

CITY OF WEST CHICAGO

WHERE HISTORY & PROGRESS MEET

INFRASTRUCTURE COMMITTEE

Thursday, April 4, 2024
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 March 7, 2024
3. Public Participation / Presentations
4. Items for Consent
 - A. Ordinance No. 24-O-0011 – Authorizing the Disposal of Surplus Equipment, Stock Inventory, and/or Personal Property Owned by the City of West Chicago
 - B. Ordinance No. 24-O-0012 – Amending the Municipal Code, Chapter 15, Article VII – General Standards for Parkway Tree Regulation
 - C. Procurement of Unleaded and Diesel Fuel from Al Warren Oil Through the DuPage County Joint Purchasing Program
 - D. Resolution No. 24-R-0030 – Contract Award – Consulting Engineering, Inc., for Services Related to the 2024 Water Distribution System Leak Survey for an Amount Not to Exceed \$26,349.75
 - E. Resolution No. 24-R-0031 – Contract Award – Corrective Asphalt Materials, LLC for the 2024 Pavement Preventative Maintenance Program in an Amount Not to Exceed \$49,999.20
 - F. Resolution No. 24-R-0032 – A Supplemental Resolution Appropriating the Use of Additional Motor Fuel Tax Funds for the City's General Maintenance and Approving City's Supplemental Estimate of Maintenance Cost for the 2024 Roadway Rehabilitation Project in an Amount Not to Exceed \$11,468.23
 - G. Resolution No. 24-R-0033 – Contract Award – Plote Construction, Inc. for the 2024 Harvester Road Reconstruction Project in an Amount Not to Exceed \$3,819,800.57
 - H. Resolution No. 24-R-0035 – Contract Award – Strada Construction Co. for the 2024 Sidewalk and Curb Maintenance Program in an Amount Not to Exceed \$110,000.00
 - I. Resolution No. 24-R-0037 – Contract Award – St. Aubin Nursery & Landscaping, Inc. – 2024 Parkway Tree Planting Program in an Amount Not to Exceed \$42,500.00
 - J. Resolution No. 24-R-0038 – Change Order No. 2 – Construction, Inc. for the First and Lower Level Renovation Project at 200 Main St. in an Amount Not to Exceed \$21,600.00 for a Revised Contract Value of \$1,361,600.00
5. Items for Discussion
6. Unfinished Business

7. New Business
 - A. Cross Connection Program
8. Reports from Staff
9. Adjournment

CITY OF WEST CHICAGO

WHERE HISTORY & PROGRESS MEET

Draft

MINUTES

INFRASTRUCTURE COMMITTEE

March 7, 2024 7:00 P.M.

1. Call to Order, Roll Call, and Establishment of a Quorum. Chairman Morano called the meeting to order at 7:00 P.M. Roll call found Aldermen Dan Beebe, Heather Brown, Alton Hallett, Joe Morano, and John C. Smith, Jr., present. Alderman Jeanne Short was present via teleconference. Alderman Sandra Dimas was absent.

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

2. Approval of Minutes

A. Infrastructure Committee Minutes of February 1, 2024. Alderman Brown made a motion, seconded by Alderman Beebe to approve the Meeting Minutes of February 1, 2024.

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

3. Public Participation / Presentations. None.

4. Items for Consent. Alderman Morano requested discussion on Consent Item D. Alderman Brown requested discussion on Consent Item D as well and Item E. **Alderman Hallett made a motion, seconded by Alderman Brown to approve:**

- A. Rejection of all Bids and Re-Bid – A2O Phosphorous Removal Project for the West Chicago/Winfield Wastewater Authority Regional Wastewater Treatment Plant
- B. Resolution No. 24-R-0018 – Contract Award – KLM Engineering, Inc. for Professional Engineering Services Related to the 2024 Fremont Street Water Tower Rehabilitation Project for an Amount Not to Exceed \$71,090.00
- C. Resolution No. 24-R-0019 – Christopher B. Burke Engineering LTD. – Professional Services Related to the Water Treatment Plant Natural Area Basins Maintenance and Monitoring for an Amount Not to Exceed \$25,970.00 for FY2024-2026
- F. Resolution No. 24-R-0022 – Contract Award - BLA, Inc. for Professional Construction Engineering Services for IL-38 & Technology Boulevard Traffic Signal Installation Project in an Amount Not to Exceed \$74,391.00
- G. Resolution No. 24-R-0023 – 2024 Local Limits Study Evaluation Report
- H. Resolution No. 24-R-0024 - Contract Award – RJN Group, Inc. for Professional Design Engineering Services Related to the 2024 SSES Repair Program in the Not to Exceed Amount of \$25,000.00

- I. Resolution No. 24-R-0026 – Contract Award - Christopher B. Burke Engineering LTD. – Professional Design Engineering Services Related to the Elevated Water Tower Project for an Amount Not to Exceed \$138,290.00
- J. Resolution No. 24-R-0027 – Contract Award – Schroeder Asphalt Services, Inc. for the 2024 Roadway Rehabilitation Project in an Amount Not to Exceed \$940,368.23

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

5. Items for Discussion.

4.D. Resolution No. 24-R-0020 – Change Order No. 1 – Boller Construction Company, Inc. for the Headworks Gate Improvement Project at the West Chicago/Winfield Wastewater Authority Regional Wastewater Treatment Plant in an Amount Not to Exceed \$278,800.00 for a Revised Contract Value of \$808,100.00. Mr. Patel explained that this change order is not actually due to unforeseen work but is intended to exercise the alternate bid which was not part of the originally awarded contract. Boller has agreed to hold their pricing if the alternate bid was awarded prior to July 1, 2024. The West Chicago/Winfield Wastewater Authority (WCWWA) wanted to spray protective lining on all four of the Plant's primary clarifiers, but there were only enough funds to coat two last year. This change order would take care of the remaining two primary clarifiers and was effectively a way to spread the cost across two fiscal years. **Alderman Morano made a motion, seconded by Alderman Brown to approve.**

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

4.E. Resolution No. 24-R-0021 – Contract Amendment No. 1 – Cemetery Management, Inc. (John B. Reynolds) for Cemetery Sexton Services in an Amount of \$25,000.00 for a Revised Not to Exceed Amount of \$45,000.00 for FY 2024. Mr. Patel explained that Cemetery Management, Inc. (CMI) has supervised and directed all activities in the Glen Oak and Oakwood Cemeteries since 1990. Prior to the expiration of the Cemetery Sexton Services Contract in 2023, staff discussed renewal options with CMI and received a proposal for continued services through 2026, with price increases for most of its services. The most notable increase was in the ground maintenance activities, so a short-term contract was signed with CMI to continue other services, excluding ground maintenance activities, while staff included those services as part of the City's 2024 Rights-of-Way (ROW) Maintenance Program bid for pricing comparison. Staff received much more favorable pricing through that bid, so the grounds maintenance of both cemeteries will now be included as part of the ROW Maintenance Program. The current contract with CMI expires on March 31, 2024, so it is staff's recommendation to extend the contract through the end of FY2024. **Alderman Morano made a motion, seconded by Alderman Brown to approve.**

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

6. Unfinished Business. None.

7. New Business.

A. Lead Service Line Replacement Plan. Mr. Patel noted that the Lead Service Line Replacement and Notification Act (LSLRNA) was passed and signed by Governor Pritzker with an effective date of January 1, 2022. The Act requires the City to submit its lead service line inventory on an annual basis, as well as submit an initial Lead Service Line Replacement Plan for the community by April 15, 2024, with the final plan due April 15, 2027, after annual revisions. The current plan proposes 56 lead service line replacements per year beginning in 2027, and the City has 14 years to complete all replacements. Doing it at this pace will cost the City more as material and labor costs continue to increase, and neighboring communities will be fighting for the same resources as well. The funding source the City intends on using for this project is the IEPA State Revolving Funds (SRF), which is a 0% interest loan to the community specifically for lead service line replacements. It is staff's intention to do as much of the lead service line replacements prior to 2027 before all communities are fighting for the same resources. The Lead Service Line Replacement Plan also includes financial responsibility determinations, most of which involve the City paying the cost, except in cases where the property owner wants to replace their service ahead of what is scheduled. Alderman Brown asked if there were any other grant funds we could seek for assistance with this project. Mr. Patel said he was not aware of any additional grants at this moment, but there is a possibility for loan principal forgiveness based on median household income since there has been a push for eligibility to be based on where the project is taking place rather than the community as a whole. **The Committee agreed to approve the Lead Service Line Replacement Plan and directed staff to submit said Plan to the IEPA as well as seek funding through the IEPA SRF.**

8. Reports from Staff. None.

9. Adjournment. At 7:39 P.M., Alderman Brown made a motion to adjourn, seconded by Alderman Hallett. **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:

Ordinance No. 24-O-0011 – Authorizing the Disposal of Surplus Equipment, Stock Inventory, and/or Personal Property Owned By the City Of West Chicago

AGENDA ITEM NUMBER:4.A.**COMMITTEE AGENDA DATE:** April 4, 2024**COUNCIL AGENDA DATE:** April 15, 2024**STAFF REVIEW:** Colin Fleury, Chief of Police**SIGNATURE** _____**APPROVED BY CITY ADMINISTRATOR:** Michael L. Guttman**SIGNATURE** _____**ITEM SUMMARY:**

City staff has identified surplus equipment, stock inventory, and/or personal property that has no useful life and is no longer useful to the City, has little or no salvage value, and should be appropriately disposed of (please refer to Ordinance No. 24-O-0011 and Attachment A for additional information). The firearms listed in Attachment A will be traded into Kiesler's Police Supply as a credit of \$17,000.00 towards the purchase of new handguns, and an amount not to exceed \$11,000.00 of Federal Drug Asset Forfeiture funds will be used for the remaining balance of the purchase.

Therefore, staff is requesting that these items be declared surplus so that they may be traded in, disposed of through auction, disposed of through the City's contractual waste hauler, recycled, or sold to a local scrap dealer for scrap value; in a manner deemed appropriate by the City Administrator, with or without consideration.

ACTIONS PROPOSED:

Adopt Ordinance No. 24-O-0011 for the disposal or sale of surplus equipment, stock inventory, and/or personal property owned by the City of West Chicago.

COMMITTEE RECOMMENDATION:

ORDINANCE NO. 24-O-0011

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

WHEREAS, in the opinion of the corporate authorities of the City of West Chicago, it is no longer necessary or useful to or for the best interests of the City of West Chicago, to retain ownership of the surplus equipment, stock inventory, and/or personal property hereinafter described; and,

WHEREAS, it has been determined by the City Council of the City of West Chicago to properly dispose of said surplus equipment, stock inventory, and/or personal property.

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

SECTION 1. Pursuant to 65 ILCS 5/11-76-4, the City Council of the City of West Chicago finds that the surplus equipment, stock inventory, and/or personal property listed on Attachment A are no longer necessary or useful to the City of West Chicago and the best interests of the City of West Chicago will be served by their disposal.

SECTION 2. Pursuant to said Statute, the City Administrator 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. The firearms listed in Attachment A will be traded in as a credit of \$17,000 towards the purchase of new handguns, and an amount not to exceed \$11,000 of Federal Drug Asset Forfeiture funds will be used for the remaining balance of the purchase.

SECTION 3. All ordinances and resolutions, or parts thereof, in conflict with the provisions of this Ordinance are, to the extent of such conflict, hereby repealed.

SECTION 4. That this Ordinance shall be in full force and effect ten (10) days from and after its passage, approval, and publication in pamphlet form as provided by law.

PASSED this 15th day of April 2024.

| | | | |
|-------------------------|-------|------------------------|-------|
| Alderman D. Beebe | _____ | Alderman L. Chassee | _____ |
| Alderman J. Sheahan | _____ | Alderman H. Brown | _____ |
| Alderman A. Hallett | _____ | Alderman C, Dettmann | _____ |
| Alderman Birch-Ferguson | _____ | Alderman S. Dimas | _____ |
| Alderman C. Swiatek | _____ | Alderman J. Smith, Jr. | _____ |
| Alderman R. Stout | _____ | Alderman J. Short | _____ |
| Alderman J. Morano | _____ | Vacant | _____ |

APPROVED as to form: _____
City Attorney

ADOPTED this 15th day of April 2024.

Mayor Ruben Pineda

ATTEST:

Executive Office Manager, Valeria Perez

PUBLISHED: _____

ATTACHMENT "A"
LISTING OF SURPLUS ITEMS
ORDINANCE NO. 24-O-00##

| REQUESTING TO BE REMOVED | Serial # / VIN # / ID # | Qty |
|---------------------------------|--------------------------------|------------|
| GLOCK Model 17 Gen 5 | BKPN432 | 1 |
| GLOCK Model 17 Gen 5 | BKPN434 | 1 |
| GLOCK Model 17 Gen 5 | BKPN435 | 1 |
| GLOCK Model 17 Gen 5 | BTWL846 | 1 |
| GLOCK Model 17 Gen 5 | BTWL847 | 1 |
| GLOCK Model 17 Gen 5 | BTWL848 | 1 |
| GLOCK Model 17 Gen 5 | BTWL849 | 1 |
| GLOCK Model 17 Gen 5 | BFLF181 | 1 |
| GLOCK Model 17 Gen 5 | BFLF183 | 1 |
| GLOCK Model 17 Gen 5 | BFLF184 | 1 |
| GLOCK Model 17 Gen 5 | BMWZ258 | 1 |
| GLOCK Model 17 Gen 5 | BMWZ259 | 1 |
| GLOCK Model 17 Gen 5 | BMWZ260 | 1 |
| GLOCK Model 17 Gen 5 | BMWZ261 | 1 |
| GLOCK Model 17 Gen 5 | BMWZ262 | 1 |
| GLOCK Model 17 Gen 5 | BMWV435 | 1 |
| GLOCK Model 17 Gen 4 | TB6832 | 1 |
| GLOCK Model 17 Gen 4 | WMU351 | 1 |
| GLOCK Model 17 Gen 4 | ZEY898 | 1 |
| GLOCK Model 17 Gen 4 | BBVL694 | 1 |
| GLOCK Model 17 Gen 4 | BAGR647 | 1 |
| GLOCK Model 17 Gen 4 | ZEY899 | 1 |
| GLOCK Model 21 SF | WXG770 | 1 |
| GLOCK Model 21 SF | WXG771 | 1 |
| GLOCK Model 21 SF | NYF182 | 1 |
| GLOCK Model 21 SF | NYF183 | 1 |
| GLOCK Model 21 SF | NYF184 | 1 |
| GLOCK Model 21 SF | NYF190 | 1 |
| GLOCK Model 21 SF | NYF192 | 1 |
| GLOCK Model 21 SF | NYF194 | 1 |
| GLOCK Model 21 SF | NYF199 | 1 |
| GLOCK Model 21 SF | BFFG595 | 1 |
| GLOCK Model 21 SF | BFFG597 | 1 |
| GLOCK Model 21 Gen 4 | BKVV210 | 1 |
| GLOCK Model 21 Gen 4 | BLEZ000 | 1 |
| GLOCK Model 21 Gen 4 | BGGU652 | 1 |
| GLOCK Model 21 Gen 4 | BGGU653 | 1 |
| GLOCK Model 21 Gen 4 | BGGU664 | 1 |
| GLOCK Model 21 Gen 4 | BGGU671 | 1 |
| GLOCK Model 21 Gen 4 | BEKN382 | 1 |
| GLOCK Model 21 Gen 4 | BEKN383 | 1 |
| GLOCK Model 21 Gen 4 | BEKN384 | 1 |
| GLOCK Model 21 Gen 4 | BEKN385 | 1 |

ATTACHMENT "A"
LISTING OF SURPLUS ITEMS
ORDINANCE NO. 24-O-00##

| | | |
|-------------------------------|-------------------|---|
| Rock River AR-15 | KT1126700 | 1 |
| Rock River AR-15 | KT1126683 | 1 |
| Rock River AR-15 | KT1136333 | 1 |
| Rock River AR-15 | KT1126691 | 1 |
| Rock River AR-15 | KT1126693 | 1 |
| Rock River AR-15 | KT1126698 | 1 |
| Rock River AR-15 | KT1126689 | 1 |
| Rock River AR-15 | KT1126697 | 1 |
| Rock River AR-15 | KT1126702 | 1 |
| Rock River AR-15 | KT1126703 | 1 |
| Rock River AR-15 | KT1126701 | 1 |
| Colt AR-15 | LGC029841 | 1 |
| Colt AR-15 | LGC029876 | 1 |
| Colt AR-15 | LGC029830 | 1 |
| Colt AR-15 | LGC029864 | 1 |
| Colt AR-15 | LGC029784 | 1 |
| Colt AR-15 | LGC029814 | 1 |
| Colt AR-15 | LGC029789 | 1 |
| Colt AR-15 | LGC029851 | 1 |
| Colt AR-15 | LGC029804 | 1 |
| Colt AR-15 | LGC029880 | 1 |
| Colt AR-15 | LGC029879 | 1 |
| Colt AR-15 | LGC029863 | 1 |
| Colt AR-15 | LGC029795 | 1 |
| Colt AR-15 | LGC029785 | 1 |
| Colt AR-15 | LGC029800 | 1 |
| Colt AR-15 | LGC029834 | 1 |
| Colt AR-15 | LGC029833 | 1 |
| Colt AR-15 | LGC029791 | 1 |
| 2014 Chevy Caprice (Unit 344) | 6G3NS5U23EL926443 | 1 |

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CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Ordinance No. 24-O-0012 – Amending the Municipal Code, Chapter 15, Article VII - General Standards for Parkway Tree Regulation

AGENDA ITEM NUMBER:4.B.**COMMITTEE AGENDA DATE:** April 4, 2024**COUNCIL AGENDA DATE:** April 15, 2024**STAFF REVIEW:** Mehul T. Patel, P.E., CFM., Director of Public Works**SIGNATURE** _____**APPROVED BY CITY ADMINISTRATOR:** Michael L. Guttman**SIGNATURE** _____**ITEM SUMMARY:**

In 2022, the City of West Chicago Public Works Department staff 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). The underlying funding sources are the Illinois Department of Natural Resources and the United States Forest Service. Other grant requirements include adopting an Ordinance establishing guidelines related to trees and becoming a member of Tree City USA.

The Parkway Tree Inventory and UFMP are complete. The UFMP will become the guiding document for tree-related matters in the City. Staff is working on the application to become a member of Tree City USA, for which an Arbor Day Proclamation will be presented at the April 15, 2024, City Council meeting. For the Ordinance requirement, staff has modified the current Municipal Code section 15-5 by adding and removing some language. The attached proposed draft Ordinance, which meets all the grant requirements, has been reviewed and recommended for adoption by the Morton Arboretum staff. If adopted, the Ordinance will be included in the Municipal Code as Article VII, Section 15-76 to 15-87.

Staff recommends approval of the proposed Ordinance.

ACTIONS PROPOSED:

Adopt Ordinance No. 24-O-0012 amending the Code of Ordinances of the City of West Chicago – Chapter 15 (Public Ways), removing Chapter 15, Article 1 – Section 15-5 and adding a new article VII – General Standards for Parkway Tree Regulation, Section 15-76 – 15-87

COMMITTEE RECOMMENDATION:

ORDINANCE NO. 24-O-0012

AN ORDINANCE AMENDING THE CODE OF ORDINANCES OF THE CITY OF WEST CHICAGO – CHAPTER 15 (PUBLIC WAYS), REMOVING CHAPTER 15, ARTICLE 1 – SECTION 15-5 AND ADDING A NEW ARTICLE VII – GENERAL STANDARDS FOR PARKWAY TREE REGULATION, SECTION 15-76 – 15-87

WHEREAS, the City of West Chicago (the “City”) is a home-rule municipality pursuant to Article VII, Section 6, of the Constitution of the State of Illinois, and as such is authorized to take all reasonable action pertaining to its affairs in accordance therewith; and

WHEREAS, the City is further authorized under the Illinois Municipal Code, 65 ILCS 5/1-1-1 *et seq.*, and Illinois law to adopt ordinances pertaining to the public health, and safety and welfare; and

WHEREAS, the City is further authorized to adopt the amendments contained herein pursuant to its authority to regulate the public right-of-way under section 11-80-1 *et seq.*, of the Illinois Municipal Code; and

WHEREAS, the City uses public right-of-way within its City limits to provide essential public services to its residents and businesses. The public right-of-way within the City is a limited public resource held by the City for the benefit of its citizens and the City has a custodial duty to ensure that the public right-of-way is used, repaired, and maintained in a manner that best serves the public interest; and

WHEREAS, to best serve the public interest the City plants and maintains trees within the public right-of-way; and

WHEREAS, the City recognizes that trees are an integral part of the infrastructure of the City and as such are preserved, protected, and cared for as other critical City infrastructure

WHEREAS, to preserve and protect trees in the public right-of-way, the City Council finds that it is in the best interests of the public to adopt the Ordinance below to establish general standards for parkway trees.

NOW, THEREFORE, BE IT ORDAINED by the City Council of the City of West Chicago, Illinois, as follows:

Section 1. Recitals. The facts and statements contained in the preambles to this Ordinance are found to be true and correct and are hereby adopted as part of this Ordinance.

Section 2. Adoption. Chapter 15 of the Code of Ordinances of the City of West Chicago shall be amended by the adoption of a new Article VII as stated herein, which will read as follows:

“ARTICLE VII.
GENERAL STANDARDS FOR PARKWAY TREE REGULATIONS

Sec 15-76: Purpose and Statement of Value

- A. The purpose of this chapter is to preserve and protect trees on City-owned property and to state the regulations of the City of West Chicago with respect to the protection, preservation, care and planting of trees on public lands. The City of West Chicago recognizes the services and functions that trees provide as assets to the entire City.

- B. The City recognizes that trees are an integral part of the infrastructure of the City and as such are preserved, protected, and cared for as other critical City infrastructure. Trees provide the following services and benefits:
 - a. Trees absorb pollution from the air;
 - b. Trees absorb and sequester carbon dioxide;
 - c. Trees absorb and filter pollution from stormwater run-off;
 - d. Trees produce oxygen;
 - e. Trees reduce flooding;
 - f. Trees stabilize soils and reduce erosion;
 - g. Trees cool the surrounding area helping to reduce impacts due to heat islands;
 - h. Trees reduce energy consumption by shielding structures from harsh winds and sun;
 - i. Trees provide a buffer and screen against noise, light and pollution;
 - j. Trees improve property values;
 - k. Trees improve commercial district traffic and purchasing;
 - l. Areas with trees have lower crime rates;
 - m. Areas with trees have higher levels of community interaction;
 - n. Trees provide important habitat for birds and other wildlife; and

- o. Trees protect and enhance our quality of life.
- p. Studies have shown links between increased tree canopy and physical and mental health.

