

CITY OF WEST CHICAGO

WHERE HISTORY & PROGRESS MEET

INFRASTRUCTURE COMMITTEE

**Thursday, March 2, 2023
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 February 2, 2023
3. Public Participation / Presentations
4. Items for Consent
 - A. Resolution No. 23-R-0020 – Layne Company – Professional Services Related to the Well Station No. 11 Rehabilitation Project for an Amount Not to Exceed \$220,429.00
 - B. Resolution No. 23-R-0021 – Change Order No. 1 – JSL Building Restoration Group, Inc. for the 2022 WTP Joint Sealant Replacement Project in the Not to Exceed Amount of \$29,400.00
 - C. Resolution No. 23-R-0022 – Great Lakes Urban Forestry Management. – Professional Services related to GIS Parkway Tree Inventory and Urban Forestry Management Plan in the not to exceed amount of \$51,370.00
 - D. Resolution No. 23-R-0023 – Contract Award – Brothers Asphalt Paving, Inc. for the 2023 Roadway Rehabilitation Project Base Bid in an Amount Not to Exceed \$1,650,677.26 and Reject the Alternate Bid
 - E. Resolution No. 23-R-0024 – Contract Award – Viking Brothers, Inc. for the Purchase of Course and Fine Aggregate Material Delivered for FY 2023 in an Amount Not to Exceed \$68,000.00
 - F. Resolution No. 23-R-0025 – Contract Award – Operations Maintenance International, Inc. (OMI) - for Professional Services Related to the Removal and Replacement of the Aeration Blowers Project at the West Chicago/Winfield Wastewater Authority Regional Wastewater Treatment Plant
 - G. Resolution No. 23-R-0026 – Contract Award – Swallow Construction Corp. for the 2023 Sophia Street Area Water Main and Streets Rehabilitation CDBG Project in an Amount Not to Exceed \$1,555,803.65
5. Items for Discussion
6. Unfinished Business

7. New Business
 - A. Bike Path Connectivity
8. Reports from Staff
9. Adjournment

Draft

MINUTES
INFRASTRUCTURE COMMITTEE

February 2, 2023 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, Alton Hallett, Joe Morano, and Jeanne Short present.

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

2. **Approval of Minutes**

A. **Infrastructure Committee Minutes of December 1, 2022.** Alderman Brown made a motion, seconded by Alderman Morano to approve the Meeting Minutes of December 1, 2022.

Roll call was taken. Voting Yea: Aldermen Beifuss, Brown, Dimas, Hallett, Morano, and Short. Voting Nay: 0. Abstaining: Alderman Garling.

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

4. **Items for Consent.** Alderman Beifuss requested discussion on Consent Item A, and Alderman Brown requested discussion on Consent Items B, C, D, E, F, and I. **Alderman Dimas made a motion, seconded by Alderman Hallett to approve:**

- G. Resolution No. 23-R-0009 – A Resolution Appropriating the Use of Motor Fuel Tax Funds for the City’s Construction Local Match and Construction Engineering for the Technology Boulevard Resurfacing Project (IDOT Contract 61J32, Section No. 20-00085-00-RS) in an Amount of \$386,500
- H. Resolution No. 23-R-0010 – A Resolution for Maintenance Appropriating the Use of Motor Fuel Tax Funds for City’s General Maintenance and Approving City’s Estimate of Maintenance Cost for FY 2023
- J. Resolution No. 23-R-0012 – Reimbursement Agreement for Preliminary Engineering Services with the Union Pacific Railroad Company for Design of Proposed Pedestrian Sidewalk At Grade Crossing on Harvester Road in the amount not to exceed \$50,000

- K. Resolution No. 23-R-0013 – Contract Award – Yellowstone Landscape – 2023 Parkway Tree Planting Program in an amount not to exceed \$44,720.00

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

5. Items for Discussion.

4.A. Ordinance No. 23-O-0001 – Authorizing the Execution of the Illinois Public Works Mutual Aid Network (IPWMAN) Agreement. Alderman Beifuss pulled this item for general information and to express his support of joining the Network. Mr. Patel elaborated that IPWMAN is a Statewide Mutual Aid System for Public Works agencies in Illinois. The City is able to receive aid from any participating member, and there are currently 330 member communities across the state. Alderman Brown also expressed her support of joining the Network. **Alderman Dimas made a motion, seconded by Alderman Garling to approve.**

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

4.B. Resolution No. 23-R-0003 – Authorizing the City Administrator to Enter into a Contract for the Supply of Electricity for the City's Water Treatment Plant, all Well Stations, and all Sanitary Lift Stations. Alderman Brown pulled this item for clarification on the contract dates. Mr. Patel clarified that the current contract expires on May 31, 2023, so NIMEC will seek bids on March 2, 2023, on behalf of the City and several other municipalities. This Resolution gives the City Administrator the authorization to sign a contract with the lowest cost supplier once the bids are received, given that prices can fluctuate rapidly, and the City would need to make an immediate decision on the day of the bid. **Alderman Brown made a motion, seconded by Alderman Dimas to approve.**

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

4.C. Resolution No. 23-R-0004 – Contract Execution – Clark Dietz, Inc. Amendment #1 for Professional Engineering Services related to the Headworks Influent Gate Replacement Project at West Chicago/Winfield Wastewater Authority Regional Wastewater Treatment Plant in the amount not to exceed \$25,320.00. Alderman Brown requested clarification on this contract. Mr. Patel explained that Clark Dietz, Inc. (CDI) was hired in 2021 to provide design engineering services for the replacement of two influent gates at the Wastewater Treatment Plant. The project was advertised in January 2022, and all bids were rejected due to them coming in much higher than the budgeted amount. Staff revised the budget for 2023 and combined this project with additional work in an effort to attract more bidders. Staff obtained a proposal from CDI as an amendment to the original contract to include the

additional scope of work and re-bid the project. **Alderman Brown made a motion, seconded by Alderman Hallett to approve.**

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

4.D. Resolution No. 23-R-0006 – Contract Award – Donohue & Associates, Inc. – A2O Phosphorous Removal Project for the West Chicago/Winfield Wastewater Authority Regional Wastewater Treatment Plant in the Not-to-Exceed Cost of \$288,570.00. Alderman Brown expressed concern regarding when the estimated project cost of \$4.2 million will come due. Mr. Patel explained that the current plan is to go to bid in late 2023, begin construction in 2024, and conclude in 2025; construction was intentionally split between two fiscal years for payment and budgeting purposes. The project is additionally designed to meet future limits anticipated, but not yet implemented, by the IEPA. Some discussion followed. **Alderman Brown made a motion, seconded by Alderman Short to approve.**

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

4.E. Resolution No. 23-R-0007 – Contract Award – Construction, Inc. for the First and Lower Level Renovation Project at 200 Main St in the Amount \$1,190,000.00. Alderman Brown asked for clarification regarding what the renovated space would be used for. Mr. Patel explained that his understanding was that the Art Gallery would occupy the first and lower levels in question. He also noted that the scope of this work does not include the second and third levels of the building, which may eventually be rented out. Alderman Brown expressed concern regarding possible recovery of any funds put into the building and wondered how the City would make any money back on this investment. Some discussion followed. **Alderman Brown made a motion, seconded by Alderman Dimas to approve.**

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

4.F. Resolution No. 23-R-0008 – Contract Execution – Matocha Associates for Architectural Construction Oversight Services related to the First Floor and Lower Level Renovation Project at 200 Main Street in an amount not to exceed \$60,000.00. Alderman Brown noted that her questions regarding Item 4.F were already addressed with her questions regarding related Item 4.E. **Alderman Dimas made a motion, seconded by Alderman Short to approve.**

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

4.I. Resolution No. 23-R-0011 – A Resolution Adopting the Complete Street Policy for New Construction Projects Affecting Public Right-of-Way and Public Spaces.

Alderman Brown asked if the Complete Streets Policy was ready for submittal and why it has not been implemented previously. Mr. Patel commented that it was a good question as to why a Complete Streets Policy had not be implemented in the past, and he did not know why that was the case. He went on to explain that having a written Policy will put the City in a better position to secure federal funding in the future since all federal grants give additional consideration to municipalities that have a written Complete Streets Policy. Some discussion followed. Aldermen Morano, Garling, and Brown all voiced their support of the written Policy and appreciated the work staff did to compile it. Mr. Shah noted that staff are also separately in the process of working on an ADA transition plan. **Alderman Garling made a motion, seconded by Alderman Hallett to approve.**

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

6. Unfinished Business. None.

7. New Business. Alderman Beifuss requested that staff come up with some preliminary options for bike connectivity throughout the City to be presented at the March 2023 Infrastructure Committee meeting. Mr. Patel noted that some points of interest had been identified previously, so staff can put together some maps of those locations and existing pathways to identify areas that may be connected.

8. Reports from Staff. Mr. Patel reported that 2023 will be quite busy with upcoming projects, and snow totals so far have not been very challenging for the City.

9. Adjournment. At 7:49 P.M., Alderman Hallett 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. 23-R-0020 – Layne Company – Professional Services Related to the Well Station No. 11 Rehabilitation Project for an Amount Not to Exceed \$220,429.00.

AGENDA ITEM NUMBER:4.A.**COMMITTEE AGENDA DATE:** March 2, 2023**COUNCIL AGENDA DATE:** March 20, 2023**STAFF REVIEW:** Mehul T. Patel, P.E., CFM, Director of Public Works**SIGNATURE****APPROVED BY CITY ADMINISTRATOR:** Michael L. Guttman**SIGNATURE****ITEM SUMMARY:**

Well No. 11, located at 2290 Smith Road, is one of the four City-owned shallow wells. The well assembly consists of a Byron Jackson Pump and a Type H Byron Jackson motor with a mercury seal, set at a depth of approximately 210 feet. The well is rated to pump 400 gallons per minute (gpm). The Well was constructed in 1996 and was last serviced in 2009. The 2009 project included replacement of the pump assembly, which had failed. Starting in 2017, Well No. 11 began to exhibit a decline in capacity (gpm). The well capacity is currently at 130 gpm. Reduced capacity is indicative of an overall problem with the well assembly. If left unchecked, the well assembly may experience complete failure or, in the worst case, the column pipe may separate and drop the assembly to the bottom of the casing, which is the pipe structure placed in the hole drilled in the earth to maintain the well opening.

The well assembly is due for inspection and service. Due to its history servicing the well and knowledge of original equipment installation, staff solicited a proposal from the Layne Company to pull, inspect, and rehabilitate the well assembly. Layne's proposal includes a complete rebuild and rehabilitation of the existing well equipment, including a television survey of the well casing. This proposal also contains estimated provisions for new column pipe, cable, cleaning and re-coating of the existing column pipe, and overall inspection of all well components. The estimated total for these services is \$220,429.00. Another item included in this proposal is a replacement of the well motor, if needed, for \$73,812. The existing motor has a mercury seal system, which needs to be inspected before reinstallation. Following service, the well assembly will be re-installed, tested, and returned to operation.

City staff recommends the rehabilitation of the well assembly before the start of our peak summer water system demand. Staff requests that the City Council authorize the Mayor to execute a professional services contract with Layne Company, for an amount not to exceed \$220,429.00, for services necessary to remove, inspect, repair, re-install, test, and place the well assembly at Well Station No. 11. There is \$210,000 budgeted in the Water Fund (06-34-47-4420) for needed pump station repairs.

ACTIONS PROPOSED:

Approve Resolution No. 23-R-0020 authorizing the Mayor to execute a contract with Layne Company for professional services related to the Well Station No. 11 Rehabilitation Project for an amount not to exceed \$220,429.00.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 23-R-0020

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A
CONTRACT WITH LAYNE COMPANY
FOR PROFESSIONAL SERVICES RELATED TO THE
WELL STATION NO. 11 REHABILITATION PROJECT
FOR AN AMOUNT NOT TO EXCEED \$220,429.00.**

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 Layne Company for professional services related to the Well Station No. 11 Rehabilitation Project for an amount not to exceed \$220,429.00, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 20th day of March 2023.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

Executive Assistant Valeria Perez



February 15, 2023

City of West Chicago
475 Main Street
West Chicago, IL 60185

Attn: Rocky Horvath, Water Superintendent

Re: Well No. 11 – 75HP Byron Jackson Type H Submersible Pump Repair

Rocky,

Per your request, we submit this letter as our proposal for the pulling, repairs, and reinstallation of the 75HP Byron Jackson submersible pump in Well No. 11.

The 75HP Byron Jackson submersible pump consists of a Baker pitless adapter, approximately 210' of 8" T&C line pipe, No. 2, 600V power cable, 1 - 8" surge control valve, a 5 Stage - 10MQL all bronze Byron Jackson bowl assembly, and a 75HP, 10", 4 pole, Type H Byron Jackson submersible motor.

Layne installed the new 75HP Byron Jackson submersible pump in 1999. Layne performed the only repair in 2009. In the last repair, the 75HP Byron Jackson motor was serviced, the all-bronze bowl assembly was installed from City storage (after the new water plant was put online), and all pipe was reused (and epoxy coated) after significant thread repairs & coupling replacements.

Well No. 11 was drilled in 1996 by Layne. The well was cased with 20" steel pipe to a depth of 75' followed by 19-1/4" open hole to the finished depth of 350'. In the 2009 pump repair, we brushed the borehole & bailed to a total depth of 344'.

Due to the nature of the situation, an exact cost cannot be determined until the pump has been pulled and inspected. However, for our proposal, we have developed the list below, which includes all items that we believe will be required, as well as some items that may be needed on this 75HP, Type H 460-volt Byron Jackson submersible well pump, in addition to possible well rehab work.

- Mobilization to the site, pull the pump, briefly inspect on-site, and measure the total depth and static water level.
- Television Survey of the well to check the integrity of the well casing and open borehole.

WATER RESOURCES

- Disassemble, inspect & probable rebuilding of the Byron Jackson bronze bowl assembly.
- Mobilize 8" column pipe to our yard; sandblasting for inspection; and remobilize back to site.
- Possible 8" T&C pipe repairs and re-epoxy coating, inside and out.
- Service the Byron Jackson motor – change oil, epoxy coat exterior, check the seal float, etc.
- Clean well borehole by brushing & bailing fill, if deemed necessary.
- New materials and well rehab contingencies.
- Reinstallation of the pump, including a test of the well and pump. (Note: our testing work is based upon City personnel operating all valving to allow us to pump to waste from an adjacent fire hydrant).

Please note that the 75HP Byron Jackson Type H mercury motor seal should be balanced, and the motor dewatered in accordance with our exclusive procedure. This will allow the motor to be put in the proper shipping position with the mercury seal secured and will minimize the potential for water entering the motor windings, which would result in damage to the motor.

Only Layne can provide a Byron Jackson factory authorized serviceman to complete this procedure properly. As a result of the new July 1, 2012, IEPA guidelines, we no longer conduct the seal servicing or motor dewatering over the well. To our knowledge Layne is the only contractor in the country that is currently utilizing a sealed motor service containment module that is transported to the project site to meet the new IEPA regulations. Our work will include complete adherence to these regulations.

A pump repair of this type is normally performed on a time and material basis. With this outdoor set-up, we would utilize a medium-sized Pump Service Rig and crew of 2 Men.

The listing of the items for our T&M estimate is broken down as follows:

• Mobilization, pulling, and brief inspection on the site with pump service crew	\$12,300.00
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• Hydro crane and crew to load and haul bowl, cable, motor, etc. to yard	\$1,450.00
• Disassemble, clean, & inspect all bronze bowl assembly	\$2,000.00
• Sandblast 8" pipe for inspection	\$2,000.00
• Complete servicing of 75HP Type H Byron Jackson motor, by Byron Jackson certified technician	\$5,900.00
• Hypot check of cable, lump sum	\$1,250.00
• Television survey of well, lump sum	\$1,600.00
• Rebuild 5 Stage – 10MQL Byron Jackson all bronze fitted bowl assembly, <i>if required</i> .	\$9,600.00
• Refurbish Baker pitless adapter spool	\$2,100.00
• Miscellaneous materials, such as, sodium hypochlorite, HTH tablets, stainless steel banding and buckles, etc.	\$750.00
• Mobilization of bowl, cable, and motor to site and unload	\$1,900.00
• Pump service crew for reinstallation of pump, testing, and demobilization	\$15,250.00
• Pump service crew for brushing and bailing of fill, 24 hrs.	\$12,300.00
• Power tong usage, per 8-hour shift – est. 4 at \$470.00	\$1,880.00
• Byron Jackson flat cable assembly	\$10,100.00

• 8" T&C replacement pipe contingency, 210 ft. @ \$78.00/ft.	\$16,380.00
• New No. 2, 600V jacketed power cable, 230 ft. @ \$25.90/ft	\$5,957.00
• 1 – 8" surge control valve @ \$1,450.00 ea.	\$1,450.00
• 10 – 8" API Pipe couplings @ \$260.00 ea.	\$2,600.00
• Cutting & rethreading of an estimated 10 non-coupling pipe ends.	\$3,050.00
• Mobilization of pipe, to & from our Aurora yard	\$4,100.00
• Sandblasting & epoxy coating of the 8" pipe, inside & out – 220' @ \$35/ft.	\$7,700.00
• 75HP Byron Jackson exchange motor	\$73,812.00
• Miscellaneous Repairs Contingency	\$5,000.00
• Miscellaneous well rehab contingency	\$20,000.00
TOTAL ESTIMATED COST	\$220,429.00

We assume the pump can be pulled in a normal fashion without the need for any fishing for its removal from the well.

If there are issues with the motor, requiring it be sent back to Flowserve/Byron Jackson for teardown & inspection, then a Byron Jackson 75HP factory exchange, Type M motor may be required. If so, the NET price to the City would be \$73,812.00, which includes the \$6,647.00 credit for the City's motor and shipping costs. The estimated time frame

for the factory exchange motor would be at least 12-14 weeks, after the City's Motor is inspected.

Once the pump has been removed, cleaned, & inspected, *Layne would provide an updated repair cost estimate BEFORE proceeding with any repairs.* Of course, if we encounter something needed that is out of the ordinary, we will include that in the updated estimate. This has been standard practice on the many repairs performed for the City in the past.

