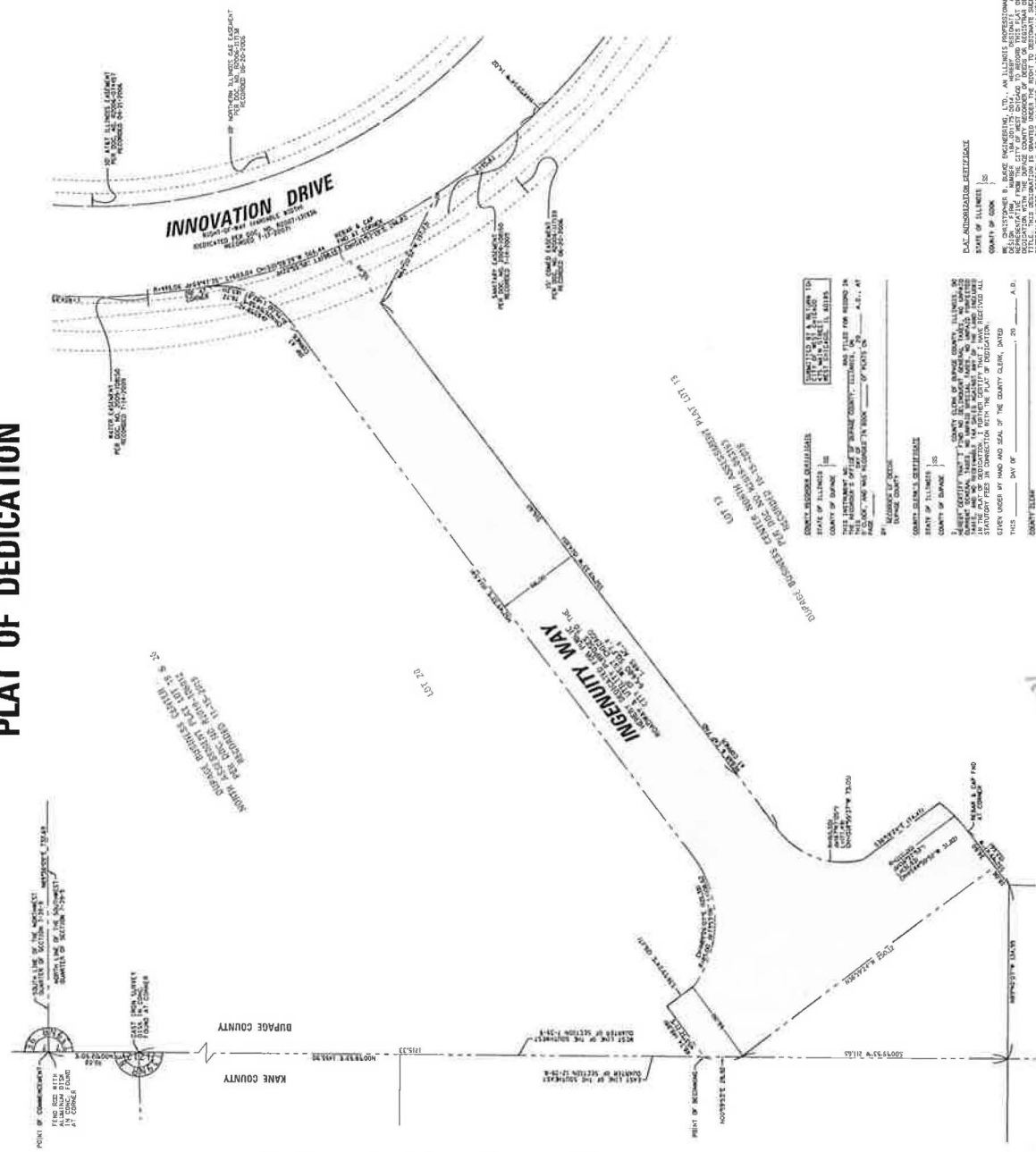
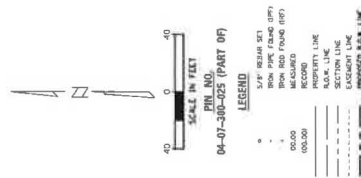
Accepted for the City of West Chicago

Mayor

ATTEST: _____

City Clerk

PLAY OF DEDICATION

[illegible]

DATE AND/ORIZATION CERTIFICATE

SOURCE OF ALL INFORMATION } 20

COUNTRY OF ORIGIN } 20

MR. CHRISTOPHER B. BLACK ENGINEERING, LTD., AN ILLINOIS PROFESSIONAL
DESIGN FIRM, NUMBER 104 COTTY 73-0014, HENRY DESIGN
REPRESENTATIVE FROM THE CITY OF WEST CHICAGO TO RECORD THIS PLAN
DEDICATION WITH THE DUPAGE COUNTY RECORDER OF DEEDS OR REGISTERAR
TITLE. THIS DEDICATION IS GRANTED UNDER THE RIGHT TO DEDICATE SUCH

[illegible]

CALC.	KJR	PROJECT NO. 190295
OWN.	AJK	DRAWING NO. C40190295A
CHKD.	JRM	
SCALE	1" = 40'	
DATE	07-20-2021	SHEET 1 OF 1

PLAY OF DEDICATION
CITY OF CHICAGO, ILLINOIS
PREPARED FOR
SCHMIDT, LUETHEMANS & GARNER, P.C.

CHRISTOPHER B. BURKE ENGINEERING, LTD.
3575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 22-R-0041 - Contract Award – RJN Group, Inc.
for the 2022-2023 Sanitary Sewer Evaluation Survey (SSES)
Program in the Not-to-Exceed Amount of \$232,588.36

AGENDA ITEM NUMBER:4.C**COMMITTEE AGENDA DATE:** August 4, 2022**COUNCIL AGENDA DATE:** August 15, 2022**STAFF REVIEW:** Mehul T. Patel, P.E., CFM, Director of Public Works**SIGNATURE** _____**APPROVED BY CITY ADMINISTRATOR:** Michael L. Guttman**SIGNATURE** _____**ITEM SUMMARY:**

Since January 2022, staff has been reviewing the City's Sanitary Sewer Evaluation Survey (SSES) and Repair Program for efficiency. On June 2, 2022, staff had a lengthy discussion with the Infrastructure Committee regarding the SSES and Repair Program. Staff was directed to complete an SSES study in the center and southeast portion of the City. Due to the volume of repairs identified in previous SSES studies, once the study is completed, the focus will shift solely to the repairs until all outstanding items have been addressed. This will be the last evaluation program conducted for the foreseeable future.

The City has conducted SSES studies in 2010, 2011, 2013, 2014, 2016, and 2018. The primary purpose of these studies is to find defects in the sanitary sewer collection system. The defects are found via dye testing, smoke testing, sewer televising, and manhole inspections. As part of these studies, accurate location of City infrastructure such as manhole locations is also captured in a Geographic Information System (GIS) database.

The 2022-2023 SSES program is a continuation of the previous studies. This survey work will encompass the areas of the City that have not been inspected during the programs from 2010-2018. The remaining area is roughly Harrison Street south to Dayton Avenue and Lyman Avenue east to Route 59. A location map is attached for reference. The study area encompasses roughly 80,000 lineal feet of sanitary sewer and approximately 326 sanitary manholes. The data collected will then be used to finalize a cost effective sanitary sewer repair program for implementation in future years. Due to their knowledge and familiarity with City's sanitary sewer system as well as successfully performing previous SSES studies, after direction from the Infrastructure Committee, City staff approached RJN Group, Inc. (RJN) to request a cost proposal for the 2022-2023 SSES program.

RJN submitted the initial proposal in the amount of \$246,783.26. After successful negotiations, RJN has submitted a revised not to exceed proposal in the amount of \$232,588.36. RJN's scope of work will include manhole mapping and inspections, smoke testing, wet weather investigations, and dye testing of the sanitary collection system tributary to the locations noted above. Please note unlike our previous studies, in an effort to reduce costs, City staff will be performing the sewer televising with City equipment. RJN's scope of work includes analyzing our televised data and properly coding the defects using an artificial intelligence software. The study will begin with manhole inspections in September 2022 and final report is expected by October 2023.

In FY2022 Sewer Fund, Sewer Main Repairs (05-34-43-4410), \$700,000 has been budgeted for the 2022-2023 SSES program.

CITY OF WEST CHICAGO

ACTIONS PROPOSED:

Approve Resolution No. 22-R-0041 authorizing the Mayor to execute a Professional Services Contract with RJN Group, Inc. for an amount not to exceed \$232,588.36, for the 2022-2023 Sanitary Sewer Evaluation Survey (SSES) Program.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 2022-R-0041

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A
PROFESSIONAL SERVICES CONTRACT WITH RJN GROUP, INC.
FOR
THE 2022-2023 SANITARY SEWER EVALUATION SURVEY PROGRAM**

BE IT RESOLVED by the City Council of the City of West Chicago, in regular session assembled, that the Mayor is hereby authorized to execute a Professional Services Contract with RJN Group, Inc. for an amount not to exceed \$232,588.36, for the 2022-2023 Sanitary Sewer Evaluation Survey (SSES) Program, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 15th day of August 2022.