Sec 15-77: Definitions

Additional terms may be defined by the Urban Forestry Management Plan, City Forester, Director of Public Works, or their designee on an ad hoc basis.

ANSI A300: Standards which provide standard practices and specification writing guidelines for arborists, urban foresters, horticulturalists, landscape architects, and contractors

ANSI Z133.1: Safety Standard developed for the arboriculture industry under the procedures of the American National Standards Institute.

ANSI Z60.1: The purpose of the American Standard for Nursery Stock, ANSI Z-60.1 is to provide buyers and sellers of nursery stock with a common terminology to facilitate transactions involving nursery stock

Caliper: A measurement of a small nursery tree trunk diameter or cumulative diameters for trees with multiple stems, in inches, measured at 6” above the ground surface.

City-Owned Property: A real property whose primary ownership is the City of West Chicago

DBH: Diameter at Breast Height, a standard forestry measure of a mature tree’s diameter, measured at 4.5 feet above the ground surface on the uphill side of the tree.

Designee: A person selected or designated to carry out a duty or role related to forestry and trees

Mature Height: The average expected height of a tree when it has reached its maximum size.

Native: An indigenous or endemic species found in a certain ecosystem due to natural processes such as natural distribution

Indigenous Species: Found only in a very limited area and restricted to that area

Parkway: That portion of the dedicated right-of-way between the curb line or the lateral lines of the roadway and the sidewalk or adjacent property or right-of-way line, or the assumed or surveyed line when some or all of these defining features are not present.

Publicly Owned Tree: A tree planted on property owned by the City of West Chicago.

ROW: Right of Way, the legal right, established by usage or grant, to pass along a specific route through grounds or property belonging to another.

Shrub: A shrub or bush is a small-to-medium-sized perennial woody plant which is smaller than a tree and has several main stems arising at or near the ground

Tree: A woody perennial plant with a mature height of over 10 feet and with one or fewer than 10 trunks.

Tree Board: A board comprised of staff members from different departments within the City as identified in the Urban Forestry Management Plan (UFMP).

Tree Protection Zone: An area where activities and materials are excluded by 6' fencing, generally calculated as the radius from the tree in feet, that is 12-18x the diameter of the tree in inches.

Variance: A deviation from the set of rules a municipality applies to land use and land development, typically a zoning ordinance, building code or municipal code

Sec 15-78: Applicability / Scope

This ordinance shall apply to ROW, Parkway, or other Publicly owned trees at all times, not just when triggered by an event occurring, such as a permit initiation. Deviations from the ordinance may be requested through a formal Request for Variance to City Council, and approved or denied by the City Council. Additional terms or information may be provided in the Urban Forestry Management Plan

Sec 15-79: Authority Over Parkways

The Director of Public Works, Street Superintendent, or their authorized representative is hereby empowered to inspect, superintend, regulate the planting, preservation, protection and maintenance of items placed or planted on the parkways of the streets of West Chicago. No person shall plant or remove any tree, shrub or any other woody plant or place any item on any city parkway until the Director of Public Works, Street Superintendent, or their authorized representative has issued an approval in writing for such planting, removal or placement. The city shall enforce this section and remove any item unlawful placed or planted on any parkway within the city. Except in situations where the item on a parkway is creating an immediate hazard to the public, the city shall notify the owner of the property adjoining the parkway of the unlawful presence of the item. The city shall enforce this section and remove any item unlawful placed or planted on any parkway within the city. Except in situations where the item

on a parkway is creating an immediate hazard to the public, the city shall notify the owner of the property adjoining the parkway of the unlawful presence of the item.

Sec 15-80: Tree Planting

(A) General Standards

- (1) The city retains the right to plant parkway trees wherever needed in conformance with this chapter.
- (2) The city will replace all trees removed from the parkway if replacement is recommended by the Director of Public Works, Street Superintendent, or their authorized representative.
- (3) No person shall, without a written approval from the Director of Public Works, remove, trim, or interfere with any tree, shrub, or woody plant growing in any parkway in the city.
- (4) Trees to be planted shall conform to all relevant portions of the ANSI Z60.1 standard, as shall planting methods. Minimum planting size shall be 1.5" caliper, and any production method is acceptable at the discretion of the Director of Public Works, Street Superintendent, or their authorized representative.
- (5) Trees with excessive deadwood, poor form, known pest or disease issues, or other such maladies shall not intentionally be planted on City parkways. The Director of Public Works, Street Superintendent, or their authorized representative shall examine upon inspection in the nursery field and/or upon delivery all trees, and shall reserve the right to reject any individual trees which do not meet stated standards as identified in the Request for Proposals and/or bid documents.
- (6) Trees should be planted such that there are never less than 5 species per 500 linear feet of street segment, and no 5 trees in a row shall be of the same species, unless at the discretion of the Director of Public Works, Street Superintendent or their designee.
- (7) Trees shall be planted in such a way so as not to interfere with underground or overhead utilities or with any other physical property.
- (8) All new plantings in parkways should be a 40 foot on center spacing when practical, with exceptions allowed for the planting of lower growing trees allowed to be planted closer to larger growing trees, but no less than a 25' spacing between trees of any kind shall be acceptable.
- (9) No tree shall be planted within 5 feet of a driveway or street sign, and no tree shall be planted within 10 feet of an intersection, traffic control device, or street lamp
- (10) Trees which reach a mature height of greater than 25' shall not be planted in areas with overhead power transmission or service lines.

(B) Plant palette.

- (1) Plant materials, identified in the Appendix A of the Urban Forestry Management Plan and at the discretion of the Director of Public Works, Street Superintendent, or their authorized representative, have been selected to maintain a consistent landscape image. Materials have been chosen for their durability, disease resistance, low maintenance and character compatibility with the regional ecosystem. Most all plant materials listed are 'indigenous or native' to this region; however, some materials have been included

because of successful performance, ability to perform specific functions, visual interest and expectations of similar business center development landscapes. Subsequently, plant materials not listed may be approved provided they meet the aforementioned criteria and are approved by the authority, as noted.

- (2) All plants supplied shall conform to the "American Standard for Nursery Stock," latest edition, and shall be installed according to the current standards of the American Association of Nurserymen.
- (3) Plants shall be selected to minimize conflicts between the flight path of planes, bird, and small mammal habitats.
 - (a) The landscape within the airport zoning district shall be designed to minimize potential wildlife hazards of raptors, small mammals that may attract birds of prey and small birds that congregate into large flocks. Plant materials and planting design that provides food and or habitat shelter to these types of birds and mammals shall be avoided.
 - (b) Tree species shall be selected and located so that at maturity, tree crowns shall not overlap to minimize habitats that are potentially attractive to European starlings and other wildlife species of concern to airport operations. Trees shall be spaced to maintain a minimum of fifteen (15) feet between anticipated mature crown sizes for each tree species selected.
 - (c) Selected tree species should tend toward a vertical or ascending branching habit to minimize perching and nesting opportunities for birds. Densely branched and foliated tree species shall not be allowed.
 - (d) Trees, shrubs, forbs and grasses that provide fruit, seed or forage palatable to grazing animals shall be avoided.

Sec 15-81: Tree Pruning and Other Maintenance:

- (1) All trees on publicly owned Right of Ways (including but not limited to parkways, public parks, city owned properties such as police stations, pump stations, etc.) shall be the property of the City of West Chicago, and should not be pruned, removed, or otherwise tampered with or destroyed by the adjoining resident, or anyone other than City staff or Contractors hired by the City, without being subject to the penalties listed below.
- (2) Trees shall be maintained at a street clearance height of no less than 14' to allow for truck traffic on streets where truck traffic is allowed. On streets where no truck traffic is allowed, the street clearance height shall be a minimum of 10'.
- (3) Cyclical pruning shall take place each year to prune a portion of the trees in order to maintain health and vigor, and maintain a lower risk tree population. Such pruning shall conform to ANSI A300 and Z133.1 standards as applicable, and as approved by the Director of Public Works, Street Superintendent or their authorized designee.
- (4) Cyclical pruning shall be performed for the following reasons: street clearance, lamp and signage clearance, sidewalk clearance, thinning of the canopy as needed, removal of dead limbs, mitigating branch conflicts, establishing good branch structure, and

mitigating pest and disease issues, and others as noted by the Director of Public Works, Street Superintendent or their authorized designee.

- (5) Pruning by contractors or in house staff shall conform to all relevant ANSI A300 and Z133.1 standards, and shall avoid header cuts, topping, lion tailing, pruning more than 20% of a crown in a single calendar year, and other poor management processes. Variances to this ordinance may be allowed Director of Public Works, Street Superintendent or their authorized designee.
- (6) Application of chemicals or other treatments to trees, including but not limited to foliar and trunk sprays, trunk injections, macro infusions, and ground applications for the prevention and elimination of disease and insect infestation shall be performed to meet the specific requirements of the species of tree and the particular disease or insect infestation which exists or threatens. It shall be the Director of Public Works, Street Superintendent or their authorized designee's responsibility to determine the need and extent of treatment requirements and make recommendations to the city.
- (7) All contractors performing work on trees shall have at least one certified arborist on staff and shall adhere to the insurance and tree maintenance standards described in the UFMP
- (8) Additional standards may be found in the Urban Forestry Management Plan

Sec 15-82: Tree Management During Construction

Trees shall be a consideration during all phases of construction or redevelopment projects where Right of Way, Parkway, or other public trees may be affected. Additional information may be found in the Urban Forestry Management Plan

- (1) For ROW, Parkway, or other Public trees to be retained during construction, a minimum 6-foot height fence shall be installed at the limits of the critical root zone of the tree, or as determined by the Director of Public Works, Street Superintendent or their authorized designee. Such fencing shall remain in place at all times, without exception.
- (2) Within the fenced tree protection zone, the following shall not be permitted under any circumstance:
 - a. Storage of construction materials or liquids such as fuel or oil of any kind
 - b. Movement or storage of construction equipment
 - c. Storage of waste or refuse
- (3) Periodic inspections by the city shall be performed. If found to be in compliance, the fencing may be removed directly before the landscaping phase of the project.
- (4) A final inspection shall be performed by the city within 1 year of permit close to ensure that tree protection measures were successful.

Sec 15-83: Relocation or Replacement

Trees, newly planted or mature, shall not be relocated from their current sites due to the negative potential impact on the tree's survivorship and therefore loss of investment by the City

- (1) Trees planned for and planted by the City shall have a 1-year replacement guarantee from the supplying nursery
- (2) If a tree perishes due to natural age or other such natural causes, the tree shall be replaced by the City.

Sec 15-84: Variance

- (1) All appeals for variance to this ordinance shall be presented to the Tree Board in writing. The Tree Board will present the appeal to the City Council at the time of their regularly scheduled meetings. The appeal will be approved or denied by the City Council within a reasonable time frame.
- (2) The criteria considered for variance request are including but not limited to health, type and location of the tree(s) or any other special hardship (excluding financial) circumstances that would make the ordinance enforcement unreasonable, provided larger public benefit is achieved.

Sec 15-85: Penalties

- (1) Violation of any clause in this ordinance directly related to injury or damage done to a tree shall be assessed at the rate of \$150 per diameter inch of the impacted tree.
- (2) In cases where damage has been partial, the Director of Public Works, Street Superintendent or their authorized designee retain the right to determine what percentage of the tree was damaged and assess that portion of the fine.

Sec 15-86: Exceptions

In the event of an extreme and unpredictable event such as a catastrophic storm, certain portions of this ordinance may be waived by the Director of Public Works at their discretion, in order to save human life or abate severe property damage.

Sec 15-87: Severability

If any part, term or provision of this Ordinance is held to be illegal, in conflict with any law or otherwise invalid, the remaining portion or portions shall be considered severable and not be affected by such determination, and the rights and obligations of the City shall be construed and enforced as if the Ordinance did not contain the particular section held to be illegal or invalid.

Section 3. The findings and recitals herein are declared to be prima facie evidence of the law of the City and shall be received in evidence as provided by the Illinois Compiled Statutes and the courts of the State of Illinois.

Section 4. Effective Date. This Ordinance shall be in full force and effect ten (10) days

from and after its passage, approval and publication in pamphlet form as provided by law.

Section 5. All ordinances and resolutions, or parts thereof, in conflict with the provisions of this Ordinance are, to the extent of such conflict, hereby repealed.

PASSED, this ____ day of _____, 2024.

| | | | |
|----------------------------|-------|----------------------|-------|
| Alderman D. Beebe | _____ | Alderman L. Chassee | _____ |
| Alderman J. Sheahan | _____ | Alderman H. Brown | _____ |
| Alderman A. Hallett | _____ | Alderman C. Dettmann | _____ |
| Alderman M. Birch Ferguson | _____ | Alderman S. Dimas | _____ |
| Alderman C. Swiatek | _____ | Alderman J. Smith | _____ |
| Alderman R. Stout | _____ | Alderman J. Short | _____ |
| Alderman J. Morano | _____ | | |

APPROVED as to form: _____
City Attorney

APPROVED this ____ day of _____, 2024.

Mayor, Ruben Pineda

ATTEST:

Valeria Perez, Executive Office Manager

PUBLISHED: _____

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Procurement of Unleaded and Diesel Fuel from Al Warren Oil Through the DuPage County Joint Purchasing Program

AGENDA ITEM NUMBER: 4.C.

COMMITTEE AGENDA DATE: April 4, 2024

COUNCIL AGENDA DATE: April 15, 2024

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

SIGNATURE _____

APPROVED BY CITY ADMINISTRATOR: Michael L. Guttman

SIGNATURE _____

ITEM SUMMARY:

Annually, the City contracts for unleaded gas and diesel fuel deliveries. Costs are determined by using the wholesale low rack gasoline and fuel price on the date of delivery as published by O.P.I.S. (Oil Price Information Service), plus delivery charges, and applicable taxes. The only variable to the annual contract and bids is delivery charges.

Prior to Fiscal Year 2015, the City had participated in the Suburban Purchasing Cooperative (SPC) Joint Purchasing Program for fuel purchase. Since 2015, the City has participated in DuPage County's Joint Purchasing Program for fuel purchase and delivery.

In January 2023, DuPage County agreed to add the City of West Chicago and its estimated fuel quantities to the bid proposal document. The bid proposal was advertised on February 6, 2023, and bids were opened on February 28, 2023. Al Warren Oil was the lowest bidder. Staff has recently been advised that LA Warren Oil has agreed to extend the portion of the contract for those associated users, including West Chicago, for the first extension for the purchase and delivery of fuel for the period of April 1, 2024, through March 31, 2025, at the 2023 prices. The following table represents City of West Chicago quantities and pricing.

| Bid Item No. | Bid Item | Units | West Chicago Quantity | Mark Up (+)/Discount (-) cents/gal | Unit Price (\$) | Extended Price (\$) |
|--------------|---------------------------|-------|-----------------------|------------------------------------|-----------------|---------------------|
| 2 | Gasoline – 89 Octane | GAL | 40,000 | -0.0165 | 2.5805 | \$103,220.00 |
| 3 | Ultra Low Sulfur Diesel 1 | GAL | 6,000 | 0.2000 | 3.9407 | \$23,644.20 |
| 4 | Ultra Low Sulfur Diesel 2 | GAL | 24,000 | 0.0450 | 3.0180 | \$72,432.00 |

Although fuel costs vary on date of delivery, the City's annual fuel usage for Fiscal Year 2023, based on the average of the past four years is estimated to be approximately 60,100 gallons (42,200 gallons for unleaded and 17,900 gallons for diesel) for an estimated cost of approximately \$170,500.00. This cost is estimated based on the past four year average price per gallon of \$2.73 for unleaded and \$2.95 for diesel. In addition, the Fire Protection District and School District 94 use the City's fueling station and are estimated to use approximately 17,000 gallons (7,100 gallons of unleaded and 10,000 gallons for diesel) of fuel for an estimated cost of \$48,800.00. Each District reimburses the City for the portion of fuel it uses. In FY2023, the City paid \$281,983.73 for fuel of which, \$204,079.14 was for City fuel and \$77,904.59 was for other Districts. It is estimated that the combined fuel cost for Fiscal Year 2024, using the bid prices including delivery cost mark-up for all users will be approximately \$262,000.00. There is currently \$242,000.00 budgeted in Fiscal Year 2024 for the City's fuel needs across multiple accounts.

The table below shows an illustration of average use of fuel over the last four years by entity along with estimated

CITY OF WEST CHICAGO

cost of the fuel at an average price for the past four years (\$2.73 for unleaded and \$2.95 for diesel), highest price paid in the past four years (\$3.51 for unleaded and \$4.01 for diesel), most recent fuel delivery price (\$3.19 for unleaded and \$3.38 for diesel) and a hypothetical price for 2024 using average statewide price on March 20, 2024 (\$3.77 for unleaded and \$4.06 for diesel). At this time, staff is unsure where the fuel prices will be for the remainder of the FY2024.

| Entity | Avg. Consumption - Past 4 years (Gals) | Avg. Price - Past 4 years (\$) | Highest Price - Past 4 years (\$) | Most Recent Delivery Price Feb 2024 (\$) | Hypothetical Delivery Price - IL Avg. (\$) |
|---------------------------------------|--|--------------------------------|-----------------------------------|--|--|
| City - Unleaded | 42,198.23 | \$115,063.32 | \$148,115.77 | \$134,840.21 | \$159,087.31 |
| School/FPD - Unleaded | 7,077.35 | \$19,298.05 | \$24,841.50 | \$22,614.96 | \$26,681.61 |
| City - Diesel | 17,930.30 | \$52,840.45 | \$71,900.50 | \$60,640.27 | \$72,797.02 |
| School/FPD - Diesel | 10,002.68 | \$29,477.80 | \$40,110.73 | \$33,829.05 | \$40,610.86 |
| Estimated delivery markup | | \$2,608.74 | \$2,608.74 | \$2,608.74 | \$2,608.74 |
| Total | | \$219,288.36 | \$287,577.24 | \$254,533.24 | \$301,785.54 |
| Total (includes 3% escalation) | | \$225,867.01 | \$296,204.56 | \$262,169.23 | \$310,839.10 |

Staff seeks authorization to use the DuPage County Joint Purchasing Program to purchase, and have delivered, unleaded gasoline and diesel fuel from Al Warren Oil for the period April 1, 2024, thru March 31, 2025.

ACTIONS PROPOSED:

Authorize the purchase and delivery of Unleaded Gasoline and Diesel Fuel, from April 1, 2024, thru March 31, 2025, from Al Warren Oil, using pricing obtained through the DuPage County Joint Purchasing Program, for an amount not to exceed \$262,000.00.

COMMITTEE RECOMMENDATION:

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 24-R-0030 – Contract Award – Consulting Engineering, Inc., for Services Related to the 2024 Water Distribution System Leak Survey for an Amount Not to Exceed \$26,349.75

AGENDA ITEM NUMBER:

4.D.

COMMITTEE AGENDA DATE: April 4, 2024

COUNCIL AGENDA DATE: April 15, 2024

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

SIGNATURE _____

APPROVED BY CITY ADMINISTRATOR: Michael L. Guttman

SIGNATURE _____

ITEM SUMMARY:

Since 2020, the City has conducted leak detection surveys of the water distribution system. A leak detection survey is a physical evaluation of a water system to identify specific leaks in the water system. The survey is performed using non-invasive methods utilizing listening devices to find leaks in pipes or fittings. To date, this program has been successful in reducing the City's water loss, which is often referred to as non-revenue water because the water is produced, but never reaches the end user. This might be due to leaks in aging watermain, metering inaccuracies, or unmetered consumption, such as water used from fire hydrants. Since 2020, through the leak detection survey, the City has discovered and repaired 124 leaks within the water distribution system. During this time, the City has significantly reduced its average daily water production by approximately 573,000 gallons per day or 209 million gallons per year. A significant amount of reduction is a result of the annual leak detection survey.

Staff solicited proposals for the 2024 leak survey. The scope of work includes surveying approximately 147 miles of watermain, using acoustic leak detection equipment to identify and pinpoint water leaks in metallic and non-metallic watermain pipe in the City's entire water distribution system. All leak locations will be recorded using the GPS and will be transferred to City's mapping system for future capital improvement planning. Three proposals were solicited, but only two were received.

| CONTRACTOR | BID SUBMITTAL AMOUNT | OVERALL RANK |
|-------------------------------|----------------------|--------------|
| Consulting Engineering Inc. | \$26,349.75 | 1 |
| Associated Technical Services | \$36,210.24 | 2 |
| ME Simpson | n/r | n/a |

Consulting Engineering, Inc. of Strongsville, Ohio, who satisfactorily performed the 2023 leak survey, submitted the lowest responsible bid of \$26,349.75. It is of note they have held its 2023 pricing for the 2024 survey. Therefore, it is staff's recommendation that a contract be awarded to Consulting Engineering, Inc. of Strongsville, Ohio, for the 2024 water system leak survey, in an amount not to exceed \$26,349.75.

In FY2024, \$30,000.00 has been budgeted in the Water Fund (06-34-47-4418) and remains available for this work. The project start time will be determined based on contractor availability and should take three weeks to complete. Staff anticipates much of the survey work will occur during the late spring of 2024.

ACTIONS PROPOSED:

Approve Resolution No. 24-R-0030 authorizing the Mayor to execute a contract with Consulting Engineering, Inc. of Strongsville, Ohio, for the 2023 Water System Leak Survey for a contract amount not to exceed \$26,349.75.

CITY OF WEST CHICAGO

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 24-R-0030

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A
CONTRACT WITH CONSULTING ENGINEERING, INC. FOR THE
2024 WATER SYSTEM LEAK SURVEY
FOR AN AMOUNT NOT TO EXCEED \$26,349.75**

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 Consulting Engineering, Inc. of Strongsville, Ohio, for the 2024 Water System Leak Survey for an amount not to exceed \$26,349.75, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 15th day of April 2024.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

Executive Office Manager Valeria Perez



**Proposal for
Leak Detection Survey for Water Distribution System**

City of West Chicago, IL

Table of Contents

| | |
|---|-----------------|
| 1 Cover Letter | p.3 |
| 2 Capacity and Team Structure | pp.4-7 |
| 3 Statement of Qualifications | |
| • Executive Summary | p.8 |
| • Quality and Features of Proposed Equipment | pp.9-12 |
| • Methodology/Approach and Schedule | pp.13-15 |
| • Policy & Affiliation Statements | p.16 |
| • Representative Projects | pp.17-21 |
| 4 Price Proposal | p.22 |



CONSULTING ENGINEERING, INC.

1. Cover Letter

Consulting Engineering Inc. (CEI), MBE/DBE/CSB/RSB/SBE/EDGE-certified, is pleased to submit its technical proposal through this cover letter to the City of West Chicago for their Leak Detection Program.

