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ADDENDUM NO. 1

DATE: November 7, 2022

FROM: Baxter & Woodman, Inc., Consulting Engineers

TO: Planholders of record for the Work titled:

City of Joliet, Illinois
Collins Street Water Main Improvements
City of Joliet Contract No. 2681-0123

The Bidding Documents are amended as follows:

1. SPECIFICATIONS

   A. Section 00 11 13, ADVERTISEMENT FOR BIDS:

      Delete Section 00 11 13, ADVERTISEMENT FOR BIDS in its entirety and insert the attached ADVERTISEMENT FOR BIDS, revision dated November 7, 2022 in lieu thereof in order to add the City of Joliet Contract number to Paragraph 1 Time and Place of Opening Bids.

   B. Section 01 32 53, DIGITAL UTILITY DATA COLLECTION:

      Delete Section 01 32 53, DIGITAL UTILITY DATA COLLECTION in its entirety and insert the attached DIGITAL UTILITY DATA COLLECTION section, revision dated November 7, 2022 in lieu thereof.

Nothing in this Addendum shall be construed as changing other requirements of the Bidding Documents. Each Bidder shall acknowledge receipt of this Addendum where indicated in the Bid Form.

END OF ADDENDUM NO. 1

00 11 13

ADVERTISEMENT FOR BIDS

CITY OF JOLIET, ILLINOIS
CITY OF JOLIET CONTRACT NO. 2681-0123

1. Time and Place of Opening Bids. Sealed proposals for the construction of the City of Joliet Contract No. - 2681-0123 - Collins Street Water Main Improvements for the City of Joliet, Will County, Illinois, will be received at the Office of the City Clerk, City of Joliet Municipal Building, 150 West Jefferson Street, Joliet, Illinois 60432 until 2:00 P.M., December 13, 2022, and at that time will be publicly opened and unit price total read aloud. It is highly recommended that bids be tabbed to mark the Bid Bond and unit price total pages. It is required that an electronic copy of the entire submission be included on a USB flash drive. Those in attendance must adhere to the current City of Joliet City Hall COVID-19 policy. The City of Joliet follows current CDC guidelines regarding COVID-19. Bid results will also be posted on the City's website, and emails sent out to individuals who have subscribed to the related RSS feed. It is preferred that you mail your bids/proposals. They should be addressed as follows:

CITY OF JOLIET – SEALED BID ENCLOSED
OFFICE OF THE CITY CLERK
150 W. JEFFERSON ST.
JOLIET, IL 60432

If you do choose to hand deliver your bid/proposal, they are to be hand delivered to the East or West side of City Hall, 150 W. Jefferson St., Joliet, IL 60432 and marked clearly on the outside of the SEALED package with the BID NUMBER AND NAME OF THE PROJECT, DATE AND TIME OF THE BID OPENING, NAME AND ADDRESS AND PHONE NUMBER OF YOUR COMPANY, and RECEIPT OF ALL ADDENDA (if applicable). All other doors will be locked. Please make sure to mention you are delivering a sealed bid/proposal, so the receiver knows to time stamp the envelope upon receipt. If dropping off a bid in person, bids must be dropped off during business hours only between 8:00 A.M. and 4:30 P.M.

2. Description of Work. The proposed construction consists of installing approximately 170 lineal feet of 6-inch, 1,290 lineal feet of 8-inch, 510 lineal feet of 12-inch, and 4,830 lineal feet of 16-inch water main, including new hydrants, valves, and other miscellaneous items of work. The contract will include all work necessary to install the water main, install water service lines via directional drilling or open cut methods, reconnect existing water service lines, restore the roadway, and perform all restoration to return the area to its original condition.

3. Information for Bidders. Any contract or contracts awarded under this invitation for bids are expected to be funded in part by a loan from the Illinois Environmental Protection Agency (IEPA). Neither the State of Illinois nor any of its departments, agencies, or employees is or will be a party to this invitation for bids or any resulting contract. The procurement will be subject to regulations contained in the procedures for issuing loans from the Public Water Supply Loan Program (35 IAC Part 662), the Davis-Bacon Act (40 USC 276a through 276a-5) as defined by the United States Department of Labor, the Employment of Illinois Workers on Public Works Act (30 ILCS 570), the Illinois Works Jobs Program Act Apprenticeship Initiative, the Disadvantaged

Business Enterprise policy per 40 CFR Part 33, as amended, and the “Use of American Iron and Steel” requirements as contained in Section 436 of H.R. 3547, the Consolidated Appropriations Act, 2014. This procurement is also subject to loan recipient's policy regarding the increased use of disadvantaged business enterprises. The loan recipient's policy requires all bidders to undertake specified affirmative efforts at least sixteen (16) days prior to bid opening. The policy is contained in the specifications.