AYES: _____

NAYES: _____

ABSTAIN: _____

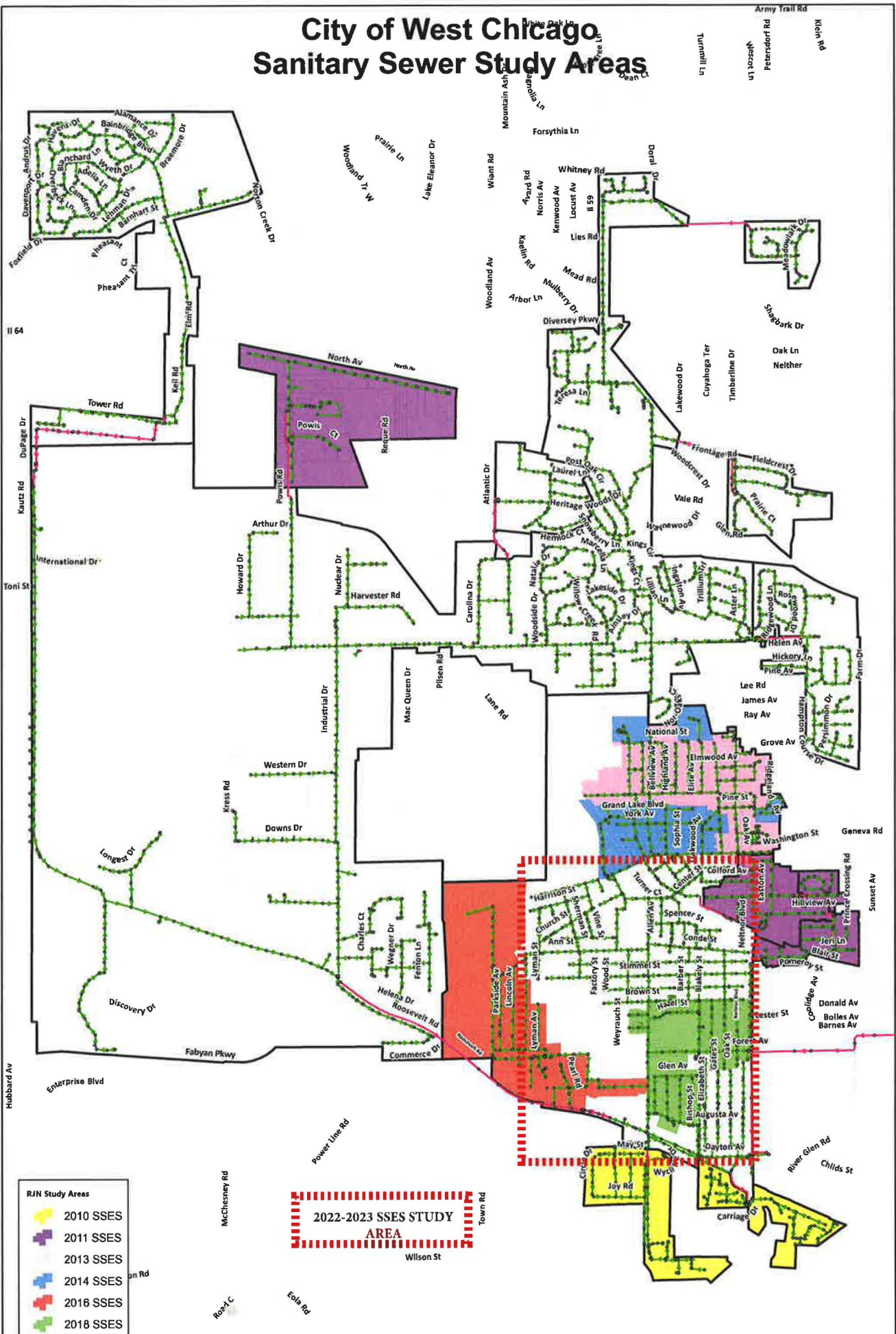
ABSENT: _____

Mayor Ruben Pineda

ATTEST:

Valeria Perez Deputy Clerk

City of West Chicago Sanitary Sewer Study Areas





Engineering
Infrastructure for
Tomorrow

www.rjn.com

July 19, 2022

Mr. Mehul T. Patel, P.E.
Director of Public Works
City of West Chicago
1400 W. Hawthorne Lane
West Chicago, Illinois 60185

Subject: PROPOSAL FOR PROFESSIONAL ENGINEERING SERVICES FOR 2022 SEWER
EVALUATION SURVEY PROGRAM

Dear Mr. Patel:

RJN Group, Inc. (RJN) is pleased to submit this proposal to the City of West Chicago (City) for reducing inflow and infiltration (I/I) in the sanitary system as shown in the enclosed project location map.

Key Project Goals and Objectives

The goal of this program is to complete the remaining Sanitary Sewer Evaluation Survey (SSES) program in the older residential area of the City as identified in the flow monitoring study of the City's sewer system that was performed in 2009.

There are four main components of this proposal:

- Manhole Surveying and Inspections
- Smoked Testing Services
- Sanitary Sewer Assessment Study
- Dye Testing Services
- Engineering Analysis and Reporting

A summary of each SSES task is provided below, while the detailed scope of services is provided in Exhibit A.

Manhole Surveying and Inspections

Each manhole will be located by either survey grade GPS or terrestrial survey equipment with a new manhole number assigned. The task of locating and numbering manholes will be completed and approved by the City prior to starting the remaining tasks. The numbering system established in 2010 will be utilized.

Surface inspection of the manholes will be provided to identify frame and lid defects and other structural defects in the manhole. Manhole/pipe sizes, materials, and inverts will also be collected. A remote camera (GoPro) inspection may be completed for the following reasons:

- The manhole is too deep to observe the bench and trough
- Portions of the manhole are not visible from the topside
- Significant defects are observed that require further investigations and photographs.

It is estimated that 25% of the manholes will require remote camera inspection.

Final Deliverable: A summary and detailed list of all manholes inspected, Clarity data access, collected data for GIS mapping updates, and prioritized, comprehensive rehabilitation recommendations for each manhole inspected.

Smoke Testing

Smoke testing identifies improper connections into the system as well as sewer, manhole and service lateral defects. Smoke is blown into a sewer segment through the manholes. Defects are identified by smoke exiting through the ground or structures. RJN utilizes a 3 or 4-person crew and smoke tests with two smoke blowers, for a maximum linear length of 600 feet of sewer. Sandbags are used where practicable to minimize smoke entering other segments.

Final Deliverable: A detailed list of all identified defects, Clarity data access, GIS of data collected, and recommendations for follow-up remediation or inspections.

Sanitary Sewer Assessment Study

Perform closed-circuit television (CCTV) analysis of approximately 80,250 LF of videos of the cleaned and televised sewer pipes. Use SewerAI auto-coding software to develop a PACP coded database of the CCTV inspection. Quality Control the auto-coding software and develop rehabilitation recommendations for the reviewed CCTV. The CCTV will be completed and provided to RJN by City staff.

Final Deliverable: A complete analysis of the televised sewer including quality control of the SewerAI auto-coding, a PACP database, and rehabilitation recommendations.

Dye Testing

Dye testing is used to confirm direct and indirect storm water connections to the sanitary sewers found during smoke testing. The exact number of locations requiring dye testing is not known until the smoke testing has been completed. The proposal is based on twelve dye testing set ups.

Final Deliverable: A detailed list of confirmed cross-connections between the storm and sanitary sewer with recommendations for separation and rehabilitation.

Data Analysis and Report

Compile all the field findings and summarize work completed into a report for the City. The report will also include recommendations for the rehabilitation of identified defects and estimated costs for rehabilitation.

Final Deliverable: An SSES report outlining defects identified, rehabilitation and remediation recommendations for the system to reduce inflow and infiltration with budgetary costs, and recommendations for any additional inspections.

Assuring Quality

RJN is committed to providing quality deliverables. The data, analysis, and recommendations provided by RJN will be used to make decisions on how much and where to spend City sanitary sewer system funds. RJN's use of electronic forms for data collection with standardized entry and error trapping, the use of QC tools in our in-house data management software, as well as our corporate training and QC processes in place will ensure that results and recommendations will provide value to the City.

Price and Schedule Summary

This project will be invoiced on a Unit Price and Lump Sum Basis for a total not-to-exceed fee of \$232,600. The project is expected to be completed by October 27, 2023. Complete Scope of Services, Pricing, Schedules, and Maps are provided in the following exhibits:

- Exhibit A – Scope of Services
- Exhibit B – Pricing
- Exhibit C – Schedule
- Exhibit D – Project Map

We are looking forward to the opportunity to work with the City of West Chicago on this important project. Please feel free to contact either of us at (630) 682-4700 if you would like to discuss this proposal or have any questions.

Sincerely,



Michael N. Young, P.E.
Senior Vice President



Akwasi Nketia, P.E.
Principal Project Manager



EXHIBIT A

SCOPE OF SERVICES

RJN is proposing the following scope of services to conduct the 2022 SSES Program for the City of West Chicago.

1. Manhole Surveying and Numbering

- a. Complete survey grade (sub-centimeter x, y, and z coordinates) locates of the rim for each accessible manhole in the project area.
- b. Notify the City of manholes that were not found. Complete survey for manholes located/unburied.
- c. Utilize the collected location data to update the City GIS map of the manholes in the project area.
- d. Assign manhole numbers to each manhole located or identified but unable to locate.
- e. Submit a GIS map showing each manhole located with its newly assigned manhole number. The manhole numbers will be utilized for the field logs and reports developed as part of the remaining tasks described below.

2. Manhole Inspections

- a. Utilize electronic data collection equipment for the manhole inspections.
- b. Complete surface manhole inspections for approximately 326 manholes (contingent on accessibility). Identify and document manhole defects. Take at least one manhole "area" picture, one picture of the frame and cover, and at least one "top down" picture at each manhole.
- c. Obtain the invert elevations for each manhole. Where different, obtain invert elevation at each connecting sewer pipe.
- d. Collect the following attribute data when it can be determined from the surface:
 - i. Manhole diameter
 - ii. Manhole construction material
 - iii. Connecting sewer diameter(s)
 - iv. Connecting sewer material(s)
- e. If a manhole is greater than 12 feet deep, part of the manhole is not visible, or I/I is visible near the manhole bench, a remote camera inspection may be completed to supplement the data collected. It is estimated that 25% of the manholes may be in this category.
- f. Post data, including photos, to Clarity and provide access to City Staff

3. Smoke Testing

- a. Prepare a draft resident smoke testing notification letter for the City to send to the affected residents and business owners. These letters will include RJN contact information if necessary, during smoke testing. These letters will be in English on one side and in Spanish on the other side.

- b. Prepare smoke testing door hangers that RJN staff will hang at each address less than one week prior to smoke testing. These door hangers will also include RJN contact information. These door hangers will be in English on one side and in Spanish on the other side.
- c. Notify the local fire and police department of planned smoke testing activities, including daily updates. Answer resident/owner field and phone questions.
- d. Provide equipment and smoke canisters necessary for smoke testing.
- e. During smoke testing, erect smoke testing signs near the testing area.
- f. Utilize electronic data collection equipment for smoke testing.
- g. Smoke test approximately 80,250 linear feet of sanitary sewers. GPS locate (mapping grade) each identified defect and take at least one digital picture of each defect.
- h. Post data on Clarity and provide access to City Staff.

4. Sanitary Sewer Assessment study

- a. About 80,250 LF of CCTV videos from the City shall be uploaded in SewerAI via the Pioneer software. Once completed, RJN will run the Auto-coding tool from SewerAI and create a PACP-coded database.

5. CCTV Review

- a. Provide equipment and personnel as necessary for review of televising video.
- b. Review sewer televising videos using PACP-certified personnel and PACP coding standards.
 - i. Provide data analysis as follows:
 - 1. Review observations and edit as necessary.
 - 2. Determine an appropriate rehabilitation method, including:
 - a. Point repairs
 - b. Grouting
 - c. Lining
 - d. Other rehabilitation as needed
 - 3. Develop estimate of associated cost for each defect or segment
 - ii. Provide recommendations to City for review.
 - 1. Recommendations will be phased to accommodate City budget, maximize efficiency of work, and minimize disruption to the public.
- c. Provide the following information for the summary report:
 - i. Summary of work completed.
 - ii. List of sewers to be rehabilitated, prioritized by severity of defects.
 - iii. Recommendations for follow-up SSES work.

6. Dye Testing

- a. Based on the results of the smoke testing, provide a list of proposed dye testing locations with reason for testing.
- b. Provide dye testing equipment.
 - i. Water for flooding the storm sewers is not included in this scope.

- c. Set up and complete dye testing.
- d. Provide subcontractor for televising during dye testing.

Note: The number of dye set-ups required is dependent on smoke identified defects requiring follow up. This will not be known until after smoke testing has been completed and the dye testing list developed. The associated fee is an estimate based on twelve dye testing setups.

7. Data Analysis and Report

- a. Data Analysis
 - i. Compile field data and develop complete list of defects
 - ii. Assign an estimated flow to each defect and an estimated cost for rehabilitation
- b. Report
 - i. Summary of work completed & GIS map of identified defects
 - ii. List of defects prioritized by cost effectiveness for rehabilitation
 - iii. Recommendations for rehabilitation, including potential procurement methods and recommended type of rehabilitation.
- c. Submittals
 - i. Submit a pdf of an initial draft report for review.
 - ii. Address City comments and submit up to 3 color copies of final report.
 - iii. Provide one digital copy of final report files, data, video, and photos.