The Well Rehab contingency in the pricing schedule was added to hopefully cover any rehab work cost deemed necessary to help alleviate the black residue that is occasionally noticed from Well 11. The actual Scope of Work will be based upon a combination of the Water Systems Engineering Complete Profile Water Analysis Report recommendations and the future TV Survey observations. We also suggest the City review the recent flow & drawdown readings to check the present specific capacity. We will review all pertinent information together and decide upon the best course of action; right now, it appears that mechanical brushing and bailing, plus a super-chlorination, will be in order.

This proposal includes current pricing for any new 8" T&C line pipe needed. Our suppliers' quote is valid for only 7 days, so there is potential for an increase in the unit price when the job is executed (perhaps even a decrease is possible? We can hope).

The time to execute this work, of course, depends upon what work is done. But if the motor is reusable and we can completely service it in our Aurora Service Center as part of this repair, we would estimate the following time frames:

- Mobilize, pull & inspect. – 2 weeks
- Repairs – 4 to 6 weeks
- Possible Well Rehab – 1-1/2 weeks
- Reinstallation and testing – 1 week.

We appreciate the opportunity to submit this proposal and hopefully it meets your favorable response. If you have any questions, please don't hesitate to contact us.

Yours very truly,

Michael McDonald
Michael McDonald
Account Manager
Layne Christensen

Jason Gray
Jason Gray
Project Manager
Layne Christensen

Thomas P. Healy
Thomas P. Healy
Sr. Project Manager
Layne Christensen

WORK ORDER



Layne Christensen Company

721 W. Illinois Avenue, Aurora, IL 60506; Phone (630) 897-6941
229 W. Indiana Ave., P.O. Box 489, Beecher, IL 60401; Phone (708) 946-2244

Purchaser: City of West Chicago
Job Location: Well 11

SERVICE RATES - EFFECTIVE OCTOBER 1, 2022

	Straight Time		Overtime	Doubletime
	Per Hr.	8 Hr. Day	Per Hr.	Per Hr.
Serviceman w/hand tools	206.00	1648.00	309.00	412.00
Serviceman w/service truck and hand tools, or welder	246.00	1968.00	349.00	452.00
Helper	182.00	1456.00	273.00	364.00
Serviceman and 1 Helper	388.00	3104.00	582.00	776.00
<u>Small Rig or Winch Truck</u>				
1 Man Crew	257.00	2056.00	360.00	463.00
2 Man Crew	439.00	3512.00	633.00	827.00
3 Man Crew	621.00	4968.00	906.00	1191.00
<u>Middle Rig, Large Hoist or Flatbed Crane</u>				
1 Man Crew	274.00	2192.00	377.00	480.00
2 Man Crew	456.00	3648.00	650.00	844.00
3 Man Crew	638.00	5104.00	923.00	1208.00
<u>Big Rig, Large Hoist and Poles, or Large Crane</u>				
1 Man Crew	316.00	2528.00	419.00	522.00
2 Man Crew	498.00	3984.00	692.00	886.00
3 Man Crew	680.00	5440.00	965.00	1250.00
4 Man Crew	862.00	6896.00	1238.00	1614.00
Power Tong Usage, per 8 hour shift		470.00		
<u>Machine Shop/Yard Labor and Equipment</u>				
Machinist and Equipment	197.00	1576.00	286.00	375.00
12" Threading Machine and Operator	223.00	1784.00	312.00	401.00
Serviceman w/hand tools	178.00	1424.00	267.00	356.00
Helper	172.00	1376.00	258.00	344.00
Sandblast Equipment and 2 man crew	395.00	3160.00	570.00	745.00

Mileage: Auto: \$0.65 Pickup: \$0.90 1-Ton: \$1.35 2-1/2 Ton Flatbed: \$2.50 Semi-Tractor: \$4.00

Subsistence-Per Man

Over 55 miles radius from home office.....\$68.00 + Hotel

The undersigned Purchaser hereby instructs Layne Christensen Company (Contractor), to proceed with the work described with the understanding that the Terms and Conditions shown on the reverse are hereby incorporated as part of this Quotation and with the specific understanding that Contractor will not be held liable for any damage in any way whatsoever for failure to complete the described work, nor for any injury or damage resulting from Contractor's efforts to perform such work, or for delay on Contractor's part in completing same. All work described herein will be provided as quoted above or on a cost plus basis at the hourly rates provided. All quotes indicated, if any, are estimates based on the best information available prior to beginning work. Purchaser's pumps, motors, parts and/or accessories may be stored by the Contractor for sixty (60) days from the date of invoice or other written notice from Contractor. After said sixty (60) days, disposal of such equipment may be made by the Contractor without incurring any liability. All hours worked before or after Contractor's normal work day hours and all hours worked on Saturdays, will be billed at time and one-half rates. All work on Sundays and/or any federally recognized holiday will be billed at double time rates.

REMARKS:

T&M estimate per the attached proposal.

Work Authorized on Behalf of Purchaser By: _____

Date: _____

Title: _____

TERMS AND CONDITIONS

LIABILITY OF CONTRACTOR: Contractor shall not be liable for any bodily injury, death, or injury to or destruction of tangible property except as the same may have been caused by the negligence of Contractor. In no event shall Contractor be liable for any delays or special, indirect, incidental or consequential damages. Purchaser agrees that the total limit of Contractor's liability (whether based on negligence, warranty, strict liability or otherwise) hereunder, shall not exceed the aggregate amount due Contractor for services rendered under this contract. All claims, including claims for negligence or any other cause whatsoever, shall be deemed waived unless made in writing and received by Contractor within one (1) year after Contractor's completion of work hereunder.

INSURANCE: Contractor shall provide workers' compensation insurance, public liability and property damage insurance covering its employees and operation. Purchaser, at its option, may maintain such insurance as will protect it against claims arising out of the work.

REIMBURSABLE COST: In addition to the hourly charge provided on the face of this contract, Purchaser will reimburse Contractor for travel and living expenses necessarily incurred by the Contractor in the performance of the work, minor incidental expenses such as overnight mail, telephone and petty cash expenditures necessarily incurred, cost of removal of all debris if so directed by Purchaser, sales, consumer, use and similar taxes required by law and the cost of permits and all licenses necessary for the execution of the work. The foregoing costs shall be billed at actual cost plus fifteen percent (15%) unless otherwise agreed upon.

PRICE ADJUSTMENT: Any cost estimates or time frames stated herein are subject to equitable adjustment in the event of differing or unforeseeable conditions, changes in applicable laws after the date of this contract, unforeseeable delays or difficulties caused by acts of God, Purchaser or any third parties. Prices of goods acquired by Contractor from others shall be adjusted to reflect Contractor's price in effect at time of shipment. The price of Contractor's goods will be adjusted to the price in effect at time of shipment in accordance with Contractor's current escalation policies or as specifically covered in this contract.

TERMS: Thirty (30) days net from date of invoice. For extended projects, Contractor shall submit invoices on a monthly basis for any and all work completed and materials or equipment provided during the previous month. Past due invoices shall be subject to a delinquency charge of one and one-half percent (1-1/2%) per month (eighteen percent (18%) per annum) unless a lower charge is required under applicable law, in which case the lower rate shall apply. Purchaser agrees to pay all collection fees, attorneys' fees and costs incurred in the collection of any past due amounts arising out of this contract. Contractor shall have the right to immediately terminate this contract without further liability if Purchaser fails to make timely payment or otherwise materially breaches this contract.

MATERIAL SHORTAGES AND COST INCREASES: If any portion of materials or equipment which Contractor is required to furnish becomes unavailable, either temporarily or permanently, through causes beyond the control and without the fault of Contractor, then in the case of temporary unavailability any completion time frames shall be extended for such period of time as Contractor shall be delayed by such above-described unavailability, and in the case of permanent unavailability Contractor shall be excused from the requirement of furnishing such materials or equipment. Purchaser agrees to pay Contractor any increase in cost between the cost of the materials or equipment which have become permanently unavailable and the cost of the closest substitute which is then reasonably available.

DELAYS: If Contractor is delayed at any time in the progress of work by labor disputes, fire, unusual delays in transportation, unavoidable casualties, weather, or any cause beyond Contractor's reasonable control, then any completion time frames shall be extended by a reasonable period of time, at least equal to the period of delay.

CHANGED CONDITIONS: The discovery of any hazardous waste, substances, pollutants, contaminants, underground obstructions or utilities on or in the job site which were not brought to the attention of Contractor prior to the date of this contract will constitute a materially different site condition entitling Contractor, at its sole discretion to immediately terminate this contract without further liability.

ESCALATION: This contract is made with the understanding that Contractor will be able to begin and continuously proceed with its work on or before the proposed start date on the reverse side hereof. In the event Contractor is unable to commence its work on or before said date because the project is not ready for Contractor's work, Contractor will charge Purchaser the amount of increase in Contractor's cost attributable to such delay, plus Contractor's normal overhead percentage.

GUARANTEE AND LIABILITY: Contractor warrants that its labor supplied hereunder shall be free from defect and shall conform to the standard of care in effect in its industry at the time of performance of such labor for a period of twelve (12) months after substantial completion of Contractor's work. Contractor agrees, to the extent it is permitted, to pass on any warranties provided by the manufacturers of materials and/or equipment furnished under this contract. Contractor itself provides no warranty, express, implied or otherwise, on any such materials or equipment. Contractor will not be responsible for: work done, material or equipment furnished or repairs or alterations made by others.

For any breach hereunder, Contractor shall be liable only for the value of the installation work or, if it wrongfully fails to install, then its liability is limited to the difference between the contract price herein, and the value of other similar installation work. If Contractor's breach damages any materials or equipment furnished hereunder, Contractor shall only be liable for the value of such materials or equipment. Under no circumstances will Contractor be liable for consequential, special or indirect damages, including without limitation, any crop loss or damage, damage to other equipment, structures or property, nor for any other similar or dissimilar damages or losses whether due to delay, failure to furnish or install, delay in installation, defective material or equipment, defective workmanship, defective installation, delay in replacing, nor for any cause or breach whatsoever. In any event, Contractor's total liability towards Purchaser for alleged faulty performance or nonperformance under this contract shall be limited to the total contract price. No materials, equipment or services contracted herein carries any guarantee not mentioned in this contract. THE ABOVE WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED.

TITLE AND OWNERSHIP: In case of default on Purchaser's part, Contractor shall have the right to enter the premises upon which any material or equipment furnished herein have been installed and retake such goods not then paid for and pursue any further remedy provided by law, including recovery of attorneys' fees and any deficiency to the maximum extent and in the manner provided by law. Such materials and equipment shall retain their character as personal property of Contractor until payment in full is received by Contractor, regardless of their mode of attachment. Unless prior specific written instructions are received to the contrary, surplus and replaced materials and equipment resulting from repair or installation work shall become the property of Contractor.

DELIVERY: Shipment schedules and dates, expressed or implied, are contingent on normal conditions. Contractor will not be responsible for any delays in shipment or completion caused by factors beyond its control such as, but not limited to, suppliers' failures, accidents, work stoppages or operation of or changes in the law. Shipments will be made as promptly as Contractor's ability to obtain materials and/or equipment and scheduling will permit. No delay in shipments or variances from shipping schedule shall be cause of cancellation or any claim for damage. Any changes in layout or design requested after acceptance of this contract will be made at Purchaser's additional cost. Any such change and/or time taken to supply engineering data or to approve drawings will automatically extend shipping schedules. Equipment will be shipped "knocked down" to the extent Contractor considers necessary, with small parts stripped from equipment and crated. On and after delivery to the carrier for transportation to the Purchaser's site, Purchaser shall be responsible for all loss or damage to materials or equipment due to any cause, including but not limited to loss or damage resulting from casualty.

INDEMNIFICATION: Purchaser agrees to indemnify and hold Contractor, its directors, officers, stockholders, employees, agents and subcontractors, harmless from and against any and all claims, demands, causes of action (including third party claims, demands or causes of action for contribution or indemnification), liability and costs (including attorneys' fees and other costs of defense) asserted and/or filed by Purchaser or any third party(ies), including without limitation Purchaser's employees, and arising out of or as a result of: (i) the presence of Contractor or its subcontractors at the job site, (ii) the work performed by Contractor or its subcontractors, or (iii) any negligent act or omission of Purchaser, its employees, agents, consultants, other contractors or any person or entity under Purchaser's control; except to the extent that such claims, demands, causes of action, liabilities or costs are caused by the negligence of Contractor or its subcontractors.

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 23-R-0021 – Change Order No. 1 – JSL Building Restoration Group, Inc. for the 2022 WTP Joint Sealant Replacement Project in the Not to Exceed Amount of \$29,400.00

AGENDA ITEM NUMBER:4.B.**COMMITTEE AGENDA DATE:** March 2, 2023**COUNCIL AGENDA DATE:** March 20, 2023**STAFF REVIEW:** Mehul Patel, P.E., CFM, Director of Public Works**SIGNATURE****APPROVED BY CITY ADMINISTRATOR:** Michael L. Guttman**SIGNATURE****ITEM SUMMARY:**

The Water Treatment Plant (WTP) is constructed of pre-cast concrete panels that are bolted together and bolted to interior framing for the building. The joints between these panels are sealed with a silicone compound that keeps out wind and moisture. In 2021, a determination was made to have the sealant replaced in all external joints based on a spot survey performed by the staff as there are visible signs of water intrusion in the building.

On October 17, 2022, the City Council approved Resolution No. 22-R-0064 awarding the 2022 WTP Joint Sealant Replacement Project to JSL Building Restoration Group, Inc. for \$139,675.00. The project got underway soon after the award but came to a stop due to material shortages as well as weather conditions. The project is currently about 70% complete with the balance of work to begin in the spring 2023. During the construction, the crews identified joint failures around the windows on the fourth floor of the WTP. This work was not part of the original sealant work. JSL has provided a quote to remove and reseal the joints around the windows for \$29,400. This will bring the total project cost to \$169,075. This will also push the completion date of the project to April 30, 2023.

There are adequate funds in the Water Fund, Water Treatment Plant Operations – Building Repair (06-34-48-4401) to cover this expenditure.

ACTIONS PROPOSED:

Approve Resolution No. 23-R-0021 authorizing the Mayor to execute Change Order No. 1 with JSL Building Restoration Group, Inc., of Franklin Park, Illinois, for the 2022 WTP Joint Sealant Replacement Project in an amount not to exceed \$29,400 for a revised contract value of \$169,075.00

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 23-R-0021

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE
CHANGE ORDER NO. 1 WITH JSL BUILDING RESTORATION GROUP,
INC., OF FRANKLIN PARK, ILLINOIS, FOR THE 2022 WTP JOINT
SEALANT REPLACEMENT PROJECT IN AN AMOUNT NOT TO EXCEED
\$29,400 FOR A REVISED CONTRACT VALUE OF \$169,075.00**

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 Change Order No. 1 with JSL Building Restoration Group, Inc., of Franklin Park, Illinois, for the 2022 WTP Joint Sealant Replacement Project in an amount not to exceed \$29,400.00 for a revised contract value of \$169,075.00, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 20th day of March 2023.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

Executive Assistant Valeria Perez

JSL

Building Restoration Group Inc.

10201 Franklin Ave. • Franklin Park, IL 60131-1527
Phone (847) 671-8888 • Fax (847) 671-7854
www.jslrestoration.com

TO: West Chicago Water Treatment
1400 W. Hawthorne Ln.
West Chicago, IL 60185

CONTACT NAME Joe Munder	DATE 12/9/2022
PHONE (630)293-2255	ORDER TAKEN BY Billy Messer
FAX	WORK APP. BY
CELL	EMAIL jmunder@westchicago.org
JOB NAME Window Perimeters	
ADDRESS 1400 W. Hawthorne Ln.	
CITY, STATE West Chicago, IL	ZIP 60185
INVOICE DATE	CUSTOMER POS

**Please sign this Proposal and return original along with 30% deposit to our office.*

J.S.L. BUILDING RESTORATION GROUP, INC. ("CONTRACTOR") PROPOSES TO PERFORM THE FOLLOWING WORK/SERVICE:

Provide All Labor, Material, and Equipment to perform the following scope of work at West Chicago Water Treatment Plant. Location of Work shown on the attached Layout.

Scope of Work to Include:

Window Perimeter Sealant:

Remove 100% of the existing aged, deteriorated, and de-bonded sealant from the 7 window perimeters on the west and 7 on the East elevations of the main plant building. Location of Work shown in **RED** on the attached layout. Thoroughly clean joint edges in preparation for new sealant. Install the appropriately sized backer rod and/ or bond breaker tape and re-caulk joints using DowSil Silicone. Color of new sealant to match existing and/or as directed. Provide man lift to access scope of work.

Scupper Sealant:

Remove 100% of the existing deteriorated and de-bonded sealant from the 4 scuppers on the West and 4 on the East elevations of the main plant, with the aforementioned scope above. Location of Work shown in **YELLOW** on the attached layout. Color of new sealant to match existing and/or as directed.