Bidders are also required to comply with the President's Executive Order No. 11246, as amended. The requirements for Bidders and Contractors under this order are explained in 41 CFR 60-4. The City of Joliet Local Bidders Ordinance does not apply to this contract.

All pertinent documents may be examined at the Office of the City Clerk, City of Joliet Municipal Building, 150 West Jefferson Street, Joliet, Illinois 60432 between the hours of 8:00 A.M. and 4:30 P.M., Monday through Friday. Hard copies will not be available for purchase. Electronic copies of the Bidding Documents can be downloaded free of charge at https://www.joliet.gov/government/departments/purchasing/bids-proposals.

Contractor(s) shall pay prevailing wages at rates not less than those under Davis-Bacon Wage Act Provisions as determined by U.S. Department of Labor to all laborers, workmen and mechanics performing work under this contract.

All Bidding Document holder should sign up for RSS feeds at https://www.joliet.gov/government/departments/purchasing/bids-proposals/construction-public-utilities and provide first and last name and email address to automatically receive addendums. Addendums will also be posted on the City of Joliet’s website at https://www.joliet.gov/government/departments/purchasing/bids-proposals. The potential Contractor remains responsible for obtaining all addenda to the original specifications and should check the specific bid page before submitting a bid to ensure they have received all addenda.

Prequalification pursuant to Ordinance No. 7345 is necessary. Bidders are required to be pre-qualified through the Illinois Department of Transportation, the Capital Development Board or the City of Joliet. It is the responsibility of the bidder to ensure that their pre-qualification information is provided to the City of Joliet Purchasing Division prior to the bid opening. If bidders are not prequalified through IDOT or Capital Development Board, then they must be prequalified with the City of Joliet. Financial prequalification forms can be obtained from the City of Joliet website at https://www.joliet.gov/government/departments/purchasing/prequalification-process. This prequalification MUST be renewed yearly. To check on your current prequalification status, you can contact purchasing@joliet.gov. The current price for City of Joliet prequalification is $175, which offsets the costs for independent auditor review of the documents. Those documents are to be submitted to the Purchasing Division, City of Joliet, 150 West Jefferson Street, Joliet, IL 60432 at least 6 days prior to the bid opening

If at the time the Agreement for this Project is executed, or if during the term of the Agreement, there is excessive unemployment in Illinois as defined in the Employment of Illinois Workers on Public Works Act, 30 ILCS 570/0.01 et seq., as two consecutive months of unemployment exceeding 5%, the Bidder agrees to employ Illinois laborers in accordance with the “Employment of Illinois Workers on Public Works Act”. An “Illinois laborer” is defined as any

person who has resided in Illinois for at least thirty (30) days and intends to become or remain an Illinois resident.

All proposals are subject to the requirements of the City of Joliet Procurement Code (Section 2-430 – 2-453) of the Bidder Instructions.

All Bids must be accompanied by a Bidder's bond, certified check, bank cashier's check or bank draft payable to the City of Joliet for ten percent 10% of the total amount of the Bid as provided in the Bidder Instructions.

A **mandatory** Pre-Bid Conference of all prospective Bidders and/or their representatives will be held on November 10, 2022 at 10:00 A.M at City of Joliet East Side WWTP, 815 Adler Street, Joliet, Illinois 60436. Bidders are **required** to attend and participate in the conference.

Direct all questions about the meaning or intent of the Bidding Documents to the Engineer Peter Kozak (pkozak@baxterwoodman.com).

4. Rejection of Bids. The Council reserves the right to reject any or all Bids and to waive technicalities. Unless the Bids are rejected for good cause, award of contract shall be made to the lowest responsible and responsive Bidder.

Advertisement Date(s): Herald News, October 27, 2022

James V. Capparelli, City Manager

Dawn A. Kochan, Purchasing/Contracts Administrator

END OF ADVERTISEMENT FOR BIDS

SECTION 01 32 53

DIGITAL UTILITY DATA COLLECTION

PART 1 - GENERAL

1.1 SUMMARY

A. The purpose of this specification is to provide real-time utility and infrastructure asset data for delivery into the City of Joliet's Geographic Information System (GIS). The Contractor is required to utilize GPS equipment to obtain project data points, assets, and real-time as-built utility information during construction.