8. Project Management and Meetings

- a. Provide project management for the duration of the program.
- b. Attend up to two meetings throughout the duration of this project.

Items Requested from the City

- 1. Access to manholes and sewers for inspections.
- 2. Provide traffic control assistance as necessary in high-traffic locations.
- 3. Mailing of notifications as outlined in smoke testing scope of services.
- 4. Provide CCTV data for SewerAI auto coding.
- 5. Opening of hydrants and access to water for dye testing.



EXHIBIT B PRICING

Pricing for the 2022 SSES Program is shown below.

Pricing Terms for Invoicing: Unit Price and Lump Sum

Not-To-Exceed Total Cost: \$232,600

Task	Task Descriptions	Quantity	Unit	Unit Cost	Total Cost
1001	Manhole Surveying	326	EA	\$41.00	\$13,366.00
1002	Manhole Inspections	326	EA	\$106.00	\$34,556.00
1003	Smoke Testing	80258	LF	\$0.93	\$74,639.94
1004	Sewer AI Coding	80258	LF	\$0.32	\$25,682.56
1005	CCTV Review	80258	LF	\$0.17	\$13,643.86
1006	Dye Testing	12	Setup	\$2,750.00	\$33,000.00
1007	Data Analysis and Report	1	LS	\$26,400.00	\$26,400.00
1008	Project Management/Meetings	1	LS	\$11,300.00	\$11,300.00
	TOTAL				\$232,588.36



EXHIBIT C

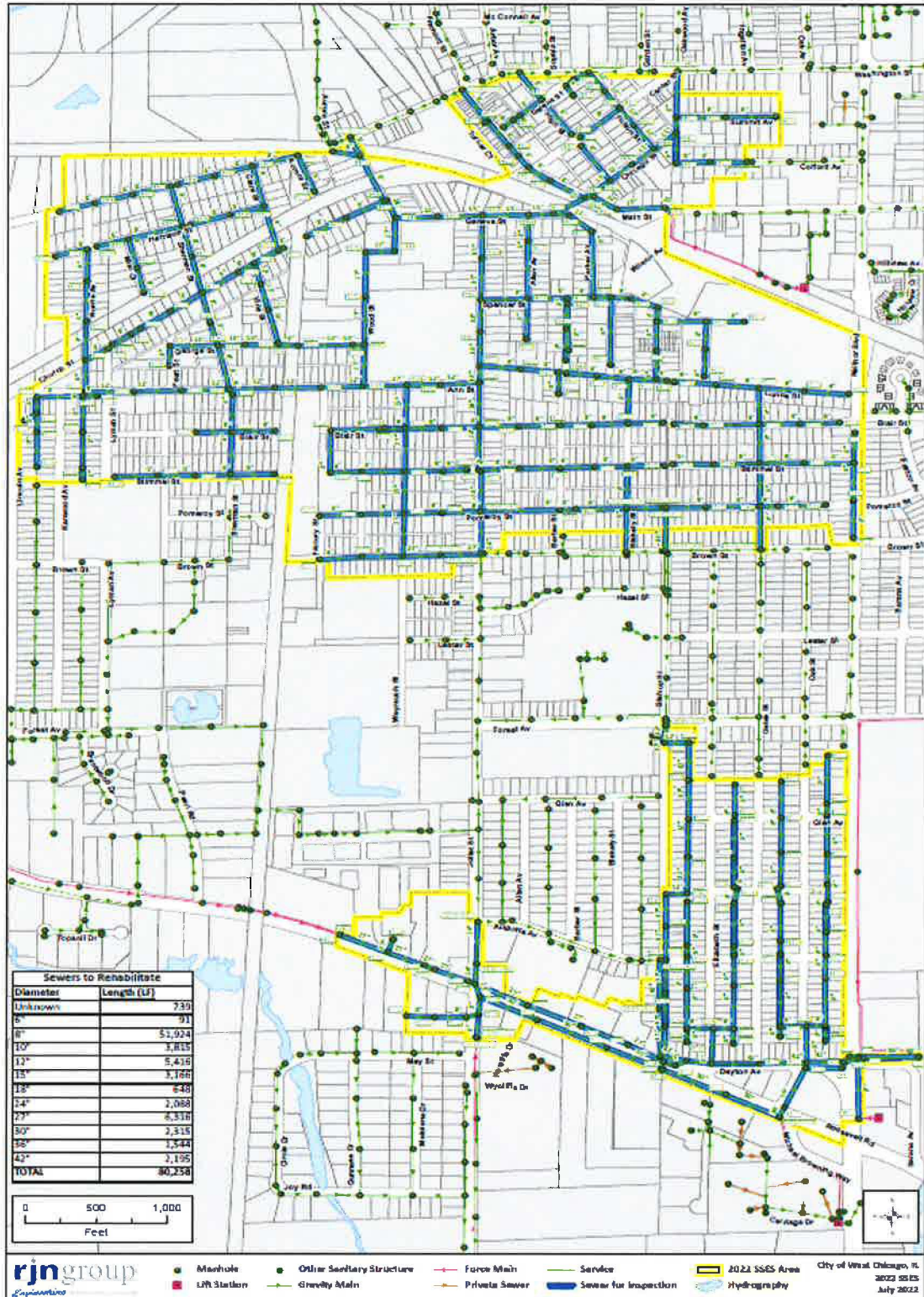
PROPOSED SCHEDULE

RJN is prepared to start work immediately upon receiving a signed contract with the City.

Task	Timeline
1. Manhole Surveying	To be completed by end of December 2022.
2. Manhole Inspections	Performable at any time. Will complete by March 1, 2023.
3. Smoke Testing	Requires dry conditions. Weather permitting, will start in 2022 and complete by end of July 2023.
4. Dyed Water Flooding	Determine after completion of smoke testing. To be completed by September 2023.
5. Report and Data Access	Data access available immediately following completion of each field service. Draft report will be submitted by October 2023



EXHIBIT D PROJECT MAP



CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 22-R-0043 - Award Contract for Professional Engineering Design Services Related to the 2023 SSES Repair Program to RJN Group, Inc. in the Not-To-Exceed Amount of \$53,548.00

AGENDA ITEM NUMBER:4.D.**COMMITTEE AGENDA DATE:** August 4, 2022**COUNCIL AGENDA DATE:** August 15, 2022**STAFF REVIEW:** Mehul T. Patel, P.E., CFM Director of Public Works**SIGNATURE** _____**APPROVED BY CITY ADMINISTRATOR:** Michael Guttman**SIGNATURE** _____**ITEM SUMMARY:**

Since January 2022, staff has been reviewing the City's Sanitary Sewer Evaluation Survey (SSES) and Repair Program for efficiency. On June 2, 2022, staff had a lengthy discussion with the Infrastructure Committee regarding the SSES and Repair Program. Staff was directed to complete an SSES study in the center and southeast portion of the City. Due to the volume of repairs identified in previous SSES studies, once the study is completed, the focus will shift solely to the repairs until all outstanding items have been addressed. Per that recommendation, staff is trying to get a head start for the 2023 SSES Repair Program by completing the design work in 2022.

The areas identified for rehabilitation in 2023 are three of our older subdivisions Fair Meadows(1), Hillside(2), and Roosevelt Highlands(3). A location map is attached for reference. These subdivisions have rear yard sanitary sewers. The subdivisions were constructed in the 1950s and the sewer lines are made of vitrified clay pipe. Clay pipe is susceptible to root intrusion and leaks: Tiny tree roots can enter loose clay plumbing joints, growing bigger and breaking away the clay as time goes by. These sewers are difficult for City staff to maintain due to their locations in rear yards. Since 2020, 20% of our calls for sanitary sewer issues have been from residents in these areas. The sewer mains are in need of rehabilitation.

In order to obtain the best pricing and get the project to bid in early 2023, staff requested a proposal from RJN Group (RJN). RJN's scope of work will include preparing plans, specifications and bid documents to repair approximately 11,500 lineal feet of cured-in-place pipe (CIPP), approximately 72 manhole rehabilitations and perform lateral grout sealing on approximately 330 laterals. All of the work will be focused within the public right-of-way and/or easements. RJN has provided a proposal for an amount not to exceed \$53,548.00 to develop plans, specifications, and bid documents for the program. Staff feels the design costs are appropriate for a project of this scale. Staff recommend moving forward with the design of 2023 SSES Repair Program.

In FY2022 Sewer Fund, Sewer Main Repairs (05-34-43-4410), \$700,000 has been budgeted which will be used for the 2023 SSES Repair Program.

CITY OF WEST CHICAGO

ACTIONS PROPOSED:

Approve Resolution No. 22-R-0043 authorizing the Mayor to execute a Professional Services Contract with RJN Group, Inc., for an amount not to exceed \$53,548.00 for design services related to the 2023 SSES Repair Program.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 22-R-0043

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A
PROFESSIONAL SERVICES CONTRACT WITH RJN GROUP, INC. FOR
THE 2023 SSES REPAIR PROGRAM**

BE IT RESOLVED by the City Council of the City of West Chicago, in regular session assembled, that the Mayor is hereby authorized to execute a Professional Services Contract with RJN Group, Inc., for an amount not to exceed \$53,548.00 for design services related to the 2023 SSES Repair Program, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 15th day of August 2022.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

Valeria Perez Deputy Clerk



July 26, 2022

Mr. Mehul T. Patel, P.E.
Director of Public Works
City of West Chicago
1400 W. Hawthorne Lane
West Chicago, IL 60185

Subject: Proposal for Professional Engineering Services
2022 Sewer Rehabilitation Design

Dear Mr. Patel:

RJN Group, Inc. (RJN) is pleased to submit this proposal to provide design services for the sanitary sewer rehabilitation project for the City of West Chicago (City).

RJN Group, established in Wheaton, Illinois in 1975, is a professional engineering and field services firm focused on underground municipal infrastructure. We have worked with hundreds of communities and have evaluated over a quarter-billion feet of pipelines in our 47-year history.

Key Project Goals and Objectives

This proposal is being submitted to complete the rehabilitation design for the rear yard sanitary sewer system, which is in the southeast quadrant of the City, just south of the Gary Elementary School (Refer to Exhibit D- Project Location Map). Rehabilitation methods to be employed include cured-in-place pipelining, point repairs, lateral lining, and structural lining and grouting of manholes.

The area west of Bishop Street has already been inspected and recommendations provided for rehabilitation. The area east of Bishop Street will be inspected in the next couple of months under a separate proposal as shown on Exhibit D. This proposal assumes a similar ratio of sewer rehabilitation on the east side of Bishop as the west side. A 10% contingency has been included in case the amount of rehabilitation recommended is higher on the east side. The total construction cost for this project is estimated to be in the \$750,000- \$850,000 range.

Price and Schedule Summary

This project will be invoiced on a **Time and Material Basis** for a base not-to-exceed fee of \$48,680 plus a 10% contingency for a total not-to-exceed fee of \$53,548. Based on a notice to proceed by the end of September 2022, RJN will complete the design by the end of December 2022 contingent upon the approval of the 2022 SSES proposal and receipt of any CCTV videos by end of August 2022. The bidding and construction schedule for this project is anticipated in Spring 2023.