We believe our response meets the requirements set out by the City of West Chicago in the contract documents. If the City of West Chicago determines that CEI's response is deficient in any way, CEI respectfully requests to be notified and, where appropriate, given the opportunity to correct any such deficiency.

CEI's methodology will abide by West Chicago's technical specifications. Our schedule has no commitment conflicts.

Please, forward any questions, comments, or concerns regarding this solicitation response to Y Chan via the contact information below. On behalf of the CEI team, we thank you for the opportunity to respond to these contract documents and look forward to serving the City of West Chicago.

Sincerely,

Y Chan
Civil Engineer | Principal Owner
440-238-9699 x206
Y.Chan@cengr.co

2. Capacity and Team Structure

All services stated in the Scope of Work will be provided by the following team.

Project Manager – 20+ years of experience



Y Chan is the Principal Owner and a Civil Engineer with a BSCE from the Ohio State University with a specialization in Structural Engineering (2003) who has managed civil design projects and leak detection programs for CEI since 2013. He managed all projects listed in this proposal while performing sounding and pinpointing, as needed. In addition to managing leak detection and water audit projects, Mr. Chan has managed and designed civil engineering and construction administration projects around the nation for ODOT, OTIC, PATH, NYCDOT, NYS DOT, PennDOT, MTA, MetroNorth, NHDES, GSA, Veterans Affairs, and numerous government entities. He is the architect of CEI's ESRI/ArcGIS program used for documenting listening points including asset defects, GIS mapping errors, photos, and acoustic results in ArcGIS Collector so the data is readily accessible. He is a DOT-certified flagger, CPR-certified, and experienced in all Bentley programs, all AutoDesk programs, and Cartegraph. He manages all budgeting, scheduling, communications, data analysis, and reports.

Experienced Oversight – 30+ years of experience



Ray C. S. Chan, P.E., is the founder of CEI. He is a Structural and Hydraulic Engineer with his BSCE from the University of Illinois at Urbana-Champaign and masters from Virginia Tech. He is well-acquainted with water infrastructure projects, specializing in leak detection in the Cleveland Water System; the majority of the Cleveland master-metered suburban cities, including City of East Cleveland, Cleveland Heights (a client since 1990), the City of Bedford, the City of Lakewood, and other surrounding suburbs; and across North America.

Ray C. S. Chan, P.E., will be responsible for the program oversight. Mr. Chan has specialized in leak detection and location since 1974. He was the engineer-in-charge for Pitometer Associates (now, ADS), assigned to the Cleveland Water Department in the early '80s where he detected and pinpointed leaks for the 5,360-mile system. Being in business for over thirty years, Mr. Chan believes in a safety-oriented team effort focused on clear communication while meeting clearly established and measurable goals.

Field Services Leader – 15+ years of experience



Maurice Little's input is critical in the purchase of all water leak detection equipment. He is an expert in the use of all CEI leak detection equipment and the training of field technicians.

With thousands of miles of water utility experience, he has performed & executed all field services in this proposal. His conceptual skills, leak detection training, and field experience provide for the skills, knowledge, and expertise to evaluate and pinpoint leaking assets, document findings, and make recommendations for rehabilitation. Training and Certifications include ArcGIS Collector, Cartegraph, OSHA 30, Field Operations Classroom Training, Valve Operator, Truck Safety, Equipment and Inspection Training, Trimble Operation and Data Management Training, First Aid/CPR Certification, Confined Space Entry Trained, Flagger Certification, Hydrant Flushing/Flow Trained (AWWA M17, NFPA 291), DOT Certified Vehicle Driver.

In addition to CEI projects, Mr. Little has performed the following:

19655 Tanbark Ln; Strongsville, OH 44149
Tel: 440.238.9699 Email: ce@cengr.co Website: www.cengr.co



CONSULTING ENGINEERING, INC.

| Client | Years | Leak Detection | Valve &/or Hydrant Assessment | UDF | Confined Space | System Iso. (Shut-downs) | On-Call Services | Metallic | Non-Metallic | Miles |
|---|------------------|----------------|-------------------------------|-----|----------------|--------------------------|------------------|----------|--------------|-------|
| Anne Arundel County, MD | 2017 | Yes | Yes | | | | | Yes | | 210 |
| Baltimore City, MD | 2007-2013 | Yes | Yes | | Yes | Yes | Yes | Yes | | 160 |
| Baltimore County, MD | 2007-2013 | Yes | Yes | | Yes | Yes | Yes | Yes | | 220 |
| Batavia, IL | 2017-2018 | Yes | | | | | | Yes | | 190 |
| Bayonne, NJ | 2015 | Yes | | | | | | Yes | | 130 |
| Buffalo Grove | 2020-2022 | Yes | | | | | Yes | Yes | | 183 |
| Carol Stream, IL | 2018 | Yes | Yes | Yes | | | | Yes | | 140 |
| Charles County, MD | 2017 | Yes | Yes | | | | | Yes | | 150 |
| Cleveland, OH (CWD) | 2016-2017 | Yes | Yes | | | | Yes | Yes | | 2,100 |
| DC Water | 2010 | Yes | Yes | | | | | Yes | | 660 |
| Dupage, IL | 2014 | Yes | | Yes | | | | Yes | | 160 |
| Edenton, NC | 2009 | Yes | Yes | | | | | Yes | | 130 |
| Flagstaff, AZ | 2017-2018 | Yes | Yes | | | | | Yes | Yes | 220 |
| Georgia Environmental Finance Authority | 2015 | Yes | | | | | | Yes | | 1,200 |
| Hays, KS | 2015 | Yes | | | | | | Yes | | 106 |
| Howard County, MD | 2016-2017 | Yes | Yes | | | | Yes | Yes | | 500 |
| Jersey City, NJ | 2015 | Yes | | | | | | Yes | | 210 |
| Lakewood, OH | 2020-2022 | Yes | | | | | | Yes | | 240 |
| Lowell, MA | 2019 | Yes | | | | | | Yes | | 215 |
| Massachusetts Water Resources Authority | 2015, 2016, 2018 | Yes | | | | | Yes | Yes | | 3,735 |
| McKinney, TX | 2011 | Yes | | | | | | Yes | Yes | 120 |



CONSULTING ENGINEERING, INC.

| Client | Years | Leak Detection | Valve &/or Hydrant Assessment | UDF | Confined Space | System Iso. (Shut-downs) | On-Call Services | Metallic | Non-Metallic | Miles |
|--|------------|----------------|-------------------------------|-----|----------------|--------------------------|------------------|----------|--------------|-------|
| Middleborough, MA | 2017 | Yes | | | | | | Yes | | 135 |
| Minneapolis, MN | 2015 | Yes | | | | | | Yes | | 440 |
| Needham, MA | 2012 | Yes | | | | | | Yes | | 150 |
| New Hampshire Department of Environmental Services | 2018 | Yes | | | | | | Yes | | 732 |
| Norridge, IL | 2017 | Yes | | Yes | | | | Yes | | 44 |
| North Kentucky, KY | 2016 | Yes | | | | | Yes | Yes | | 160 |
| Pagosa Springs, CO | 2015 | Yes | | | | | | Yes | | 240 |
| Piqua, OH | 2017 | Yes | | | | | Yes | Yes | | 110 |
| Pontiac, MI | 2015 | Yes | Yes | | | | | Yes | | |
| Puerto Rico Aqueducts & Sewers Authority | 2015 | Yes | | | | | Yes | Yes | Yes | 1,700 |
| San Antonio Water System | 2015 | Yes | | | | | | Yes | | 2,400 |
| Surrey, British Columbia Canada | 2017 | Yes | | | | | Yes | Yes | Yes | 180 |
| Waco, TX | 2014 | Yes | | | | | | Yes | Yes | 190 |
| West Palm Beach, FL | 2014 | Yes | Yes | Yes | | | | Yes | Yes | 170 |
| Wilson, NC | 2015 | Yes | Yes | | | | | Yes | | 130 |
| WSSC, MD | 2014, 2015 | Yes | Yes | | | | | Yes | | 1,700 |

Field Services Technician – 15+ years of experience

Damian Booker has conducted acoustic surveying and valve box assessment & cleaning for Tucson, AZ; Buffalo Grove, IL; Carol Stream, IL; Oak Park, IL; Park Ridge, IL; Montgomery, PA; Baltimore, MD; Cleveland, OH, & Lakewood, OH. Mr. Booker has experience with Vivax-Metrotech, CST-Berger, Sub-Surface and SebaKMT products as well as traditional equipment. Mr. Booker has been trained and performs work on ArcGIS Collector and Cartegraph. OSHA 10 Certified.

Field Services Technician – 5+ years of experience

Calvin Roberts has conducted acoustic surveying and valve box assessment & cleaning for Flagstaff, AZ; Springfield, IL; Carol Stream, IL; Lowell, MA; Buffalo Grove, IL; Oak Park, IL; Park Ridge, IL; Diablo, CA; Montgomery, PA; Cleveland, OH; & Lakewood, OH. Mr. Roberts has experience with Vivax-Metrotech, CST-Berger, Sub-Surface and SebaKMT products as well as traditional equipment. He has been trained and performs work on ArcGIS Collector and Cartegraph. OSHA 10 Certified.



Field Services Technician – 3+ years of experience

Michael Scott is a Leak Detection Specialist who has conducted acoustic surveying and valve box assessment & cleaning for Lowell, MA; Park Ridge, IL; Buffalo Grove, IL; Oak Park, IL; Park Ridge, IL; Diablo, CA; Montgomery, PA; Cleveland, OH; & Lakewood, OH. He has experience with Vivax-Metrotech, CST-Berger, and SebaKMT products as well as traditional equipment. He has been trained and performs work on ArcGIS Collector and Cartegraph. OSHA 10 Certified.

Field Services Technician – 2+ years of experience

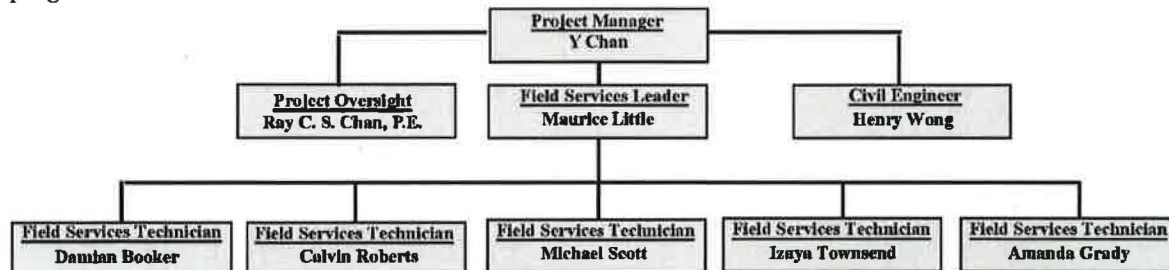
Izaya Townsend has conducted acoustic surveying and valve box assessment & cleaning for Arlington Heights, IL; Buffalo Grove, IL; Glenview, IL; Montgomery, PA; Cleveland, OH; & Lakewood, OH. Mr. Gaither has experience with Vivax-Metrotech, CST-Berger, Sub-Surface, and SebaKMT products. He has been trained and performs work on ArcGIS Collector and Cartegraph. OSHA 10 Certified.

Field Services Technician – 2+ years of experience

Amanda Grady has conducted acoustic surveying and valve box assessment & cleaning for Springfield, IL; Buffalo Grove, IL; Montgomery, PA; Cleveland, OH; & Lakewood, OH. He has experience with Vivax-Metrotech, CST-Berger, and SebaKMT products as well as traditional equipment. She has been trained and performs work on ArcGIS Collector and Cartegraph. OSHA 10 Certified.

Data Integrity, Office Support, Civil Engineer – 30+ years of experience

Henry Wong was a Leak Detection Specialist with CEI in the '80s and '90s who now provides support to field services using ArcGIS online, scheduling access to inaccessible areas, tracking crew production, verifying data integrity, generating daily reports, etc. He is familiar with all ESRI, Cartegraph, Bentley, and AutoDesk programs.



3. Statement of Qualifications

Executive Summary

History

Founded in 1984, Consulting Engineering, Inc. (CEI) is a bona fide MBE/DBE/CSB/RSB/SBE/EDGE-certified team of consultants specially trained for the requirements of this project. CEI has successfully completed hundreds of designs, study, forensic, administration, and inspection projects including transportation systems, water systems, site improvements, land surveying, structural design, construction inspection & administration, and leak detection surveys & pinpointing with expertise across North America.

Equipment

We utilize state-of-the-art leak detection equipment to identify, pinpoint, measure, and reduce water losses in metallic and non-metallic systems with varying pressure zones in rural, suburban, and high-density areas with varied distances between assets such as hydrants, valves, and meters. We are equipped with analog and digital devices from Vivax-Metrotech, Subsurface Leak Detection, Itron, Zcorr, CST/Berger, SebaKMT, Samsung, and Apple to stop water loss.

Philosophy

CEI uses the Plan-Do-Study-Act (PDSA) iterative problem-solving model. We believe what gets measured gets improved. By planning a detailed work program with scheduled metrics, we execute comprehensive leak detection services on solid footing with results going back into the PDSA feedback loop. CEI has the experience breadth, history, depth, and qualifications needed to make this program a resounding success.

Our DNA

Our partnership with ESRI allows us to utilize [ArcGIS](#) to capture valuable data such as asset conditions, mapping conditions, photos, and virtually any field condition allowing municipalities a means to update their system and receive accurate reports. This data is collected in real-time with GPS-enabled, devices so accountability and safety are built into the DNA of our process.

Safety

As an engineering firm, we are MUTCD and OSHA compliant. We recognize the importance of making our customers happy along with those they serve so our conduct, dress, communication, and visibility are made clear before our boots touch the ground.

Client

CEI will provide a turnkey program with a path to reducing water loss while collecting valuable in-field information. By focusing on personnel, methodology, data collection, safety, and communication, CEI has been able to provide water loss reduction savings at competitive pricing since 1984.



Quality and Features of Proposed Equipment

CEI uses a variety of listening devices in order to leverage filtering options, annual services, and calibrations. All equipment is recharged daily while teams are outfitted with backup batteries, devices, and attachments such as headphones, attachments, cords, and lanyards. The use of different devices allows for greater comparison, re-calibration, and training options. Naturally, these devices have different performances based on material differences so the variety of equipment means greater accuracy for our customer.

SebaKMT HL 50-BT with GM-80

This ubiquitous instrument was created by Vivax-Metrotech and compatible with the GM-80 ground mic. This SebaKMT water network survey leak locator tool has outstanding acoustic properties which enable the operator to locate large and small water leaks. Three basic filter settings allow the user to adjust to any leak scenario. The integrated LCD screen displays the actual measured sound level as a number and simultaneously as a bar graph. After each new measurement, the previous level will still be displayed to compare sound levels.



This listening device can be used to investigate potential leak noises. Based on the digital readout, verification and pinpointing can be prioritized. In addition, upon the follow-up visit, the applicable appurtenance can be rechecked to confirm a leak noise is still present, at or greater than the value of the initial visit. This confirms a leak is indeed present and eliminates false-positive reporting.

SebaKMT HL 5000 with GM-80

Along with being compatible with the GM-80 ground mic, this equipment uses modern digital signal processing technology (DSP) to clearly recognize the leak sound, even with substantial environmental ambient noise. The sounds are both audibly perceived and graphically displayed using dual segment analysis (DSA) technology. For the user this means greater reliability in locating water losses.



HWM L-mic

The well-known HWM L-mic is an easy-to-use, low cost, electronic listening stick and ground microphone combined. It is ideal for general leak sounding operations and can be fitted with either a tripod foot (for use as a ground microphone) or probe rods (for sounding at fittings or in soft ground). The control unit is hand-held with a 'trigger' operation and a volume/sensitivity rotary control. An LED indicates operation and battery status. This lightweight unit can be used to confirm the position of underground leaks audibly from ground level, sound pipe fittings penetrate soft ground to listen for leaks and carry out traditional acoustic surveys.



Subsurface Leak Detection LD 8

Accurate and reliable, the SubSurface LD 8 is a lightweight instrument for water leak detection of hydrants and fixtures. This leak detection tool uses contact rods attached to a piezoelectric sensor and amplifier to connect to water line fixtures so the construction professional can listen for the sound of unwanted water flows. Also, the amplifier comes with an amplification range of 55 decibels with a frequency range of 100 to 2,000 Hertz.



The LD-8 includes short contact rods that are used for listening to hydrants while the long contact rods are used for below-grade meters and valves. Also, this water leak detector has a two-digit LCD display that is easy-to-read.

Subsurface Leak Detection LD 15

The SubSurface Instruments LD-15 Leak Survey Equipment offers the best solution for listening to leaks at hydrants, valves, and meters. It features a high-sensitivity sensor with a sealed waterproof Neodymium magnet. Equipped with an amplifier, this device has superior audio quality and amplifies to 56 db. This device includes three filter ranges and comes with both survey & pinpoint functions for water leaks. Plus, the sensor has a resonance frequency of 950 Hertz which can detect the faintest of sounds. With an IP68 protection rating, this unit is dustproof and water submersible up to 3 feet for 3 hours. It comes with a large meter display for easy reading and up to 80 hours of battery life.



Subsurface Leak Detection LC 2500

The SubSurface LC-2500 Leak Noise Correlator is lightweight and compact, yet it offers full capabilities for programming and correlating leak noise from many different pipe materials and pipe diameters. Great Sensors, powerful radios and fast processing of sounds make the LC-2500 truly the best performing correlator on the market.



This correlator is used for QA/QC and pinpointing of the leak noises often qualified by the HL-50 in sounding. Multiple correlations are used to localize suspected leak source(s) to be verified by ground mics or additional inspection. The graphical display indicates to the technician possible size and characteristics of the leak.

CST/Berger Magna-Trak Locator

The Magna-Trak locates ferromagnetic objects which may be concealed by earth, road surface, snow, and/or water. These objects may include hydrants, marker magnets, manhole covers, valve rods, surveying marks and rods, water meters, etc.



This metal detector will be used to locate potentially buried assets which may prove especially useful during nighttime operations, areas of heavy vegetation, or where visibility may be poor.

Vivax-Metrotech VM-810 Line Locator

The antenna system in the locator is different from a normal locator. Rather than place antennas on the same center line, one antenna is offset to the right and another to the left. Coupled with extremely sensitive electronics enables the locator to find which antenna is receiving the strongest signal, indicating which direction one should move to be over the buried line. The VM-810's Distance Sensitive Left/Right Guidance provides a sharper, crisper, response, allowing for greater accuracy in line location.



This line locator will verify the line location in the street to enable accurate pinpointing and field markings of leak locations.

Lovibond Chlorine Tester

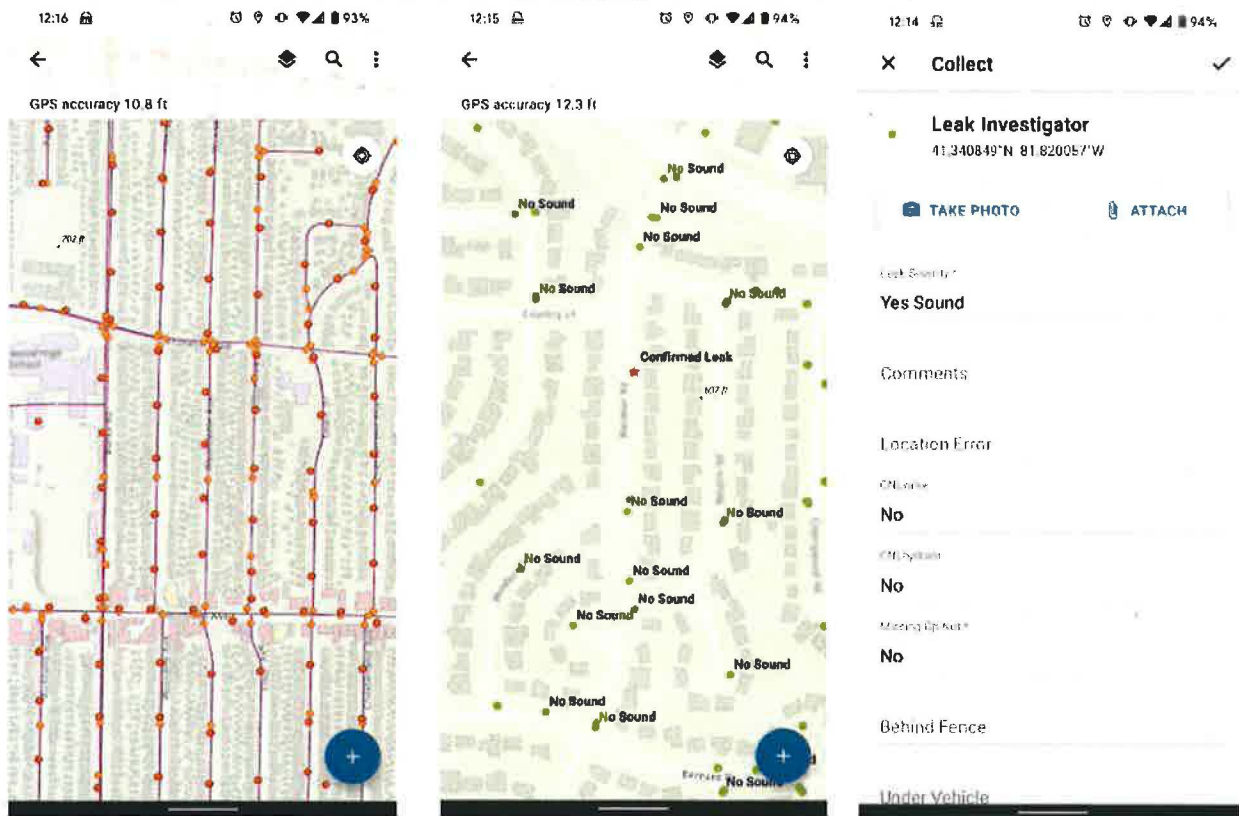
Free Chlorine (hypochlorous acid) reacts with Ammonia and certain Nitrogenous compounds to form Combined Chlorine. With Ammonia, the reaction produces chloramines which have very little disinfecting power; thus it is important to be able to determine the various fractions of Chlorine present at any one time. DPD (NN Diethyl p Phenylene Diamine Sulphate) is the preferred reagent for the determination of Free, Combined and Total Chlorine. It is available in Tablet, Liquid and Powder form.



Total Chlorine can also be measured using a Potassium Iodide reagent. This can measure concentrations of up to 300 mg/l chlorine and is widely used in food manufacturing and industrial water treatment.