East Elevation	\$ 11,500.00
Man Lift Rental (65' boom 2 weeks)	\$ 3,200.00
Total East:	\$14,700.00

West Elevation	\$ 11,500.00
Man Lift Rental (65' boom 2 weeks)	\$ 3,200.00
Total West:	\$14,700.00

Total East + West:	\$29,400.00
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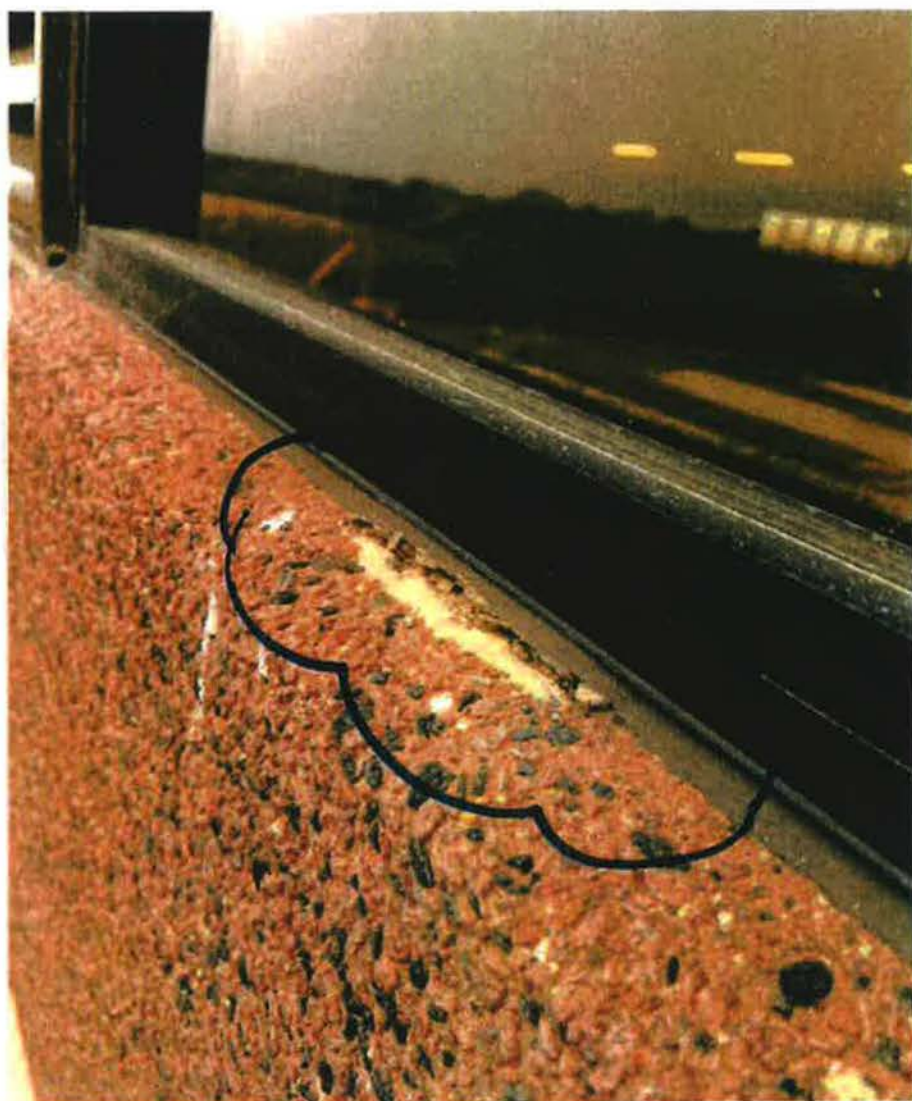
THE PRINTED TERMS AND CONDITIONS ON THE REVERSE SIDE ARE AN INTEGRAL PART OF THIS PROPOSAL.
PLEASE READ COMPLETELY BEFORE EXECUTING.

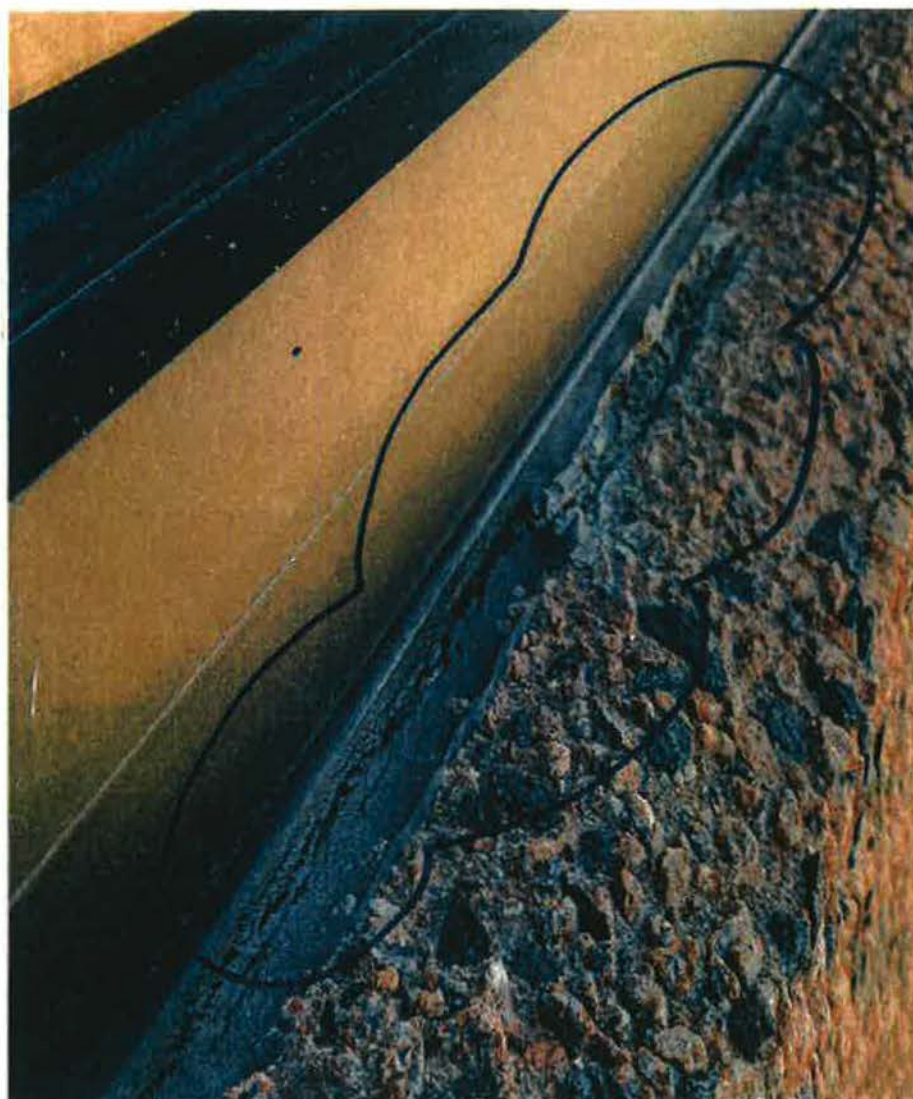
The prices, specifications, terms and conditions herein are satisfactory and are hereby accepted.
You are authorized to do the work as specified.

Customer Signature: _____ Date: _____

BALANCE

PAID





CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 23-R-0022 – Great Lakes Urban Forestry Management. – Professional Services related to GIS Parkway Tree Inventory and Urban Forestry Management Plan in the not to exceed amount of \$51,370.00

AGENDA ITEM NUMBER:4.C.**COMMITTEE AGENDA DATE:** March 2, 2023**COUNCIL AGENDA DATE:** March 20, 2023**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 of West Chicago Public Works Department applied for and received Urban and Community Forestry grant funds through the Morton Arboretum to complete a Citywide Geographical Information System (GIS) Parkway Tree Inventory as well as to prepare an Urban Forestry Management Plan (UFMP), which will become a guiding document for the City to manage its urban forest. The underlying funding source is the Illinois Department of Natural Resources and the United States Forest Service.

Due to the involvement of federal funds, staff determined it was best to secure a professional services firm through a Qualifications Based Selection (QBS) process, which while not mandatory for this specific type of grant funds, it is a widely used method for projects involving federal funds. A Most Qualified Firm (MQF) is selected based on the QBS evaluation process. On January 27, 2023, a public notice was advertised seeking a Statement of Qualifications (SOQ) from qualified firms for such professional services. On February 14, 2023, four SOQs were received and evaluated. Three personnel from the City staff evaluated the SOQs. Following are the results of the evaluation:

<u>Engineering Firms</u>	<u>Average Weighted Total</u>	<u>Overall Rank</u>
GREAT LAKES	85.83	1
DAVEY	77.22	2
THOMAS ENGINEERING	75.78	3
ARBORPRO	67.67	4

Based on the QBS process, Great Lakes Urban Forestry Management (Great Lakes) is determined to be the MQF for this Project. Staff solicited a cost proposal from Great Lakes following the QBS process. Great Lakes's scope of work will include parkway tree inventory data collection, map preparation that can be easily transferred to City's GIS system and preparation of the UFMP in accordance with the grant guidelines and requirements.

The FY 2023 Proposed Budget includes \$52,000 under the General Fund Forestry (01-09-22-4225) Fund. These costs will need to be initially funded by the City. The City will need to seek reimbursement through Morton Arboretum at the completion of the Project. The reimbursement amount is not to exceed \$25,000.

ACTIONS PROPOSED:

Approve Resolution No. 23-R-0022 authorizing the Mayor to execute a Professional Services Agreement with Great Lakes Urban Forestry Management related to the GIS Parkway Tree Inventory and Urban Forestry Management Plan Project in the amount not to exceed \$51,370.

CITY OF WEST CHICAGO

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 23-R-0022

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE
PROFESSIONAL SERVICES AGREEMENT WITH
GREAT LAKES URBAN FORESTRY MANAGEMENT
RELATED TO THE GIS PARKWAY TREE INVENTORY AND URBAN
FORESTRY MANAGEMENT PLAN PROJECT
IN THE AMOUNT NOT TO EXCEED \$51,370**

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 Agreement with Great Lakes Urban Forestry Management related to the GIS Parkway Tree Inventory and Urban Forestry Management Plan Project in the amount not to exceed \$51,370, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 20th day of March 2023.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

Executive Assistant Valeria Perez



1485 Louis Bork Drive, Unit #113
Batavia, IL 60510
630-762-2400 Fax 630/578-1304

February 22nd, 2023

City of West Chicago
475 Main Street
West Chicago, IL 60185

Attn: Mehul Patel, Director of Public Works

Re: Contract for Tree Inventory & Urban Forestry Management Plan

Dear Mehul,

Thank you for allowing us to provide you with a proposal for a Tree Inventory and Urban Forestry Management Plan for the City of West Chicago. We look forward to the possibility of working with you on this project.

Having performed dozens of inventories for municipal entities and parks departments over many years, we are aware of how much time, energy, and capital are invested in the management of the Urban Forest. Your tree inventory will be a valuable tool in the management of your tree population in the coming years, and the management plan will be a guiding light for your Urban Forestry program going forward.

Final deliverables will include a comprehensive GIS-based tree inventory for integration into the City's existing GIS, along with the Urban Forestry Management Plan. We are an industry-leading resource when it comes to the management of the urban forest and other municipal natural resources, and we look forward to working with you as part of your Urban Forestry Team to achieve your management objectives.

Regards-

Phil Graf, Great Lakes Urban Forestry Management

ISA Certified Municipal Arborist # IL 1553-AM



SCOPE OF WORK

I. GIS TREE INVENTORY

BASE MAP SETUP

Using GIS base data provided by the City and/or County, a base map and layering system shall be set up in our ArcGIS Online account for field data collection. The base map will display the following information:

- Aerial Photography
- Corporate Limits
- Streets/Street names
- Parcel lines
- Right of way limits

BASE INVENTORY DATA COLLECTION

This tree inventory is to include all street trees in the parkways, and managed (mowed) areas of City owned properties. This is not to include trees in unmanaged (wooded or natural areas).

Data in the field will be collected using mobile devices which have been connected via Bluetooth to a submeter accuracy GPS antenna. Data collection will be performed in real time using the Collector for ArcGIS mobile application to access the feature services directly. Data to be collected will be consistent with exactly with what is required in the Urban & Community Forestry Grant Program Contractor RFP. These data fields are:

- GPS location (along with Illinois State-Plane XY coordinates and/or WGS 84 coordinates).
- Status: Active Tree, Removed Tree, Stump, Planting Space
- Street Address and Relative Location (for street trees)

All trees are listed by address, street name, and the following site prefixes:

F – Front of the property

R – On the right side of the property

L – On the left side of the property

B - In the back of the property

M – If the tree was located in a planted median in between opposing lanes of traffic

The order of trees at a parcel with multiple trees will be in the direction of the flow of traffic. This holds true for any 1-way streets as well, in order to maintain convention. The front of the parcel is defined by the street its address is on, and this in turn defines the right, left, and back of the parcel. Therefore, a corner parcel with 3 trees in the front of the house and 2 on the right will have them listed as F1, F2, F3 and R1 and R2, with sequential trees being listed in the direction of the flow of traffic. In median situations where there is opposing traffic, M1, M2, and M3 (e.g.) will be listed sequentially from West to East, or North to South, depending on the orientation of the street. This is the same convention as reading, that is to say left to right and top to bottom.

- Land use (i.e., residential, business zone, natural area, park, etc.)
- Growing space (i.e., parkway, park, etc.)
- Species (Common and Latin name)

All tree species are recorded using common names and are identified to the species level. Specific cultivars, hybrids, or varieties will not be identified unless there is a programmatic need to do so. This is because certain genera such as Apple trees, Hybrid Elms, and other ornamentals have such great variation that it is unnecessarily time consuming to identify to this level. The deliverable database will have an open field for entering known cultivars.

- Size: DBH (Diameter at Breast Height, measured to the half inch and rounded to the full inch with a foresters diameter tape at 4.5' above ground level on the uphill side of the tree)
- Number of Stems
- Condition rating (1-5)
 - 1: Specimen Tree, no defects
 - 2: Above Average
 - 3: Average
 - 4: Below Average
 - 5: Dead or nearly so
- Risk assessment
 - Collected as None Observed, Elevated, Substantial, Critical
- Arborist Recommendation
 - A variety of recommendations for pruning, inspection, removal, risk assessment, etc based on our experienced arborists recommendations
- Recommendation Reasons (up to 2)
 - Up to 2 supporting reasons for our recommendation. These are things such as deadwood, presence of insects or disease, etc. Please note, for default recommendations such as "cycle prune", these fields may be left empty.
- General comments or notes
 - Comments are included as a courtesy to denote any conditions worthy of note, such as included bark, interference with utilities or street lamps, need for sidewalk or street clearance, limited growth space, poor form, or any other information that may be valuable. These comments are standardized as much as possible, though certain situations exist where nonstandard comments were utilized.

DATA QUALITY ASSURANCE / QUALITY CONTROL

All field-collected data from the inventory will be checked for geographic and tabular accuracy at the end of each week. All data fields in the tabular data will be queried in GIS for any null fields or inaccuracies and will have individual records verified or corrected where discrepancies are noted. All spatial point locations will be verified using a combination of aerial photography and spatial query. If there are point locations which were subject to multipath errors (i.e. points which did not show up on the map where they were supposed to be) their locations will be corrected using aerial orthoimagery and the tabular data we collected for those points. Quality assurance is performed at the end of every week of data collection by our staff in order to correct any issues promptly.

TREE INVENTORY DELIVERABLES

- Shapefile (.shp) or Geodatabase (.gdb) of all tree data
- Urban Forestry Management Plan (hardcopy and digital formats)
- All Tabular data (Hardcopy, Microsoft Excel, and PDF digital)
- A backup CD and Flash Drive (jump drive) containing digital copies of all the above.

II. URBAN FORESTRY MANAGEMENT PLAN

We will create an Urban Forestry Management Plan to meet the requirements of the Urban & Community Forest Grant Program. The plan will be consistent with exactly with what is required in the Urban & Community Forestry Grant Program Contractor RFP.

The plan will consist of the following six components:

1. Short- and long-term urban forest goals 2021-2031.
2. Recommended and prioritized urban forest management action items, based on a tree inventory. (ie., prioritized planting locations, a cyclical pruning schedule, etc.)
3. Specifications for planting, pruning, removals, and construction protection.
4. Required and recommended certifications, qualifications, and training for staff, contracted labor, and consultants.
5. Material and budget projections and considerations.
6. A program for education and outreach for residents.

PROJECT COST

\$51,370

* Progress Invoicing will be done for the tree inventory portion of this contract on a monthly basis based on the percentage of the street trees completed. The urban forestry management portion will be invoiced upon delivery of the first draft.

EXECUTION OF CONTRACT

The CITY OF WEST CHICAGO has agreed to enter into contract with GRAF TREE CARE, INC. (DBA GREAT LAKES URBAN FORESTRY MANAGEMENT) in the amount of \$51,370 for the project as detailed above.

We will consider your signing and returning one (1) original of this Agreement and as our authorization to proceed. This offer to provide services will remain valid for a period of 90 days from the date of as indicated below, after which time if it has not been accepted it will be subject to change. Thank you again for the opportunity to submit our proposal.

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement as of the day and year below written.

CLIENT:

CONSULTANT:

GRAF TREE CARE, INC.

BY: _____

BY:

Phil Draf

TITLE: _____

TITLE: President

DATE: _____

DATE: February 22nd, 2023

In accordance with Federal law and U.S. Department of Agriculture policy, this institution is prohibited from discriminating on the basis of race, color, national origin, sex, age, or disability. (Not all prohibited bases apply to all programs.) To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

This institution is an equal opportunity provider.

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CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 23-R-0023 – Contract Award – Brothers Asphalt Paving, Inc. for the 2023 Roadway Rehabilitation Project Base Bid in an Amount Not to Exceed \$1,650,677.26 and Reject the Alternate Bid

AGENDA ITEM NUMBER:

4.D.

COMMITTEE AGENDA DATE: March 2, 2023

COUNCIL AGENDA DATE: March 20, 2023

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

SIGNATURE



APPROVED BY CITY ADMINISTRATOR: Michael L. Guttman

SIGNATURE

ITEM SUMMARY:

The 2023 Roadway Rehabilitation Project (Project) includes resurfacing approximately 2.73 miles of various streets in the City as specified on the enclosed location map under the Base Bid category. The project's scope of work generally consists of pavement milling, hot-mix asphalt (HMA) resurfacing, full-depth HMA pavement patching, intermittent concrete sidewalk, including, ADA curb ramps, intermittent combination concrete curb and gutter removal and replacement, storm and sanitary sewer repairs, including storm and sanitary structure replacement and adjustments, parkway restoration, thermoplastic pavement markings, and all incidental and miscellaneous work necessary to complete the Project as shown on the Project plans and specifications.

For the 2023 construction season, staff anticipated a significant cost increase in construction materials such as HMA and portland cement concrete. Furthermore, industry-wide, a 20% cost increase for portland cement concrete items were anticipated due to cement shortages and fuel price increases. Therefore, 0.45 miles of streets were separated from the original Base Bid and included in the contract documents as an Alternate Bid. This method would provide the City Council an option to select the Alternate Bid if the total of Base and Alternate Bid prices were within the allocated FY 2023 budget. Project limits for alternate streets are also denoted in the enclosed location map.