Complete Scope of Services, Pricing, and Schedules are provided in the following exhibits:

- Exhibit A – Scope of Services

- Exhibit B – Pricing
- Exhibit C – Schedule
- Exhibit D – Map

We are looking forward to the opportunity to continue working with the City of West Chicago on this important project. Please feel free to contact Mike at 630.682.4700 X1314 if you would like to discuss this proposal or have any questions.

Sincerely,



Mike Young, P.E.
Senior Vice President



Akwasi Nketia, P.E.
Principal Project Manager



EXHIBIT A

SCOPE OF SERVICES

RJN is proposing the following scope of services for the City of West Chicago.

1. Sanitary Sewer Rehabilitation Design

- a. Prepare for and attend a kick-off design meeting.
- b. Review rehabilitation recommendations to confirm work to be completed.
- c. Design for up to three (3) point repairs and identify traffic control and surface rehabilitation needs during construction. Request design-stage J.U.L.I.E. locates and identify potential utility conflicts.
- d. Prepare detailed schedules and design details for recommended Cleaning & Televising, CIPP rehabilitation, lateral CIPP liners, mainline and lateral grouting, and point repairs.
- e. Prepare Contract Plans, including the following:
 - i. Cover Sheet.
 - ii. Summary of Quantities and General Notes.
 - iii. General lining, lateral lining, cleaning and televising, dye testing, mainline and lateral grouting sheets using aerial maps.
 - iv. Point repair design sheets (GIS Exhibits).
 - v. Rehabilitation schedules and location exhibits.
 - vi. Project and City specific Details.
- f. Prepare Contract Front End Documents and technical Specifications:
 - i. Utilize City Front End Contract Documents with only project specific modifications.
 - ii. Prepare technical project Specifications.
- g. Prepare Summary of Quantities and an Opinion of Probable Construction Cost.
- h. Provide progress review submittal at 90% of Plans, Specifications and Opinion of Probable Construction cost for City review and comment prior to bidding.
- i. Perform a quality control/quality assurance review on final plans and specifications.
- j. Prepare bid package with plans, front-end documents, and specifications. Submit a pdf of the final bid package to the City with full size set of the final plans.
- k. Have senior design P.E. provide an overall review and engineering stamp/seal for the bid package. Submit a PDF of the final bid package to the City.
- l. Bidding Assistance:
 - i. Send advertisement to expected bidders
 - ii. Prepare Addenda.
 - iii. Respond to Contractors' questions.
 - iv. Prepare letter of recommendation for award.
- m. Provide project management for the duration of the design project and attend meetings as needed with City staff.

This proposal does not include construction services.

Items Requested from the City

1. City Front End Contract and Proposal Documents in MS Word format.
2. City to provide review and comment on prepared bidding documents including any project specific modifications for this project.
3. Coordination with RJN in answering bid-related questions in formal addenda.
4. GIS maps of utilities owned by the City.
5. Assist RJN to access backyards.
6. Mailing of City notifications to residents (if necessary).



EXHIBIT B

PRICING

Based on the scope of services outlined above, we have the cost breakdown as follows:

Pricing Terms for Invoicing: Time and Material

Not-To-Exceed Total Cost: \$53,548

Task Description		Total Cost
Rehabilitation Design Services		
1001	Rehabilitation Planning	\$ 5,420
1002	Rehabilitation recommendations review	\$ 5,690
1003	Field Checks & QA/QC	\$ 6,600
1004	General Notes & Detail Sheets	\$ 730
1005	Rehabilitation Exhibits	\$ 8,340
1006	Specifications & Contract Documents	\$ 6,930
1007	Rehabilitation Schedules & Appendices	\$ 4,220
1008	Cost Estimates & BID Tab	\$ 4,010
1009	Bidding Assistance, Questions & Addendums	\$ 2,640
1010	Mileage, Shipping, Expenses, Etc.	\$ 250
	Total	\$ 44,830
Project Management Services		
3001	Project Management and Meetings	\$ 3,850
Subtotal		\$ 48,680
Contingency *		
4001	10% Contingency	\$ 4,868
TOTAL		\$ 53,548

** Contingency amount is for the design of an area that has not been inspected yet.
This contingency would only be used with City staff approval.*

Hourly Rate Schedule

Code	Classification	2022 Rate
PD	Project Director	\$245.00
SPM	Senior Project Manager	\$200.00
PM	Project Manager	\$175.00
SCM	Senior Construction Manager	\$170.00
CM	Construction Manager	\$155.00
CO	Construction Observer	\$125.00
SPE	Senior Project Engineer	\$145.00
PE	Project Engineer	\$130.00
EI	Engineer I	\$115.00
GSS	GIS Specialist	\$110.00
GIS	GIS Analyst	\$100.00
SDA	Senior Data Analyst	\$110.00
DA	Data Analyst	\$90.00
FM	Field Manager	\$100.00
FS	Field Supervisor	\$90.00
FT	Field Technician	\$80.00
AS	Administrative Support	\$85.00



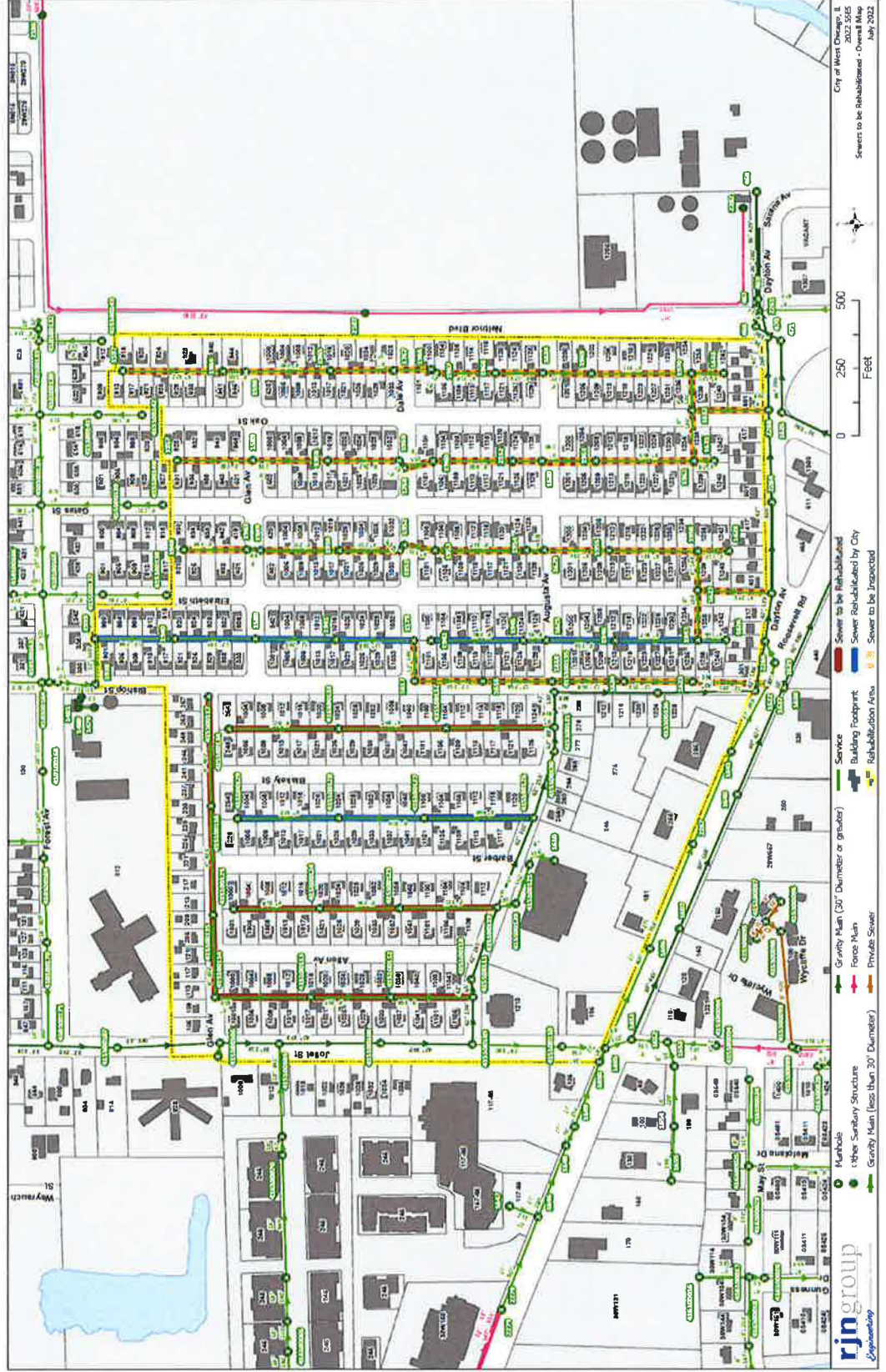
EXHIBIT C

PROPOSED SCHEDULE

The 90% bid package will be provided to the City by mid-December 2022 **contingent upon approval of the 2022 SSES proposal by the end of August 2022, which will allow for the completion of the manhole inspections by mid-October of 2022. Any completed CCTV videos shall also be provided by the City by end of August 2022 to meet this schedule.** The final bid package will be provided to the City within 3 weeks of City comment.



EXHIBIT D PROJECT MAP



CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 22-R-0044 - Contract Award – Security Camera System Upgrade 2022 – Current Technologies Corporation

AGENDA ITEM NUMBER: 4.E.**COMMITTEE AGENDA DATE:** August 4, 2022**COUNCIL AGENDA DATE:** August 15, 2022**STAFF REVIEW:** Joseph Munder, Water Treatment Plant Superintendent**SIGNATURE** _____**APPROVED BY CITY ADMINISTRATOR:** Michael L. Guttman**SIGNATURE** _____

The Security Camera System at the Water Treatment Plant is original to the building and is currently only partially operational. The system is in need of an upgrade and modernization.

Four companies were consulted for proposals to upgrade and modernize the Security Camera System. Of the four, Current Technologies provided the most comprehensive package at the lowest cost. Please note that Current Technologies is the current City vendor for the Camera Systems utilized at the West Chicago Police Station.

Current Technologies proposal includes installation and associated electrical wiring of two internal cameras and ten external cameras. Two of the external cameras require a conduit to be bored and wire to be pulled from the building to the poles where the cameras will be mounted in the southwest corner of the site. The underground work will be completed under a separate contract by Utility Dynamics Corporation, which has worked on multiple projects for the City in the past.

In FY2022, in the Water fund there is \$40,000 budgeted in capital account (06-34-48-4806) and \$36,800 budgeted in operations account (06-34-48-4401) for the camera upgrades.