Data-Enabled Collection Devices with ArcGIS

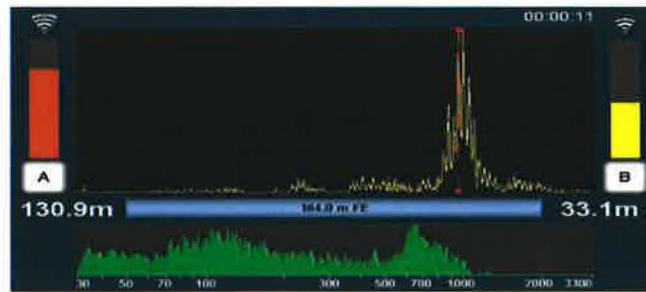
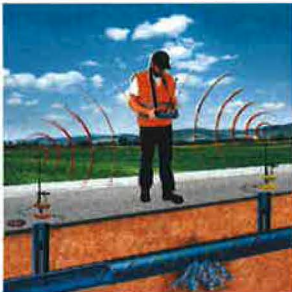
GPS & data-enabled devices with ArcGIS Collector allow our specialists to collect photos, videos, acoustics, mapping discrepancies, and all assessment data. Our devices include Samsung, Apple, and LG phones, tablets, & PCs. With interactive mapping, we import GIS shapefile(s), update GIS information, and provide valuable information using our flexible data-driven solutions and analysis tools. By creating customizable layers, our leak detection specialists can collect information which can be represented visually and represent patterns in whatever manner we find valuable. Though this information is visually stunning, the power behind this is our teams can share and access information through mapping, embedded information, and dashboards.



SebaKMT Corelux C-3 Correlator

The acoustics of pressurized water travel in all directions of the pipe. This noise is recorded, amplified, and sent wirelessly to the correlator by 2 sensors (piezo mic, hydrophone) which are attached to the pipe (e.g., valve, hydrants). The C-3 compares the signals then calculates the distance based on the delays time of the signals, sensor distance, and sound velocity in the pipe.

This hybrid correlator can be used for online and offline correlations. The C-3 is capable of multi-correlation without pipe parameter input, possesses a touch display with an intuitive user interface, has long operating times, has inductive sensor charging, and can pinpoint using multi-sensors or a ground mic. This device is perfect for all piping materials.



ZCorr Digital Correlating Loggers

ZCorr digital correlating loggers offer significant advantages over listening loggers by detecting and pinpointing multiple leaks in a zone overnight. ZCorr's technical advances make leak surveying viable for water utilities at less effort and cost.

ZCorr is a software-driven approach that allows a distribution system leak survey to be efficiently directed from the office, integrating leak detection data, maps, and database tools to:

- Plan the survey and print deployment orders.
- Pinpoint leaks and print repair reports.
- Track survey progress and performance.

The ZCorr survey has 3 steps: DEPLOY, RETRIEVE and ANALYZE. Each step can be taken either in the office or in the field.



Methodology/Approach

Field Services

Prior to the daily execution of leak detection survey activities, all pre-work and planning will have been completed to abide by state DOT & MUTCD standards. CEI requests all water maps and areas of interest, preferably as shapefiles, to be provided before the start of field work to maximize efficiency in scheduling the route.

Daily, the sequence of work will include all the following activities with the Field Services Leader overseeing these activities which will primarily be done M-F, 7AM-6PM:

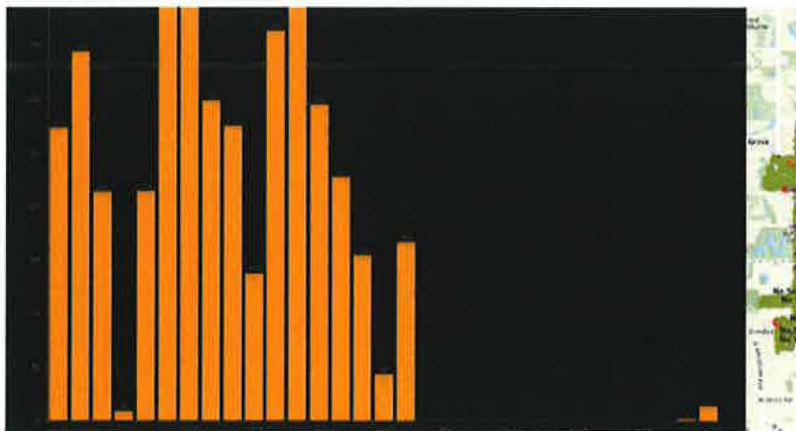
- Safety meeting.
- Anticipated work areas will be communicated weekly with daily updates by street, block areas, or ArcGIS polygons.
 - Permission for nighttime, weekend, & holiday work will be communicated.

Phase 1, Sounding:

- Listen to all accessible hydrants, hydrant auxiliary valves, main line valves, curb stops, and connections.
- Collect asset data in ArcGIS during sounding: sound intensity, identified leaks, asset defects, mapping discrepancies, visual water, photos, and comments. Move to the next identified asset in survey.
- During pinpointing, identify nearby assets to determine if leak noise is audible at other locations to narrow leak location points and assess the probable size of the leak (valves/meter boxes, etc.).

Phase 2, Pinpointing:

- Begin correlation between the two assets then place correlator sensors on two identified assets.
- Enter all know information on control box (distance, pipe material, diameter, etc.).
- Identify nearby assets to determine if leak noise is audible at other locations to narrow leak location points and assess the probable size of the leak (valves/meter boxes, etc.).
- If a leak is identified & the main location is known, then use a measuring wheel to paint or tack & hub.
- Document leak location markings with a digital photograph then upload to ArcGIS. Video is optional.
- Record pinpointed leak characteristics including, but not limited to:
 - Location information, address, and GPS coordinates
 - Suspected leak type with estimated GPM
 - Recommended corrective action(s) with any information that will assist repairs.
- Leakage rates will be determined by measurements and results obtained be as recorded by the listening device(s) and the size and shape of the correlation graph.
- All work is conducted without in-field assistance from our client. Should our client assign somebody to ride-along, it is their responsibility to do so at our pace with no interference to our methodology.



Real-time online data visualization

Reports

Reporting will be cumulative where applicable.

- Where info is available the date, location, pressure zone, service area, leak type, size, material, volume, cost, visibility, priority, technician, and comments will be reported.
- Immediately, reports will be for visible or potentially hazardous conditions such as water main breaks, broken services, or erosion.
- Daily reports will be emailed indicating the amount of pipe surveyed and leaks with accompanying severity, urgency, mapping discrepancies, and assets irregularities.
- Weekly, reports will include areas and appurtenances surveyed. Comments including productions rates & variation, suspicious noise, correlation activities, and pinpointed leaks.
- Monthly, reports will include survey areas, summary of critical components, disruptions, discussion of results, identified leaks, discrepancies, and graphical summarization of findings along with upcoming work.
- A final report will include compiled, pertinent data with findings, recommendation, methodology, equipment used, tabulated summary, maps, photos, analysis, and results.
- Deliverables will be transmitted electronically to our client in Microsoft Project and emailed in printable PDF format.

Inspection of water mains will be based on pipe material with the following guidelines to maximize both effectiveness and efficiency:

- Metallic Pipelines - listening through direct contact with water assets 300 linear ft (91.4m), which may include hydrants and mainline valves.
- Non-Metallic pipelines - listening through direct contact to all accessible water assets including valves, hydrants, service connections, air releases, visible pipe sections, etc. Digital correlating loggers with the ability to record sound for desktop analysis may also be utilized.

Equipment Utilization

The standard equipment listed in our proposal is the expected equipment to be available and utilized on this project. Our equipment has been proven to achieve the desired results of locating and pinpointing potential leaks on various pipe materials. All equipment has been used for 7+ projects. We perpetually carry brand new backups. The sound attenuation of non-metallic pipe demands a more frequent testing interval so we will be utilizing more contact points. The digital loggers will be utilized when there is a lack of contact points or ambient noise becomes problematic and testing of overnight pipe sections is desired.

Repaired Leak Sites

After each leak has been successfully repaired or stopped, the Surveyor shall electronically re-survey each repaired leak site to verify a positive repair by the utility owner, plus detect and locate any possible undiscovered leakage whose sound may have coincidentally been masked or overpowered by the original leak's sound. Verification and cancellations are recorded in ArcGIS for data-analysis and historical purposes.



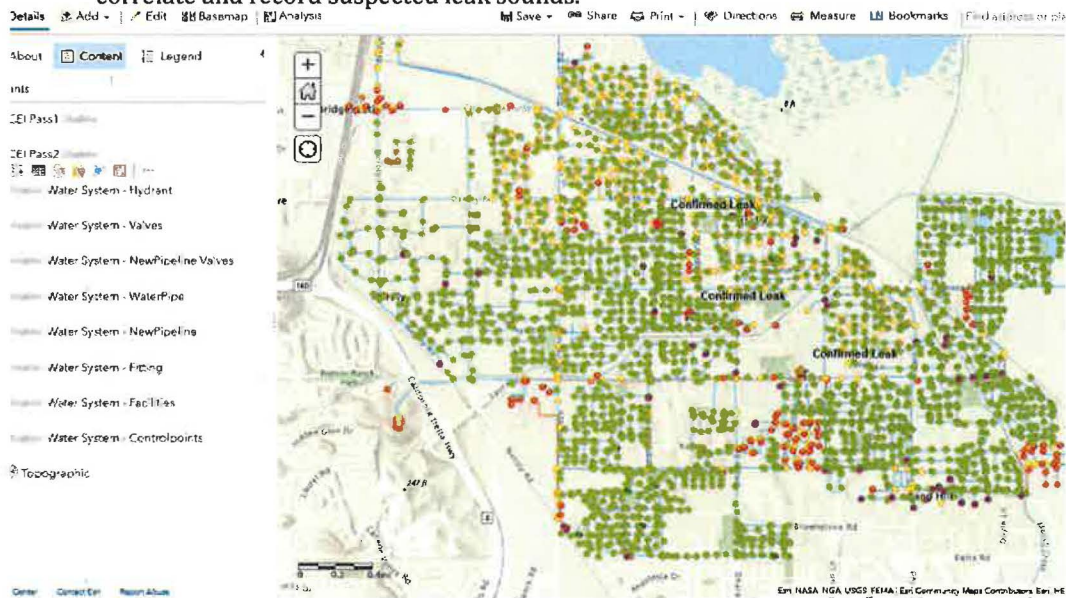
Large Diameter Mains

To eliminate ambient noise from vehicles, pedestrians, airplanes, trains, and the environment, CEI recommends night work for large diameter mains. This will allow us to avoid consumption while mains are fully pressurized for clear sounding. CEI will sound all listening points on large diameter mains. These mains will be reserved for our most experienced personnel who have showed a history of locating main breaks, joint leaks, packing leaks on open geared valves and bypass valves, bypass bonnet leaks, and abandoned corporations.

Adverse Conditions

CEI understands that the team may encounter various topographies, pipe materials, soil types, vegetation conditions, roadway surface covers, etc. which may add additional constraints to the leak identification effort. To combat these conditions, CEI will utilize additional techniques to pinpoint the source of a suspected leak.

- Line Locator
 - Confirming the pipeline location will be the first step in pinpointing a leak in adverse conditions. This allows the technician to prioritize the search area leading to visual inspection of other utility assets for water infiltration.
- Visual Inspection of other utilities
 - Identifying the location of other utility assets and manholes allows the technician to perform visual inspections where they may see water infiltration from the suspected leak which will in turn reduce the search area and aid in the pinpointing effort.
- Water sampling
 - Taking a residual chlorine measurement of any visible water or water infiltration of another utility will add confidence that a leak is present.
- Ground mic utilization
 - In situations where there are not 2 assets to correlate on either side of a suspected leak, a ground mic may be utilized for pinpointing.
 - A ground mic may be used to confirm correlated results. A ground mic plate will be used on non-paved surfaces as most ground mics are designed for paved roads.
- Static pressure testing
 - Pinpointing crews will be equipped with gauges that can be affixed to a fire hydrant to check the system pressure to see if a leak may be present.
- Overnight loggers
 - For high ambient noise situations, CEI may utilize overnight loggers with the ability to correlate and record suspected leak sounds.



Policy & Affiliation Statements

Health & Safety Policy

It is the policy of Consulting Engineering Inc. to provide a safe and healthy culture for our employees and to observe all State and Federal Laws and Regulations, including but not limited to training and certifications associated with our tasks in the context with which they are performed to follow safe practices and to recognize, correct, and/or avoid unsafe working conditions.

Active participation and adherence to the Safety Program is a condition of employment. No individual should work at a job that he or she knows is not safe. Therefore, we must make every workplace safe by detecting, correcting, and reporting unsafe conditions, as well as the detection of unsafe work practices.

Our Safety Policy has equal importance with Consulting Engineering Inc.'s policies of providing the best quality and most productive service in our industry with a goal of preventing all accidents and injuries. Because of the many different hazards of our industry, we must maintain a constant safety awareness to achieve this goal.

Public Safety

We recognize the importance of making our customers happy along with those they serve so our conduct, dress, communication, and visibility are made clear before our boots touch the ground. Operations are planned & conducted to maximize convenience to the public including permission to access inaccessible areas.

Our plan conforms to the MUTCD (Section 6G.02 Type of Temporary Traffic Control Zone Activities, Work Duration). Our work follows the guidelines of mobile work (work that moves intermittently or continuously) which specifically mention frequent stops for activities such as utility operations. Our traffic plan satisfies Canada's Traffic Control Manual (Sections 18.3 Standards of Traffic Control and 8.24 High-visibility Apparel).

CEI's work vehicle(s) maintain an oscillating dome light, traffic cones, 4-way blinkers, CEI branded magnets & DOT-approved Class III reflective high-visibility clothing, and a survey sign for advanced traffic warning to increase visibility. The survey sign is periodically retrieved and repositioned in advanced warning areas.

CEI requests a laminated letter from the Water Utility Superintendent to be displayed in-vehicle and presented to residents and authorities should they have questions including contact information. Additionally, we carry branded identification which matches our equipment.

Any additional concerns may be found in the adverse conditions detailed in the methodology and will be addressed in the kickoff meeting.

Meter or AMR Manufacturer Affiliation

CEI has no affiliation with any meter or AMR manufacturers.

Cleanup

CEI maintains neat, orderly working conditions to ensure environmental and fire safety. Proper disposal of rubbish and maintenance of natural beauty is a part of our office and field culture.



Representative Projects

Customer: E Source and Cal Water (\$317,850 Contract/yr)
Contact: Kate Gasner | Vice-President of Operations
Material: Metallic & Non-metallic | **Completed:** 2022-2023 | **System Age:** ~100 years
Services Rendered: Comprehensive leak detection of 815 miles and satellite leak detection of 163 points of interest (POIs) for the Hermoso Redondo, Livermore, Mid-Peninsula, and Westlake water systems in California.

Customer: Sweetwater, CA (\$154,5000 Contract/yr)
Contact: Adam Brugman | Distribution Manager
Material: Metallic & Non-metallic | **Completed:** 2024 | **System Age:** ~100 yrs.
Services Rendered: Comprehensive leak detection of 395 miles and satellite leak detection of 618 Asterra POIs while documenting all listening points, defects, mapping discrepancies, sounds, and leaks.

Customer: E Source and Cal Water (\$57,420 Contract/yr)
Contact: Kate Gasner | Vice-President of Operations
Material: Metallic & Non-metallic | **Completed:** 2023 | **System Age:** ~100 yrs.
Services Rendered: Comprehensive leak detection of 174 miles and satellite leak detection of 36-mile equivalent of Echologic logger POIs for the Bear Gulch water system in California.

Customer: Cleveland Water Department (\$130,000 Contract; \$640,750 Contract)
Material: Metallic | **Completed:** 2017, 2021-2023 | **System Age:** ~100 yrs.
Services Rendered: 2017 Leak detection survey services for 2,100 miles while documenting all listening points in ArcGIS/ESRI. 2021-2023 comprehensive leak detection of Utilis/Asterra's 750 POIs along with emergency services.

Customer: Asterra/Utilis | (\$51,550 Contract)
Locations: Aqua, VA; Bristol, RI; Kline, PA; N. Kingstown, RI; Oak Creek, WI; Warren, OH
Contact: Fareed Nazaryfar | Customer Success Manager
Material: Metallic & Non-Metallic | **Completed:** 2022 | **System Age:** ~100 yrs.
Services Rendered: Comprehensive investigations of satellite POIs for water distribution piping while documenting all listening points, defects, mapping discrepancies, sounds, and leaks.

Customer: Cambridge, MA (\$57,750 Contract/yr)
Contact: Mark F. Gallagher | Director of Engineering & Distribution
Material: Metallic | **Completed:** 2022, 2023 (2024) | **System Age:** ~100 yrs.
Services Rendered: Annual leak correlation survey for 185 miles with ongoing emergency services while documenting all listening points, defects, mapping discrepancies, sounds, and leaks using the 100% correlation method.

Customer: Yarmouth, MA (\$48,576 Contract/yr)
Contact: Laurie J. Ruzala, P.E. | Superintendent of Water and Wastewater
Material: Metallic | **Completed:** 2023 (2024, 2025) | **System Age:** ~100 yrs.
Services Rendered: Leak detection for 264 miles with ongoing emergency services while documenting all listening points, defects, mapping discrepancies, sounds, and leaks.





CONSULTING ENGINEERING, INC.

Customer: City of Sandwich, MA (\$29,274 Contract/yr)
Contact: Dan Mahoney | Water Superintendent
Material: Metallic | Completed: 2021, 2022, 2023 | System Age: ~100 yrs.
Services Rendered: Leak detection survey services for 145 miles while documenting all listening points and leak detection results.

Customer: Montgomery, PA (\$43,171 Contract/yr)
Contact: David Quinn | Project Manager at North Wales Water Authority
Material: Metallic | Completed: 2020, 2021, 2022, 2023, (2024) | System Age: ~100 yrs.
Services Rendered: Annual leak correlation survey for 136 miles with ongoing emergency services while documenting all listening points, defects, mapping discrepancies, sounds, and leaks using the 100% correlation method.

Customer: Lowell, MA Regional Water Utility (\$24,72, \$44,075 Contracts)
Contact: Paul Pires | Superintendent of Distribution
Material: Metallic | Completed: 2019, 2023 | System Age: ~100 yrs.
Services Rendered: Leak detection survey services for 215 miles while documenting all listening points and leak detection results.

Customer: Bellevue, WA (\$15,750 Contract/yr)
Contact: Nathan Rauscher | Senior Engineering Technician, Water Operations & Maintenance
Material: Metallic & Non-metallic | Completed: 2022, 2023 (2024) | System Age: ~100 yrs.
Services Rendered: Leak comprehensive survey for 70 miles with ongoing emergency services while documenting all listening points, defects, mapping discrepancies, sounds, & leaks.

Customer: U.S. Air Force (\$22,000 Contract)
Contact: Gary Krivokapich. P.E., CEM | Energy Utility Manager & Engineer of Davis Monthan AFB
Material: Metallic & Non-metallic | Completed: 2022 | System Age: ~100 yrs.
Services Rendered: Leak detection survey services for DM AVB water distribution piping while documenting all listening points and leak detection results.

Customer: City of Normal, IL (\$46,600 Contract/yr)
Contact: John Burkhart | Director of Water
Material: Metallic | Completed: 2023 | System Age: ~100 yrs.
Services Rendered: Annual leak detection services for 200 miles documenting all listening points, defects, mapping discrepancies, sounds, and leaks in ArcGIS.

Customer: City of Arlington Heights, IL (\$30,940 Contract/yr)
Contact: Scott Schweda | Water Superintendent
Material: Metallic | Completed: 2021, 2022, 2023 (2024-2026) | System Age: ~100 yrs.
Services Rendered: Leak detection survey services for 286 miles while documenting all listening points and leak detection results with ongoing emergency services.

Customer: City of Glenview, IL (\$29,274 Contract/yr)
Contact: Jack Fragassi | Water and Sewer Supervisor
Material: Metallic | Completed: 2021, 2022, 2023 (2024-2026)) | System Age: ~100 yrs.
Services Rendered: Leak detection survey services for 246 miles while documenting all listening points and leak detection results with ongoing emergency services.

Customer: City of Northbrook, IL (\$24,395 Contract/yr)
Contact: Joseph Rizzo | Utilities Superintendent
Material: Metallic | Completed: 2021, 2022, 2023 (2024-2026) |
System Age: ~100 yrs.
Services Rendered: Leak detection survey services for 205 miles of
water distribution and 2020 POIs piping while documenting all
listening points and leak detection results with ongoing emergency
services.

Customer: City of Carol Stream, IL (\$23,120 Contract/yr)
Contact: Phil Modaff | Director of Public Works
Material: Metallic | Completed: 2021, 2022, 2023, (2024) | System
Age: ~100 yrs.
Services Rendered: Leak detection survey services for 177 miles and
private mains while documenting all listening points and leak
detection results with ongoing emergency services.

Customer: City of Lake Forest, IL (\$22,230 Contract/yr)
Contact: Rich Volpe | Water & Sewer Superintendent
Material: Metallic | Completed: 2021, 2022, 2023 (2024-2026) |
System Age: ~100 yrs.
Services Rendered: Leak detection survey services for 170 miles
while documenting all listening points and leak detection results
with ongoing emergency services.

Customer: City of Winnetka, IL (\$25,526 Contract/yr)
Contact: Drew Ceckowski | Water & Electric Analyst
Material: Metallic | Completed: 2021, 2022, 2023 (2024-2026) | System Age: ~100 yrs.
Services Rendered: Leak detection survey services for 103 miles, twice a year, while documenting all listening
points and leak detection results with ongoing emergency services.

Customer: City of Niles, IL (\$24,564 Contract/yr)
Contact: Jack Grana | Utilities Superintendent
Material: Metallic | Completed: 2021, 2022, 2023 (2024-2026) | System Age: ~100 yrs.
Services Rendered: Leak detection survey services for 103 miles while documenting all listening points and
leak detection results with ongoing emergency services.

Customer: Village of Buffalo Grove, IL (\$25,000 Contract/yr)
Contact: David K. Haisma | Superintendent of Water Operations
Material: Metallic | Completed: 2020-2022 | System Age: ~100 yrs.
Services Rendered: Annual leak detection services for 183 miles with ongoing emergency services while all
listening points, defects, mapping discrepancies, sounds, and leaks of 4,894 assets were documented in
ArcGIS. Confirmed leaks were documented and reported in Cartegraph.

Customer: Springfield, IL Water, Light, and Power (\$29,000 Contract/yr)
Contact: Josh Stewart, P.E. | Water Distribution Engineer
Material: Metallic | Completed: 2019-2022 | System Age: ~100 yrs.
Services Rendered: Leak detection survey services for 224 miles while documenting all listening points and
leak detection results.