The request for bids was advertised in the Daily Herald and on an online bidding platform QuestCDN on January 31, 2023. Staff opened bids on February 21, 2023, and below are the bid results:

CONTRACTOR	BASE BID SUBMITTAL AMOUNT	ALTERNATE BID SUBMITTAL AMOUNT	RANK (BASE BID)
Brothers Asphalt Paving, Inc.	\$1,650,677.26	\$326,086.84	1
Schroeder Asphalt Services, Inc.	\$1,654,149.60	\$321,716.00	2
A. Lamp Concrete Contractors, Inc.	\$1,724,184.45	\$325,240.15	3
Plote Construction, Inc.	\$1,751,770.50	\$344,734.30	4
J.A. Johnson Paving Co.	\$1,783,216.00	\$349,356.00	5
M & J Asphalt Paving Company, Inc.	\$1,812,888.55	\$353,265.70	6
ENGINEER'S ESTIMATE	\$1,623,562.40	\$301,616.55	N/A

Brothers Asphalt Paving, Inc. (BAP) of Addison, Illinois, submitted a base bid proposal value of \$1,650,677.26, which is approximately 1.7% higher than the engineer's estimated cost of \$1,623,562.40. The City has previously contracted with BAP to perform similar work, including various rehabilitation and resurfacing projects throughout the City in 2004, 2017, and 2022. All projects were completed satisfactorily. BAP is registered by the Illinois Department of Transportation as a prequalified contractor.

CITY OF WEST CHICAGO

Out of the \$3,071,200 allocated for Street Improvements under Capital Project Funds Account No. 08-34-53-4807, the FY 2023 budget includes \$1,626,800 for the Project. BAP's base bid proposal value of \$1,650,677.26 is \$23,877.26 over the budgeted amount. This cost increase will be offset by the available fund balance of \$550,000 in Account 08-34-53-4848 from the 200 Main Street Renovation Project.

Staff recommends awarding the 2023 Roadway Rehabilitation Project to the lowest responsible bidder, Brothers Asphalt Paving, Inc., for the Base Bid amount not to exceed \$1,650,677.26. Staff does not recommend selecting BAP's Alternate Bid due to budgetary constraints.

ACTIONS PROPOSED:

Approve Resolution No. 23-R-0023 authorizing the Mayor to execute a Contract with the lowest responsible bidder, Brothers Asphalt Paving, Inc. of Addison, Illinois, for a Base Bid contract amount not to exceed \$1,650,677.26 and to reject the Alternate Bid for the 2023 Roadway Rehabilitation Project.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 23-R-0023

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A CONTRACT
WITH BROTHERS ASPHALT PAVING, INC. OF ADDISON, ILLINOIS, FOR A
BASE BID CONTRACT AMOUNT NOT TO EXCEED \$1,650,677.26
AND REJECT ALTERNATE BID
FOR THE 2023 ROADWAY 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 the lowest responsible bidder, Brothers Asphalt Paving, Inc. of Addison, Illinois, for a Base Bid contract amount not to exceed \$1,650,677.26 and to reject the Alternate Bid for the 2023 Roadway Rehabilitation Project, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 20th day of March 2023.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

Executive Assistant Valeria Perez

BASE BID ITEMS																	
BID TABUALTION						Brothers Asphalt Paving Inc.		Schroeder Asphalt Services, Inc.		A. Lamp Concrete Contractors, Inc.		Plote Construction, Inc.		J.A. Johnson Paving Co.		M & J Asphalt Paving Company, Inc.	
2023 ROADWAY REHABILITATION PROJECT CITY OF WEST CHICAGO Bid Opening: February 21, 2023 @ 11:00 A.M.				BASE BID ENG. ESTIMATE		315 South Stewart Avenue Addison, IL 60101		P.O. Box 831 Huntley, IL 60142		1900 Wright Boulevard Schaumburg, IL 60193		1100 Brandt Drive Hoffman Estates, IL 60192		1025 E. Addison Court Arlington Heights, IL 60005		3124 S. 60th Court Cicero, IL 60804	
ITEM NO.	BASE BID ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	EST. UNIT PRICE	EST. BASE BID TOTAL	BID UNIT PRICE	BASE BID TOTAL	BID UNIT PRICE	BASE BID TOTAL	BID UNIT PRICE	BASE BID TOTAL	BID UNIT PRICE	BASE BID TOTAL	BID UNIT PRICE	BASE BID TOTAL	BID UNIT PRICE	BASE BID TOTAL
1	TREE ROOT PRUNING	EACH	35	\$ 120.00	\$4,200.00	\$78.00	\$2,730.00	\$83.00	\$2,905.00	\$50.00	\$1,750.00	\$75.00	\$2,625.00	\$75.00	\$2,625.00	\$100.00	\$3,500.00
2	EARTH EXCAVATION	CU YD	150	\$ 58.00	\$8,700.00	\$47.00	\$7,050.00	\$50.00	\$7,500.00	\$36.00	\$5,400.00	\$4.00	\$600.00	\$45.00	\$6,750.00	\$54.00	\$8,100.00
3	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	300	\$ 22.00	\$6,600.00	\$47.00	\$14,100.00	\$50.00	\$15,000.00	\$10.00	\$3,000.00	\$15.00	\$4,500.00	\$20.00	\$6,000.00	\$50.00	\$15,000.00
4	POROUS GRANULAR EMBANKMENT	CU YD	300	\$ 40.00	\$12,000.00	\$33.00	\$9,900.00	\$36.00	\$10,800.00	\$10.00	\$3,000.00	\$15.00	\$4,500.00	\$20.00	\$6,000.00	\$50.00	\$15,000.00
5	TOPSOIL FURNISH AND PLACE, 4" (RESTORATION)	SQ YD	2,159	\$ 10.00	\$21,590.00	\$7.80	\$16,840.20	\$8.00	\$17,272.00	\$2.00	\$4,318.00	\$6.75	\$14,573.25	\$6.75	\$14,573.25	\$9.00	\$19,431.00
6	SODDING, SALT TOLERANT (RESTORATION)	SQ YD	2,159	\$ 16.00	\$34,544.00	\$8.84	\$19,085.56	\$9.15	\$19,754.85	\$6.00	\$12,954.00	\$10.00	\$21,590.00	\$10.00	\$21,590.00	\$11.00	\$23,749.00
7	AGGREGATE BASE COURSE, TYPE B, 4-INCH	SQ YD	1,439	\$ 4.00	\$5,756.00	\$6.24	\$8,979.36	\$6.60	\$9,497.40	\$5.00	\$7,195.00	\$0.50	\$719.50	\$6.00	\$8,634.00	\$4.00	\$5,756.00
8	AGGREGATE BASE COURSE, TYPE B, 6-INCH	SQ YD	942	\$ 7.75	\$7,300.50	\$8.32	\$7,837.44	\$8.80	\$8,289.60	\$8.00	\$7,536.00	\$0.75	\$706.50	\$8.00	\$7,536.00	\$6.00	\$5,652.00
9	BITUMINOUS MATERIALS (TACK COAT)	POUNDS	27,730	\$ 0.01	\$277.30	\$0.10	\$2,773.00	\$0.01	\$277.30	\$0.01	\$277.30	\$0.01	\$277.30	\$0.01	\$277.30	\$0.01	\$277.30
10	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	21	\$ 200.00	\$4,200.00	\$400.00	\$8,400.00	\$200.00	\$4,200.00	\$250.00	\$5,250.00	\$80.00	\$1,680.00	\$85.00	\$1,785.00	\$380.00	\$7,980.00
11	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	362	\$ 5.20	\$1,882.40	\$5.00	\$1,810.00	\$5.00	\$1,810.00	\$15.00	\$5,430.00	\$19.00	\$6,878.00	\$12.00	\$4,344.00	\$10.00	\$3,620.00
12	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	1,725	\$ 110.00	\$189,750.00	\$111.00	\$191,475.00	\$110.00	\$189,750.00	\$115.00	\$198,375.00	\$127.00	\$219,075.00	\$109.00	\$188,025.00	\$120.00	\$207,000.00
13	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (1.5")	TON	3,451	\$ 87.00	\$300,237.00	\$92.00	\$317,492.00	\$87.00	\$300,237.00	\$94.00	\$324,394.00	\$90.00	\$310,590.00	\$86.00	\$296,786.00	\$98.00	\$338,198.00
14	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	732	\$ 82.00	\$60,024.00	\$65.52	\$47,960.64	\$69.00	\$50,508.00	\$79.50	\$58,194.00	\$63.00	\$46,116.00	\$63.00	\$46,116.00	\$78.00	\$57,096.00
15	PORTLAND CEMENT CONCRETE SIDEWALK 5 (TO 6 INCH, SPECIAL)	SQ FT	21,005	\$ 9.00	\$189,045.00	\$10.66	\$223,913.30	\$11.25	\$236,306.25	\$8.35	\$175,391.75	\$10.25	\$215,301.25	\$10.25	\$215,301.25	\$8.50	\$178,542.50
16	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	41,082	\$ 2.30	\$94,488.60	\$2.00	\$82,164.00	\$1.75	\$71,893.50	\$1.95	\$80,109.90	\$2.85	\$117,083.70	\$3.00	\$123,246.00	\$3.00	\$123,246.00
17	COMBINATION CURB AND GUTTER REMOVAL	FOOT	5,775	\$ 4.20	\$24,255.00	\$4.16	\$24,024.00	\$4.30	\$24,832.50	\$6.75	\$38,981.25	\$4.00	\$23,100.00	\$4.00	\$23,100.00	\$8.60	\$49,665.00
18	SIDEWALK REMOVAL	SQ FT	21,325	\$ 2.50	\$53,312.50	\$2.08	\$44,356.00	\$2.20	\$46,915.00	\$1.25	\$26,656.25	\$2.00	\$42,650.00	\$2.00	\$42,650.00	\$1.70	\$36,252.50
19	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	80	\$ 50.00	\$4,000.00	\$40.00	\$3,200.00	\$55.00	\$4,400.00	\$40.00	\$3,200.00	\$28.00	\$2,240.00	\$67.00	\$5,360.00	\$62.00	\$4,960.00
20	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	180	\$ 50.00	\$9,000.00	\$40.00	\$7,200.00	\$55.00	\$9,900.00	\$40.00	\$7,200.00	\$28.00	\$5,040.00	\$61.00	\$10,980.00	\$60.00	\$10,800.00
21	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	425	\$ 50.00	\$21,250.00	\$40.00	\$17,000.00	\$53.00	\$22,525.00	\$40.00	\$17,000.00	\$28.00	\$11,900.00	\$54.00	\$22,950.00	\$58.00	\$24,650.00
22	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	543	\$ 58.00	\$31,494.00	\$40.00	\$21,720.00	\$53.00	\$28,779.00	\$40.00	\$21,720.00	\$28.00	\$15,204.00	\$50.00	\$27,150.00	\$58.00	\$31,494.00
23	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	7	\$ 100.00	\$700.00	\$156.00	\$1,092.00	\$165.00	\$1,155.00	\$350.00	\$2,450.00	\$150.00	\$1,050.00	\$150.00	\$1,050.00	\$150.00	\$1,050.00
24	CATCH BASINS, TYPE A, 4'-DIAMETER, (REMOVAL AND REPLACEMENT) TYPE 11 FRAME AND GRATE	EACH	2	\$ 3,000.00	\$6,000.00	\$7,280.00	\$14,560.00	\$7,600.00	\$15,200.00	\$5,000.00	\$10,000.00	\$7,000.00	\$14,000.00	\$7,000.00	\$14,000.00	\$7,000.00	\$14,000.00
25	INLETS, (REMOVAL AND REPLACEMENT) TYPE A, TYPE 11 FRAME AND GRATE	EACH	2	\$ 1,500.00	\$3,000.00	\$3,094.00	\$6,188.00	\$3,250.00	\$6,500.00	\$2,500.00	\$5,000.00	\$2,975.00	\$5,950.00	\$2,975.00	\$5,950.00	\$2,975.00	\$5,950.00
26	STRUCTURE TO BE ADJUSTED W/ NEW TYPE 11 FRAME AND GRATE	EACH	12	\$ 350.00	\$4,200.00	\$1,014.00	\$12,168.00	\$1,050.00	\$12,600.00	\$1,100.00	\$13,200.00	\$975.00	\$11,700.00	\$975.00	\$11,700.00	\$975.00	\$11,700.00
27	STRUCTURE TO BE ADJUSTED W/ NEW TYPE 24 FRAME AND GRATE, SPECIAL	EACH	2	\$ 450.00	\$900.00	\$884.00	\$1,768.00	\$930.00	\$1,860.00	\$1,100.00	\$2,200.00	\$850.00	\$1,700.00	\$850.00	\$1,700.00	\$850.00	\$1,700.00
28	FRAMES AND GRATES TO BE ADJUSTED, TYPE 11	EACH	25	\$ 250.00	\$6,250.00	\$572.00	\$14,300.00	\$585.00	\$14,625.00	\$650.00	\$16,250.00	\$550.00	\$13,750.00	\$550.00	\$13,750.00	\$550.00	\$13,750.00
29	FRAMES AND LIDS TO BE ADJUSTED, TYPE 1	EACH	4	\$ 250.00	\$1,000.00	\$884.00	\$3,536.00	\$920.00	\$3,680.00	\$650.00	\$2,600.00	\$850.00	\$3,400.00	\$850.00	\$3,400.00	\$850.00	\$3,400.00
30	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	5,775	\$ 30.00	\$173,250.00	\$30.16	\$174,174.00	\$31.75	\$183,356.25	\$36.50	\$210,787.50	\$29.00	\$167,475.00	\$29.00	\$167,475.00	\$38.00	\$219,450.00
31	MOBILIZATION	L SUM	1	\$ 85,000.00	\$85,000.00	\$23,000.00	\$23,000.00	\$11,000.00	\$11,000.00	\$103,000.00	\$103,000.00	\$104,750.00	\$104,750.00	\$106,992.96	\$106,992.96	\$7,550.00	\$7,550.00
32	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS	SQ FT	100	\$ 12.00	\$1,200.00	\$6.24	\$624.00	\$3.85	\$385.00	\$10.00	\$1,000.00	\$6.00	\$600.00	\$8.00	\$800.00	\$5.00	\$500.00
33	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	35	\$ 3.00	\$105.00	\$1.04	\$36.40	\$1.65	\$57.75	\$1.50	\$52.50	\$1.00	\$35.00	\$5.00	\$175.00	\$1.25	\$43.75
34	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,620	\$ 3.50	\$5,670.00	\$2.08	\$3,369.60	\$2.20	\$3,564.00	\$2.05	\$3,321.00	\$2.00	\$3,240.00	\$2.25	\$3,63		