ACTIONS PROPOSED:

Approve Resolution No. 22-R-0044 authorizing the Mayor to execute a contract with Current Technologies Corporation of Elgin, Illinois, for the installation of Security Cameras at the Water Treatment Plant for a not to exceed cost of \$70,967.84

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 22-R-0044

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE
A CONTRACT WITH CURRENT TECHNOLOGIES CORPORATION FOR
THE INSTALLATION OF SECURITY CAMERAS AT
THE WATER TREATMENT PLANT**

BE IT RESOLVED by the City Council of the City of West Chicago, in regular session assembled, that the Mayor is hereby authorized to execute a Contract with Current Technologies Corporation of Elgin, Illinois, for the installation of Security Cameras at the Water Treatment Plant for a not to exceed cost of \$ 70,967.84, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 15th day of August 2022.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

Deputy Clerk Valeria Perez



Current Technologies Corporation
401 Eisenhower Lane South
Lombard, IL 60148
www.currenttech.net
630.388.0240

Prepared For:

West Chicago, City of

Joe Munder
475 Main Street
West Chicago, IL 60185
United States
(630) 293-2255
jmunder@westchicago.org

Quote

CTCQ21997

Quote Created: 5/25/2022

Quote Expires: 8/15/2022

By: Sboonstra

Description:

West Chicago, City of - Milestone and Camera Project Water

Here is the quote you requested. (GREEN & BLUE ON MAP)

- Installation and configuration of New Milestone Dell server for camera recording
- Replace existing interior camera with new Axis M3116-LVE
- Installation of new interior camera Axis M3116-LVE
- Installation and configuration of new exterior camera Axis P3807-PVE (180 degree view)
- Installation and configuration of customer supplied viewing PC where existing analog equipment is located
- Installation of Milestone Smart Client software on PC's as needed
- Removal of existing head end equipment (Will remove cameras, servers, monitors) Will not fully remove existing analog cable
- Training of system upon completion

Assumptions:

- Access to all areas needed
- Available rack space for new Milestone server (Minimum 2U)
- Because of difficulty of cable pulls, customer agrees we can take existing network drops for use of new equipment
- IT support for getting network connectivity between PD and Water Treatment Plant. This will be required to utilize PD's Milestone
- Existing POE switchports available

Here is the quote you requested. (YELLOW & RED ON MAP)

- Installation and configuration of 2 New P3719-PLC Multilens cameras w/ wireless connectivity for two front parking lot poles
- Installation and configuration of 2 New P3719-PLC Multilens corner mounted cameras on building
- Installation and configuration of 2 New P3719-PLC Multilens cameras w/ wireless connectivity for Ring Road poles

Assumptions:

- Access to all areas needed
- Because of difficulty of cable pulls, customer agrees we can take existing network drops for use of new equipment
- IT support for getting network connectivity between PD and Water Treatment Plant. This will be required to utilize PD's Milestone
- Existing POE switchports available
- Poles will have CONSTANT power and 1 available 2 port outlet per pole

Here is the quote you requested (PURPLE)

- Installation and configuration of 2 corner mounted P3719-PLC multilens cameras on salt shed
- Installation and configuration of PtP Wireless link between shed and building

Assumptions:

- Access to all areas needed
- Available power outlet (2) near corner of camera install

Electrical Assumptions:

We have not included the following:

1. Overtime

2. Control or Low Voltage wiring
3. Permit fees
4. Change in scope
5. Unforeseeable conditions
6. Installation or mounting of any camera brackets or equipment

Line	Qty	Description	Unit Price	Ext. Price
1		INTERIOR REPLACE AND NEW CAMERAS		
2	2	AXIS M3116-LVE 4 Megapixel HD Network Camera - 65.62 ft - H.264, H.265, MJPEG - 2688 x 1512 Fixed Lens - RGB CMOS - Pole Mount, Ceiling Mount, Conduit Mount, Pendant Mount, Wall Mount, Gang Box Mount	\$387.18	\$774.36
3		EXTERIOR CAMERA 180 DEGREE (East Side)		
4	1	AXIS P3807-PVE 8.3 Megapixel HD Network Camera - Dome - MPEG-4, H.264, MJPEG - 4320 x 1920 Fixed Lens - RGB CMOS - Pendant Mount, Recessed Mount, Pole Mount - Impact Resistant	\$1,246.54	\$1,246.54
5		MILESTONE SERVER & LICENSES		
6	1	PowerEdge R440 Server 2.5" Chassis up to 10 HDDs,PERC/HBA11 Intel Xeon Silver 4210 2.2G, 10C/20T, 9.6GT/s, 13.75M Cache, Turbo, HT (85W) DDR4-2400 Windows Server 2019 Standard,16CORE,FI,No Med, No CAL, Multi Language iDRAC9,Enterprise 16GB RDIMM, 3200MT/s, Dual Rank (OS)(2) 300GB 15K RPM SAS 12Gbps 512n 2.5in Hot-plug Hard Drive (RAID 1) (LIVE/ARCHIVE)(6) 2TB 7.2K RPM SATA 6Gbps 512n 2.5in Hot-plug Hard Drive (RAID 5)	\$6,983.30	\$6,983.30
7	9	XProtect Expert Device License	\$221.33	\$1,991.97
8	9	One year Care Plus for XProtect Expert Device License	\$40.32	\$362.88
9		MISC.		
10	3	1000FT Cat 6 Bulk Bare Copper Ethernet Network Cable UTP, Stranded, In-Wall Rated, 550MHz, 24AWG - Yellow	\$159.57	\$478.71
11	1	Current Technologies - Outdoor Device Installation Materials Bundle (for wireless access points, cameras or other devices)	\$48.44	\$48.44
12	2	Current Technologies - Indoor Device Installation Materials Bundle (for wireless access points, cameras or other devices)	\$18.23	\$36.46
13		LABOR		
14	1	Prevailing Wage Surveillance Labor	\$6,800.00	\$6,800.00
15		PARKING LOT POLES (2 Total)		
16	2	AXIS P3719-PLE 15 Megapixel HD Network Camera - Color - Dome - 3 mm Varifocal Lens - 2x Optical - Recessed Mount, Corner Mount	\$1,459.09	\$2,918.18
17	2	AXIS T98A18-VE Surveillance Cabinet - for Surveillance, Camera, Indoor, Outdoor	\$248.57	\$497.14
18	2	AXIS T91B57 Pole Mount for Network Camera - Gray - Gray	\$128.44	\$256.88
19	2	AXIS T91D61 Camera Mount for Surveillance Camera - 33 lb Load Capacity	\$77.62	\$155.24
20	2	AXIS T94N01D Ceiling Mount for Network Camera	\$82.24	\$164.48
21	2	AXIS 30 W Midspan - 120 V AC, 230 V AC Input - 1 x 10/100/1000Base-T Input Port(s) - 1 x PoE Output Port(s) - 30 W - Black	\$77.57	\$155.14

Line	Qty	Description	Unit Price	Ext. Price
22	3	Ubiquiti ETH-SP-G2 Surge Suppressor/Protector	\$13.86	\$41.58
23	3	Ubiquiti NanoStation NS-5AC IEEE 802.11ac 450 Mbit/s Wireless Access Point - 5 GHz - MIMO Technology - 2 x Network (RJ-45) - Gigabit Ethernet - Pole-mountable, Wall Mountable	\$146.33	\$438.99
24		LPR CAMERA FOR POLE BETWEEN ACCESS GATE AND SALT BARN (Same Pole as New P3719)		
25	1	AXIS Q1700-LE 2 Megapixel Outdoor Full HD Network Camera - Color - Bullet - 164.04 ft Infrared Night Vision - H.264, H.264 (MPEG-4 Part 10/AVC), H.264 BP, H.264 (MP), H.264 HP, Motion JPEG - 1920 x 1080 - 18 mm- 137 mm Varifocal Lens - 8x Optical - RGB CMOS - Backbox Mount, Conduit Mount, Pole Mount, Corner Mount, Bracket Mount - IK10 - IP66 - Weather Resistant, Impact Resistant, Vandal Resistant	\$1,281.45	\$1,281.45
26	1	AXIS T91B47 Pole Mount for Camera Mount, Camera Housing, Speaker, Radar Detector, Network Camera - White - 33.07 lb Load Capacity	\$83.85	\$83.85
27	1	Netonix 6 Port POE switch	\$253.10	\$253.10
28	1	54V 80 Watt POE Power Adapter Made for the WS-6-MINI	\$36.71	\$36.71
29		MILESTONE LICENSE		
30	1	XProtect Expert Device License	\$221.33	\$221.33
31	1	One year Care Plus for XProtect Expert Device License	\$40.32	\$40.32
32		LABOR		
33	1	Prevailing Wage Surveillance Labor	\$680.00	\$680.00
34		EXTERIOR CORNER CAMERAS ON BUILDING		
35	2	AXIS P3719-PLE 15 Megapixel HD Network Camera - Color - Dome - 3 mm Varifocal Lens - 2x Optical - Recessed Mount, Corner Mount	\$1,459.09	\$2,918.18
36	2	AXIS T91D61 Camera Mount for Surveillance Camera - 33 lb Load Capacity	\$77.62	\$155.24
37	2	AXIS T94N01D Ceiling Mount for Network Camera	\$82.24	\$164.48
38	2	Axis T91A64 Corner Bracket - 55.12 lb Load Capacity	\$73.00	\$146.00
39		RING ROAD POLES (2 total)		
40	2	AXIS P3719-PLE 15 Megapixel HD Network Camera - Color - Dome - 3 mm Varifocal Lens - 2x Optical - Recessed Mount, Corner Mount	\$1,459.09	\$2,918.18
41	2	AXIS T98A18-VE Surveillance Cabinet - for Surveillance, Camera, Indoor, Outdoor	\$248.57	\$497.14
42	2	AXIS T91B57 Pole Mount for Network Camera - Gray - Gray	\$128.44	\$256.88
43	2	AXIS T91D61 Camera Mount for Surveillance Camera - 33 lb Load Capacity	\$77.62	\$155.24
44	2	AXIS T94N01D Ceiling Mount for Network Camera	\$82.24	\$164.48
45	2	AXIS 30 W Midspan - 120 V AC, 230 V AC Input - 1 x 10/100/1000Base-T Input Port(s) - 1 x PoE Output Port(s) - 30 W - Black	\$77.57	\$155.14
46	4	Ubiquiti ETH-SP-G2 Surge Suppressor/Protector	\$13.86	\$55.44
47	4	Ubiquiti NanoStation NS-5AC IEEE 802.11ac 450 Mbit/s Wireless Access Point - 5 GHz - MIMO Technology - 2 x Network (RJ-45) - Gigabit Ethernet - Pole-mountable, Wall Mountable	\$146.33	\$585.32