Customer: City of Lakewood, OH (\$23,000 Contract/yr)
Contact: Nicholas DelVecchio | City of Lakewood Division Manager
Material: Metallic | Completed: 2020-2022, 2023, (2024-2027) |
System Age: ~100 yrs.
Services Rendered: Bi-annual leak detection services for 240 miles/year with ongoing emergency services while all listening points, defects, mapping discrepancies, sounds, asset types, and leaks were documented in ArcGIS.

Customer: City of Bensenville, IL (\$13,200 Contract/yr)
Contact: Vincent Smith | Operation Superintendent
Material: Metallic | Completed: 2021, 2022, & 2023 (2024) | System Age: ~100 yrs.
Services Rendered: Annual leak detection services for 80 miles with ongoing emergency services while documenting all listening points, defects, mapping discrepancies, sounds, and leaks in ArcGIS.

Customer: City of Cary, IL (\$10,200 Contract/yr)
Contact: John Stein | Deputy Director of Public Works
Material: Metallic | Completed: 2023 (2024-2025) | System Age: ~100 yrs.
Services Rendered: Annual leak detection services for 30 miles with ongoing emergency services while documenting all listening points, defects, mapping discrepancies, sounds, and leaks in ArcGIS.

Customer: City of Park Ridge, IL (\$19,320 Contract/yr)
Contact: Mark Miller | Superintendent of Public Works
Material: Metallic | Completed: 2020-2022 | System Age: ~100 yrs.
Services Rendered: Annual leak detection services for 138 miles with ongoing emergency services while documenting all listening points, defects, mapping discrepancies, sounds, and leaks in ArcGIS.

Customer: City of Oak Park, IL (\$17,490.00 Contract/yr)
Contact: James Eggen, P.E. | Superintendent of Water & Sewer Division
Material: Metallic | Completed: 2020 & 2022 | System Age: ~100 yrs.
Services Rendered: Leak detection services for 106 miles documenting all listening points, defects, mapping discrepancies, sounds, and leaks in ArcGIS.

Customer: Rotterdam, NY (\$19,963 Contract/yr)
Contact: Jeffrey Trzeciak, P.E. | Senior Project Manager II of Prime AE
Material: Metallic | Completed: 2023 | System Age: ~100 yrs.
Services Rendered: Annual leak detection services for Water District 3, 4, & 5 with ongoing emergency services while documenting all listening points, defects, mapping discrepancies, sounds, and leaks in ArcGIS.

Customer: City of St. Clair Shores, MI (\$29,400 Contract/yr)
Contact: Russ Miller | Water Department Superintendent
Material: Metallic | Completed: 2023 (2024-2025) | System Age: ~100 yrs.
Services Rendered: Annual leak detection services for 210 miles with ongoing emergency services while documenting all listening points, defects, mapping discrepancies, sounds, and leaks in ArcGIS.





Customer: City of Ecorse, MI (\$9,675 Contract/yr)
Contact: Dulanga Pathirana, P.E. | P.E. for Andersen, Eckstein, & Westrick
Material: Metallic | Completed: 2023 | System Age: ~100 yrs.
Services Rendered: Annual leak detection services for 43 miles with ongoing emergency services while documenting all listening points, defects, mapping discrepancies, sounds, and leaks in ArcGIS.

Customer: City of Havre de Grace, MD (\$9,000 Contract/yr)
Contact: Joe Conway | Chief of Construction and Program Management
Material: Metallic | Completed: 2022 | System Age: ~100 yrs.
Services Rendered: Annual leak detection services for 45 miles with ongoing emergency services while documenting all listening points, defects, mapping discrepancies, sounds, and leaks in ArcGIS.

Customer: City of Milton-Freewater, OR (\$10,335 Contract/yr)
Contact: Steven Patten | Public Works Technician
Material: Metallic & Non-metallic | Completed: 2022 | System Age: ~100 yrs.
Services Rendered: Annual leak detection services for 39 miles with ongoing emergency services while documenting all listening points, defects, mapping discrepancies, sounds, and leaks in ArcGIS.

Customer: City of Diablo, CA (\$27,125 Contract)
Contact: Dan Muelrath | General Manager of the Diablo Water District
Material: Metallic & Non-Metallic | Completed: 2020 | System Age: ~100 yrs.
Services Rendered: Annual leak detection services for 175 miles with ongoing emergency services while documenting all listening points, defects, mapping discrepancies, sounds, and leaks in ArcGIS.

Customer: St. Joseph, MI (\$5,400 Contract)
Contact: Tom MacDonald | Director of Public Works (retired)
Material: Metallic | Completed: 2021 | System Age: ~100 yrs.
Services Rendered: Annual leak detection services for 50 miles while documenting all listening points and leak detection results.

Customer: City of Darien, IL (\$12,916.80 Contract/yr)
Contact: Kris Throm | Superintendent of Municipal Services
Material: Metallic | Completed: 2022-2023 | System Age: ~100 yrs.
Services Rendered: Annual leak detection services for 90 miles documenting all listening points, defects, mapping discrepancies, sounds, and leaks in ArcGIS.



5. Price Proposal

Survey and Pinpointing Price

Miles = 147 miles

Unit Price = \$179.25 per miles

Total Price = \$26,349.75

Emergency Services Price

\$250 per hour (4-hour minimum)

\$200 per hour (After 4-hour minimum)

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 24-R-0031 – Contract Award – Corrective Asphalt Materials, LLC for the 2024 Pavement Preventative Maintenance Program in an Amount Not to Exceed \$49,999.20

AGENDA ITEM NUMBER:

4.E.

COMMITTEE AGENDA DATE: April 4, 2024
COUNCIL AGENDA DATE: April 15, 2024

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

SIGNATURE _____

APPROVED BY CITY ADMINISTRATOR: Michael L. Guttman

SIGNATURE _____

ITEM SUMMARY:

Preventative maintenance is an essential part of prolonging the life of a roadway, which delays the need for costly repairs in the future. The preventative maintenance process involves the use of an asphalt rejuvenator application on roads that have been paved within two to three years. This treatment is only applicable to hot-mix asphalt pavement. The application of such preventative treatment helps to delay its breakdown, which typically, leads to costlier repairs such as resurfacing or reconstruction.

Staff is proposing to use a familiar product called Reclamite for the preventative maintenance process. Reclamite is an emulsion made up of specific petroleum oils and resins. It is formulated to suspend the life cycle of asphalt pavement by restoring and preserving the asphalt's binder. When Reclamite combines with asphalt pavement it can restore the pavement's original properties, hence extending the life of the pavement. By extending the life cycle of the asphalt pavement, we are ultimately delaying all other treatments and most importantly keeping a "good road good".

The FY 2024 program will include a Reclamite application of approximately 41,666 SY of the roadway pavement, which includes various recent roadway rehabilitation project area locations such as Stockberry Lane, Sophia Street, McConnell Avenue, Ingaltton Avenue, Elmwood Avenue, Wendall Avenue, Grand Lake Boulevard, National Street, Bishop Street, and Augusta Avenue.

Reclamite is sold through a regional distributor and thus is considered a sole source item. Corrective Asphalt Materials (CAM) LLC is the local distributor of the material. CAM has provided a quote based on the pavement area to the Municipal Partner Initiative group at the Northwest Municipal Conference. CAM has extended the same price to the City of West Chicago. City has been part of the MPI group in DuPage County on other projects. A request for a quote produced the following result:

| COMPANY | BID TOTAL |
|---|--------------------------|
| Corrective Asphalt Materials (CAM) LLC. | \$ 49,999.20 (\$1.20/SY) |

The FY 2024 budget includes \$50,000.00 under Account No. 08-34-53-4842 in the Capital Projects Fund for this program. Staff recommends approval of the contract award to Corrective Asphalt Materials, LLC for the 2024 Pavement Preventative Maintenance Program.

CITY OF WEST CHICAGO

ACTIONS PROPOSED:

Approve Resolution No. 24-R-0031 authorizing the Mayor to execute a Contract with Corrective Asphalt Materials, LLC of Sugar Grove, Illinois for the 2024 Pavement Preventative Maintenance Program in an Amount Not to Exceed \$49,999.20

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 24-R-0031

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A CONTRACT WITH CORRECTIVE ASPHALT MATERIALS, LLC OF SUGAR GROVE, ILLINOIS, FOR THE 2024 PAVEMENT PREVENTATIVE MAINTENANCE PROGRAM IN AN AMOUNT NOT TO EXCEED \$49,999.20

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 Corrective Asphalt Materials, LLC of Sugar Grove, Illinois, for the 2024 Pavement Preventative Maintenance Program in an Amount Not to Exceed \$49,999.20, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 15th day of April 2024.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Ruben Pineda, Mayor

ATTEST:

Valeria Perez, Executive Office Manager

Corrective Asphalt Materials

Mailing Address:
300 Daniel Boone Trail
South Roxana, IL 62087
Phone: 618-254-3855
Fax: 618-254-2200

Locations:
300 Daniel Boone Trail, South Roxana, IL 62087
43W630 Wheeler Road, Sugar Grove, IL 60554

March 19, 2024
Dave Shah, PE
City of West Chicago
1400 W. Hawthorne Ln., West Chicago, IL 60185
Office: 630-293-2255
Email: dshah@westchicago.org

Corrective Asphalt Materials, LLC, (CAM) thanks you for the opportunity to bid the City of West Chicago Preservation Program. Please accept the following as our formal proposal to apply Reclamite Maltene Based Rejuvenating Agent to selected asphalt pavement.

- **Apply Reclamite to approximately 41,666 SY of selected asphalt pavement in accordance with Option 1 of The Village of Winnetka MPI Joint Bid #024-006 for Pavement Rejuvenation.**
- **CAM's responsibilities:**
 - **Furnish and apply Reclamite**
 - **Furnish and apply all lime screenings**
 - **All traffic control related to project**
 - **Resident Notification**
 - **Post Sweeping and disposal of aggregate.**
 - **Handle any complaints or issues that may arise from application**
 - **NTE \$50,000.00**
- **Unit Price: \$1.20 / SY** **Total Price \$49,999.20**

Mike Sumrall, Operations Manager will be contacting you to schedule the project.
Info: mike@cammidwest.com, Cell: 630-465-4142

Billing Information (please fill out upon acceptance)

Name: _____ Address: _____

Phone Number: _____

Again, thank you for the opportunity. We look forward to providing our professional services.

Sincerely,

Rachel Lang
Business Development
Corrective Asphalt Materials, LLC

Mike Sumrall
Operations Manager
Corrective Asphalt Materials, LLC

APPROVED BY:

Sign

Date

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 24-R-0032 – A Supplemental Resolution Appropriating the Use of Additional Motor Fuel Tax Funds for the City's General Maintenance and Approving City's Supplemental Estimate of Maintenance Cost for the 2024 Roadway Rehabilitation Project in an Amount Not to Exceed \$11,468.23

AGENDA ITEM NUMBER:4.F.**COMMITTEE AGENDA DATE:** April 4, 2024**COUNCIL AGENDA DATE:** April 15, 2024**STAFF REVIEW:** Mehul T. Patel, P.E., CFM., Director of Public Works**SIGNATURE** _____**APPROVED BY CITY ADMINISTRATOR:** Michael L. Guttman**SIGNATURE** _____**ITEM SUMMARY:**

On December 4, 2023, the City Council approved Ordinance No. 23-O-0041 adopting the Annual Budget for the Fiscal Year ending December 31, 2024, which included the proposed expenditure of Motor Fuel Tax (MFT) funds. MFT funds are budgeted to maintain or improve streets, highways, and rights-of-way under the applicable provisions of the Illinois Highway Code. Subsequently, on January 15, 2024, the City Council approved Resolution 24-R-0002 appropriating the use of MFT funds for the 2024 Roadway Rehabilitation Project in the amount of \$928,900.00.

Furthermore, the City Council approved Resolution 24-R-0027 on March 18, 2024, awarding the contract to Schroeder Asphalt Services, Inc (SAS) for the 2024 Roadway Rehabilitation Project in an amount not to exceed \$940,368.23. The awarded contract amount to SAS is \$11,468.23 higher than the originally appropriated MFT funds of \$928,900.00. Therefore, the City must approve a supplemental Resolution and the Estimate of Maintenance Cost for the additional \$11,468.23 per Illinois Department of Transportation (IDOT) requirements to utilize additional MFT funds on the project. Supplemental forms BLR 14220 – Resolution for Maintenance Under the Illinois Highway Code form and BLR 14222 – Local Public Agency General Maintenance, Estimate of Maintenance Cost are enclosed for review and approval.

ACTIONS PROPOSED:

Approve Resolution No. 24-R-0032 authorizing the Executive Office Manager to execute and submit, to IDOT, the attached supplemental BLR 14220 – Resolution for Maintenance under The Illinois Highway Code and the Mayor to execute and submit, to IDOT, the attached supplemental BLR 14222 – Local Public Agency General Maintenance, Estimate of Maintenance Cost, to utilize additional MFT funding in the amount of \$11,468.23 for the 2024 Roadway Rehabilitation Project.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 24-R-0032

A RESOLUTION AUTHORIZING THE EXECUTIVE OFFICE MANAGER TO EXECUTE SUPPLEMENTAL BLR 14220 – RESOLUTION FOR MAINTENANCE UNDER THE ILLINOIS HIGHWAY CODE AND THE MAYOR TO EXECUTE SUPPLEMENTAL BLR 14222 – LOCAL PUBLIC AGENCY GENERAL MAINTENANCE, ESTIMATE OF MAINTENANCE COST, TO UTILIZE ADDITIONAL MOTOR FUEL TAX FUNDS IN THE AMOUNT NOT TO EXCEED \$11,468.32 FOR THE 2024 ROADWAY REHABILITATION PROJECT

BE IT RESOLVED by the City Council of the City of West Chicago, in regular session assembled, that the Executive Office Manager is hereby authorized to execute the Illinois Department of Transportation Supplemental BLR 14220 – Resolution for Maintenance under The Illinois Highway Code form, and the Mayor is hereby authorized to execute the Illinois Department of Transportation Supplemental BLR 14222 – Local Public Agency General Maintenance, Estimate of Maintenance Cost form, and both are authorized to submit the forms to the Illinois Department of Transportation for expenditures using Motor Fuel Tax funds for the 2024 Roadway Rehabilitation Project, a copy of which is attached hereto and incorporated herein as Exhibit “A”.

APPROVED this 15th day of April 2024.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

Executive Office Manager Valeria Perez



| District | County | Resolution Number | Resolution Type | Section Number |
|----------|--------|-------------------|-----------------|----------------|
| 1 | DuPage | 24-R-0032 | Supplemental | 24-00000-01-GM |

BE IT RESOLVED, by the Council of the City of West Chicago Illinois that there is hereby appropriated the sum of Eleven Thousand Four Hundred Sixty-Eight Dollars and Twenty Three Cents Dollars (\$11,468.23)

of Motor Fuel Tax funds for the purpose of maintaining streets and highways under the applicable provisions of Illinois Highway Code from 01/01/24 to 12/31/24.

BE IT FURTHER RESOLVED, that only those operations as listed and described on the approved Estimate of Maintenance Costs, including supplemental or revised estimates approved in connection with this resolution, are eligible for maintenance with Motor Fuel Tax funds during the period as specified above.

BE IT FURTHER RESOLVED, that City of West Chicago shall submit within three months after the end of the maintenance period as stated above, to the Department of Transportation, on forms available from the Department, a certified statement showing expenditures and the balances remaining in the funds authorized for expenditure by the Department under this appropriation, and

BE IT FURTHER RESOLVED, that the Clerk is hereby directed to transmit four (4) certified originals of this resolution to the district office of the Department of Transportation.

I Valeria Perez City Executive Office Manager ~~Clerk~~ in and for said City of West Chicago in the State of Illinois, and keeper of the records and files thereof, as provided by statute, do hereby certify the foregoing to be a true, perfect and complete copy of a resolution adopted by the

Council of West Chicago at a meeting held on 04/15/24.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 15th day of April 2024.

(SEAL, if required by the LPA)

~~Clerk Signature & Date~~
 Executive Office Manager

APPROVED

Regional Engineer Signature & Date
 Department of Transportation



Local Public Agency General Maintenance

Submittal Type Supplemental

Estimate of Maintenance Costs

District 1 Estimate of Cost For Municipality

| Local Public Agency | County | Section Number | Maintenance Period | |
|----------------------|--------|----------------|--------------------|----------|
| | | | Beginning | Ending |
| City of West Chicago | DuPage | 24-00000-01-GM | 01/01/24 | 12/31/24 |

Maintenance Items

| Maintenance Operation | Maint Eng Category | Insp. Req. | Material Categories/ Point of Delivery or Work Performed by an Outside Contractor | Unit | Quantity | Unit Cost | Cost | Total Maintenance Operation Cost |
|-----------------------------|--------------------|------------|---|------|----------|-------------|-------------|----------------------------------|
| 2024 Roadway Rehabilitation | IIB | | Pavement resurfacing (2.25"), sidewalk & curb and gutter replacement, ADA improvements, spot storm sewer improvements, and various misc. work | EA | 1 | \$11,468.23 | \$11,468.23 | \$11,468.23 |
| Total Operation Cost | | | | | | | | \$11,468.23 |

Estimate of Maintenance Costs Summary

| | MFT Funds | RBI Funds | Other Funds | Estimated Costs |
|--|--------------------|-----------|-------------|--------------------|
| Maintenance | | | | |
| Local Public Agency Labor | | | | |
| Local Public Agency Equipment | | | | |
| Materials/Contracts(Non Bid Items) | | | | |
| Materials/Deliver & Install/Materials Quotations (Bid Items) | | | | |
| Formal Contract (Bid Items) | \$11,468.23 | | | \$11,468.23 |
| Maintenance Total | \$11,468.23 | | | \$11,468.23 |

Estimated Maintenance Eng Costs Summary

| | MFT Funds | RBI Funds | Other Funds | Total Est Costs |
|--------------------------------------|--------------------|-----------|-------------|--------------------|
| Maintenance Engineering | | | | |
| Preliminary Engineering | | | | |
| Engineering Inspection | | | | |
| Material Testing | | | | |
| Advertising | | | | |
| Bridge Inspection Engineering | | | | |
| Maintenance Engineering Total | | | | |
| Total Estimated Maintenance | \$11,468.23 | | | \$11,468.23 |

Remarks

Original Estimate of Maintenance Cost - \$928,900.00

Estimate of Maintenance Costs

Submittal Type **Supplemental**

| Local Public Agency | County | Section | Maintenance Period | |
|----------------------|--------|----------------|--------------------|----------|
| | | | Beginning | Ending |
| City of West Chicago | DuPage | 24-00000-01-GM | 01/01/24 | 12/31/24 |

SUBMITTED

Local Public Agency Official Signature & Date

Title
Mayor

County Engineer/Superintendent of Highways Signature & Date

APPROVED

Regional Engineer Signature & Date
Department of Transportation

IDOT Department Use Only

Received Location Received Date Additional Location?

WMFT Entry By Entry Date

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 24-R-0033 – Contract Award – Plote Construction, Inc. for the 2024 Harvester Road Reconstruction Project in an Amount Not to Exceed \$3,819,800.57

AGENDA ITEM NUMBER: 4.G.

COMMITTEE AGENDA DATE: April 4, 2024

COUNCIL AGENDA DATE: April 15, 2024

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

SIGNATURE _____

APPROVED BY CITY ADMINISTRATOR: Michael L. Guttman

SIGNATURE _____

ITEM SUMMARY:

The Harvester Road Reconstruction Project between Powis Road and Hawthorne Lane, as denoted in the enclosed location map, includes full-depth reconstruction and widening of road pavement with 10" jointed Portland Cement Concrete (PCC) pavement, street light removal and replacement, new sidewalk construction, installation of ADA-compliant detectable warnings and curb ramps, driveway removal and replacement with curb & gutter, relocation of fire hydrants, miscellaneous storm sewer structure adjustments, reconstruction and replacement of spot sanitary sewer structures and pipes, and other miscellaneous work as denoted in the Project plans and specifications. The net length of roadway improvements is approximately 0.76 miles or 4,002 feet. The construction is anticipated to begin in spring 2024 and is expected to be completed in October 2024, weather dependent.

The Project was re-advertised for public bids in the Daily Herald and on an online bidding platform, QuestCDN, on February 29, 2024. Staff opened bids on March 21, 2024, and below are the bid results:

| CONTRACTOR | AS CORRECTED BID SUBMITTAL AMOUNT | RANK |
|----------------------------------|-----------------------------------|------|
| Plote Construction Inc. | \$3,819,800.57 | 1 |
| R.W. Dunteman Co. | \$3,829,000.00 | 2 |
| Acura, Inc. | \$4,029,463.15 | 3 |
| Alliance Contractors, Inc. | \$4,414,821.53 | 4 |
| A Lamp Concrete Contractors, Inc | N/A* | - |
| ENGINEER'S ESTIMATE | \$4,599,960.55 | - |

* Bid submittal amount not read publicly as the bid submittal requirements were not met.

The City Council approved Resolution No. 24-R-0004 on January 15, 2024, appropriating the use of Motor Fuel Tax (MFT) and Rebuild Illinois (RBI) grant funds for the Project. The City received \$1,785,073.98 in RBI grant funds from the State, which shall be obligated by July 1, 2025. The FY 2024 Budget includes a total of \$3,777,800.00 for the Project from various funds as summarized in the table below:

| Fund | Item | Account No. | FY 2024 Budget Amount |
|------------------------|---------------------------------------|---------------|-----------------------|
| Motor Fuel Tax | Commodities & Projects | | |
| MFT | | 16-34-58-4807 | \$570,000.00 |
| Rebuild Illinois Grant | | 16-34-58-4807 | \$1,780,000.00 |
| Capital Projects Fund | Capital Outlay – Street Improvements | 08-34-53-4807 | \$1,327,800.00 |
| Water Fund | Capital Outlay – Other Capital Outlay | 06-34-47-4806 | \$50,000.00 |
| Sewer Fund | Capital Outlay – Other Capital Outlay | 05-34-43-4806 | \$50,000.00 |
| Total: | | | \$3,777,800.00 |

CITY OF WEST CHICAGO

Plote Construction, Inc. of Hoffman Estates, Illinois submitted a bid proposal value of \$3,819,800.57, which is \$780,159.98 or approximately 17% lower than the engineer's estimated cost of \$4,599,960.55; however, it is \$42,000.57 over the FY 2024 budgeted amount of \$3,777,800.00. Staff recommends funding the \$42,000.57 overage from the Capital Projects Fund – Capital Outlay – Street Improvement Account No. 08-34-53-4807. Under the same account, \$438,900.00 is budgeted in FY 2024 for the York Avenue Area Water Main and Rehabilitation Project, which is partially grant-funded by the Community Development Block Grant (CDBG) Program through DuPage County. Staff recently learned that due to limited funding, the County has deprioritized and included this Project in its B-List category. Therefore, staff does not foresee the York Avenue Area Water Main and Rehabilitation Project under construction in FY 2024.