ALTERNATE BID ITEMS																	
				ALT. ENG. ESTIMATE		Brothers Asphalt Paving Inc.		Schroeder Asphalt Services, Inc.		A. Lamp Concrete Contractors, Inc.		Plote Construction, Inc.		J.A. Johnson Paving Co.		M & J Asphalt Paving Company, Inc.	
ITEM NO.	ALTERNATE BID ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	EST. UNIT PRICE	EST. ALT. BID TOTAL	BID UNIT PRICE	ALT. BID TOTAL	BID UNIT PRICE	ALT. BID TOTAL	BID UNIT PRICE	ALT. BID TOTAL	BID UNIT PRICE	ALT. BID TOTAL	BID UNIT PRICE	ALT. BID TOTAL	BID UNIT PRICE	ALT. BID TOTAL
1	TREE ROOT PRUNING	EACH	5	\$ 120.00	\$600.00	\$78.00	\$390.00	\$83.00	\$415.00	\$50.00	\$250.00	\$75.00	\$375.00	\$75.00	\$375.00	\$100.00	\$500.00
2	EARTH EXCAVATION	CU YD	50	\$ 58.00	\$2,900.00	\$40.00	\$2,000.00	\$50.00	\$2,500.00	\$36.00	\$1,800.00	\$4.00	\$200.00	\$45.00	\$2,250.00	\$54.00	\$2,700.00
3	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	50	\$ 22.00	\$1,100.00	\$40.00	\$2,000.00	\$50.00	\$2,500.00	\$10.00	\$500.00	\$15.00	\$750.00	\$20.00	\$1,000.00	\$50.00	\$2,500.00
4	POROUS GRANULAR EMBANKMENT	CU YD	50	\$ 40.00	\$2,000.00	\$40.00	\$2,000.00	\$36.00	\$1,800.00	\$10.00	\$500.00	\$15.00	\$750.00	\$20.00	\$1,000.00	\$50.00	\$2,500.00
5	TOPSOIL FURNISH AND PLACE, 4" (RESTORATION)	SQ YD	375	\$ 10.00	\$3,750.00	\$7.80	\$2,925.00	\$8.00	\$3,000.00	\$2.00	\$750.00	\$6.75	\$2,531.25	\$15.00	\$5,625.00	\$9.00	\$3,375.00
6	SODDING, SALT TOLERANT (RESTORATION)	SQ YD	375	\$ 16.00	\$6,000.00	\$8.84	\$3,315.00	\$9.15	\$3,431.25	\$6.00	\$2,250.00	\$10.00	\$3,750.00	\$20.00	\$7,500.00	\$11.00	\$4,125.00
7	AGGREGATE BASE COURSE, TYPE B, 4-INCH	SQ YD	153	\$ 4.00	\$612.00	\$6.24	\$954.72	\$6.60	\$1,009.80	\$5.00	\$765.00	\$0.50	\$76.50	\$6.00	\$918.00	\$4.00	\$612.00
8	AGGREGATE BASE COURSE, TYPE B, 6-INCH	SQ YD	153	\$ 7.75	\$1,185.75	\$8.32	\$1,272.96	\$8.80	\$1,346.40	\$8.00	\$1,224.00	\$0.75	\$114.75	\$8.00	\$1,224.00	\$6.00	\$918.00
9	BITUMINOUS MATERIALS (TACK COAT)	POUNDS	5,370	\$ 0.01	\$53.70	\$0.10	\$537.00	\$0.01	\$53.70	\$0.01	\$53.70	\$0.01	\$53.70	\$0.01	\$53.70	\$0.01	\$53.70
10	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	4	\$ 200.00	\$800.00	\$400.00	\$1,600.00	\$200.00	\$800.00	\$250.00	\$1,000.00	\$80.00	\$320.00	\$85.00	\$340.00	\$380.00	\$1,520.00
11	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	91	\$ 5.20	\$473.20	\$5.00	\$455.00	\$5.00	\$455.00	\$15.00	\$1,365.00	\$19.00	\$1,729.00	\$12.00	\$1,092.00	\$10.00	\$910.00
12	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	334	\$ 110.00	\$36,740.00	\$111.00	\$37,074.00	\$110.00	\$36,740.00	\$115.00	\$38,410.00	\$127.00	\$42,418.00	\$111.00	\$37,074.00	\$120.00	\$40,080.00
13	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (1.5")	TON	668	\$ 87.00	\$58,116.00	\$92.00	\$61,456.00	\$87.00	\$58,116.00	\$94.00	\$62,792.00	\$90.00	\$60,120.00	\$87.00	\$58,116.00	\$98.00	\$65,464.00
14	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	55	\$ 82.00	\$4,510.00	\$65.52	\$3,603.60	\$69.00	\$3,795.00	\$79.50	\$4,372.50	\$63.00	\$3,465.00	\$63.00	\$3,465.00	\$78.00	\$4,290.00
15	PORTLAND CEMENT CONCRETE SIDEWALK 5 (TO 6 INCH, SPECIAL)	SQ FT	3,202	\$ 9.00	\$28,818.00	\$10.66	\$34,133.32	\$11.25	\$36,022.50	\$8.35	\$26,736.70	\$10.25	\$32,820.50	\$10.25	\$32,820.50	\$8.50	\$27,217.00
16	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	7,956	\$ 2.30	\$18,298.80	\$2.00	\$15,912.00	\$1.65	\$13,127.40	\$1.95	\$15,514.20	\$2.85	\$22,674.60	\$3.00	\$23,868.00	\$3.00	\$23,868.00
17	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,166	\$ 4.20	\$4,897.20	\$4.16	\$4,850.56	\$4.30	\$5,013.80	\$6.75	\$7,870.50	\$4.00	\$4,664.00	\$4.00	\$4,664.00	\$8.60	\$10,027.60
18	SIDEWALK REMOVAL	SQ FT	3,252	\$ 2.50	\$8,130.00	\$2.08	\$6,764.16	\$2.20	\$7,154.40	\$1.25	\$4,065.00	\$2.00	\$6,504.00	\$2.00	\$6,504.00	\$1.70	\$5,528.40
19	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	20	\$ 50.00	\$1,000.00	\$40.00	\$800.00	\$55.00	\$1,100.00	\$40.00	\$800.00	\$28.00	\$560.00	\$68.00	\$1,360.00	\$62.00	\$1,240.00
20	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	20	\$ 50.00	\$1,000.00	\$40.00	\$800.00	\$55.00	\$1,100.00	\$40.00	\$800.00	\$28.00	\$560.00	\$61.00	\$1,220.00	\$60.00	\$1,200.00
21	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	75	\$ 50.00	\$3,750.00	\$40.00	\$3,000.00	\$53.00	\$3,975.00	\$40.00	\$3,000.00	\$28.00	\$2,100.00	\$54.00	\$4,050.00	\$58.00	\$4,350.00
22	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	80	\$ 58.00	\$4,640.00	\$40.00	\$3,200.00	\$53.00	\$4,240.00	\$40.00	\$3,200.00	\$28.00	\$2,240.00	\$50.00	\$4,000.00	\$58.00	\$4,640.00
23	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	1	\$ 100.00	\$100.00	\$156.00	\$156.00	\$165.00	\$165.00	\$350.00	\$350.00	\$150.00	\$150.00	\$150.00	\$150.00	\$150.00	\$150.00
24	CATCH BASINS, TYPE A, 4'-DIAMETER, (REMOVAL AND REPLACEMENT) TYPE 11 FRAME AND GRATE	EACH	1	\$ 3,000.00	\$3,000.00	\$7,280.00	\$7,280.00	\$7,600.00	\$7,600.00	\$5,000.00	\$5,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00
25	INLETS, (REMOVAL AND REPLACEMENT) TYPE A, TYPE 11 FRAME AND GRATE	EACH	1	\$ 1,500.00	\$1,500.00	\$3,094.00	\$3,094.00	\$3,250.00	\$3,250.00	\$2,500.00	\$2,500.00	\$2,975.00	\$2,975.00	\$2,975.00	\$2,975.00	\$2,975.00	\$2,975.00
26	STRUCTURE TO BE ADJUSTED W/ NEW TYPE 11 FRAME AND GRATE	EACH	3	\$ 350.00	\$1,050.00	\$1,014.00	\$3,042.00	\$1,050.00	\$3,150.00	\$1,100.00	\$3,300.00	\$975.00	\$2,925.00	\$975.00	\$2,925.00	\$975.00	\$2,925.00
27	STRUCTURE TO BE ADJUSTED W/ NEW TYPE 24 FRAME AND GRATE, SPECIAL	EACH	1	\$ 450.00	\$450.00	\$884.00	\$884.00	\$930.00	\$930.00	\$1,100.00	\$1,100.00	\$850.00	\$850.00	\$850.00	\$850.00	\$850.00	\$850.00
28	FRAMES AND GRATES TO BE ADJUSTED, TYPE 11	EACH	5	\$ 250.00	\$1,250.00	\$572.00	\$2,860.00	\$585.00	\$2,925.00	\$650.00	\$3,250.00	\$550.00	\$2,750.00	\$550.00	\$2,750.00	\$550.00	\$2,750.00
29	FRAMES AND LIDS TO BE ADJUSTED, TYPE 1	EACH	1	\$ 250.00	\$250.00	\$884.00	\$884.00	\$920.00	\$920.00	\$650.00	\$650.00	\$850.00	\$850.00	\$850.00	\$850.00	\$850.00	\$850.00
30	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1,166	\$ 30.00	\$34,980.00	\$30.16	\$35,166.56	\$31.75	\$37,020.50	\$36.50	\$42,559.00	\$29.00	\$33,814.00	\$29.00	\$33,814.00	\$38.00	\$44,308.00
31	MOBILIZATION	L SUM	1	\$ 15,000.00	\$15,000.00	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00	\$17,000.00	\$17,000.00	\$18,500.00	\$18,500.00	\$20,961.36	\$20,961.36	\$1,825.00	\$1,825.00
32	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS	SQ FT	5	\$ 12.00	\$60.00	\$10.40	\$52.00	\$3.85	\$19.25	\$10.00	\$50.00	\$6.00	\$30.00	\$8.00	\$40.00	\$5.00	\$25.00
33	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5	\$ 3.00	\$15.00	\$5.20	\$26.00	\$1.65	\$8.25	\$1.50	\$7.50	\$1.00	\$5.00	\$5.00	\$25.00	\$1.25	\$6.25
34	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	581	\$ 3.50	\$2,033.50	\$6.24	\$3,625.44	\$2.20	\$1,278.20	\$2.05	\$1,191.05	\$2.00	\$1,162.00	\$2.25	\$1,307.25	\$2.25	\$1,307.25
35	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	126	\$ 5.90	\$743.40	\$8.32	\$1,048.32	\$4.05	\$510.30	\$4.00	\$504.00	\$4.00	\$504.00	\$5.05	\$636.30	\$4.50	\$567.00
36	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	180	\$ 11.60	\$2,088.00	\$11.44	\$2,059.20	\$8.25	\$1,485.00	\$8.00	\$1,440.00	\$5.00	\$900.00	\$8.00	\$1,440.00	\$7.50	\$1,350.00
37	STORM SEWER, RCP, CLASS A, TYPE 2, 12" OR LESS	FOOT	20	\$ 75.00	\$1,500.00	\$57.20	\$1,144.00	\$58.00	\$1,160.00	\$125.00	\$2,500.00	\$55.00	\$1,100.00	\$55.00	\$1,100.00	\$55.00	\$1,100.00
38	SANITARY SEWER REMOVAL AND REPLACEMENT, 8" (OR LESS)	FOOT	10	\$ 200.00	\$2,000.00	\$52.00	\$520.00	\$54.00	\$540.00	\$150.00	\$1,500.00	\$50.00	\$500.00	\$50.00	\$500.00	\$50.00	\$500.00
39	TACTILE/ DETECTABLE WARNING SURFACE	SQ FT	186	\$ 38.00	\$7,068.00	\$36.40	\$6,770.40	\$38.00	\$7,068.00	\$25.00	\$4,650.00	\$35.00	\$6,510.00	\$35.00	\$6,510.00	\$38.00	\$7,068.00
40	(SANITARY) SEWER SPOT REPAIRS (8" OR LESS)	EACH	1	\$ 3,000.00	\$3,000.00	\$6,396.00	\$6,396.00	\$6,750.00	\$6,750.00	\$8,000.00	\$8,000.00	\$6,150.00	\$6,150.00	\$6,150.00	\$6,150.00	\$6,150.00	\$6,150.00
41	WASHOUT BASIN	L SUM	1	\$ 150.00	\$150.00	\$1,300.00	\$1,300.00	\$1,400.00	\$1,400.00	\$1,000.00	\$1,000.00	\$1,250.00	\$1,250.00	\$1,250.00	\$1,250.00	\$425.00	\$425.00
42	REMOVE AND REINSTALL BRICK PAVER	SQ FT	40	\$ 20.00	\$800.00	\$15.60	\$624.00	\$16.50	\$660.00	\$30.00	\$1,200.00	\$14.00	\$560.00	\$30.00	\$1,200.00	\$30.00	\$1,200.00
43	TRENCH BACKFILL, SPECIAL	CU YD	100	\$ 3.00	\$300.00	\$10.40	\$1,040.00	\$11.00	\$1,100.00	\$40.00	\$4,000.00	\$10.00	\$1,000.00	\$10.00	\$1,000.00	\$10.00	\$1,000.00
44	EXPLORATION TRENCH (SPECIAL)	FOOT	10	\$ 15.00	\$150.00	\$26.00	\$260.00	\$27.50	\$275.00	\$10.00	\$100.00	\$25.00	\$250.00	\$25.00	\$250.00	\$25.00	\$250.00
45	STORM SEWER REMOVAL (UP TO 12" DIAMETER)	FOOT	20	\$ 10.00	\$200.00	\$1.04	\$20.80	\$1.10	\$22.00	\$1.00	\$20.00	\$1.00	\$20.00	\$1.00	\$20.00	\$1.00	\$20.00
46	MANHOLES, SANITARY, (REMOVAL AND REPLACEMENT WITH) 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	\$ 4,000.00	\$12,000.00	\$11,960.00	\$35,880.00	\$12,500.00	\$37,500.00	\$8,500.00	\$25,500.00	\$11,975.00	\$35,925.00	\$11,500.00	\$34,500.00	\$11,500.00	\$34,500.00
47	SANITARY MANHOLES TO BE ADJUSTED W/ NEW TYPE 1 F&CL	EACH	4	\$ 1,250.00	\$5,000.00	\$1,716.00	\$6,864.00	\$1,700.00	\$6,800.00	\$1,300.00	\$5,200.00	\$1,650.00	\$6,600.00	\$1,650.00	\$6,600.00	\$1,650.00	\$6,600.00
48	CONCRETE CURB, TYPE B (SPECIAL)	FOOT	25	\$ 45.00	\$1,125.00	\$28.08	\$702.00	\$30.00	\$750.00	\$45.00	\$1,125.00	\$27.00	\$675.00	\$27.00	\$675.00	\$38.00	\$950.00
49	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	\$ 7,500.00	\$7,500.00	\$4,518.00	\$4,518.00	\$1,500.00	\$1,500.00	\$5,000.00	\$5,000.00	\$9,900.00	\$9,900.00	\$6,286.89	\$6,286.89	\$9,550.00	\$9,550.00
50	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SQ YD	144	\$ 38.50	\$5,544.00	\$30.00	\$4,320.00	\$25.00	\$3,600.00	\$35.00	\$5,040.00	\$48.00	\$6,912.00	\$45.00	\$6,480.00	\$40.00	\$5,760.00
51	HOT-MIX ASPHALT DRIVEWAY PAVEMENT REMOVAL	SQ YD	144	\$ 15.00	\$2,160.00	\$15.00	\$2,160.00	\$12.00	\$1,728.00	\$15.00	\$2,160.00	\$34.00	\$4,896.00	\$9.00	\$1,296.00	\$14.50	\$2,088.00
52	CONCRETE (DRIVEWAY) REMOVAL (SPECIAL)	SQ YD	55	\$ 15.00	\$825.00	\$9.36	\$514.80	\$9.75	\$536.25	\$15.00	\$825.00	\$9.00	\$495.00	\$9.00	\$495.00	\$14.50	\$797.50
53	MANHOLE LID ADJUSTING RINGS (SPECIAL)	EACH	2	\$ 200.00	\$400.00	\$416.00	\$832.00	\$435.00	\$870.00	\$250.00	\$500.00	\$400.00	\$800.00	\$400.00	\$800.00	\$400.00	\$800.00
ALTERNATE BID TOTAL			As Corrected As Read	(Eng. Est.)	\$301,616.55		\$326,086.84		\$321,716.00		\$325,240.15		\$344,734.30		\$349,356.00		\$353,265.70
							\$326,086.84		\$321,716.00		\$325,240.15		\$344,734.30		\$349,356.00		\$353,265.70

MEMORANDUM

TO: Dave Shah, P.E. – Assistant Director of Public Works, City of West Chicago

FROM: Douglas M. Masters – Senior Project Manager, Thomas Engineering Group, LLC

DATE: February 21, 2023

RE: Bid Proposal Evaluation – 2023 Roadway Rehabilitation Project

Thomas Engineering Group, LLC (TEG) prepares this memo to recommend a general contracting firm for performing roadway construction for the 2023 Roadway Rehabilitation Project. The work as shown in the bid documents consists mainly of roadway resurfacing, sewer pipe and structure repairs, and concrete flat work. All quantities on the Base-Bid Schedule of Prices were used in determining the lowest responsible bidder.

On Tuesday, February 21, 2023, staff received and opened six (6) bid proposals from interested firms. A bid tabulation worksheet with engineer's estimate (attached) was developed for evaluation of the bid values submitted at the bid opening. Staff's evaluation of bids included consideration of the base-bid's unit prices and past performance with other municipalities and counties. Based on the attached tabulation, Brothers Asphalt Paving, Inc. (Brothers Asphalt), from Addison, IL, submitted the lowest overall base-bid cost proposal. Below is a table depicting the bid results:

CONTRACTOR	BASE BID SUBMITTAL AMOUNT	ALTERNATE SUBMITTAL AMOUNT	OVERALL RANK
Brothers Asphalt Paving, Inc.	\$1,650,677.26	\$326,086.84	1
Schroeder Asphalt Services, Inc.	\$1,654,149.60	\$321,716.00	2
A. Lamp Concrete Contractors, Inc.	\$1,724,184.45	\$325,240.15	3
Plote Construction, Inc.	\$1,751,770.50	\$344,734.30	4
J.A. Johnson Paving Co.	\$1,783,216.00	\$349,356.00	5
M & J Asphalt Paving Company, Inc.	\$1,812,888.55	\$353,265.70	6
ENGINEERS ESTIMATE	\$1,623,562.40	\$301,616.55	NA

Brothers Asphalt submitted a base bid proposal value of \$1,650,677.26, approximately 1.7% higher than the engineer's estimated cost of \$1,623,562.40. The second lowest bid proposal, submitted by Schroeder Asphalt Services, Inc., was \$1,654,149.60.



The City has previously contracted Brothers Asphalt to perform similar work. They were awarded the City's Stockberry Ln., Grove Ave., and Ingaltion Hill Estates Area Resurfacing Project (2022), 2017 Meadow Wood Subdivision Resurfacing Project and City's 2004 Street Resurfacing Project, all which were both performed satisfactorily.

Brothers Asphalt is registered by the Illinois Department of Transportation as a prequalified contractor. This information can be found on IDOT's website at:

<https://idot.illinois.gov/Assets/uploads/files/Doing-Business/Specialty-Lists/Highways/Construction/Prequal-Lists/Preqlist.txt>

Therefore, TEG hereby recommends that the project's contract for the 2023 Roadway Rehabilitation Project be awarded to the lowest responsible bidder, Brothers Asphalt Paving, Inc., for a base-bid contract amount not to exceed \$1,650,677.26.

Should you have any questions or need additional information, please feel free to contact me.

Enclosures: Engineer's Estimate with Bid Tabulation – 2023 Roadway Rehabilitation Project

cc: - 2023 Roadway Rehabilitation Project – Project File

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 23-R-0024 – Contract Award – Viking Brothers, Inc. for the Purchase of Course and Fine Aggregate Material Delivered for FY 2023 in an Amount Not to Exceed \$68,000.00

AGENDA ITEM NUMBER: 4.E.

COMMITTEE AGENDA DATE: March 2, 2023

COUNCIL AGENDA DATE: March 20, 2023

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

SIGNATURE 

APPROVED BY CITY ADMINISTRATOR: Michael L. Guttman

SIGNATURE _____

ITEM SUMMARY:

Aggregate materials, such as gravel, rock, and sand, are used in numerous maintenance and repair activities performed by the staff in the Public Works Department. Examples include shoulder work on unimproved roads and alleyways and backfill for underground utility (e.g., water main, sanitary sewer, and storm sewer) repairs within the right-of-way and utility easements. Aggregate material is ordered and delivered to the Streets Division or directly to the job site on an as-needed basis; therefore, total quantities vary each year. The actual quantities correlate directly with the number of utility repairs such as water main breaks and sanitary sewer repairs.

In FY 2022, the City Council awarded the contract for the procurement of Course and Fine Aggregate Material Delivered to Viking Brothers, Inc. A provision of the contract allowed for an extension of two additional years through mutual agreement between Viking Brothers, Inc. and the City if the pricing was held for each subsequent Fiscal Year, if the City was satisfied with the services provided, and if approved by the City Council. However, in FY 2023, Viking Brothers, Inc. was unwilling to match its FY 2022 unit prices for the aggregate products included in the contract, mainly due to increased fuel costs. Therefore, the staff prepared bid specifications using estimated quantities for the purpose of establishing unit prices for FY 2023. The contract specifications allow for variations in total unit quantities ordered based on the needs for each item, provided the total contract amount does not exceed the award amount.