Line	Qty	Description	Unit Price	Ext. Price
48		MISC.		
49	1	Ubiquiti UB-AM Antenna Mount for Antenna - 10pk Ubiquiti Antenna Mount	\$69.32	\$69.32
50	6	Current Technologies - Outdoor Device Installation Materials Bundle (for wireless access points, cameras or other devices)	\$48.44	\$290.64
51		LABOR & BUCKET TRUCK		
52	1	Prevailing Wage Surveillance Labor	\$6,800.00	\$6,800.00
53	1	Bucket Truck Rate (1 week rental)	\$1,360.76	\$1,360.76
54		SALT SHED CAMERAS (Corner Mounted)		
55	2	AXIS P3719-PLE 15 Megapixel HD Network Camera - Color - Dome - 3 mm Varifocal Lens - 2x Optical - Recessed Mount, Corner Mount	\$1,459.09	\$2,918.18
56	2	AXIS T91D61 Camera Mount for Surveillance Camera - 33 lb Load Capacity	\$77.62	\$155.24
57	2	AXIS T94N01D Ceiling Mount for Network Camera	\$82.24	\$164.48
58	2	Axis T91A64 Corner Bracket - 55.12 lb Load Capacity	\$73.00	\$146.00
59	2	AXIS 30 W Midspan - 120 V AC, 230 V AC Input - 1 x 10/100/1000Base-T Input Port(s) - 1 x PoE Output Port(s) - 30 W - Black	\$77.57	\$155.14
60	2	AXIS T98A18-VE Surveillance Cabinet - for Surveillance, Camera, Indoor, Outdoor	\$248.57	\$497.14
61		MILESTONE LICENSES		
62	2	XProtect Expert Device License	\$221.33	\$442.66
63	2	One year Care Plus for XProtect Expert Device License	\$40.32	\$80.64
64		SWITCH & WIRELESS		
65	2	Ubiquiti ETH-SP-G2 Surge Suppressor/Protector	\$13.86	\$27.72
66	2	Ubiquiti NanoStation NS-5AC IEEE 802.11ac 450 Mbit/s Wireless Access Point - 5 GHz - MIMO Technology - 2 x Network (RJ-45) - Gigabit Ethernet - Pole-mountable, Wall Mountable	\$146.33	\$292.66
67	1	Netonix 6 Port POE switch	\$253.10	\$253.10
68	1	54V 80 Watt POE Power Adapter Made for the WS-6-MINI	\$36.71	\$36.71
69	1	Current Technologies - Outdoor Device Installation Materials Bundle (for wireless access points, cameras or other devices)	\$48.44	\$48.44
70		LABOR		
71	1	Prevailing Wage Surveillance Labor	\$2,720.00	\$2,720.00
72		ELECTRICAL		
73	1	CAMERAS AT REAR LIGHT POLES	\$9,591.46	\$9,591.46
		• Furnish and install one (1) 20 Amp. 120V. branch circuit from existing panel "LP1A" to each light pole - o Conductors will be upsized to #10 AWG due to distance • Provide labor to pull conductors up two (2) light poles to an elevation of approximately 15' in height • Furnish and install one (1) receptacle with weatherproof cover on each pole		

Line	Qty	Description	Unit Price	Ext. Price
		• Provide labor to test for proper operation upon completion - o All trenching, directional boring, backfilling, raceway, handholes and/or quartzite boxes by others		
74	1	CAMERA AT FRONT LIGHT POLE • Provide labor to extend existing circuit to light pole from handhole • Provide labor to pull conductors up two (2) light poles to an elevation of approximately 15' in height • Furnish and install one (1) receptacle with weatherproof cover on each pole • Provide labor to test for proper operation upon completion - o All trenching, directional boring, backfilling, raceway, handholes and/or quartzite boxes by other	\$6,073.17	\$6,073.17
75	1	CAMERAS ON BARN • Furnish and install conduit, back boxes, and receptacles at an elevation of approximately 15' on the interior of the barn structure from existing receptacles to two (2) proposed camera locations • Provide labor and material to extend existing circuits from existing receptacles to two (2) proposed camera locations • Furnish and install one (1) receptacle with weatherproof cover at each of the two (2) camera locations • Provide labor to test for proper operation upon completion	\$4,725.61	\$4,725.61
SubTotal				\$70,967.84

This quote is subject to Current Technologies' Terms and Conditions located at <http://www.currenttech.net/terms>
 Product and labor orders over \$2,500 require 50% payment up front, 50% due within 15 days of receipt or upon completion of project. Shipping/Handling & applicable sales tax are not included in this quote and will be invoiced. The following items require prepayment in full: Software, Hardware/Software Maintenance Contracts & Support & Thermal Cameras.

To order, please sign and email to orders@currenttech.net or request an e-signature link from your salesperson

Agreed and Accepted by _____ Date _____ PO# _____



Current Technologies

Steve Boonstra

Jul 26, 2022

Site: **West Chicago Water Treatment Plant**

1400 Hawthorn Ln West Chicago, IL, 60185

Survey: **West Chicago Water Treatment Plant-Survey-Overview**

Survey Overview



[Survey Layout](#)

Element & Container

Icon	Element Name	Element ID	System Type	Description	Location
	Fixed Camera	Exist (Replace)	Video Surveillance		
	Fixed Camera	NEW M3116-LVE	Video Surveillance		
	Fixed Camera	REMOVE	Video Surveillance		
	Fixed Camera	Exist (Replace)	Video Surveillance		
	Fixed Camera	NEW P3719-PLE	Video Surveillance		
	Fixed Camera	NEW P3719-PLE	Video Surveillance		
	Fixed Camera	Exist (Replace)	Video Surveillance		
	Fixed Camera	NEW P3719-PLE	Video Surveillance		
	Fixed Camera	Exist (Replace)	Video Surveillance		
	Fixed Camera	NEW P3807	Video Surveillance		
	Server	MDF MILESTONE	Video Surveillance		
	Fixed Camera	NEW P3719 SALT	Video Surveillance		
	Fixed Camera	NEW P3719 SALT	Video Surveillance		
	Fixed Camera	LPR	Video Surveillance		
	General Component	WIRELESS PTP	Infrastructure		

	General Component	WIRELESS PTP	Infrastructure
	General Component	WIRELESS PTP	Infrastructure
	General Component	WIRELESS PTP	Infrastructure
	General Component	WIRELESS PTP	Infrastructure
	General Component	WIRELESS	Infrastructure
	General Component	WIRELESS	Infrastructure
	General Component	WIRELESS PTP	Infrastructure
	Flex Cable Path	TRENCH ELECTRIC	Infrastructure
	Flex Cable Path	TRENCH ELECTRIC	Infrastructure
	General Component	WIRELESS PTP	Infrastructure

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 22-R-0045– Adopt-A-Highway Program –
West Chicago Garden Club

AGENDA ITEM NUMBER:4.F.**COMMITTEE AGENDA DATE:** August 4, 2022**COUNCIL AGENDA DATE:** August 15, 2022**STAFF REVIEW:** Mehul T. Patel, P.E., CFM, Director of Public Works**SIGNATURE** _____**APPROVED BY CITY ADMINISTRATOR:** Michael L. Guttman**SIGNATURE** _____**ITEM SUMMARY:-**

On June 5, 1995, the City of West Chicago adopted Ordinance No. 2904, which established an Adopt-A-Highway Program with respect to the collection of litter in the street rights-of-way within the corporate limits of the City with various civic, not for profit organizations and other commercial and private enterprises.

The West Chicago Garden Club has applied for participation in the City's Adopt-A-Highway Program to collect litter within the right-of-way of Hawthorne Lane between Woodside Drive and Harvester Road. The term is for a minimum of two years and will continue in full effect until such time notice of termination is provided by mutual agreement between the City of West Chicago and the West Chicago Garden Club.

Staff recommends approval of the attached application and Resolution No. 22-R-0045 authorizing the Mayor to execute an Agreement pursuant to the Illinois Adopt-A-Highway Act between the City of West Chicago and the West Chicago Garden Club.

ACTIONS PROPOSED:

Approve Resolution No. 22-R-0045 authorizing the Mayor to execute an Agreement pursuant to the Illinois Adopt-A-Highway Act between the City of West Chicago and the West Chicago Garden Club for Hawthorne Lane between Woodside Drive and Harvester Road.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 22-R-0045

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE
AN AGREEMENT PURSUANT TO THE ILLINOIS ADOPT-A-HIGHWAY ACT
BETWEEN THE CITY OF WEST CHICAGO AND THE WEST CHICAGO
GARDEN CLUB FOR HAWTHORNE LANE BETWEEN WOODSIDE DRIVE
AND HARVESTER ROAD.

BE IT RESOLVED by the City Council of the City of West Chicago, in
regular session assembled, that the Mayor is hereby authorized to execute an
Agreement pursuant to The Illinois Adopt-A-Highway Act between the City of West
Chicago and the West Chicago Garden Club, a copy of which is attached hereto and
incorporated as Exhibit "A".

APPROVED this 15th day of August, 2022

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

Deputy City Clerk Valeria Perez



ADOPT-A-HIGHWAY PROGRAM

City of West Chicago
Attn: Director of Public Works
Public Works Department
475 Main Street
West Chicago, IL 60185
Phone: 630/293-2255

Organization Name: WEST CHICAGO GARDEN CLUB

Name of President / Chairman: DAN BEEBE

Name of Applicant: DAN BEEBE

Telephone: 630.816.8096 | 1
(Days) (Evenings)

Mailing Address: dbeebe@yahoo.com

Approval is hereby requested to enter within public right-of-way to perform litter removal along the following highway:

Highway Name: HAWTHORNE LANE
(See list of available sections provided as Attachment B)

Beginning at: WOODSIDE DRIVE

Ending at: HARVESTER ROAD

Applicant: DAN BEEBE By: D. Beebe
(Please Print or Type) (Signature of Applicant)

APPLICATION PROCESS:

Please submit this completed application to the City of West Chicago by mail or hand delivery to City Hall, 475 Main Street West Chicago, Illinois 60185 to the attention of Mehul Patel, Director of Public Works. Once the application is received Public Works will submit a recommendation to the City Council for approval. Adopt-A-Highway applications will be approved at City Council meetings, which are held on the first and third Monday of every month. If approved the Public Works Department will contact the group's applicant, via letter to inform them of further instructions. Please review the attached list of responsibilities for Adopt-A-Highway groups and the City of West Chicago.

AGREEMENT

PURSUANT TO THE ILLINOIS ADOPT-A-HIGHWAY ACT

THIS AGREEMENT is made and entered into this 15th day of August 2022, by and between the City of West Chicago, an Illinois Municipal Corporation (the “CITY”), and the West Chicago Garden Club (the “GROUP”) (the CITY and the GROUP being collectively referred to as the “PARTIES”).

WITNESSETH

WHEREAS, the CITY is s a home rule unit of local government exercising the powers conferred upon such units of local government pursuant to the Illinois Municipal Code (65 ILCS, Act 5); and,

WHEREAS, the CITY as authorized to contract and otherwise associate with individuals, associations and corporations in any manner not prohibited by law or ordinance pursuant to Article VII, Section 10 (Intergovernmental Cooperation) of the Constitution of the State of Illinois; and,

WHEREAS, the CITY is authorized to establish an Adopt-A-Highway program with respect to street rights-of-way within the corporate limits of the CITY, and to contract with civic and not-for-profit organizations and commercial and private enterprises with respect to the collection of litter along such street rights-of-way, pursuant to the Illinois Adopt-A-Highway Act (the “ACT”) 605 ILCS 120/1 et seq.; and,

WHEREAS, the CITY has established procedures for applications for, and participation in, the CITY’S Adopt-A-Highway program; and,

WHEREAS, the GROUP desires, and has made application, to participate in the CITY'S Adopt-A-Highway program, on the terms and conditions set forth in this Agreement.

NOW, THEREFORE, in consideration of the foregoing recitals, the mutual covenants and agreements hereinafter set forth, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the PARTIES do hereby agree as follows:

ARTICLE I

INCORPORATION OF RECITALS

The PARTIES hereby confirm the truth and validity of their respective representations and recitations set forth in the foregoing recitals and do further acknowledge that they are material to this Agreement. Such recitals are hereby incorporated into and made a part of this Agreement as though they were fully set forth in this Article I.