The City has previously contracted with Plote Construction, Inc., including on the 2023 Technology Boulevard Resurfacing Project, which was completed satisfactorily. Plote is registered with the Illinois Department of Transportation as a prequalified contractor.

Staff recommends awarding the 2024 Harvester Road Reconstruction Project to Plote Construction, Inc. for a total contract amount not to exceed \$3,819,800.57.

ACTIONS PROPOSED:

Approve Resolution No. 24-R-0033 authorizing the Mayor to execute a Contract with the lowest responsible bidder, Plote Construction, Inc. of Hoffman Estates, Illinois, for the 2024 Harvester Road Reconstruction Project in an amount not to exceed \$3,819,800.57.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 24-R-0033

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE
A CONTRACT WITH PLOTE CONSTRUCTION, INC. OF
HOFFMAN ESTATES, ILLINOIS, FOR
THE 2024 HARVESTER ROAD RECONSTRUCTION PROJECT
IN AN AMOUNT NOT TO EXCEED \$3,819,800.57**

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, Plote Construction, Inc., for the 2024 Harvester Road Reconstruction Project for an amount not to exceed \$3,819,800.57, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 15th day of April 2024.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor, Ruben Pineda

ATTEST:

Executive Office Manager, Valeria Perez

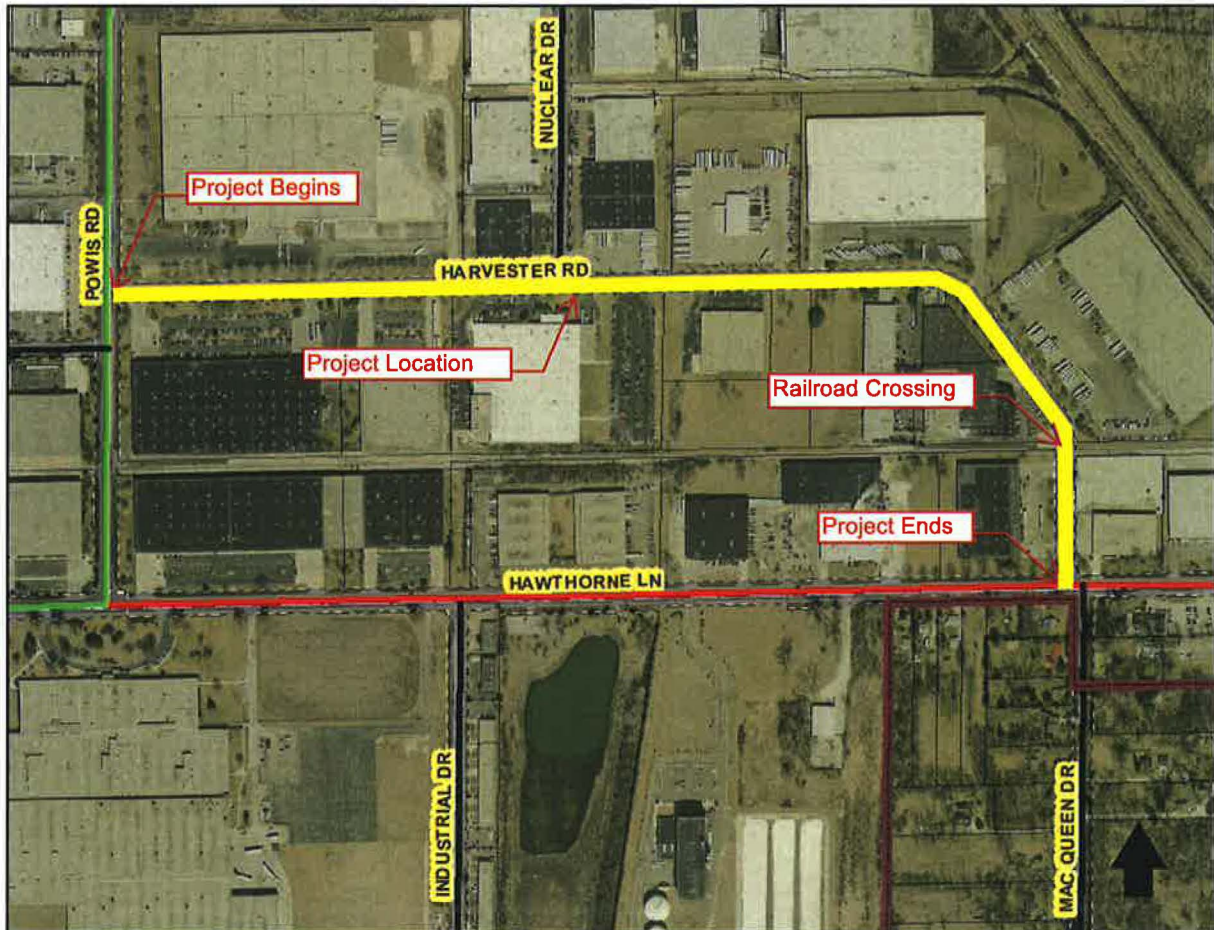
Location Map

Harvester Road Reconstruction Project

Harvester Road from Powis Road to Hawthorne Lane

Length: 0.759 Miles or 4,005 FT

West Chicago, DuPage County



March 21, 2024

Dave Shah, P.E.
Assistant Director of Public Works
City of West Chicago - Public Works Department
1400 W Hawthorne Lane
West Chicago, IL 60185

Re: Bid Analysis (Re-Bid) – 2024 Harvester Road Reconstruction Project

Dear Mr. Shah:

Thomas Engineering Group, LLC (TEG) prepares this memo to recommend a qualified vendor for performing contractual roadway reconstruction services for the City of West Chicago's 2024 Harvester Road Reconstruction Project (Project).

On Thursday, March 21, 2024, the City received a total of five (5) competitive bid proposals from interested contractors. All bids were opened but only four (4) bids were determined responsible and read aloud at the bid opening. A Lamp Concrete Contractors, Inc. was disqualified for failure to submit acknowledgement of Addendum #1. TEG has compiled the information of the four (4) responsible bid proposals and offers the following recommendation to the City for awarding the Project.

A Bid Tabulation worksheet (attached) was developed for evaluation of all bid values submitted at the bid opening. TEG's evaluation of bids included consideration of bid proposal completeness, unit pricing, total quantities, and total cost. According to the Bid Tabulation, Plote Construction Inc. (Plote), located in Hoffman Estates, Illinois, submitted the lowest, responsible bid in the amount of \$3,819,800.57 (As Corrected). The engineer's estimate of probable cost was \$4,599,960.55. All bid proposals ranged from \$3,819,800.57 to \$4,414,821.53. The second lowest bidder, R.W. Dunteman Company, submitted a cost of \$3,829,000.00, just \$9,199.43 higher than the lowest bid.

Plote Construction Inc. is prequalified in Category 2 – Portland Cement Concrete (PCC) Paving by the Illinois Department of Transportation and meets the eligibility requirements of the contract. In addition, Plote has performed similar roadway reconstruction and PCC paving work for other municipalities including the City's Washington Street PCC Pavement Rehabilitation Project in 2011. TEG has direct experience working with Plote and is pleased with their past performance on municipal roadway projects. Based on these qualifications and our direct experience with Plote, we believe that Plote Construction Inc. is qualified to perform contractual roadway reconstruction services for the City's 2024 Harvester Road Reconstruction Project.

If you have any questions or comments, please feel free to call me at (847) 815-9500 or e-mail at kevinv@thomas-engineering.com.

Sincerely,
thomas engineering group, llc


Kevin VanDeWocstyne, P.E., ENV SP
Municipal Department Head

Attachments

Cc/email: Mr. Matt Vitner, P.E., Senior Project Manager, Thomas Engineering Group, LLC



| 2024 Harvester Road Reconstruction Project March 21, 2024 Re-Bid | | | | | | | | | | | | | | | | | |
|--|---|----------|-------|--|----------------|-------------------------|----------------|-------------------|----------------|--------------|----------------|---------------------------|----------------|--------------------------|----------------|--------------|---------------|
| Municipality/Owner: City of West Chicago | | | | | | | | | | | | | | | | | |
| Prepared by: Jeff Andrzejewski | | | | | | | | | | | | | | | | | |
| Checked By: Matthew Vitner, P.E 03/21/24 | | | | | | | | | | | | | | | | | |
| | | | | Engineer's Estimate of Probable Construction Costs | | Plote Construction Inc. | | R.W. Dunteman Co. | | Acura Inc. | | Alliance Contractors Inc. | | AVERAGE COST ALL BIDDERS | | BID ANALYSIS | |
| ITEM NO. | DESCRIPTION | QUANTITY | UNIT | UNIT PRICE | TOTAL | UNIT PRICE | TOTAL | UNIT PRICE | TOTAL | UNIT PRICE | TOTAL | UNIT PRICE | TOTAL | UNIT PRICE | TOTAL | VARIANCE | CONTRIBUTARY |
| 1 | TREE REMOVAL (6 TO 15 UNITS DIAMETER) | 119 | UNIT | \$30.00 | \$3,570.00 | \$23.00 | \$2,737.00 | \$22.50 | \$2,677.50 | \$65.00 | \$7,735.00 | \$25.00 | \$2,975.00 | \$33.88 | \$4,031.13 | 68% | -\$1,294.13 |
| 2 | TREE REMOVAL (OVER 15 UNITS DIAMETER) | 15 | UNIT | \$40.00 | \$600.00 | \$28.00 | \$420.00 | \$24.00 | \$360.00 | \$70.00 | \$1,050.00 | \$30.00 | \$450.00 | \$38.00 | \$570.00 | 74% | -\$150.00 |
| 3 | TREE TRUNK PROTECTION | 65 | EACH | \$125.00 | \$8,125.00 | \$10.00 | \$650.00 | \$95.00 | \$6,175.00 | \$150.00 | \$9,750.00 | \$100.00 | \$6,500.00 | \$88.75 | \$5,768.75 | 11% | -\$5,118.75 |
| 4 | TREE ROOT PRUNING | 65 | EACH | \$150.00 | \$9,750.00 | \$10.00 | \$650.00 | \$100.00 | \$6,500.00 | \$10.00 | \$650.00 | \$80.00 | \$5,200.00 | \$50.00 | \$3,250.00 | 20% | -\$2,600.00 |
| 5 | SUPPLEMENTAL WATERING | 333 | UNIT | \$45.00 | \$14,985.00 | \$0.00 | \$0.00 | \$0.01 | \$3.33 | \$1.00 | \$333.00 | \$0.10 | \$33.30 | \$0.28 | \$92.41 | 0% | -\$92.41 |
| 6 | EARTH EXCAVATION | 5,174 | CU YD | \$30.00 | \$155,220.00 | \$48.00 | \$248,352.00 | \$43.00 | \$222,482.00 | \$5.00 | \$25,870.00 | \$40.00 | \$206,960.00 | \$34.00 | \$175,916.00 | 141% | \$72,436.00 |
| 7 | EARTH EXCAVATION (WIDENING) | 53 | CU YD | \$60.00 | \$3,180.00 | \$80.00 | \$4,240.00 | \$81.00 | \$4,293.00 | \$75.00 | \$3,975.00 | \$40.00 | \$2,120.00 | \$69.00 | \$3,657.00 | 116% | \$583.00 |
| 8 | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | 1,618 | CU YD | \$30.00 | \$48,540.00 | \$64.00 | \$103,552.00 | \$70.00 | \$113,260.00 | \$45.00 | \$72,810.00 | \$10.00 | \$16,180.00 | \$47.25 | \$76,450.50 | 135% | \$27,101.50 |
| 9 | TRENCH BACKFILL | 315 | CU YD | \$75.00 | \$23,625.00 | \$61.00 | \$19,215.00 | \$61.25 | \$19,293.75 | \$61.25 | \$19,293.75 | \$61.25 | \$19,274.06 | \$61.19 | \$19,274.06 | 100% | -\$59.06 |
| 10 | GEOTECHNICAL FABRIC FOR GROUND STABILIZATION | 18,940 | SQ YD | \$2.00 | \$37,880.00 | \$2.00 | \$37,880.00 | \$2.30 | \$43,562.00 | \$2.50 | \$47,350.00 | \$1.00 | \$18,940.00 | \$1.95 | \$36,933.00 | 103% | \$947.00 |
| 11 | EXPLORATION TRENCH 48" DEPTH | 20 | FOOT | \$50.00 | \$1,000.00 | \$35.00 | \$700.00 | \$35.00 | \$700.00 | \$35.00 | \$700.00 | \$35.00 | \$700.00 | \$35.00 | \$700.00 | 100% | \$0.00 |
| 12 | TEMPORARY DITCH CHECKS | 960 | FOOT | \$12.00 | \$11,520.00 | \$12.00 | \$11,520.00 | \$12.00 | \$11,520.00 | \$10.00 | \$9,600.00 | \$12.00 | \$11,520.00 | \$11.50 | \$11,040.00 | 104% | \$480.00 |
| 13 | PERIMETER EROSION BARRIER | 6,932 | FOOT | \$3.00 | \$20,796.00 | \$3.00 | \$20,796.00 | \$2.85 | \$19,756.20 | \$3.25 | \$22,529.00 | \$2.85 | \$19,756.20 | \$2.99 | \$20,709.35 | 100% | \$86.65 |
| 14 | INLET FILTERS | 50 | EACH | \$250.00 | \$12,500.00 | \$111.00 | \$5,550.00 | \$111.10 | \$5,555.00 | \$150.00 | \$7,500.00 | \$25.00 | \$1,250.00 | \$99.28 | \$4,963.75 | 112% | \$586.25 |
| 15 | AGGREGATE SUBGRADE IMPROVEMENT | 1,618 | CU YD | \$30.00 | \$48,540.00 | \$0.00 | \$0.00 | \$0.50 | \$809.00 | \$30.00 | \$48,540.00 | \$38.00 | \$61,484.00 | \$17.13 | \$27,708.25 | 0% | -\$27,708.25 |
| 16 | AGGREGATE SUBGRADE IMPROVEMENT 12" | 18,940 | SQ YD | \$17.00 | \$321,980.00 | \$12.00 | \$227,280.00 | \$11.50 | \$217,810.00 | \$15.00 | \$284,100.00 | \$14.75 | \$279,365.00 | \$13.31 | \$252,138.75 | 90% | -\$24,858.75 |
| 17 | AGGREGATE BASE COURSE, TYPE B 4" | 1,887 | SQ YD | \$10.00 | \$18,870.00 | \$10.00 | \$18,870.00 | \$7.00 | \$13,209.00 | \$8.00 | \$15,096.00 | \$5.00 | \$9,435.00 | \$7.50 | \$14,152.50 | 133% | \$4,717.50 |
| 18 | AGGREGATE BASE COURSE, TYPE B 6" | 2,755 | SQ YD | \$15.00 | \$41,325.00 | \$15.00 | \$41,325.00 | \$10.00 | \$27,550.00 | \$10.00 | \$27,550.00 | \$7.50 | \$20,662.50 | \$10.63 | \$29,271.88 | 141% | \$12,053.13 |
| 19 | HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE BASE COURSE 9" | 80 | SQ YD | \$100.00 | \$8,000.00 | \$150.00 | \$12,000.00 | \$89.00 | \$7,120.00 | \$90.00 | \$7,200.00 | \$83.00 | \$6,640.00 | \$103.00 | \$8,240.00 | 146% | \$3,760.00 |
| 20 | HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 | 6 | TON | \$300.00 | \$1,800.00 | \$200.00 | \$1,200.00 | \$333.00 | \$1,998.00 | \$800.00 | \$4,800.00 | \$253.00 | \$1,518.00 | \$396.50 | \$2,379.00 | 50% | -\$1,179.00 |
| 21 | HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 | 49 | TON | \$300.00 | \$14,700.00 | \$230.00 | \$11,270.00 | \$179.00 | \$8,771.00 | \$500.00 | \$24,500.00 | \$273.00 | \$13,377.00 | \$295.50 | \$14,479.50 | 78% | -\$3,209.50 |
| 22 | BITUMINOUS MATERIALS (PRIME COAT) | 367 | POUND | \$1.00 | \$367.00 | \$0.01 | \$3.67 | \$1.00 | \$367.00 | \$3.00 | \$1,101.00 | \$0.01 | \$3.67 | \$1.01 | \$368.84 | 1% | -\$365.17 |
| 23 | BITUMINOUS MATERIALS (TACK COAT) | 111 | POUND | \$1.00 | \$111.00 | \$0.01 | \$1.11 | \$1.00 | \$111.00 | \$3.00 | \$333.00 | \$0.01 | \$1.11 | \$1.01 | \$111.56 | 1% | -\$110.45 |
| 24 | PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED) | 17,378 | SQ YD | \$85.00 | \$1,477,130.00 | \$76.00 | \$1,320,728.00 | \$83.00 | \$1,442,374.00 | \$80.00 | \$1,390,240.00 | \$99.00 | \$1,720,422.00 | \$84.50 | \$1,468,441.00 | 90% | -\$147,713.00 |
| 25 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | 16,981 | SQ FT | \$10.00 | \$169,810.00 | \$9.00 | \$152,829.00 | \$8.00 | \$135,848.00 | \$8.00 | \$135,848.00 | \$7.50 | \$127,357.50 | \$8.13 | \$137,970.63 | 111% | \$14,858.38 |
| 26 | PAVEMENT REMOVAL | 14,553 | SQ YD | \$15.00 | \$218,295.00 | \$9.50 | \$138,253.50 | \$12.70 | \$184,823.10 | \$22.00 | \$320,166.00 | \$33.00 | \$480,249.00 | \$19.30 | \$280,872.90 | 49% | -\$142,619.40 |
| 27 | HOT-MIX ASPHALT SURFACE REMOVAL, 2" | 260 | SQ YD | \$50.00 | \$13,000.00 | \$21.00 | \$5,460.00 | \$10.00 | \$2,600.00 | \$12.00 | \$3,120.00 | \$12.00 | \$3,120.00 | \$13.75 | \$3,575.00 | 153% | \$1,885.00 |
| 28 | CLASS D PATCHES, TYPE IV, 8 INCH | 79 | SQ YD | \$120.00 | \$9,480.00 | \$115.00 | \$9,085.00 | \$83.50 | \$6,596.50 | \$140.00 | \$11,060.00 | \$123.00 | \$9,717.00 | \$115.38 | \$9,114.63 | 100% | -\$29.63 |
| 29 | FIRE HYDRANTS TO BE RELOCATED | 11 | EACH | \$6,000.00 | \$66,000.00 | \$12,610.00 | \$138,710.00 | \$12,610.00 | \$138,710.00 | \$12,610.00 | \$138,710.00 | \$12,610.00 | \$138,710.00 | \$12,610.00 | \$138,710.00 | 100% | \$0.00 |
| 30 | CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID | 1 | EACH | \$5,000.00 | \$5,000.00 | \$1,705.00 | \$1,705.00 | \$1,705.00 | \$1,705.00 | \$1,705.00 | \$1,705.00 | \$1,705.00 | \$1,705.00 | \$1,705.00 | \$1,705.00 | 100% | \$0.00 |
| 31 | CATCH BASINS, TYPE C, TYPE 8 GRATE | 1 | EACH | \$5,000.00 | \$5,000.00 | \$1,350.00 | \$1,350.00 | \$1,350.00 | \$1,350.00 | \$1,350.00 | \$1,350.00 | \$1,350.00 | \$1,350.00 | \$1,350.00 | \$1,350.00 | 100% | \$0.00 |
| 32 | MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, OPEN LID | 1 | EACH | \$12,500.00 | \$12,500.00 | \$6,450.00 | \$6,450.00 | \$6,450.00 | \$6,450.00 | \$6,450.00 | \$6,450.00 | \$6,450.00 | \$6,450.00 | \$6,450.00 | \$6,450.00 | 100% | \$0.00 |
| 33 | CATCH BASINS TO BE RECONSTRUCTED | 1 | EACH | \$2,000.00 | \$2,000.00 | \$1,100.00 | \$1,100.00 | \$1,100.00 | \$1,100.00 | \$1,100.00 | \$1,100.00 | \$1,100.00 | \$1,100.00 | \$1,100.00 | \$1,100.00 | 100% | \$0.00 |
| 34 | MANHOLES TO BE RECONSTRUCTED | 1 | EACH | \$2,500.00 | \$2,500.00 | \$1,100.00 | \$1,100.00 | \$1,100.00 | \$1,100.00 | \$1,100.00 | \$1,100.00 | \$1,100.00 | \$1,100.00 | \$1,100.00 | \$1,100.00 | 100% | \$0.00 |
| 35 | INLETS TO BE RECONSTRUCTED | 8 | EACH | \$2,000.00 | \$16,000.00 | \$482.50 | \$3,860.00 | \$482.50 | \$3,860.00 | \$482.50 | \$3,860.00 | \$482.50 | \$3,860.00 | \$482.50 | \$3,860.00 | 100% | \$0.00 |
| 36 | VALVE VAULTS TO BE ADJUSTED | 5 | EACH | \$1,500.00 | \$7,500.00 | \$395.60 | \$1,978.00 | \$395.60 | \$1,978.00 | \$395.60 | \$1,978.00 | \$395.60 | \$1,978.00 | \$395.60 | \$1,978.00 | 100% | \$0.00 |
| 37 | FRAMES AND LIDS TO BE ADJUSTED | 22 | EACH | \$650.00 | \$14,300.00 | \$395.60 | \$8,703.20 | \$395.60 | \$8,703.20 | \$395.60 | \$8,703.20 | \$395.60 | \$8,703.20 | \$395.60 | \$8,703.20 | 100% | \$0.00 |
| 38 | GRATES, TYPE 8 | 23 | EACH | \$750.00 | \$17,250.00 | \$225.00 | \$5,175.00 | \$225.00 | \$5,175.00 | \$225.00 | \$5,175.00 | \$225.00 | \$5,175.00 | \$225.00 | \$5,175.00 | 100% | \$0.00 |
| 39 | FRAMES AND GRATES, TYPE 11V | 8 | EACH | \$30.00 | \$240.00 | \$549.75 | \$4,398.00 | \$549.75 | \$4,398.00 | \$549.75 | \$4,398.00 | \$549.75 | \$4,398.00 | \$549.75 | \$4,398.00 | 100% | \$0.00 |
| 40 | FRAMES AND LIDS, TYPE 1, OPEN LID | 1 | EACH | \$750.00 | \$750.00 | \$340.00 | \$340.00 | \$340.00 | \$340.00 | \$340.00 | \$340.00 | \$340.00 | \$340.00 | \$340.00 | \$340.00 | 100% | \$0.00 |
| 41 | FRAMES AND LIDS, TYPE 1, CLOSED LID | 15 | EACH | \$750.00 | \$11,250.00 | \$340.00 | \$5,100.00 | \$340.00 | \$5,100.00 | \$340.00 | \$5,100.00 | \$340.00 | \$5,100.00 | \$340.00 | \$5,100.00 | 100% | \$0.00 |
| 42 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 | 905 | FOOT | \$40.00 | \$36,200.00 | \$48.00 | \$43,440.00 | \$35.00 | \$31,675.00 | \$45.00 | \$40,725.00 | \$48.00 | \$43,440.00 | \$44.00 | \$39,820.00 | 109% | \$3,620.00 |
| 43 | MOBILIZATION | 1 | L SUM | \$231,064.55 | \$231,064.55 | \$214,745.59 | \$214,745.59 | \$186,135.62 | \$186,135.62 | \$241,750.00 | \$241,750.00 | \$108,915.00 | \$108,915.00 | \$187,886.55 | \$187,886.55 | 114% | \$26,859.04 |
| 44 | SIGN PANEL - TYPE 1 | 158 | SQ FT | \$60.00 | \$9,480.00 | \$19.00 | \$3,002.00 | \$19.00 | \$3,002.00 | \$26.00 | \$4,108.00 | \$17.25 | \$2,725.50 | \$20.31 | \$3,209.38 | 94% | -\$207.38 |
| 45 | RELOCATE SIGN PANEL ASSEMBLY - TYPE A | 11 | EACH | \$250.00 | \$2,750.00 | \$100.00 | \$1,100.00 | \$100.00 | \$1,100.00 | \$60.00 | \$660.00 | \$275.00 | \$3,025.00 | \$133.75 | \$1,471.25 | 75% | -\$371.25 |
| 46 | RELOCATE SIGN PANEL ASSEMBLY - TYPE B | 2 | EACH | \$500.00 | \$1,000.00 | \$500.00 | \$1,000.00 | \$500.00 | \$1,000.00 | \$150.00 | \$300.00 | \$285.00 | \$570.00 | \$358.75 | \$717.50 | 139% | \$282.50 |
| 47 | TELESCOPING STEEL SIGN SUPPORT | 308 | FOOT | \$25.00 | \$7,700.00 | \$13.00 | \$4,004.00 | \$14.00 | \$4,312.00 | \$16.50 | \$5,082.00 | \$14.75 | \$4,485.25 | \$14.56 | \$4,481.25 | 89% | -\$481.25 |
| 48 | EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS | 196 | SQ FT | \$20.00 | \$3,920.00 | \$6.00 | \$1,176.00 | \$5.00 | \$980.00 | \$6.00 | \$1,176.00 | \$5.00 | \$980.00 | \$5.50 | \$1,078.00 | 109% | \$98.00 |
| 49 | EPOXY PAVEMENT MARKING - LINE 4" | 7,176 | FOOT | \$3.00 | \$21,528.00 | \$0.75 | \$5,382.00 | \$0.95 | \$6,817.20 | \$0.75 | \$5,382.00 | \$0.95 | \$6,817.20 | \$0.85 | \$6,099.60 | 88% | -\$717.60 |
| 50 | EPOXY PAVEMENT MARKING - LINE 6" | 1,312 | FOOT | \$2.00 | \$2,624.00 | \$1.50 | \$2,256.00 | \$1.72 | \$2,256.64 | \$1.72 | \$2,256.64 | \$1.72 | \$2,256.64 | \$1.61 | \$2,112.32 | 93% | -\$144.32 |
| 51 | EPOXY PAVEMENT MARKING - LINE 12" | 418 | FOOT | \$10.00 | \$4,180.00 | \$3.00 | \$1,254.00 | \$3.32 | \$1,387.76 | \$3.00 | \$1,254.00 | \$3.32 | \$1,387.76 | \$3.16 | \$1,320.88 | 95% | -\$66.88 |
| 52 | EPOXY PAVEMENT MARKING - LINE 24" | 124 | FOOT | \$15.00 | \$1,860.00 | \$6.00 | \$744.00 | \$5.00 | \$620.00 | \$6.00 | \$744.00 | \$5.00 | \$620.00 | \$5.50 | \$682.00 | 109% | \$62.00 |
| 53 | ELECTRIC SERVICE INSTALLATION | 1 | EACH | \$10,000.00 | \$10,000.00 | \$15,000.00 | \$15,000.00 | \$15,000.00 | \$15,000.00 | \$15,000.00 | \$15,000.00 | \$15,000.00 | \$15,000.00 | \$15,000.00 | \$15,000.00 | 100% | \$0.00 |
| 54 | ELECTRIC UTILITY SERVICE CONNECTION | 1 | L SUM | \$10,000.00 | \$10,000.00 | | | | | | | | | | | | |