A public bid notice was placed in the Daily Herald on January 31, 2023. A bid notice was also placed on the online bidding platform called QuestCDN on the same date. Staff opened bids on February 21, 2023, and the following are the bid results:

CONTRACTOR	BID AMOUNT	RANK
Viking Brothers, Inc.	\$68,000.00	1
Fowler Enterprises, LLC	\$83,600.00	2
ENGINEER'S ESTIMATE	\$63,096.50	N/A

The City has contracted with Viking Brothers, Inc. in the past for similar service and the staff is overall satisfied with its products and reliability.

The FY 2023 budget includes \$15,000 in the Sewer Fund Account 05-34-43-4638 and \$35,000 in the Water Fund Account 06-34-47-4621. If needed, additional funds are also available in General Fund Account 01-09-24-4650. The staff recommends awarding the contract to Viking Brothers, Inc. for FY 2023 Course and Fine Aggregate Material Delivered and authorizing a Purchase Order in the amount not to exceed \$68,000.00.

CITY OF WEST CHICAGO

ACTIONS PROPOSED:

Approve Resolution No. 23-R-0024 authorizing the Mayor to execute a contract with Viking Brothers, Inc. for the purchase of Course and Fine Aggregate Material Delivered for FY 2023 in an amount not to exceed \$68,000.00

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 23-R-0024

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A
CONTRACT WITH VIKING BROTHERS, INC. FOR
THE PURCHASE COURSE AND FINE AGGREGATE MATERIAL
DELIVERED FOR FY 2023 IN THE AMOUNT NOT TO EXCEED \$68,000.00**

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 Viking Brothers, Inc. for the purchase of Course and Fine Aggregate Material Delivered for FY 2023 in the amount not to exceed \$68,000.00, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 20th day of March 2023.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

Executive Assistant Valeria Perez



City of West Chicago
Tabulation of Bids

Project Name: 2023 Coarse & Fine Aggregate Material Delivered

Date: February 21, 2023 11:00 A.M.

Opened by: Jake Whiteaker
Recorded by: Dave Shah

**Name and Address
of Bidder**

Viking Brothers, Inc
1665 Eastwood Drive
Aurora, IL 60506

Fowler Enterprises, LLC
41W691 Russell Road
Elgin, IL 60124

**Approved
Engineer's
Estimate**

ITEMS		Units	Quantity	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	CA-6 CRUSHED STONE, #8	TON	2000.00	\$15.74	\$31,482.00	\$17.75	\$35,500.00	\$20.00	\$40,000.00
2	CA-11 CRUSHED STONE, ¾ chips	TON	500.00	\$21.20	\$10,600.00	\$23.03	\$11,515.00	\$29.00	\$14,500.00
3	CA-1 CRUSHED LIMESTONE 3"	TON	300.00	\$19.56	\$5,867.10	\$21.95	\$6,585.00	\$29.00	\$8,700.00
4	FA-5 SCREENINGS	TON	100.00	\$10.07	\$1,007.00	\$9.00	\$900.00	\$18.00	\$1,800.00
5	¾" WASHED GRAVEL	TON	500.00	\$19.61	\$9,805.00	\$18.00	\$9,000.00	\$26.00	\$13,000.00
6	FA-2 SAND	TON	200.00	\$21.68	\$4,335.40	\$22.50	\$4,500.00	\$28.00	\$5,600.00
Total As Read							\$68,000.00		\$83,600.00
Total As Corrected					\$63,096.50		\$68,000.00		\$83,600.00

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 23-R-0025 – Contract Award – Operations Maintenance International, Inc. (OMI) - for Professional Services Related to the Removal and Replacement of the Aeration Blowers Project at the West Chicago/Winfield Wastewater Authority Regional Wastewater Treatment Plant

AGENDA ITEM NUMBER: 4.F.**COMMITTEE AGENDA DATE:** March 2, 2023**COUNCIL AGENDA DATE:** March 20, 2023**STAFF REVIEW:** Mehul T. Patel, P.E., Director of Public Works**SIGNATURE** **APPROVED BY CITY ADMINISTRATOR:** Michael L. Guttman**SIGNATURE** _____**ITEM SUMMARY:**

The West Chicago/Winfield Wastewater Authority (WCWWA) Regional Wastewater Treatment Plant (WWTP) receives and processes over five million (5,000,000) gallons of raw sewage daily from the both the City of West Chicago and the Village of Winfield. Under strict Environmental Protection Agency (EPA) guidelines, wastewater that enters the WWTP flows through several treatment (cleaning) processes before being discharged into the West Branch of the DuPage River. One such step in the process is aeration. Aeration provides oxygen to bacteria for treating and stabilizing the wastewater. Oxygen is needed by the bacteria to allow biodegradation to occur. The supplied oxygen is utilized by bacteria in the wastewater to break down the organic matter containing carbon to form carbon dioxide and water. Blowers are typically used to provide aeration in activated sludge plants and to promote aerobic digestion. They keep solids suspended in channels and in aeriated grit chambers, which is absolutely necessary for a proper treatment ecosystem.

There are currently two aeration blowers in the WWTP, which are approximately thirty-five years old and served their useful lives. These two blowers were originally part of the A2O Phosphorus Removal Project, which will be under construction in 2024 and 2025. JACOBS/OMI (WWTP's operator) has identified an energy rebate available through ComEd, which is set to expire at the end of 2023. The rebate amount is approximately \$135,000. To capitalize on the rebate program, staff recommends advancing the removal and replacement of the two aeration blowers.

Being most familiar with the blower operations, components, and construction, City staff approached JACOBS/OMI and requested a cost proposal to remove and replace the two blowers ahead of the A2O Phosphorus Removal Project as out-of-scope improvements. Under the existing management and operations contract between the City and OMI, out of scope services can be requested by the City and performed by JACOBS at direct labor and material costs plus a fifteen percent (15%) premium. JACOBS/OMI has submitted a not to exceed cost proposal of \$524,316.00 for Fiscal Year 2023 (see attached).

Utilizing JACOBS/OMI for this project will not only expedite the replacement process by eliminating the time required to seek bid proposals but it will also save the City, at a minimum, \$55,000.00 in engineering design, bid, and construction oversight services.

CITY OF WEST CHICAGO

Staff recommends that City Council waive the competitive bidding process and award a contract to JACOBS/OMI to procure, remove and replace the two aeration blowers at the WCWWA WWTP for an amount not to exceed \$524,316.00.

This project will be paid for by the WCWWA in which \$450,000 has been budgeted for this work. After the rebate, the final cost is estimated to be approximately \$389,316.00

ACTIONS PROPOSED:

Waive competitive bidding requirements and approve Resolution No. 23-R-0025 authorizing the Mayor to execute a contract with Operations Maintenance International, Inc. (OMI), for professional services related to Removal and Replacement of the Aeration Blowers Project for an amount not to exceed \$524,316.00 at the West Chicago/Winfield Wastewater Authority Regional Wastewater Treatment Plant.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 23-R-0025

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE
A PROFESSIONAL SERVICES AGREEMENT WITH OPERATIONS
MAINTENANCE INTERNATIONAL, INC. (OMI) FOR PROFESSIONAL
SERVICES RELATED TO REMOVAL AND REPLACEMENT OF THE
AERATION BLOWERS PROJECT FOR AN AMOUNT NOT TO EXCEED
\$524,316.00 AT THE WEST CHICAGO/WINFIELD WASTEWATER
AUTHORITY REGIONAL WASTEWATER 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 waive competitive bidding and execute a contract with Operations Maintenance International, Inc. (OMI), for professional services related to Removal and Replacement of the Aeration Blowers Project for an amount not to exceed \$524,316.00 at the West Chicago/Winfield Wastewater Authority Regional Wastewater Treatment Plant, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 20th day of March 2023.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

Executive Assistant Valeria Perez



725 Dayton Ave.
West Chicago, IL 60185
Tel 630.293.2260

February 6, 2023

Mr. Mehul Patel
Director of Public Works
City of West Chicago
475 Main Street
West Chicago, IL 60185

Subject: Out of Scope Cost Proposal for Installing new Neuros blowers

Dear Mr. Patel:

This letter confirms the out of scope services related to the installation of Two (2) Neuros NX200S-C060 High Speed Turbo blowers.

What is being provided: Per the Scope of Work, attached as Exhibit A, Operations Maintenance International, Inc. ("CONSULTANT") will install two new Neuros blowers.

CONSULTANT anticipates completion of the installation of blowers in the task order as follows:

Task 1- Removal of existing equipment(not in this scope)
Task 2- Installation
Task 3- Startup

Price of services: The services will be performed for an estimated cost of \$524,316 In accordance with Section 6.6 of the Agreement dated December 20, 2018 between Operations Management International, Inc. and the City of West Chicago, the out of scope estimated cost is based on anticipated project related costs plus 15%.

Payment terms: The payment terms shall be progress payments pursuant to Section 6.7 of the Agreement. Invoices will be issued upon individual blower completion and vendor sign off. Upon Receipt, review and approval of invoices, the CITY shall pay, or cause to be paid, to the CONSULTANT the approved amounts invoiced, provided that the amount invoiced together with the amounts of previous partial payments do not exceed the total compensation specified in this AGREEMENT. The CITY may not deny a properly documented claim for compensation, in whole or in part, without cause. The CITY shall not be required to pay CONSULTANT more often than monthly. The CITY shall process payment of said invoices within forty-five (45) days of receipt, or conflict resolution.

Warranty: CONSULTANT will warranty the work for 12 months and pass on any manufacture's warranties. Neuros warranty is 12 months from installation.

Rebate:

The CONSULTANT will assist the WCWWA in applying for and redeeming energy rebates through ComEd. The rebate amount can potentially be \$135,000.

The services performed under this letter will be in accordance with the terms and conditions of the Agreement dated December 20, 2018 between Operations Management International, Inc. and the City of West Chicago. All other terms and conditions of the Agreement dated December 20, 2018 remain in full force and effect.

If these terms are agreeable to you, please sign both copies of this letter. We will return one fully executed original for your files.

CONSULTANT appreciates the opportunity to provide these additional services to the West Chicago/Winfield Wastewater Authority. If you have any questions or concerns regarding this letter, please feel free to contact me by phone at 630-293-2260 or Brent.Lautenbach@Jacobs.com.

Sincerely,

Brent Lautenbach
Project Manager

Enclosure:
(Exhibit A, Scope of Work)
(Exhibit B, Materials List)
(Exhibit C, Approval of removal)

Both parties indicate their approval of the above described services by their signature below.

Authorized by
Operations Maintenance International, Inc.

Authorized by:
City of West Chicago

Kevin Dahl
Vice President

Mehul Patel
Director of Public Works

Date: _____

Date: _____

Exhibit A

Scope of Work

Removal of current blowers and installation of new Neuros NX200 blowers

CONSULTANT will perform services relating to the installation of Neuros NX200S-C060 High Speed Turbo blowers located at the Authority's Wastewater Treatment Plant: Services are based on CONSULTANT extensive visual and physical evaluation of the existing equipment. The scope defined below is based on previous knowledge and experience of CONSULTANT in making repairs to the blowers located at the project site over the course of the last 14 years, as well the potential of energy savings listed under Exhibit C. If additional services are determined to be needed after demolition of the existing mechanicals, CONSULTANT will contact the City of West Chicago in writing and seek approval prior to commencing any additional service. If needed, additional services will be compensated based on Section 6.6 of the Agreement.

In performance of this scope, CONSULTANT may utilize existing project site personnel / labor as long as that individual's current project duties are performed. During performance of this scope, CONSULTANT will track all employee time worked and will ensure proper reporting of all personnel / labor time.

CONSULTANT services to include:

Task 1 – Purchase of Materials

- Procurement of necessary materials (see Exhibit B - Materials List)

Task 2 – Removal and Teardown: (See Exhibit C-This task is already approved and not in this scope)

- Remove Waukesha engines
- Remove electric motors
- Remove both existing roots blowers
- Remove existing suction & discharge piping
- Remove existing concrete pads
- Remove rooftop suction filter assembly and repair roof
- Remove existing local disconnects, wire and conduit

Task 3 – Installation

- Install new concrete pads
- Core holes in exterior wall and through outside pad
- Install new Neuros Bowers
- Install new 18" suction and discharge piping
- Install new 18" External filters
- Install new breakers, conduit and wiring

Task 4 – Startup:

- Manufacturer's inspection and start-up

Schedule:

Work will commence upon acceptance and execution of the agreement by both parties. Completion of work is expected to take thirty (30) days per unit after material delivery, permitting any weather delays. If there are any delays for any unforeseen circumstances i.e. weather, health, COVID, supply shortages then an extension will need to be requested and agreed upon by both parties.

Once work has been completed, a Neuros representative will sign off on completion.

Exhibit B

Materials List

Equipment for each unit will consist of the following:

- Two (2) Neuros NX200S-C060 High Speed Turbo Blowers
- Two (2) 14" Discharge Check Valves
- Two (2) 14" Discharge Butterfly Valves
- Two (2) 14" Discharge Duct Expansion Joints
- Two (2) Harmonic Filters-installed inside the blower enclosure
- Two (2) 18" External Filters-Endustra P09
- Two (2) 300 amp breakers
- Two (2) New MCC buckets
- Two (2) New conduit and wire runs
- Piping for installation of both Suction and Discharge lines from blowers

Manufacturer Field Service

Start-up/certification for full-scale operation and Training services

Controls

Blowers will be installed with Allen Bradley PLC panels. Using an ethernet connection, the blowers will be integrated into the existing SCADA system of the plant. The SCADA integration will be done under the existing O&M contract.

Exhibit C
Approval of Removal for Demo

ORDINANCE NO. 22-O-0001

**ORDINANCE AUTHORIZING THE DISPOSAL OR SALE OF SURPLUS EQUIPMENT,
STOCK INVENTORY, AND/OR PERSONAL PROPERTY OWNED
BY THE WEST CHICAGO/WINFIELD WASTEWATER AUTHORITY**

WHEREAS, in 2018 the West Chicago/Winfield Wastewater Authority ("Authority") was established by the City of West Chicago, an Illinois home rule municipal corporation, and the Village of Winfield, an Illinois non-home rule municipal corporation, by the adoption of an intergovernmental agreement, as amended, pursuant to Section 3.4 of the Illinois Intergovernmental Cooperation Act, 5 ILCS 220/3.4 ("IGA"); and

WHEREAS, Section 3.4(d)(3) of the Illinois Intergovernmental Cooperation Act, 5 ILCS 220/3.4(d)(3), authorizes the Authority to transfer or dispose of personal property as it deems appropriate; and

WHEREAS, in the opinion of the Authority it is no longer necessary or useful to or for the best interests of the Authority to retain ownership of the surplus equipment, stock inventory, and/or personal property listed in **Attachment A** attached hereto and made a part hereof; and

WHEREAS, it has been determined by the Board of Directors of the Authority to properly dispose of said surplus equipment, stock inventory, and/or personal property;

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF DIRECTORS OF THE WEST CHICAGO/WINFIELD WASTEWATER AUTHORITY, DUPAGE COUNTY, ILLINOIS, AS FOLLOWS:

SECTION 1: Incorporation. Each Whereas paragraph above is incorporated by reference into this Section 1 and made a part hereof as material and operative provisions of this Ordinance.

SECTION 2: Surplus Declared. The Board of Directors of the Authority finds that the surplus equipment, stock inventory and/or personal property listed in **Attachment A** are no longer necessary or useful to the Authority and the best interests of the Authority will be served by their disposal.

SECTION 3: Disposal. The Presiding Officer of the Authority, or his designee, is hereby authorized and directed to dispose of the aforementioned surplus equipment, stock inventory, and/or personal property, in any manner deemed appropriate, with or without consideration.

SECTION 4: Severability. Each section, paragraph, clause and provision of this Ordinance is separable, and if any provision is held unconstitutional or invalid for any

Ordinance 22-O-0001
Page 1 of 2

reason, such decision shall not affect the remainder of this Ordinance nor any part thereof, other than the part affected by such decision.

SECTION 5: Effectiveness. This Ordinance shall be in full force and effect from and after its adoption and approval as provided by law.

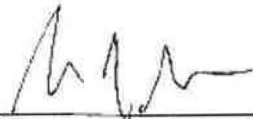
ADOPTED this 14th day of July, 2022, pursuant to a roll call vote as follows:

AYES: 5 _____

NAYS: 0 _____

ABSENT: 0 _____

PASSED, by the Board of Directors of the West Chicago/Winfield Wastewater Authority, DuPage County, Illinois on a roll call vote at a Special Meeting thereof held on the 14th day of July, 2022, and approved by the Presiding Officer, and attested by a Director on the same day.



Michael L. Guttman, Presiding Officer

ATTEST:



Curt Barrett, Director

WCWWA – Ordinance 22-O-

0001 Attachment A

Disposal Items list

<u>Equipment</u>	<u>Building Location</u>
Hoist and Gantry	Chlorine Building
Waukesha Engine 1	Blower Building
Waukesha Engine 1	Blower Building

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

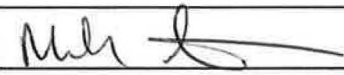
ITEM TITLE:

Resolution No. 23-R-0026 – Contract Award – Swallow Construction Corp. for the 2023 Sophia Street Area Water Main and Streets Rehabilitation CDBG Project in an Amount Not to Exceed \$1,555,803.65.

AGENDA ITEM NUMBER: 4.G.

COMMITTEE AGENDA DATE: March 2, 2023
COUNCIL AGENDA DATE: March 20, 2023

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

SIGNATURE 
APPROVED BY CITY ADMINISTRATOR: Michael L. Guttman

SIGNATURE _____

ITEM SUMMARY:

The 2023 Sophia Street Area Water Main and Streets Rehabilitation Project (Project) includes water main improvements and streets resurfacing of approximately 0.72 miles of various streets in the City as specified in the enclosed location map. The Project's scope of work generally consists of approximately 2,555 feet of 8-inch water main replacement, including 45 water services, pavement milling, hot-mix asphalt (HMA) resurfacing, full-depth HMA pavement patching, intermittent concrete sidewalk, including, ADA curb ramps, intermittent combination concrete curb and gutter removal and replacement, storm and sanitary sewer repairs, including storm and sanitary structure replacement and adjustments, parkway restoration, thermoplastic pavement markings, and all incidental and miscellaneous work necessary to complete the project as shown on the Project plans and specifications.