ARTICLE II

INCORPORATION OF ACT

The PARTIES acknowledge that the Adopt-A-Highway program is governed by the ACT. The ACT, a copy of which is attached hereto and incorporated herein as Exhibit "A", is hereby incorporated into and made a part of this Agreement as though it was fully set forth in this Article II.

ARTICLE III

ADOPTED SECTION OF STREET RIGHTS-OF-WAY

The PARTIES hereby agree that the section, or sections, of street rights-of-way described in Exhibit "B", attached hereto and incorporated herein, shall be the GROUP'S adopted section, or sections, as that term is defined in the ACT.

ARTICLE IV

GROUP ACKNOWLEDGEMENT, INDEMNITY AND BINDING EFFECT

The GROUP acknowledges the hazardous nature of the work involved in the Adopt-A-Highway program. The GROUP agrees to comply with all of the terms and conditions set forth in the ACT, and the terms and conditions set forth in Chapter 15, Article II of the CITY'S Code of Ordinances.

The GROUP agrees to indemnify, assume all liability for and hold the State of Illinois and the CITY, their respective officers, agents and employees, harmless from any and all claims of action, including all costs and attorneys' fees in connection therewith, resulting from the GROUP'S members, volunteers and/or employees work in the Adopt-A-Highway program, except for the negligent acts of the State, the CITY, and their respective officers, agents or employees.

The GROUP further agrees that its members, volunteers and employees are jointly and severally bound by the terms and conditions of this Agreement.

ARTICLE V

RESPONSIBILITIES OF THE GROUP

The GROUP agrees to fulfill all of the responsibilities set forth at Section 25 of the ACT (605 ILCS 120/25), heretofore incorporated herein as Exhibit "A", in connection with the Adopt-A-Highway program. The GROUP further agrees that:

- A. No person shall participate in any litter collection activities pursuant to the Adopt-A-Highway program unless and until the GROUP has obtained and submitted to the CITY a release, in the form attached hereto and incorporated herein as Exhibit "C", executed by such person or, if such person is under eighteen (18) years of age, the parent or guardian of such person.
- B. The GROUP shall schedule all litter collection activities with the CITY'S Director of Public Works not less than seven (7) days prior to such activities, and shall at that time submit any participant releases not previously submitted and /or new releases for any participants who have attained the age of eighteen (18) years and for whom releases executed by a parent or guardian were previously submitted to the CITY.
- C. The GROUP shall not schedule any litter collection activities prior to the month of April, nor after the month of November, in any year.
- D. The GROUP shall not undertake any litter collection activities before dawn or after dusk on any day, or during any period of inclement weather.
- E. The GROUP shall not undertake any litter collection activities without first having posted temporary warning signs to inform motorists that work is being conducted along the adopted section(s) of street right-of-way, which signs shall be supplied by the CITY.
- F. The GROUP shall provide safety vests, gloves and litter pick up equipment for clean up activities.

ARTICLE VI

RESPONSIBILITIES OF THE CITY

The CITY agrees to fulfill all of the responsibilities set forth at Section 30 of the ACT (605 ILCS 120/30), heretofore incorporated herein as Exhibit "A", in connection

with the Adopt-A-Highway program, and to supply garbage bags and temporary warning signs to the GROUP or posting as provided hereinabove.

ARTICLE VII

REPRESENTATIVES OF THE CITY AND GROUP

The Director of Public Works of the CITY shall be the Director, as that term is defined in the ACT, of the Adopt-A-Highway program. The persons whose names are ascribed to this Agreement above the titles of president and coordinator shall be the respective GROUP President and GROUP Coordinator, as those terms are defined in the ACT, for the GROUP with respect to the Adopt-A-Highway program.

ARTICLE VIII

TERM

The term of this Agreement shall be for a minimum of two (2) years from and after the day and year first above written as provided by the ACT, and continue in full effect until such time notice of termination is provided by mutual agreement between both PARTIES.

ARTICLE IX

NOTICES

All notices hereunder shall be in writing and must be served either personally or by registered or certified mail to:

- A. The CITY at: CITY OF WEST CHICAGO
Attn: Mehul T. Patel, P.E., CFM
Director of Public Works
475 Main Street
West Chicago, Illinois 60185
- B. The GROUP at: West Chicago Garden Club
Attn: Dan Beebe
President
dbeebe@yahoo.com
- C. To such other person or place which any PARTY hereto, by its prior written notice, shall designate for notice to it from the other PARTY hereto.

IN WITNESS WHEREOF, the PARTIES have executed this Agreement by their proper officers duly authorized to execute same, the day and year first above written, and in so doing warrant that they possess full authority to execute this Agreement.

CITY OF WEST CHICAGO, an Illinois Municipal Corporation,

By: _____
Ruben Pineda, Mayor

ATTEST:

Valeria Perez, Deputy City Clerk

[GROUP]

By: _____
Chairman

By: _____
Coordinator

ATTEST:

EXHIBIT "A"

ROADS AND BRIDGES

(605 ILCS 120/) Illinois Adopt-A-Highway Act.

(605 ILCS 120/1)

Sec. 1. Short title. This Act may be cited as the Illinois Adopt-A-Highway Act.

(Source: P.A. 87-1118.)

(605 ILCS 120/5)

Sec. 5. Purpose. The Adopt-A-Highway program allows private citizens to support municipal, township, and county anti-litter efforts by allowing groups to adopt a section of highway for the purpose of litter collection. The following Sections set forth the uniform guidelines and requirements for the administration of Adopt-A-Highway programs in the State of Illinois.

(Source: P.A. 87-1118.)

(605 ILCS 120/10)

Sec. 10. Definitions. For purposes of this Act:

"Group" means members or employees of civic or not-for-profit organizations, and commercial or private enterprises, who have requested to participate, or are participating in, an Adopt-A-Highway program.

"Litter" means any unsightly or offensive matter that may include, but is not limited to, disposable packaging, containers, cans, bottles, paper, ashes, and cigar and cigarette butts. Litter does not include hazardous, heavy, large items, or carcasses.

"Group coordinator" means the individual selected by a group to serve as its liaison with a sponsoring jurisdiction.

"Group president" means the individual who is the recognized leader, president, or chairman for a group.

"Adopted section" means a length of municipal, township, county, or State right-of-way identified by the sponsoring jurisdiction as a safe, adoptable section of right-of-way for adoption by a group. Sections of rights-of-way may be determined inappropriate for adoption for safety reasons. No interstate highway shall be an adopted section.

"Director" means the designee or designees for any municipality, township, or county who has responsibility for the administration of a jurisdiction's Adopt-A-Highway programs.

"Sponsoring jurisdiction" means the Illinois Department of Transportation or any municipality, township, or county that establishes Adopt-A-Highway programs within its jurisdictional area.

(Source: P.A. 89-229, eff. 1-1-96.)

(605 ILCS 120/15)

Sec. 15. Participation in Adopt-A-Highway Program. Groups may apply to a sponsoring jurisdiction for participation in the jurisdiction's Adopt-A-Highway program. The sponsoring jurisdiction shall establish the terms and procedures groups must follow in applying for participation in the Adopt-A-Highway program.

(Source: P.A. 87-1118.)

(605 ILCS 120/20)

Sec. 20. Agreement.

(a) The sponsoring jurisdiction shall have sole responsibility in determining whether an application is rejected or accepted. If an application is approved, the group coordinator and group president shall execute a written agreement with the sponsoring jurisdiction that provides for the group's participation in the Adopt-A-Highway program.

(b) The agreement shall be in the form prescribed by the sponsoring jurisdiction and shall, at a minimum, contain the following:

(1) an acknowledgment by the group of the hazardous nature of the work involved in participating in the Adopt-A-Highway program;

(2) an agreement to comply with the terms and conditions in the Act and any other terms and conditions required by the sponsoring jurisdiction;

(3) an agreement that the volunteers or the volunteer's agents shall assume all liability for and hold the State and the State's agents or employees harmless from any and all claims of action resulting from the group's volunteers or agents work in the program, except for the negligent acts of the State, and the State's agents or employees;

(4) an agreement that the volunteers or the volunteer's agents shall assume all liability for and hold the sponsoring jurisdiction and the sponsoring jurisdiction's agents or employees harmless from any and all claims of action resulting from the group's volunteers or agents work in the program, except for the negligent acts of the sponsoring jurisdiction and the sponsoring jurisdiction's agents or employees;

(5) an agreement that the members of the group are jointly and severally bound by the terms and conditions set forth in the agreement; and

(6) the respective responsibilities of the group and the sponsoring jurisdiction as contained in Sections 25 and 30 of this Act.

(Source: P.A. 87-1118.)

(605 ILCS 120/25)

Sec. 25. Responsibilities of the group. Groups participating in an Adopt-A-Highway program shall:

- (1) be required to obey and abide by all laws and regulations relating to safety and any other terms and conditions as required by the sponsoring jurisdiction;
- (2) provide one adult supervisor for every 5 youths when persons under age 18 are present on an adopted section;
- (3) not allow a person under the age of 10 to be a member of the group who would be volunteering for the purpose of litter collection;
- (4) require all group members to attend a safety meeting conducted by the group before participation in any litter collection along an adopted section;
- (5) require the group coordinator, or designee, to conduct group safety meetings and to receive safety training as required by the sponsoring jurisdiction;
- (6) adopt a section for a minimum of 2 years;
- (7) collect litter along an adopted section 4 times a year, or as required by the director;
- (8) require the group coordinator to provide prior notice, as required by the director, whenever the group intends to collect litter along its adopted section;
- (9) require group members to properly wear any safety apparel provided by the sponsoring jurisdiction while collecting litter on an adopted section;
- (10) be responsible for prohibiting members from possessing, consuming, or being under the influence of alcohol or drugs while on an adopted section;
- (11) maintain a first-aid kit and an adequate supply of drinking water while members are collecting litter along an adopted section;
- (12) place litter in trashbags provided by the sponsoring jurisdiction and place filled trashbags at a location on the adopted section as designated by the director; and
- (13) not subcontract or assign its duties or responsibilities to any other group or organization.

(Source: P.A. 87-1118.)

(605 ILCS 120/30)

Sec. 30. Responsibilities of the sponsoring jurisdiction. The sponsoring jurisdiction shall:

- (1) determine the specific section of right-of-way that is adopted;
- (2) erect a sign that conforms with Section 35 at each end of an adopted section with the name or acronym of the group displayed;
- (3) provide a group with garbage bags;

(4) provide a group with safety apparel and signs cautioning the public, if required by the sponsoring jurisdiction; and

(5) remove filled garbage bags from an adopted section as soon as practical after litter collection has occurred, and shall otherwise be responsible for removing litter from adopted sections only under unusual circumstances such as to remove large, heavy, or hazardous items.

(Source: P.A. 87-1118.)

(605 ILCS 120/35)

Sec. 35. Signs. Adopt-A-Highway signs shall be uniform Statewide in terms of shape, color, text, and location. The Illinois Department of Transportation shall develop and announce standards for Adopt-A-Highway signs within 90 days of the effective date of this Act. Nothing in this Act shall prohibit the sponsoring jurisdiction and the Illinois Department of Transportation from working cooperatively to carry out the intent of the Adopt-A-Highway Program.