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 24-R-0035 – Contract Award – Strada Construction Co. for the 2024 Sidewalk and Curb Maintenance Program in an Amount Not to Exceed \$110,000.00.

AGENDA ITEM NUMBER: 4.H.

COMMITTEE AGENDA DATE: April 4, 2024

COUNCIL AGENDA DATE: April 15, 2024

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

SIGNATURE _____

APPROVED BY CITY ADMINISTRATOR: Michael L. Guttman

SIGNATURE _____

ITEM SUMMARY:

The 2024 Sidewalk and Curb Maintenance Program will consist of intermittent removal and replacement of approximately 3,900 square feet of sidewalk and 250 linear feet of curb and gutter at various locations throughout the City. The Program also includes the construction of an aggregate base course for ground stabilization, inlet adjustments, detectable warning installation, tree root pruning, and restoration items, including hot-mix-asphalt and concrete driveway replacements, pavement patching, and sodding.

The request for bids was advertised in the Daily Herald and on an online bidding platform, QuestCDN, on March 5, 2024, with the bid opening on March 26, 2024. The bid results are as follows:

| Bidder | Bid Amount | Overall Rank |
|-------------------------------------|---------------------|--------------|
| Strada Construction Co. | \$90,022.00 | 1 |
| Davis Concrete Construction Company | \$97,690.00 | 2 |
| Schroeder & Schroeder, Inc. | \$149,750.00 | 3 |
| Alliance Contractors, Inc. | \$214,455.00 | 4 |
| Engineer's Estimate | \$118,580.80 | N/A |

Strada Construction Co. (Strada) of Addison, Illinois, submitted the lowest responsible bid of \$90,022.00, which is \$28,558.80 or approximately 24% lower than the engineer's estimated cost of \$118,580.80. Strada's reference checks from the City of Crystal Lake and the Village of Homewood were satisfactory. Additionally, Strada is a registered prequalified contractor with the Illinois Department of Transportation.

The FY 2024 budget includes \$125,000.00 under the Capital Project Funds Account No. 08-34-53-4863 for the Program. To take advantage of favorable bid pricing and to address more sidewalk as well as Curb repairs throughout the City, staff recommends awarding the contract to Strada Construction Co. of Addison, Illinois, for the 2024 Sidewalk and Curb Maintenance Program, for an amount not to exceed \$110,000.00.

ACTIONS PROPOSED:

Approve Resolution No. 24-R-0035 authorizing the Mayor to execute a construction contract with Strada Construction Co. of Addison, Illinois, for the 2024 Sidewalk and Curb Maintenance Program in an amount not to exceed \$110,000.00 (Bid Amount \$90,022.00).

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 24-R-0035

**A RESOLUTION AUTHORIZING THE MAYOR TO
EXECUTE A CONSTRUCTION CONTRACT WITH
STRADA CONSTRUCTION CO. OF ADDISON, ILLINOIS,
FOR THE 2024 SIDEWALK AND CURB MAINTENANCE PROGRAM
IN AN AMOUNT NOT TO EXCEED \$110,000.00**

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 construction contract with Strada Construction Co. of Addison, Illinois, for the 2024 Sidewalk and Curb Maintenance Program in an amount not to exceed \$110,000.00 (using the unit pricing in Strada's lowest bid amount of \$90,022.00), in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 15th day of April 2024.

AYES: _____

NAYES: _____

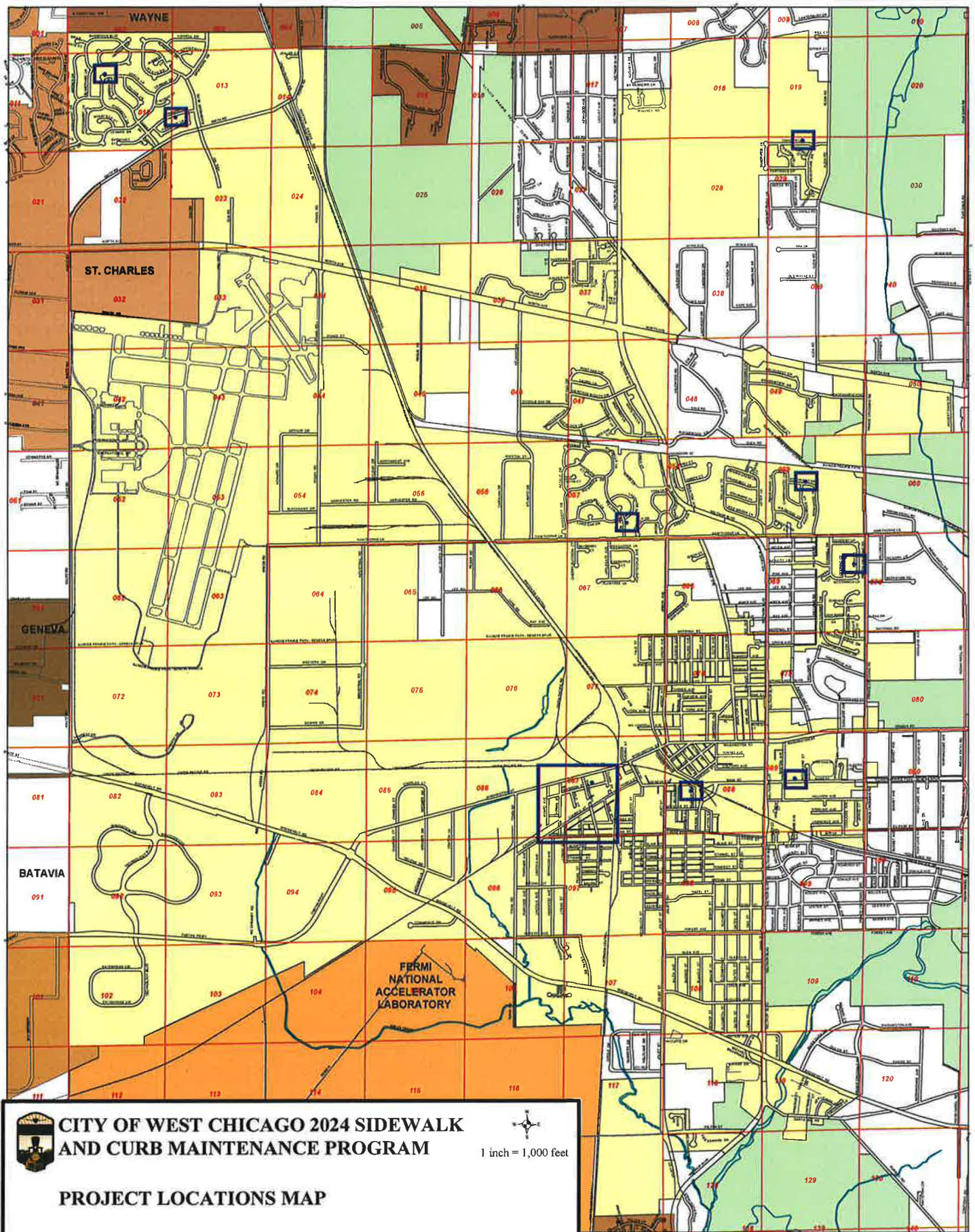
ABSTAIN: _____

ABSENT: _____

Ruben Pineda, Mayor

ATTEST:

Valeria Perez, Executive Office Manager



CITY OF WEST CHICAGO 2024 SIDEWALK AND CURB MAINTENANCE PROGRAM



1 inch = 1,000 feet

PROJECT LOCATIONS MAP

 - POTENTIAL LOCATIONS OF SIDEWALK OR CURB TO BE REMOVED AND REPLACED

| CITY OF WEST CHICAGO 2023 SIDEWALK AND CURB MAINTENANCE PROGRAM Bid Opening: March 26, 2024 @ 11:00 A.M. | | | | Engineer's Estimate | | Strada Construction Co. 1742 W. Armitage Court Addison, IL 60101 | | Davis Concrete Construction Company 11244 W. Manhattan-Monee Road Monee, IL 60449 | | Schroeder & Schroeder, Inc. 7306 Central Park Skokie, IL 60076 | | Alliance Contractors, Inc. 1166 Lake Avenue Woodstock, IL 60098 | |
|--|--|-----------|-------------------------|---------------------|--------------|--|-------------|---|-------------|--|--------------|---|--------------|
| ITEM NO. | DESCRIPTION | UNIT | ESTIMATED QUANTITY | UNIT PRICE | TOTAL | BID UNIT PRICE | BID TOTAL | BID UNIT PRICE | BID TOTAL | BID UNIT PRICE | BID TOTAL | BID UNIT PRICE | BID TOTAL |
| 1 | P.C.C. SIDEWALK REMOVAL AND REPLACEMENT (5'- 6") | SF | 3,900 | \$17.94 | \$69,966.00 | \$14.00 | \$54,600.00 | \$15.75 | \$61,425.00 | \$24.75 | \$96,525.00 | \$27.30 | \$106,470.00 |
| 2 | P.C.C. SIDEWALK REMOVAL AND REPLACEMENT (8") | SF | 100 | \$19.24 | \$1,924.00 | \$14.00 | \$1,400.00 | \$16.75 | \$1,675.00 | \$24.75 | \$2,475.00 | \$29.65 | \$2,965.00 |
| 3 | CONCRETE CURB, TYPE B (SPECIAL) | FOOT | 20 | \$67.08 | \$1,341.60 | \$50.00 | \$1,000.00 | \$55.00 | \$1,100.00 | \$100.00 | \$2,000.00 | \$87.00 | \$1,740.00 |
| 4 | TACTILE / DETECTABLE WARNING SURFACE | SF | 40 | \$52.00 | \$2,080.00 | \$23.00 | \$920.00 | \$33.00 | \$1,320.00 | \$70.00 | \$2,800.00 | \$30.00 | \$1,200.00 |
| 5 | SIDEWALK REMOVAL (NOT REPLACED) | SF | 50 | \$6.24 | \$312.00 | \$5.00 | \$250.00 | \$4.00 | \$200.00 | \$5.00 | \$250.00 | \$2.00 | \$100.00 |
| 6 | COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT (M3.12, B6.12, B6.18) | FOOT | 250 | \$69.68 | \$17,420.00 | \$49.00 | \$12,250.00 | \$59.00 | \$14,750.00 | \$75.00 | \$18,750.00 | \$178.70 | \$44,675.00 |
| 7 | AGGREGATE BASE COURSE, TYPE B, 2-INCH | SY | 100 | \$7.80 | \$780.00 | \$9.00 | \$900.00 | \$5.00 | \$500.00 | \$4.00 | \$400.00 | \$3.20 | \$320.00 |
| 8 | AGGREGATE BASE COURSE, TYPE B, 4-INCH | SY | 100 | \$11.96 | \$1,196.00 | \$9.00 | \$900.00 | \$10.00 | \$1,000.00 | \$8.00 | \$800.00 | \$6.35 | \$635.00 |
| 9 | P.C.C. DRIVEWAY PAVEMENT REMOVAL AND REPLACEMENT (6") | SY | 50 | \$164.84 | \$8,242.00 | \$126.00 | \$6,300.00 | \$135.00 | \$6,750.00 | \$175.00 | \$8,750.00 | \$279.00 | \$13,950.00 |
| 10 | HMA DRIVEWAY PAVEMENT REMOVAL AND REPLACEMENT (4") | SY | 60 | \$104.52 | \$6,271.20 | \$80.00 | \$4,800.00 | \$76.00 | \$4,560.00 | \$100.00 | \$6,000.00 | \$370.00 | \$22,200.00 |
| 11 | REMOVE AND REINSTALL BRICK PAVER | SY | 20 | \$91.00 | \$1,820.00 | \$135.00 | \$2,700.00 | \$23.00 | \$460.00 | \$180.00 | \$3,600.00 | \$360.00 | \$7,200.00 |
| 12 | TREE ROOT PRUNING | EACH | 20 | \$104.00 | \$2,080.00 | \$150.00 | \$3,000.00 | \$50.00 | \$1,000.00 | \$95.00 | \$1,900.00 | \$165.00 | \$3,300.00 |
| 13 | VALVE VAULT, MANHOLE, INLET, CATCH BASIN TO BE ADJUSTED | EACH | 2 | \$1,300.00 | \$2,600.00 | \$1.00 | \$2.00 | \$575.00 | \$1,150.00 | \$750.00 | \$1,500.00 | \$1,600.00 | \$3,200.00 |
| 14 | TOPSOIL, FURNISH AND PLACE, 4" | SY | 100 | \$12.48 | \$1,248.00 | \$1.00 | \$100.00 | \$8.00 | \$800.00 | \$20.00 | \$2,000.00 | \$20.00 | \$2,000.00 |
| 15 | SODDING, SALT TOLERANT | SY | 50 | \$26.00 | \$1,300.00 | \$18.00 | \$900.00 | \$20.00 | \$1,000.00 | \$40.00 | \$2,000.00 | \$90.00 | \$4,500.00 |
| | | BID TOTAL | As Corrected As Read | | \$118,580.80 | | \$90,022.00 | | \$97,690.00 | | \$149,750.00 | | \$214,455.00 |
| | | | | | | | \$90,022.00 | | \$97,690.00 | | \$149,750.00 | | \$214,455.00 |

MEMORANDUM

TO: Dave Shah, P.E. – Assistant Director of Public Works, City of West Chicago
 FROM: Greg Ivanauski – Project Development Engineer, Thomas Engineering Group, LLC
 DATE: March 26, 2024
 RE: Bid Proposal Evaluation – 2024 Sidewalk and Curb Maintenance Program

Thomas Engineering Group, LLC (TEG) prepares this memo to recommend a general contracting firm for performing roadway construction for the 2024 Sidewalk and Curb Maintenance Program. The work as shown in the bid documents consists mainly of sidewalk and curb removal and replacement. All quantities on the Schedule of Prices were used in determining the lowest responsible bidder.

On Tuesday, March 26, 2024, 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, Strada Construction Co., from Addison, IL, submitted the lowest overall cost proposal. Below is a table depicting the bid results:

| CONTRACTOR | BID SUBMITTAL AMOUNT | OVERALL RANK |
|-------------------------------------|----------------------|--------------|
| Strada Construction Co. | \$90,022.00 | 1 |
| Davis Concrete Construction Company | \$97,690.00 | 2 |
| Schroeder & Schroeder, Inc. | \$149,750.00 | 3 |
| Alliance Contractors, Inc. | \$214,455.00 | 4 |
| ENGINEERS ESTIMATE | \$118,580.80 | NA |

Strada Construction submitted a base bid proposal value of \$90,022.00, approximately 24.1% lower than the engineer’s estimated cost of \$118,580.80. The second lowest bid proposal, submitted by Davis Concrete Construction Company, was \$97,690.00.

The City has previously contracted with Strada Construction to perform the City’s Sidewalk Program. They were contracted to perform the City’s Sidewalk Maintenance Program in 2009, which was performed satisfactorily.

We called Strada Construction's project references and spoke directly with representatives from the Village of Homewood and the City of Crystal Lake who provided positive references on Strada Construction's behalf.

Strada 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/doing-business/procurements/construction-services/prequalification.html>

Therefore, TEG hereby recommends that the project's contract for the 2024 Sidewalk and Curb Maintenance Program be awarded to the lowest responsible bidder, Strada Construction Co., for a contract amount not to exceed \$90,022.00.

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

Enclosures: Engineer's Estimate with Bid Tabulation – 2024 Sidewalk and Curb Maintenance Program

cc: 2024 Sidewalk and Curb Maintenance Program – Project File

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:

Resolution No. 24-R-0037 – Contract Award – St. Aubin Nursery & Landscaping, Inc. – 2024 Parkway Tree Planting Program in an Amount Not to Exceed \$42,500.00

AGENDA ITEM NUMBER: 4.I.

COMMITTEE AGENDA DATE: April 4, 2024

COUNCIL AGENDA DATE: April 15, 2024

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

SIGNATURE _____

APPROVED BY CITY ADMINISTRATOR: Michael L. Guttman

SIGNATURE _____

ITEM SUMMARY:

This project consists of providing and planting 132 parkway trees in various locations within the corporate limits of the City of West Chicago.

A Notice to Bidders was advertised in the Daily Herald on March 7, 2024, as well as on an online bidding platform QuestCDN. The sealed bids were opened on March 26, 2024. Of the six plan holders only four submitted a bid. The results are below.

| Bidder name | Bid Amount | Rank |
|---|--------------------|------------|
| St. Aubin Nursery & Landscaping, Inc., Kirkland, IL | \$38,920.00 | 1 |
| Yellowstone Landscape, Roselle, IL | \$44,134.00 | 2 |
| GC Designs, Minooka, IL | \$50,820.00 | 3 |
| Langton Group, Woodstock, IL | \$51,745.00 | 4 |
| <i>Estimate</i> | <i>\$42,500.00</i> | <i>N/A</i> |

Staff contacted performance references, and all provided positive feedback and indicated they would use the company again. All indicated good quality trees and excellent work.

Staff recommends that a contract be awarded to St. Aubin Nursery & Landscaping, Inc., Kirkland, Illinois, for services related to the 2024 Parkway Tree Planting Program, for an amount not to exceed \$42,500.00. Services related to the above referenced program will be funded from the Capital Projects Fund (08-34-53-4854) in which \$42,500.00 has been budgeted for FY2024. The difference of \$3,580.00 between recommended award and bid pricing will allow the City to plant approximately twelve additional trees for a total of 144 trees using the pricing provided by St. Aubin's.