The Project will be partially funded by DuPage County Community Development Block Grant (CDBG) Program. On March 3, 2022, the City received an award confirmation for a proposed grant amount not to exceed \$600,000. The Grant Agreement was subsequently approved by both the City and the County on November 22, 2022. CDBG is a reimbursement grant where the City will have to upfront the costs of the construction and seek reimbursement through DuPage County. Additionally, per the CDBG agreement with DuPage County, 50% of the funds shall be expended by April 30, 2023, and 100% of grant funds shall be expended by October 31, 2023.

For the 2023 construction season, staff anticipated a significant cost increase in construction materials such as HMA and portland cement concrete. Furthermore, industry-wide, a 20% cost increase for portland cement concrete items were anticipated due to cement shortages and fuel price increases. The anticipated cost increases were reflected in the engineer's cost estimate prior to bid advertisement.

The request for bids was advertised in the Daily Herald and Dodge Data Analytics and on an online bidding platform QuestCDN on February 9, 2023. The staff opened bids on February 23, 2023, and below are the bid results:

CONTRACTOR	BASE BID SUBMITTAL AMOUNT	RANK
Swallow Construction Corp.	\$1,555,803.65	1
Schroeder Asphalt Services, Inc.	\$1,564,103.93	2
A. Lamp Concrete Contractors, Inc.	\$1,624,491.76	3
Martam Construction, Inc.	\$1,773,655.36	4
ENGINEER'S ESTIMATE	\$1,428,397.86	N/A

Swallow Construction Corp. (Swallow) of West Chicago, Illinois, submitted a base bid proposal value of \$1,555,803.65, which is approximately 8.9% higher than the engineer's estimated cost of \$1,428,397.86. The City has previously contracted with Swallow to perform similar water main replacement work, including the water main

CITY OF WEST CHICAGO

relocation project in 2012, which was performed satisfactorily. Swallow is registered by the Illinois Department of Transportation as a prequalified contractor.

The total bid amount of \$1,555,803.65 can be broken down into \$907,223.65 for roadway improvements, which is funded via Capital Project Fund and \$648,580.00 for watermain improvements, which is funded via Water Fund.

The Project will be funded utilizing Capital Projects and Water Funds from the FY 2023 Budget. The Capital Project Funds Account No. 08-34-53-4807 includes \$401,400.00 for the roadway improvements associated with this Project. The Capital Outlay in Water Fund Account No. 06-34-47-4806 includes \$667,000.00 for water main improvements associated with this Project. The shortfall of \$505,823.65 in the Capital Projects Fund will be offset by 1) an available fund balance of \$405,823.65 in Account 08-34-53-4818 from 200 Main Street Renovation Project; 2) eliminating FY 2023 Crack Filling Program in the amount of \$50,000 from Account No. 08-34-53-4868; 3) eliminating Early Warning Siren Project in the amount of \$25,000 from Account No. 08-34-53-4849; and 4) reducing FY 2023 Sidewalk & Curb and Gutter Replacement Program scope of work by \$25,000.

The City will lose the CDBG funding if it does not move forward with the award of the Project. The staff recommends awarding the 2023 Sophia Street Area Water Main and Streets Rehabilitation Project to the lowest responsible bidder, Swallow Construction Corp., for an amount not to exceed \$1,555,803.65.

ACTIONS PROPOSED:

Approve Resolution No. 23-R-0026 authorizing the Mayor to execute a Contract with the lowest responsible bidder, Swallow Construction Corp., of West Chicago, Illinois, for the 2023 Sophia Street Area Water Main and Streets Rehabilitation CDBG Project for a contract amount not to exceed \$1,555,803.65.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 23-R-0026

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A CONTRACT
WITH SWALLOW CONSTRUCTION CORP. OF WEST CHICAGO, ILLINOIS,
FOR THE 2023 SOPHIA STREET AREA WATER MAIN AND STREETS
REHABILITATION CDBG PROJECT FOR THE CONTRACT
AMOUNT NOT TO EXCEED \$1,555,803.65.**

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 Swallow Construction Corp. of West Chicago, Illinois, for the 2023 Sophia Street Area Water Main And Streets Rehabilitation CDBG Project, for a contract amount not to exceed \$1,555,803.65, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 20th day of March 2023.

AYES: _____

NAYES: _____

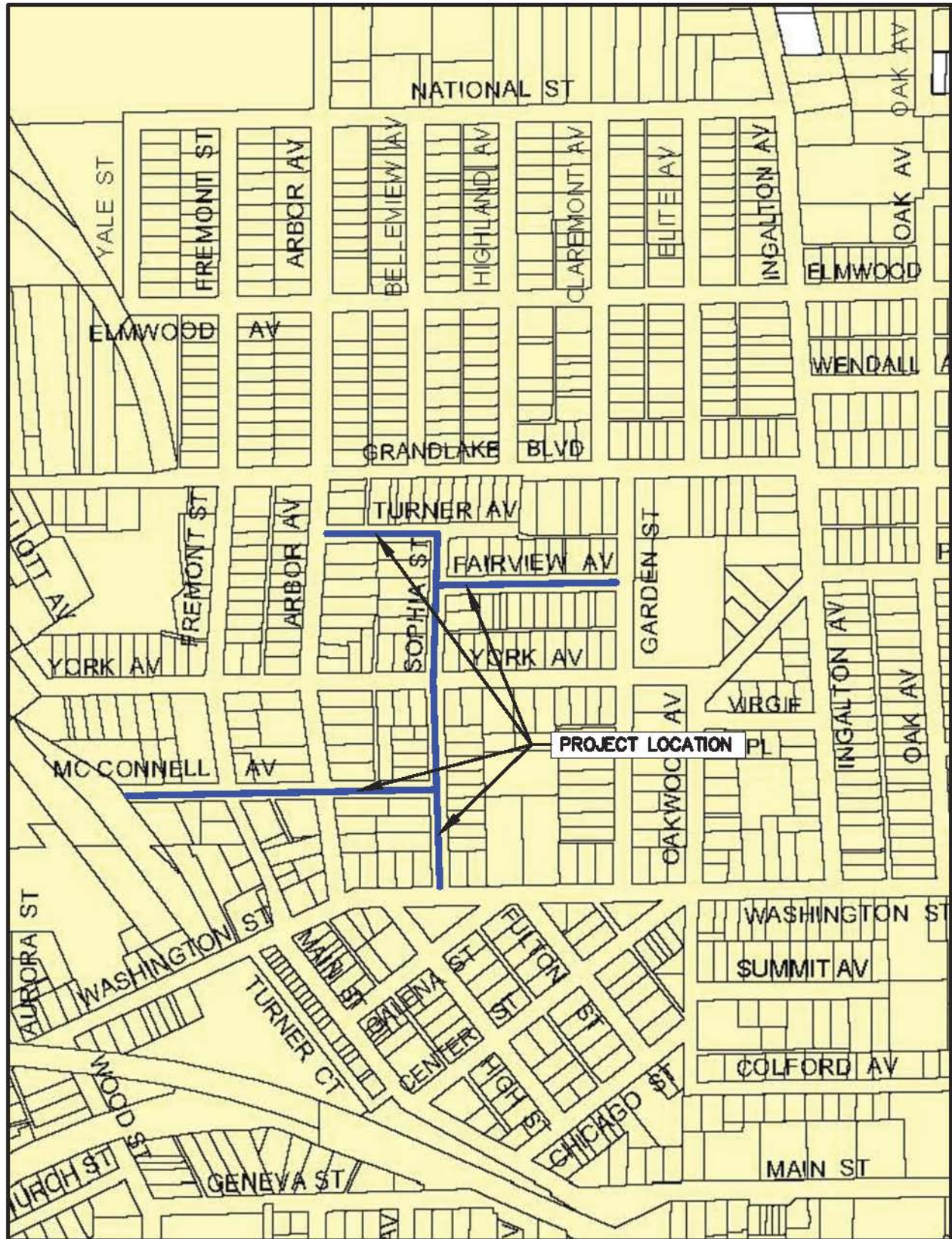
ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

Executive Assistant Valeria Perez



**SOPHIA STREET AREA
WATER MAIN AND STREETS REHABILITATION PROJECT**



CITY OF WEST CHICAGO
475 MAIN STREET
WEST CHICAGO, IL 60185
PHONE: 630-293-2255
FAX: 630-293-2971

thomas
engineering group
division of the highest grade

thomas engineering group, llc
238 south kenilworth avenue
suite 100
oak park, il 60302
phone: 855-533-1700

TRACT 8415.04
BLOCK GROUP #2

LOCATION MAP

SHEET NO.

2 of 4

MEMORANDUM

TO: Dave Shah, P.E. – Assistant Director of Public Works, City of West Chicago

FROM: Douglas M. Masters – Senior Project Manager, Thomas Engineering Group, LLC

DATE: February 23, 2023

RE: Bid Proposal Evaluation – Sophia St. Area Water Main and Streets Rehabilitation Project (DuPage County CDBG Project No. CD22-03)

Thomas Engineering Group, LLC (TEG) prepares this memo to pre-recommend a general contracting firm for performing roadway construction for the City's Sophia St. Area Water Main and Streets Rehabilitation Project (CDBG, CD22-03). The work as shown in the bid documents consists mainly of roadway resurfacing, water main replacement, sewer pipe and structure repairs, and concrete flat work. All quantities on the Bid Schedule of Prices were used in determining the lowest responsible bidder.

On Thursday, February 23, 2023, staff received and opened four (4) bid proposals from interested firms. A bid tabulation worksheet with engineer's estimate (attached) was developed for evaluation of the bid values submitted at the bid opening. Staff's evaluation of bids included consideration of the base-bid's unit prices and past performance with other municipalities and counties. Based on the attached tabulation, Swallow Construction Corp. (Swallow Construction), from West Chicago, IL, submitted the lowest overall base-bid cost proposal. Below is a table depicting the bid results:

CONTRACTOR	BASE BID SUBMITTAL AMOUNT	OVERALL RANK
Swallow Construction Corp.	\$1,555,803.65	1
Schroeder Asphalt Services, Inc.	\$1,564,103.93	2
A. Lamp Concrete Contractors, Inc.	\$1,624,491.76	3
Martam Construction, Inc.	\$1,773,655.36	4
ENGINEERS ESTIMATE	\$1,428,397.86	NA

Swallow Construction submitted a base bid proposal value of \$1,555,803.65, approximately 8.9% higher than the engineer's estimated cost of \$1,428,397.86. The second lowest bid proposal, submitted by Schroeder Asphalt Services, Inc., was \$1,564,103.93.



The City has previously contracted with Swallow Construction to perform similar water main construction work. They were awarded the City's Illinois Route 38 Water Main Relocation Project in 2012, which was performed satisfactorily. And based on their bid submittal, it appears that they will be utilizing Schroeder Asphalt Services, Inc., to perform the project's roadway paving activities.

Swallow Construction is registered by the Illinois Department of Transportation as a prequalified contractor. This information can be found on IDOT's website at:

<https://idot.illinois.gov/Assets/uploads/files/Doing-Business/Specialty-Lists/Highways/Construction/Prequal-Lists/Preqlist.txt>

Please keep in mind that this project is partially funded with federal grant funds through the County's CDBG – Neighborhood Investment Program. And as such, the County's approval of the apparent low bidder is a County requirement, before the City can formally award the project's contract. I have contacted the County and have provided them with their required post-bid opening documents and I have requested their approval to award Swallow Construction the project's contract. I will notify you as soon as the County corresponds back to me.

Once we receive the County's approval, TEG will be recommending that the project's contract for the Sophia St. Area Water Main and Streets Rehabilitation Project (CDBG, CD22-03) be awarded to the lowest responsible bidder, Swallow Construction, for a contract amount not to exceed \$1,555,803.65.

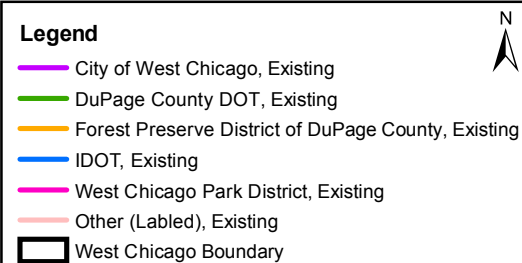
Should you have any questions or need additional information, please feel free to contact me.

Enclosures: Engineer's Estimate with Bid Tabulation – Sophia St. Area Water Main and Streets Rehabilitation Project (CDBG, CD22-03)

cc: - Sophia St. Area Water Main and Streets Rehabilitation Project (CDBG, CD22-03) – Project File