(Source: P.A. 87-1118.)

(605 ILCS 120/40)

Sec. 40. Safety training. The sponsoring jurisdiction shall develop the safety training programs that are to be utilized by group coordinators in compliance with Section 25 of this Act. Safety training programs shall be appropriate for the various types of roadway that may be adopted within a jurisdiction.

(Source: P.A. 87-1118.)

(605 ILCS 120/45)

Sec. 45. Other conditions.

(a) A sponsoring jurisdiction may establish other procedures and requirements for the administration of its Adopt-A-Highway programs. The procedures and requirements shall not be inconsistent with any provision of this Act.

(b) The sponsoring jurisdiction shall have the right to terminate an agreement if a group does not meet the terms and conditions of its agreement, or if the group's involvement in the Adopt-A-Highway program is inconsistent with any other restrictions or limitations established by the sponsoring jurisdiction.

(c) No part of this Act shall prevent the execution of intergovernmental agreements.

(Source: P.A. 87-1118.)

(605 ILCS 120/50)

Sec. 50. Penalty for Litter Control Act violation.

(a) An individual convicted of violating Section 4 or Section 5 of the Litter Control Act by disposing of litter upon a public highway may be required to adopt for 30 days a designated portion of that highway, including the site where the offense occurred.

(b) Item (2) of Section 30 of this Act does not apply when an individual is required to adopt a portion of a highway under this Section.

(Source: P.A. 94-1044, eff. 1-1-07.)

(605 ILCS 120/100)

Sec. 100. This Act takes effect upon becoming law.

(Source: P.A. 87-1118.)

Exhibit "B"

Sec. 15-8. Street rights-of-way included in program.

The following street rights-of-way, or sections of street rights-of-way, shall be included in the Adopt-A-Highway Program and shall be eligible for adoption by a group:

42) Hawthorne Lane, Woodside Drive to Harvester Road

(Ord. No. 2904, § 2, 6-5-95; Ord. No. 05-O-0062, § 2, 8-1-2005; Ord. No. 08-O-0013, § 1, 2-18-2008)

LIABILITY WAIVER FOR PARTICIPANT

As a participant (or as the parent or guardian of a participant under eighteen (18) years of age) in the City of West Chicago's Adopt-A-Highway program, I recognize that there are certain risks of physical injury associated with such activities. I agree to assume the full risk of any injuries, including death, damages and/or loss which I (or the minor participant) may sustain as a result of participation in any and all activities connected with or associated with the program.

I do hereby fully release and discharge the City of West Chicago, its officers, agents, employees, and its successors and assigns, from any and all claims from injuries, including death, damages or loss, which I (or the minor participant) may have or which may accrue on account of participation in the program.

I further agree to indemnify and hold harmless and defend the City of West Chicago, its officers, agents, employees, and its successors and assigns, from any and all claims resulting from injuries, including death, damages and losses sustained by me (or the minor participant) and arising out of, connected with, or in any way associated with the activities of the program.

I HAVE FULLY READ AND UNDERSTAND THE FOREGOING

Printed name of Participant

Printed name of parent or guardian
of participant under 18 years of age

Address

Address (if different from
participant)

Signature of participant (or parent or
guardian of participant under 18 years
of age)

Exhibit "C"

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 22-R-0046 – Contract Award – V3
Construction Group, LTD for the Special Service Area#2
Storm Outfall Repair Project in an Amount Not to Exceed
\$83,830.00

AGENDA ITEM NUMBER:

4. Gc

COMMITTEE AGENDA DATE: Aug 4, 2022

COUNCIL AGENDA DATE: Aug 15, 2022

STAFF REVIEW: Mehul T. Patel, P.E., CFM- Director of Public Works

SIGNATURE _____

APPROVED BY CITY ADMINISTRATOR: Michael L. Guttman

SIGNATURE _____

ITEM SUMMARY:

The Special Service Area#2 detention basin is located on the west side of Kress Creek south of Hawthorne Lane. The property the basin is on appears to be owned by the West Chicago Park District. The outfall appears to be on the City's property northwest of its Water Treatment Plant Facility. The outfall is for the storm lift station #8 which was originally constructed in 1984. The detention basin outfall into Kress Creek has failed and needs to be replaced. Additionally, erosion is occurring within the ditch north of Hawthorne Lane. The ditch north of Hawthorne Lane is mapped as Kress Creek. Drawings are available that show the ditch north of Hawthorne Lane, however it appears to have existed prior to these drawings, as early as 1939. Therefore, this area will be considered jurisdictional by DuPage County and the United States Army Corp of Engineers (USACE).

The City hired Engineering Resource Associates (ERA) to help prepare the plans and bid specifications in March 2021. ERA was also tasked with obtaining permits through DuPage County as well USACE for the in-stream work. The scope of work includes repairing the fallen storm outfall, installation of vegetated rock toe on either side of Kress Creek both north and south of Hawthorne lane as well as planting a seed mix conducive to high and low water levels. The plantings will also require three years of maintenance and monitoring to meet permit requirements.

The request for bids was advertised in the Daily Herald and on an online bidding platform QuestCDN on July 5, 2022. The bids were opened on July 26, 2022. The below table represents the bid results.

CONTRACTOR	BID SUBMITTAL AMOUNT	OVERALL RANK
V3 Construction Group, LTD	\$83,830.00	1
Fox Excavating, Inc.	\$130,274.00	2
Semper Fi Land Service, Inc.	\$139,685.00	3
ENGINEERS ESTIMATE	\$84,263.80	NA

The City has not previously worked with V3 Construction Group; however, ERA has worked with them on multiple different successful projects with positive outcome. Staff's recommendation is to award the contract for this project to V3 Construction Group, LTD for a contract amount not to exceed \$83,830.00.

The cost of this project will be paid using Sewer Fund (05-34-40-4806) where \$78,500.00 has been budgeted for this project in 2022; there are sufficient funds within the Sewer Fund to cover the difference between the budgeted amount and the lowest bid price.

CITY OF WEST CHICAGO

ACTIONS PROPOSED:

Approve Resolution No. 22-R-0046 authorizing the Mayor to execute a Contract with the lowest responsible bidder, V3 Construction Group, LTD of Woodridge, Illinois, for the Special Service Area#2 Strom Outfall Repair Project, for a contract amount not to exceed \$83,830.00.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 22-R-0046

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A CONTRACT WITH V3 CONSTRUCTION GROUP, LTD OF WOODRIDGE, ILLINOIS, FOR THE SPECIAL SERVICE AREA#2 STROM OUTFALL REPAIR PROJECT FOR A CONTRACT AMOUNT NOT TO EXCEED \$83,830.00

BE IT RESOLVED by the City Council of the City of West Chicago, in regular session assembled, that the Mayor is hereby authorized to execute a Contract with V3 Construction Group, LTD of Woodridge, Illinois, for the Special Service Area#2 Strom Outfall Repair Project, for a contract amount not to exceed \$83,830.00, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 15th day of August, 2022.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

Deputy City Clerk Valeria Perez

Figure 1: Condition of City Roads – Excluding Alleys

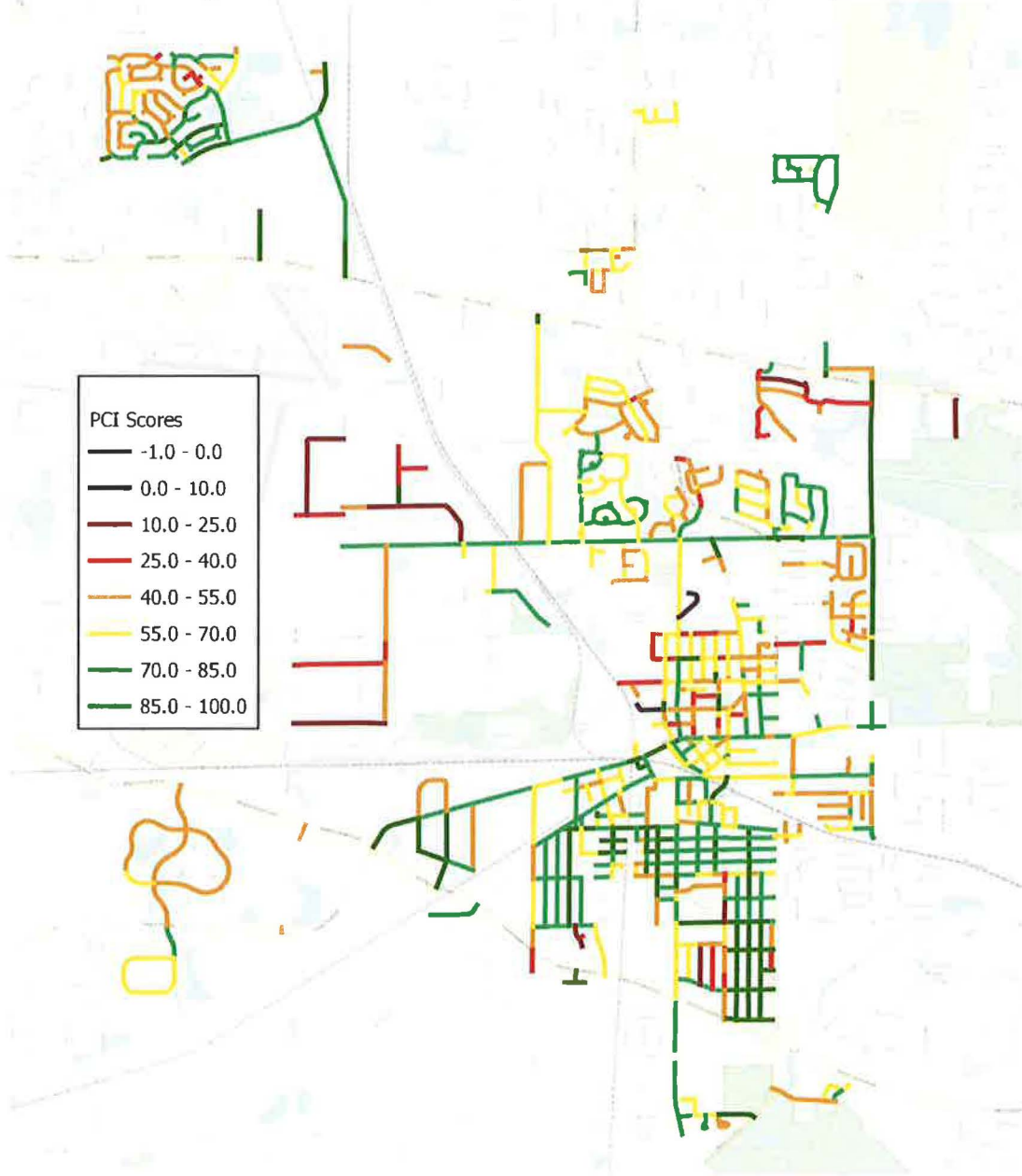


Figure 2: Road Condition by Segment – All Roads (excluding alleys)

Industrial Roads

The condition distribution of the City's Industrial roads is shown in Figure 3. Approximately 30.0 percent of these roads have a PCI score less than 40. An additional 41.3 percent of these roads are in Poor condition. Approximately 15.0 are in Fair