ACTIONS PROPOSED:

Approve Resolution No. 24-R-0037 authorizing the Mayor to execute a contract with St. Aubin Nursery & Landscaping, Inc., Kirkland, IL, for the 2024 Parkway Tree Planting Program for an amount not to exceed \$42,500.00 (Bid Amount \$38,920.00)

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 24-R-0037

**A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A
CONTRACT WITH ST. AUBIN NURSERY & LANDSCAPING, INC
FOR THE 2024 PARKWAY TREE PLANTING PROGRAM
IN AN AMOUNT NOT TO EXCEED \$42,500.00**

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 authorizing the Mayor to execute a contract with St. Aubin Nursery & Landscaping, Inc., Kirkland, IL, for the 2024 Parkway Tree Planting Program for an amount not to exceed \$42,500.00 (using the unit pricing in St. Aubin’s lowest bid amount of \$38,920.00), in substantially the form attached hereto and incorporated herein as Exhibit “A”.

APPROVED this 15th day of April 2024.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

Executive Office Manager Valeria Perez



City of West Chicago
 Tabulation of Bids

2024 PARKWAY TREE PLANTING PROGRAM

Date: March 26, 2024
 11:00 AM
 Opened by: Dave Shah
 Recorded by: Tom Tretowicz

St. Aubin Nursery & Lpg, Inc.
 35445 Irene Road
 Kirkland, IL 60146

Yellowstone Landscape
 250 N Garden Avenue
 Roselle, IL 60172

GC Designs Inc.
 335 Wildy Road
 Minooka, IL 60447

Langton Group
 4510 Dean Street
 Woodstock, IL 60098

| ITEMS | | Units | Quantity | Unit Price | Total | Unit Price | Total | Unit Price | Total | Unit Price | Total |
|---------------------------|---------------------------|-------|----------|------------|--------------------|--------------------|--------------------|--------------------|------------|------------|------------|
| 1 | Tulip | EACH | 17.00 | \$310.00 | \$5,270.00 | \$357.00 | \$6,069.00 | \$385.00 | \$6,545.00 | \$385.00 | \$6,545.00 |
| 2 | October Glory Maple | EACH | 15.00 | \$280.00 | \$4,200.00 | \$353.00 | \$5,295.00 | \$385.00 | \$5,775.00 | \$395.00 | \$5,925.00 |
| 3 | Fall Fiesta Maple | EACH | 15.00 | \$290.00 | \$4,350.00 | \$361.00 | \$5,415.00 | \$385.00 | \$5,775.00 | \$395.00 | \$5,925.00 |
| 4 | Hackberry | EACH | 15.00 | \$285.00 | \$4,275.00 | \$361.00 | \$5,415.00 | \$385.00 | \$5,775.00 | \$370.00 | \$5,550.00 |
| 5 | Swamp White Oak | EACH | 15.00 | \$310.00 | \$4,650.00 | \$365.00 | \$5,475.00 | \$385.00 | \$5,775.00 | \$395.00 | \$5,925.00 |
| 6 | American Hornbeam | EACH | 15.00 | \$305.00 | \$4,575.00 | \$353.00 | \$5,295.00 | \$385.00 | \$5,775.00 | \$425.00 | \$6,375.00 |
| 7 | Shademaster Amur Corktree | EACH | 10.00 | \$290.00 | \$2,900.00 | - | - | \$385.00 | \$3,850.00 | \$385.00 | \$3,850.00 |
| 8 | Eastern Redbud | EACH | 10.00 | \$290.00 | \$2,900.00 | \$395.00 | \$3,950.00 | \$385.00 | \$3,850.00 | \$425.00 | \$4,250.00 |
| 9 | Ivory Silk Lilac | EACH | 10.00 | \$290.00 | \$2,900.00 | \$369.00 | \$3,690.00 | \$385.00 | \$3,850.00 | \$370.00 | \$3,700.00 |
| 10 | Hotwing Maple | EACH | 10.00 | \$290.00 | \$2,900.00 | \$353.00 | \$3,530.00 | \$385.00 | \$3,850.00 | \$370.00 | \$3,700.00 |
| Total As Read | | | | | \$38,920.00 | \$44,140.00 | \$50,820.00 | \$51,695.00 | | | |
| Total As Corrected | | | | | \$38,920.00 | \$44,134.00 | \$50,820.00 | \$51,745.00 | | | |

CITY OF WEST CHICAGO

INFRASTRUCTURE COMMITTEE AGENDA ITEM SUMMARY

ITEM TITLE:
Resolution No. 24-R-0038 – Change Order No. 2 – Construction, Inc. for the First and Lower Level Renovation Project at 200 Main St. in an Amount Not to Exceed \$21,600.00 for a Revised Contract Value of \$1,361,600.00

AGENDA ITEM NUMBER: 4.J
COMMITTEE AGENDA DATE: April 4, 2024
COUNCIL AGENDA DATE: April 15, 24

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

SIGNATURE _____

APPROVED BY CITY ADMINISTRATOR: Michael L. Guttman

SIGNATURE _____

ITEM SUMMARY:

The City owns the four-story masonry building built in approximately 1880 located at 200 Main Street. The primary entrance to the ground floor is from Main Street while a secondary entrance to the lower level is from Turner Court. This building is currently vacant. It was previously used as a mixed use building with commercial on the lower level and ground floor, while the second and third stories of the building were used as residential.

In 2022, the City completed a structural and masonry rehabilitation on the building along with roof replacement. On May 16, 2022, the City Council approved Resolution No. 22-R-0026 to award an architectural design contract to Matocha Associates to prepare drawings and bid documents for the renovations of the first floor and lower level.

On February 20, 2023, the City Council approved Resolution No. 23-R-0007 authorizing the Mayor to award a construction Contract to Construction, Inc. for the First and Lower Level Renovation Project at 200 Main St in the Amount \$1,190,000.00. The scope of work for this project includes interior renovations of the First and Lower level along with building the backbone of the electrical, mechanical and plumbing systems for the entire building. On September 18, 2023, the City Council approved Resolution No. 23-R-0078 authorizing the Mayor to approve Change Order No.1 to Construction, Inc. for the First and Lower Level Renovation Project at 200 Main St in the Amount \$150,000.00 for a Revised Contract Value of \$1,340,000.00.

The project work began in May 2023 and is substantially complete except for electrical switch gear and ADA wheelchair installation. Both items are delayed due to supply chain backlogs. To date, the Project has run into some unforeseen circumstances as well as some necessary changes that required for completing the project. To date, thirty additional scope of work items have been identified. The first twenty change orders were part of the initial change order for \$150,000.00; however, working through the project items with the contractor, staff was able to observe change order items 21-29 as well. The following table summarizes the additional work and its associated costs to date.

| No. | Additional Work Item | Reasoning for additional work | Cost |
|-----|---|---|-------------|
| 1 | Portland Cement Concrete sidewalk and Curb & Gutter along Turner Court for ADA compliance | These items were accidentally omitted from the bidding plans | \$21,016.00 |
| 2 | Electrical Service Connection and Re-routing (Change order No. 6 – credit for | For proper hook up to the new 3-phase electrical transformer, a | \$18,353.00 |

CITY OF WEST CHICAGO

| | | | |
|----|---|---|--------------|
| | change in lighting inside the building lumped into the price) | conduit needs to be bored under Turner Court; a transformer pad needs to be installed; Changes from single phase to three phase feed for the building; credit for material change for lighting | |
| 3 | Three interior doors and hardware | The plans specifically didn't call out for three new doors for various spaces and as such were not included in the base bid. | \$10,172.00 |
| 4 | Cabinetry on Lower and First Level | Contractor claimed these items were not clear on the plans; however, this item was denied after showing specific call outs in the plans | \$0 |
| 5 | Fire Rated Glass on Turner Court elevation (refer to Change Order No. 14) | The disagreement between contractor and architect was over two of the five windows not be specifically called out as fire rated windows. Change order denied. | \$0 |
| 6 | Material Credit for Lighting fixtures | Credit of \$1,400 reflected in Change Order No. 2 for changes in the fixtures | \$0 |
| 7 | Material Credit for Square edge tile | Changed from tegular tile to square edge | \$(1,101.00) |
| 8 | Demolition of Column | Unforeseen circumstance. Hidden column was discovered during demolition | \$3,188.00 |
| 9 | Lower Level Re-configuration | After demolition of the existing walls, staff sough a field change to the design by re-configuring lower level proposed floor plan for better functionality | \$11,809.00 |
| 10 | 3-Phase AC Condensing Units | Necessary change to the AC units after switching power from single phase to 3-phase | \$2,289.00 |
| 11 | Underground Plumbing Re-routing and addition of an ejector pit | Unforeseen circumstance discovered during demolition, not enough gravity pitch to covey lower level bathrooms into existing sanitary | \$18,506.00 |
| 12 | Wood Base Trim | Aesthetic change from cove base to wood base trim on First floor. Change Order denied due to cost. | \$0 |
| 13 | First Floor – Think Brick Veneer (incorporated into Change Order No. 16) | Unforeseen circumstance. After removal of the stone façade on Main St., the underlying brick wythe, which is the continuous vertical section of the brick masonry unit, is in poor shape due to deteriorating | \$0 |

CITY OF WEST CHICAGO

| | | | |
|----|--|--|--------------|
| | | condition. Cost effective solution to install a think brick veneer over existing bricks. | |
| 14 | Windows at Fire Escape along Turner Court (see Change Order No. 5) | The architect came up with a re-design of fire sprinkler system inside the building to eliminate Change Order No. 5 and covert the proposed windows from fire rated to regular windows | (\$2,998.00) |
| 15 | Existing Steel and stairs conflict | The steel plates used to reinforce existing columns during structural rehab previously in conflict with proposed stairs from Lower level to First Level | \$6,695.00 |
| 16 | Knee Wall Demo at First Floor (included Change Order No. 13) | Unforeseen circumstance. The existing foundation wall at the First floor level along Main St is in poor structural shape, needs to be reinforced and constructed properly to support missing layer of existing brick wythe as well as support think brick veneer | \$27,514.00 |
| 17 | Lead base paint abatement | Unforeseen circumstance. The existing fire escape paint is lead based paint and requires proper mitigation and disposal. | \$15,535.00 |
| 18 | Stair and Railing – 3 rd floor to roof | Plan calls for half wall between third floor to the roof, extending to full height wall. Contractor claimed these items were not clear on the plans; however, this item was denied after showing specific call outs in the plans. | \$0 |
| 19 | Cabinet Stain | Aesthetic change from laminate finish to a stained finish for cabinets on both levels. Change Order denied due to cost. | \$0 |
| 20 | Structural Brick Cavity Infill | Unforeseen circumstance. The brick column supports along Main St have voids between wythe of brick. The voids needs to be infilled with concrete. | \$3,533.00 |
| 21 | Disconnect for Wheelchair Lift | The sole source wheelchair lift has a power disconnect switch which was not accounted for in the drawings. | \$595.00 |
| 22 | Electrical Backboxes | The exterior light fixtures required special gasketed backboxes to properly mount the light fixtures. | \$1,110.00 |
| 23 | Lift-Stairs Turner Place Lobby | Installation of railing on the stairs | \$624.00 |

CITY OF WEST CHICAGO

| | | | |
|-------|--|--|--------------|
| | | adjacent to the wheelchair lift. | |
| 24 | EM Lights in Stairwell | Fire inspector required battery backup for emergency lights on the stairwells | \$1,608.00 |
| 25 | Lower-Level Floor Flatness | Significant leveling was required of the Turner Ct floor. The contractor sought extra compensation which was denied. | \$0 |
| 26 | Furnace Condensate Lines | To run the furnace condensate lines significant distance away from the furnace through the walls. | \$1,571.00 |
| 27 | Water Heater Flue Piping and Intake Piping | The drawings called for both gas and electric water heaters. Gas water heater was installed but ventilation piping was not addressed in the drawings for a gas water heater. | \$5,722.00 |
| 28 | Roof Heat Trace Power | Roof heat trace was called for in the Roof Replacement Project to melt the snow on the roof but how to power the heat trace was not accounted for. | \$2,517.00 |
| 29 | Brake Metal at Arched Windows | The drawings were silent on how to address the arches above the rectangular windows. The contractor observed this cost after several back and forth arguments. | \$0 |
| 30 | Sprinkler Heads at 2nd & 3rd Floors | The 2 nd and 3 rd floor will not have heat until renovated. As such, fire sprinkler system will not be active. To meet the fire code in the interim, two dry sprinkler heads with isolation valves will be added to the fire sprinkler system along with smoke alarms. | \$2,850.00 |
| 31 | Smoke alarms at 2nd & 3rd Floors | Installation of smoke alarms mentioned in #30. | \$592.00* |
| 32 | Contingency | | \$20,000.00 |
| Total | | | \$171,600.00 |

*Estimated

Staff is requesting a \$20,000 contingency budget for any unforeseen circumstances to carry the Project through completion. The above referenced Project will be paid for using the Capital Projects Funds (08-34-53-4818).

CITY OF WEST CHICAGO

ACTIONS PROPOSED:

Approve Resolution No. 24-R-0038 authorizing the Mayor to approve Change Order No. 2 with Construction, Inc. of Lombard, Illinois, in an amount not to exceed \$21,600.00 for a revised contract value of \$1,361,600.00, for the First and Lower Level Renovation Project at 200 Main Street.

COMMITTEE RECOMMENDATION:

RESOLUTION NO. 24-R-0038

A RESOLUTION AUTHORIZING THE MAYOR TO APPROVE CHANGE ORDER NO. 2 WITH CONSTRUCTION, INC. OF LOMBARD, ILLINOIS, IN AN AMOUNT NOT TO EXCEED \$21,600.00 FOR A REVISED CONTRACT VALUE OF \$1,361,600.00, FOR THE FIRST AND LOWER LEVEL RENOVATION PROJECT AT 200 MAIN ST

BE IT RESOLVED by the City Council of the City of West Chicago, in regular session assembled, that the Mayor is hereby authorized to approve Change Order No. 2 with Construction, Inc. of Lombard, Illinois, in an amount not to exceed \$21,600.00 for a revised contract value of \$1,361,600.00, for the First and Lower Level Renovation Project at 200 Main St, in substantially the form attached hereto and incorporated herein as Exhibit "A".

APPROVED this 15th day of April 2024.

AYES: _____

NAYES: _____

ABSTAIN: _____

ABSENT: _____

Mayor Ruben Pineda

ATTEST:

Executive Office Manager, Valeria Perez

CITY OF WEST CHICAGO

PUBLIC WORKS

**REQUEST FOR
AUTHORIZATION FOR CHANGE ORDERS**

TO: Michael Guttman
City Administrator

Project: 200 Main Street - Lower Level and First Floor Improvements
Change Order #2

Date: 4/15/2024

Contractor: Construction Inc.

Dear Sir:

I recommend that a change be made as follows to the above contract:
An (addition, extension, deduction) will be made from Station _____ to Station _____,
a net length of _____ miles. This change revises the total length to _____ miles.

The estimated quantities are shown below. The first addition of an item not in the original contract under the fund type is indicated by asterisk (*).

| ITEM NO. | * ITEM DESCRIPTION AND UNIT | QUANTITY | UNIT | UNIT PRICE | TOTAL ADDITION/REDUCTION |
|----------|---|----------|------|--------------|--------------------------|
| 1 | Portland Cement Concrete sidewalk and Curb & Gutter along Turner Court for ADA compliance | 1 | ea | \$21,016.00 | \$21,016.00 |
| 2 | Electrical Service Connection and Re-routing | 1 | ea | \$18,353.00 | \$18,353.00 |
| 3 | Three interior doors and hardware | 1 | ea | \$10,565.00 | \$10,172.00 |
| 4 | Cabinetry on Lower and First Level | 1 | ea | \$0.00 | \$0.00 |
| 5 | Fire Rated Glass on Turner Court elevation | 1 | ea | \$0.00 | \$0.00 |
| 6 | Material Credit for Lighting fixtures | 1 | ea | \$0.00 | \$0.00 |
| 7 | Material Credit for Square edge tile | 1 | ea | (\$1,101.00) | (\$1,101.00) |
| 8 | Demolition of Column | 1 | ea | \$3,188.00 | \$3,188.00 |
| 9 | Lower Level Re-configuration | 1 | ea | \$11,809.00 | \$11,809.00 |
| 10 | 3-Phase AC Condensing Units | 1 | ea | \$2,289.00 | \$2,289.00 |
| 11 | Underground Plumbing Re-routing and addition of an ejector pit | 1 | ea | \$18,506.00 | \$18,506.00 |
| 12 | Wood Base Trim | 1 | ea | \$0.00 | \$0.00 |
| 13 | First Floor – Think Brick Veneer | 1 | ea | \$0.00 | \$0.00 |
| 14 | Windows at Fire Escape along Turner Court | 1 | ea | (\$193.00) | (\$2,998.00) |
| 15 | Existing Steel and stairs conflict | 1 | ea | \$6,695.00 | \$6,695.00 |
| 16 | Knee Wall Demo at First Floor | 1 | ea | \$35,000.00 | \$27,514.00 |
| 17 | Lead base paint abatement | 1 | ea | \$15,535.00 | \$15,535.00 |
| 18 | Stair and Railing – 3rd floor to roof | 1 | ea | \$0.00 | \$0.00 |
| 19 | Cabinet Stain | 1 | ea | \$0.00 | \$0.00 |
| 20 | Structural Brick Cavity Infill | 1 | ea | \$7,500.00 | \$3,533.00 |
| 21 | Disconnect for Wheelchair Lift | 1 | ea | \$595.00 | \$595.00 |
| 22 | RFI-022-Backboxes | 1 | ea | \$1,110.00 | \$1,110.00 |
| 23 | Lift-Stairs Turner Place Lobby RFP | 1 | ea | \$624.00 | \$624.00 |
| 24 | EM Lights in Stairwell | 1 | ea | \$1,608.00 | \$1,608.00 |
| 25 | Lower Level Floor Flatness | 1 | ea | \$0.00 | \$0.00 |
| 26 | RFI-024-Furnace Condensate Lines | 1 | ea | \$1,571.00 | \$1,571.00 |
| 27 | RFI-027-Water Heater Flue Piping and Intake Piping | 1 | ea | \$5,722.00 | \$5,722.00 |
| 28 | Roof Heat Trace Power | 1 | ea | \$2,517.00 | \$2,517.00 |
| 29 | Brake Metal at Arched Windows | 1 | ea | \$0.00 | \$0.00 |
| 30 | Sprinkler Heads at 2nd & 3rd Floors | 1 | ea | \$2,850.00 | \$2,850.00 |
| 31 | Smoke Alarm at 2nd & 3rd Floors | 1 | ea | \$592.00 | \$592.00 |
| 32 | Contingency | 1 | ea | \$20,000.00 | \$20,000.00 |

Totals \$171,700.00

Amount of Original Contract: \$1,190,000.00
 Previous Change Orders: \$150,000.00
 Net Change to Date: \$21,700.00
 % of Original Contract Price: 1.82%

State fully the nature and reason for the change:

1) These items were accidentally omitted from the bidding plans; 2) For proper hook up to the new 3-phase electrical transformer, a conduit needs to be bored under Turner Court; a transformer pad needs to be installed; Changes from single phase to three phase feed for the building; credit for material change for lighting; 3) The plans specifically didn't call out for three new doors for various spaces and as such were not included in the base bid; 4) Contractor claimed these items were not clear on the plans; however, this item was denied after showing specific call outs in the plans; 5) The disagreement between contractor and architect was over two of the five windows not be specifically called out as fire rated windows. Change order denied; 6) Credit of \$1,400 reflected in Change Order No. 2 for changes in the fixtures; 7) Changed from tegular tile to square edge; 8) Unforeseen circumstance. Hidden column was discovered during demolition; 9) After demolition of the existing walls, staff sough a field change to the design by re-configuring lower level proposed floor plan for better functionality; 10) Necessary change to the AC units after switching power from single phase to 3-phase; 11) Unforeseen circumstance discovered during demolition, not enough gravity pitch to covey lower level bathrooms into existing sanitary; 12) Aesthetic change from cove base to wood base trim on First floor. Change Order denied due to cost; 13) Unforeseen circumstance. After removal of the stone façade on Main St, the underlying brick wythe in poor shape due to deteriorating condition. Cost effective solution to install a think brick veneer over existing bricks; 14) The architect came up with a re-design of fire sprinkler system inside the building to eliminate Change Order No. 5 and covert the proposed windows from fire rated to regular windows; 15) The steel plates used to reinforce existing columns during structural rehab previously in conflict with proposed stairs from Lower level to First Level; 16) Unforeseen circumstance. The existing foundation wall at the First floor level along Main St is in poor structural shape, needs to be reinforced and constructed properly to support missing layer of existing brick wythe as well as support think brick veneer; 17) Unforeseen circumstance. The existing fire escape paint is lead based paint and requires proper mitigation and disposal; 18) Plan calls for half wall between third floor to the roof, extending to full height wall. Contractor claimed these items were not clear on the plans; however, this item was denied after showing specific call outs in the plans; 19) Aesthetic change from laminate finish to a stained finish for cabinets on both levels. Change Order denied due to cost; 20) Unforeseen circumstance. The brick column supports along Main St have voids between wythe of brick. The voids needs to be infilled with concrete. 21) The sole source wheelchair lift has a power disconnect switch which was not accounted for in the drawings. 22) The exterior light fixtures required special gasketed backboxes to properly mount the light fixtures. 23) Installation of railing on the stairs adjacent to the wheelchair lift. 24) Fire inspector required battery backup for emergency lights on the stairwells. 25) Significant leveling was required of the Turner Ct floor. The contractor sought extra compensation which was denied. 26) To run the furnace condensate lines significant distance away from the furnace through the walls. 27) The drawings called for both gas and electric water heaters. Gas water heater was installed but ventilation piping was not addressed in the drawings for a gas water heater. 28) Roof heat trace was called for in the Roof Replacement Project to melt the snow on the roof but how to power the heat trace was not accounted for. 29) The drawings were silent on how to address the arches above the rectangular windows. 30) The 2nd and 3rd will not have heat until renovated. As such, fire sprinkler system will not be active. To meet the fire code in the interim, two dry sprinkler heads with isolation valves will be added to the fire sprinkler system along with smoke alarms. 31) Smoke alarms mentioned in item 30 above. 32) Contingency

When the net increase or decrease to the contract exceeds \$10,000 or the time of completion is increased or decreased by 30 days or more, one of the following statements shall be checked.

- The undersigned determine that the circumstances that necessitate this change were not reasonably foreseeable at the time of the original contract.
- The undersigned determine that the circumstances that necessitate this change were not within the contemplation of the contract as signed.
- The undersigned determine that this change is in the best interest of the local agency and is authorized by law.

Date: April 15, 2024
Approved:

Date: April 15, 2024
Attest:

Mayor Ruben Pineda

Executive Office Manager, Valeria Perez