BID TABUALTION SOPHIA ST. AREA WATER MAIN AND STREETS REHABILITATION PROJECT CITY OF WEST CHICAGO Bid Opening: February 23, 2023 @ 11:00 A.M.						ENG. ESTIMATE		Swallow Construction Corp.	Schroeder Asphalt Services, Inc.	A. Lamp Concrete Contractors, Inc.	Martam Construction, Inc.		
								490 Topsoil Dr	P.O. Box 831	1900 Wright Boulevard	1200 Gasket Drive		
								West Chicago, IL 60185	Huntley, IL 60142	Schaumburg, IL 60193	Elgin, IL 60120		
ITEM NO.	BASE BID ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	EST. UNIT PRICE	EST. BID TOTAL	BID UNIT PRICE	BID TOTAL	BID UNIT PRICE	BID TOTAL	BID UNIT PRICE	BID TOTAL	BID UNIT PRICE	BID TOTAL
1	TREE ROOT PRUNING	EACH	20	\$120.00	\$2,400.00	\$ 125.00	\$ 2,500.00	\$ 121.00	\$ 2,420.00	\$ 50.00	\$ 1,000.00	\$ 220.00	\$ 4,400.00
2	EARTH EXCAVATION	CU YD	100	\$58.00	\$5,800.00	\$ 26.00	\$ 2,600.00	\$ 30.00	\$ 3,000.00	\$ 25.00	\$ 2,500.00	\$ 48.00	\$ 4,800.00
3	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	200	\$22.00	\$4,400.00	\$ 10.00	\$ 2,000.00	\$ 35.00	\$ 7,000.00	\$ 25.00	\$ 5,000.00	\$ 48.00	\$ 9,600.00
4	POROUS GRANULAR EMBANKMENT	CU YD	200	\$40.00	\$8,000.00	\$ 10.00	\$ 2,000.00	\$ 60.00	\$ 12,000.00	\$ 25.00	\$ 5,000.00	\$ 48.00	\$ 9,600.00
5	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,100	\$10.00	\$11,000.00	\$ 8.85	\$ 9,735.00	\$ 8.70	\$ 9,570.00	\$ 5.00	\$ 5,500.00	\$ 10.00	\$ 11,000.00
6	SODDING, SALT TOLERANT	SQ YD	1,100	\$16.00	\$17,600.00	\$ 8.35	\$ 9,185.00	\$ 9.05	\$ 9,955.00	\$ 12.00	\$ 13,200.00	\$ 14.30	\$ 15,730.00
7	AGGREGATE BASE COURSE, TYPE B, 4-INCH	SQ YD	250	\$12.00	\$3,000.00	\$ 11.25	\$ 2,812.50	\$ 7.00	\$ 1,750.00	\$ 5.00	\$ 1,250.00	\$ 11.00	\$ 2,750.00
8	AGGREGATE BASE COURSE, TYPE B, 6-INCH	SQ YD	142	\$14.50	\$2,059.00	\$ 25.00	\$ 3,550.00	\$ 10.00	\$ 1,420.00	\$ 12.00	\$ 1,704.00	\$ 16.00	\$ 2,272.00
9	BITUMINOUS MATERIALS (TACK COAT)	POUNDS	4,786	\$0.01	\$47.86	\$ 0.35	\$ 1,675.10	\$ 0.01	\$ 47.86	\$ 0.01	\$ 47.86	\$ 0.01	\$ 47.86
10	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	5	\$200.00	\$1,000.00	\$ 280.00	\$ 1,400.00	\$ 225.00	\$ 1,125.00	\$ 250.00	\$ 1,250.00	\$ 440.00	\$ 2,200.00
11	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	226	\$5.20	\$1,175.20	\$ 8.25	\$ 1,864.50	\$ 5.00	\$ 1,130.00	\$ 16.00	\$ 3,616.00	\$ 24.00	\$ 5,424.00
12	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	447	\$82.00	\$36,654.00	\$ 135.00	\$ 60,345.00	\$ 125.00	\$ 55,875.00	\$ 130.00	\$ 58,110.00	\$ 161.00	\$ 71,967.00
13	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (1.5")	TON	893	\$87.00	\$77,691.00	\$ 95.00	\$ 84,835.00	\$ 91.00	\$ 81,263.00	\$ 99.00	\$ 88,407.00	\$ 120.00	\$ 107,160.00
14	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	SQ YD	120	\$125.00	\$15,000.00	\$ 155.00	\$ 18,600.00	\$ 110.00	\$ 13,200.00	\$ 149.00	\$ 17,880.00	\$ 137.00	\$ 16,440.00
15	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	70	\$82.00	\$5,740.00	\$ 92.00	\$ 6,440.00	\$ 105.00	\$ 7,350.00	\$ 89.00	\$ 6,230.00	\$ 116.00	\$ 8,120.00
16	PORTLAND CEMENT CONCRETE SIDEWALK 5 TO 6 INCH, SPECIAL	SQ FT	12,349	\$9.00	\$111,141.00	\$ 9.15	\$ 112,993.35	\$ 9.40	\$ 116,080.60	\$ 9.50	\$ 117,315.50	\$ 8.50	\$ 104,966.50
17	PAVEMENT REMOVAL (PCC)	SQ YD	142	\$25.00	\$3,550.00	\$ 16.80	\$ 2,385.60	\$ 20.00	\$ 2,840.00	\$ 23.00	\$ 3,266.00	\$ 24.00	\$ 3,408.00
18	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	10,533	\$2.30	\$24,225.90	\$ 2.20	\$ 23,172.60	\$ 1.75	\$ 18,432.75	\$ 2.00	\$ 21,066.00	\$ 4.00	\$ 42,132.00
19	SIDEWALK REMOVAL	SQ FT	12,449	\$2.50	\$31,122.50	\$ 1.50	\$ 18,673.50	\$ 2.00	\$ 24,898.00	\$ 1.60	\$ 19,918.40	\$ 1.00	\$ 12,449.00
20	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	50	\$50.00	\$2,500.00	\$ 59.00	\$ 2,950.00	\$ 56.00	\$ 2,800.00	\$ 25.00	\$ 1,250.00	\$ 136.00	\$ 6,800.00
21	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	200	\$50.00	\$10,000.00	\$ 56.00	\$ 11,200.00	\$ 52.00	\$ 10,400.00	\$ 25.00	\$ 5,000.00	\$ 96.00	\$ 19,200.00
22	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	250	\$50.00	\$12,500.00	\$ 54.00	\$ 13,500.00	\$ 50.00	\$ 12,500.00	\$ 25.00	\$ 6,250.00	\$ 86.00	\$ 21,500.00
23	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	1,740	\$58.00	\$100,920.00	\$ 53.00	\$ 92,220.00	\$ 47.00	\$ 81,780.00	\$ 52.00	\$ 90,480.00	\$ 76.00	\$ 132,240.00
24	DUCTILE IRON WATER MAIN, 8"	FOOT	2,555	\$130.00	\$332,150.00	\$ 95.00	\$ 242,725.00	\$ 144.00	\$ 367,920.00	\$ 156.00	\$ 398,580.00	\$ 131.00	\$ 334,705.00
25	DUCTILE IRON WATER MAIN, 12"	FOOT	75	\$160.00	\$12,000.00	\$ 150.00	\$ 11,250.00	\$ 174.00	\$ 13,050.00	\$ 216.00	\$ 16,200.00	\$ 246.00	\$ 18,450.00
26	WATER VALVES 8"	EACH	5	\$2,500.00	\$12,500.00	\$ 8,500.00	\$ 42,500.00	\$ 3,570.00	\$ 17,850.00	\$ 2,350.00	\$ 11,750.00	\$ 2,820.00	\$ 14,100.00
27	FIRE HYDRANTS TO BE REMOVED	EACH	3	\$500.00	\$1,500.00	\$ 350.00	\$ 1,050.00	\$ 550.00	\$ 1,650.00	\$ 500.00	\$ 1,500.00	\$ 850.00	\$ 2,550.00
28	FIRE HYDRANTS WITH AUXILIARY VALVE AND VALVE BOX	EACH	5	\$8,500.00	\$42,500.00	\$ 8,500.00	\$ 42,500.00	\$ 8,800.00	\$ 44,000.00	\$ 9,400.00	\$ 47,000.00	\$ 9,160.00	\$ 45,800.00
29	DOMESTIC WATER SERVICE BOXES TO BE MOVED	EACH	2	\$250.00	\$500.00	\$ 500.00	\$ 1,000.00	\$ 110.00	\$ 220.00	\$ 300.00	\$ 600.00	\$ 560.00	\$ 1,120.00
30	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	1	\$100.00	\$100.00	\$ 100.00	\$ 100.00	\$ 275.00	\$ 275.00	\$ 200.00	\$ 200.00	\$ 240.00	\$ 240.00
31	INLETS (REMOVAL AND REPLACEMENT), TYPE A, TYPE 11 FRAME AND GRATE	EACH	1	\$350.00	\$350.00	\$ 2,100.00	\$ 2,100.00	\$ 2,875.00	\$ 2,875.00	\$ 2,700.00	\$ 2,700.00	\$ 2,260.00	\$ 2,260.00
32	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8	\$2,500.00	\$20,000.00	\$ 2,750.00	\$ 22,000.00	\$ 4,670.00	\$ 37,360.00	\$ 5,250.00	\$ 42,000.00	\$ 4,680.00	\$ 37,440.00
33	STRUCTURE TO BE ADJUSTED W/ NEW TYPE 11 FRAME AND GRATE	EACH	4	\$900.00	\$3,600.00	\$ 915.00	\$ 3,660.00	\$ 1,050.00	\$ 4,200.00	\$ 1,075.00	\$ 4,300.00	\$ 940.00	\$ 3,760.00
34	STRUCTURE TO BE ADJUSTED W/ NEW TYPE 24 FRAME AND GRAT	EACH	4	\$925.00	\$3,700.00	\$ 720.00	\$ 2,880.00	\$ 1,050.00	\$ 4,200.00	\$ 975.00	\$ 3,900.00	\$ 880.00	\$ 3,520.00
35	FRAMES AND GRATES TO BE ADJUSTED, TYPE 11	EACH	3	\$500.00	\$1,500.00	\$ 365.00	\$ 1,095.00	\$ 660.00	\$ 1,980.00	\$ 425.00	\$ 1,275.00	\$ 600.00	\$ 1,800.00
36	FRAMES AND LIDS TO BE ADJUSTED, TYPE 1	EACH	2	\$500.00	\$1,000.00	\$ 450.00	\$ 900.00	\$ 660.00	\$ 1,320.00	\$ 575.00	\$ 1,150.00	\$ 400.00	\$ 800.00
37	REMOVING MANHOLES (STORM SEWER)	EACH	1	\$550.00	\$550.00	\$ 540.00	\$ 540.00	\$ 550.00	\$ 550.00	\$ 500.00	\$ 500.00	\$ 350.00	\$ 350.00
38	FILLING VALVE VAULT & REMOVE VALVE	EACH	3	\$500.00	\$1,500.00	\$ 240.00	\$ 720.00	\$ 550.00	\$ 1,650.00	\$ 725.00	\$ 2,175.00	\$ 490.00	\$ 1,470.00
39	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1,880	\$35.00	\$65,800.00	\$ 55.00	\$ 103,400.00	\$ 44.00	\$ 82,720.00	\$ 37.00	\$ 69,560.00	\$ 36.00	\$ 67,680.00

BID TABUALTION SOPHIA ST. AREA WATER MAIN AND STREETS REHABILITATION PROJECT CITY OF WEST CHICAGO Bid Opening: February 23, 2023 @ 11:00 A.M.						Swallow Construction Corp. 490 Topsoil Dr West Chicago, IL 60185		Schroeder Asphalt Services, Inc. P.O. Box 831 Huntley, IL 60142		A. Lamp Concrete Contractors, Inc. 1900 Wright Boulevard Schaumburg, IL 60193		Martam Construction, Inc. 1200 Gasket Drive Elgin, IL 60120	
				ENG. ESTIMATE									
ITEM NO.	BASE BID ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	EST. UNIT PRICE	EST. BID TOTAL	BID UNIT PRICE	BID TOTAL	BID UNIT PRICE	BID TOTAL	BID UNIT PRICE	BID TOTAL	BID UNIT PRICE	BID TOTAL
40	MOBILIZATION	L SUM	1	\$30,000.00	\$30,000.00	\$ 50,000.00	\$ 50,000.00	\$ 4,000.00	\$ 4,000.00	\$ 97,400.00	\$ 97,400.00	\$ 100,000.00	\$ 100,000.00
41	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	484	\$3.50	\$1,694.00	\$ 5.25	\$ 2,541.00	\$ 2.20	\$ 1,064.80	\$ 2.00	\$ 968.00	\$ 6.50	\$ 3,146.00
42	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	144	\$5.90	\$849.60	\$ 10.25	\$ 1,476.00	\$ 4.68	\$ 673.92	\$ 4.00	\$ 576.00	\$ 11.00	\$ 1,584.00
43	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	78	\$11.60	\$904.80	\$ 20.25	\$ 1,579.50	\$ 9.50	\$ 741.00	\$ 8.00	\$ 624.00	\$ 20.00	\$ 1,560.00
44	STORM SEWER, RCP, CLASS A, TYPE 2, 12" OR LESS	FOOT	30	\$80.00	\$2,400.00	\$ 77.00	\$ 2,310.00	\$ 165.00	\$ 4,950.00	\$ 106.00	\$ 3,180.00	\$ 86.00	\$ 2,580.00
45	SANITARY SEWER SERVICE REMOVAL AND REPLACEMENT	FOOT	263	\$100.00	\$26,300.00	\$ 86.00	\$ 22,618.00	\$ 125.00	\$ 32,875.00	\$ 116.00	\$ 30,508.00	\$ 61.00	\$ 16,043.00
46	TACTILE/ DETECTABLE WARNING SURFACE	SQ FT	216	\$38.00	\$8,208.00	\$ 27.00	\$ 5,832.00	\$ 38.00	\$ 8,208.00	\$ 25.00	\$ 5,400.00	\$ 31.00	\$ 6,696.00
47	INSERTION VALVE, 6"	EACH	1	\$3,500.00	\$3,500.00	\$ 9,050.00	\$ 9,050.00	\$ 16,500.00	\$ 16,500.00	\$ 8,600.00	\$ 8,600.00	\$ 7,700.00	\$ 7,700.00
48	INSERTION VALVE, 12"	EACH	1	\$4,400.00	\$4,400.00	\$ 14,500.00	\$ 14,500.00	\$ 22,000.00	\$ 22,000.00	\$ 12,700.00	\$ 12,700.00	\$ 12,860.00	\$ 12,860.00
49	FIELD LOK GASKETS FOR DI WATER MAIN, 8"	EACH	48	\$140.00	\$6,720.00	\$ 300.00	\$ 14,400.00	\$ 178.00	\$ 8,544.00	\$ 180.00	\$ 8,640.00	\$ 160.00	\$ 7,680.00
50	TAPPING VALVES AND SLEEVES 6" x 8"	EACH	1	\$7,000.00	\$7,000.00	\$ 7,050.00	\$ 7,050.00	\$ 5,500.00	\$ 5,500.00	\$ 6,625.00	\$ 6,625.00	\$ 5,500.00	\$ 5,500.00
51	TAPPING VALVES AND SLEEVES 12" x 8"	EACH	1	\$8,100.00	\$8,100.00	\$ 11,500.00	\$ 11,500.00	\$ 9,150.00	\$ 9,150.00	\$ 10,500.00	\$ 10,500.00	\$ 8,500.00	\$ 8,500.00
52	TRENCH BACKFILL, SPECIAL	CU YD	1,790	\$3.00	\$5,370.00	\$ 33.00	\$ 59,070.00	\$ 44.00	\$ 78,760.00	\$ 1.00	\$ 1,790.00	\$ 43.00	\$ 76,970.00
53	EXPLORATION TRENCH (SPECIAL)	FOOT	30	\$15.00	\$450.00	\$ 30.00	\$ 900.00	\$ 11.00	\$ 330.00	\$ 50.00	\$ 1,500.00	\$ 67.00	\$ 2,010.00
54	STORM SEWER REMOVAL [UP TO 12" DIAMETER]	FOOT	30	\$10.00	\$300.00	\$ 3.00	\$ 90.00	\$ 27.50	\$ 825.00	\$ 10.00	\$ 300.00	\$ 13.00	\$ 390.00
55	CUT AND CAP EXISTING WATER MAIN	EACH	3	\$250.00	\$750.00	\$ 1,300.00	\$ 3,900.00	\$ 550.00	\$ 1,650.00	\$ 650.00	\$ 1,950.00	\$ 1,460.00	\$ 4,380.00
56	CUT AND PLUG EXISTING WATER MAIN (FOR ABANDONMENT)	EACH	8	\$250.00	\$2,000.00	\$ 1,300.00	\$ 10,400.00	\$ 550.00	\$ 4,400.00	\$ 625.00	\$ 5,000.00	\$ 1,460.00	\$ 11,680.00
57	WATER MAIN REMOVAL [UP TO 12" DIAMETER]	FOOT	125	\$10.00	\$1,250.00	\$ 3.00	\$ 375.00	\$ 11.00	\$ 1,375.00	\$ 10.00	\$ 1,250.00	\$ 11.00	\$ 1,375.00
58	WATER MAIN LINE STOP 6"	EACH	2	\$4,500.00	\$9,000.00	\$ 5,900.00	\$ 11,800.00	\$ 6,600.00	\$ 13,200.00	\$ 6,300.00	\$ 12,600.00	\$ 4,960.00	\$ 9,920.00
59	WATER MAIN LINE STOP 12"	EACH	1	\$5,500.00	\$5,500.00	\$ 7,900.00	\$ 7,900.00	\$ 13,200.00	\$ 13,200.00	\$ 8,300.00	\$ 8,300.00	\$ 8,550.00	\$ 8,550.00
60	SHORT WATER SERVICE	EACH	20	\$3,200.00	\$64,000.00	\$ 2,350.00	\$ 47,000.00	\$ 2,750.00	\$ 55,000.00	\$ 3,225.00	\$ 64,500.00	\$ 3,360.00	\$ 67,200.00
61	LONG WATER SERVICE	EACH	25	\$4,050.00	\$101,250.00	\$ 4,500.00	\$ 112,500.00	\$ 3,850.00	\$ 96,250.00	\$ 4,475.00	\$ 111,875.00	\$ 3,980.00	\$ 99,500.00
62	PRIVATE WATER SERVICE LINE REPLACEMENT, SIZE 1/2"- 2"	EACH	1	\$10,000.00	\$10,000.00	\$ 2,500.00	\$ 2,500.00	\$ 8,250.00	\$ 8,250.00	\$ 12,300.00	\$ 12,300.00	\$ 9,800.00	\$ 9,800.00
63	CONTROLLED LOW-STRENGTH MATERIAL, SPECIAL	CU YD	20	\$160.00	\$3,200.00	\$ 250.00	\$ 5,000.00	\$ 165.00	\$ 3,300.00	\$ 222.00	\$ 4,440.00	\$ 580.00	\$ 11,600.00
64	SANITARY MANHOLES TO BE ADJUSTED W/ NEW TYPE 1 F&CL	EACH	7	\$1,250.00	\$8,750.00	\$ 1,000.00	\$ 7,000.00	\$ 1,430.00	\$ 10,010.00	\$ 1,400.00	\$ 9,800.00	\$ 1,180.00	\$ 8,260.00
65	CONCRETE CURB, TYPE B (SPECIAL)	FOOT	70	\$45.00	\$3,150.00	\$ 80.00	\$ 5,600.00	\$ 44.00	\$ 3,080.00	\$ 59.00	\$ 4,130.00	\$ 46.00	\$ 3,220.00
66	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	\$50,000.00	\$50,000.00	\$ 75,000.00	\$ 75,000.00	\$ 12,000.00	\$ 12,000.00	\$ 40,000.00	\$ 40,000.00	\$ 58,000.00	\$ 58,000.00
67	VALVE BOX FOR 8" VALVE	EACH	2	\$450.00	\$900.00	\$ 350.00	\$ 700.00	\$ 660.00	\$ 1,320.00	\$ 1,200.00	\$ 2,400.00	\$ 580.00	\$ 1,160.00
68	WATER VALVE AND BOX TO BE REMOVED	EACH	2	\$400.00	\$800.00	\$ 80.00	\$ 160.00	\$ 220.00	\$ 440.00	\$ 350.00	\$ 700.00	\$ 280.00	\$ 560.00
69	CONNECTION TO EXISTING WATER MAIN (DRY, NON-PRESSURE) - 12" OR LESS	EACH	4	\$3,600.00	\$14,400.00	\$ 6,500.00	\$ 26,000.00	\$ 5,500.00	\$ 22,000.00	\$ 3,900.00	\$ 15,600.00	\$ 3,360.00	\$ 13,440.00
70	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SQ YD	150	\$38.50	\$5,775.00	\$ 33.00	\$ 4,950.00	\$ 27.00	\$ 4,050.00	\$ 43.00	\$ 6,450.00	\$ 58.00	\$ 8,700.00
71	HOT-MIX ASPHALT DRIVEWAY PAVEMENT REMOVAL	SQ YD	150	\$15.00	\$2,250.00	\$ 18.50	\$ 2,775.00	\$ 12.00	\$ 1,800.00	\$ 21.50	\$ 3,225.00	\$ 14.00	\$ 2,100.00
72	CONCRETE REMOVAL (SPECIAL)	SQ YD	70	\$15.00	\$1,050.00	\$ 11.00	\$ 770.00	\$ 20.00	\$ 1,400.00	\$ 24.00	\$ 1,680.00	\$ 22.00	\$ 1,540.00
73	CONSTRUCTION LAYOUT AND RECORD DRAWINGS	L SUM	1	\$10,000.00	\$10,000.00	\$ 9,435.00	\$ 9,435.00	\$ 11,500.00	\$ 11,500.00	\$ 3,850.00	\$ 3,850.00	\$ 13,500.00	\$ 13,500.00
74	TEMPORARY INFORMATION SIGN	L SUM	1	\$2,000.00	\$2,000.00	\$ 1,665.00	\$ 1,665.00	\$ 1,500.00	\$ 1,500.00	\$ 500.00	\$ 500.00	\$ 2,500.00	\$ 2,500.00
75	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH OR LESS	FOOT	260	\$150.00	\$39,000.00	\$ 200.00	\$ 52,000.00	\$ 172.00	\$ 44,720.00	\$ 175.00	\$ 45,500.00	\$ 124.00	\$ 32,240.00
76	MANHOLE LID ADJUSTING RINGS (SPECIAL)	EACH	2	\$200.00	\$400.00	\$ 200.00	\$ 400.00	\$ 440.00	\$ 880.00	\$ 250.00	\$ 500.00	\$ 480.00	\$ 960.00
BID TOTAL			As Corrected As Read	(Eng. Est.)	\$1,428,397.86		\$ 1,555,803.65		\$ 1,564,103.93		\$ 1,624,491.76		\$ 1,773,655.36
							\$ 1,555,803.65		\$ 1,564,103.93		\$ 1,624,491.76		\$ 1,773,655.36



Logo for West Chicago, Illinois. It features a stylized steam locomotive in the foreground and an airplane flying above it. The text "WEST CHICAGO ILLINOIS" is prominently displayed in the center.



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2020 BIKEWAY INFRASTRUCTURE POINTS OF INTEREST

BASE
MAP

DRAWING NO
1 OF 8