1.2 SUBMITTALS

A. Shop Drawing Submittals – (Reserved).

B. Operation and Maintenance Manuals – (Reserved).

C. Certificates and Guarantees – (Reserved).

D. Spare Parts – (Reserved).

1.3 QUALITY ASSURANCE – (Reserved).

1.4 DELIVERY, STORAGE, AND HANDLING – (Reserved).

1.5 SITE CONDITIONS – (Reserved).

1.6 MAINTENANCE – (Reserved).

PART 2 - PRODUCTS

2.1 EQUIPMENT

A. The City of Joliet will provide one complete GPS unit setup without a cellular device for each project.
   1. A deposit of $7,500 in the form of cashier's check will be required and will be returned to the Contractor once the unit has been returned in good working order.
   2. The Contractor shall be responsible for providing a dedicated smart phone or tablet with 5G cellular connectivity for the GPS unit.

B. The Contractor has the option to provide their own GPS units.
   1. Equipment requirements for data collection shall include GPS Rovers that meet the minimum accuracy and real-time GIS integration requirements. Equipment used to collect this data shall be properly calibrated and capable of meeting a minimum accuracy of 10 mm horizontally and 20 mm vertically (Trimble R2, DA2, or equal).

2. Only one GPS unit will be provided by the City. For multiple, simultaneous data collection operations with GPS, the Contractor may potentially need to provide multiple GPS units to collect required data.
3. Additional GPS rentals are available from the following provider: Baxter & Woodman, Inc., Attn: Matt Washkowiak 815.301.7415. The cost for these services are not included in this project. The GPS provider shall be contacted for fees related to this service, if needed.

C. The GPS equipment shall integrate and utilize the Esri ArcGIS Field Maps Application (downloadable from App Store and Google Play) with an Agency provided Project Map. The Contractor will provide real-time connectivity and data updates using a cellular data connection with the GPS unit. GPS units must be able to deliver real time, cellular networked data to an ESRI ArcGIS Online portal established by the Engineer. The Contractor will have access to collected data and can utilize this GIS information to assist them throughout the project. The Contractor will use a City provided ESRI license.

D. The contractor will be responsible for successful operation of the GPS unit and data upload to the City's GIS database (including all necessary training, support, storage, maintenance, charging, and related operational requirements). City staff will not provide technical support of the GPS units.
1. Baxter & Woodman will provide a 2-hour training session at the start of construction and support for up to 4-hours per month.
2. Additional GPS rental, setup, support, GIS integration, and training beyond the specified allotment is available from the following provider: Baxter & Woodman, Inc., Attn: Matt Washkowiak 815.301.7415. The cost for these services are not included in this project and the provider shall be contacted for fees related to this service, if needed.

PART 3 - EXECUTION

3.1 STANDARDS OF DATA COLLECTION

A. The Contractor shall utilize and maintain the GPS equipment in accordance with manufacturer and local agency recommendations.

B. Contractor shall obtain survey data during or immediately after installation of the utility. For open trench and exposed water main or sewer utilities, data points shall be obtained at intervals of 50 feet and at directional changes with a minimum of 2 points. Utilities that are bored (trenchless) will be surveyed at the exposed pit locations at both ends and along the boring route with depths manually inputted every 10 feet from the above ground locating devices. For water and sanitary services, data points shall be obtained at intervals of 10 feet and at directional changes with a minimum of 2 points.

C. Data collection with the GPS device shall be completed by the contractor on a real-time basis as the project is being constructed. The contractor shall verify that data is being collected real-time with a provided GIS portal (simple website link) on a regular basis, no less than two times per day.

D. GPS control points will be provided at the project start-up, and the contractor shall check in daily (beginning of day) to verify and maintain calibration of the device.

E. At least 95% of collected data must meet GPS accuracy requirements. As a production guideline to the Contractor, GPS data collection may require occupying a point for 1-minute to gather the desired accuracy. If any point needs to be occupied in excess of 5-minutes to obtain the desired accuracy, the Contractor will note that shot in the data collection application, inform the Engineer, and move on to the next location. No point shall be occupied for more than 5-minutes.

3.2 DATA COLLECTION FEATURES

A. The following features are anticipated and designated to be collected by the contractor during construction for the purpose of delivering GIS Digital As-Builts:
   1. Water main, services, fittings, valves, hydrants, meters, corporation stops, curb stops, structures, b-boxes, and related features (horizontal, vertical elevation top of pipe, sizes, model data)
      a. In the event that polywrap is observed to not be properly installed on ductile iron pipe, the contractor will be required to take photos of all installed ductile iron pipe to verify that polywrap is properly installed. Photos shall be provided (within Field App) as determined by the Engineer.
   2. Proposed sanitary sewer, services, manholes, cleanouts, and related features (horizontal, vertical elevation top of pipe, sizes, model data)
   3. Proposed storm sewer, structures, and related features (horizontal, vertical elevation top of pipe, sizes, model data)
   4. Exposed Sanitary Services (horizontal, vertical elevation, sizes, regardless of type)
   5. Proposed Manhole and Structure attributes (horizontal, vertical elevation, depth, sizes, rims, inverts)
   6. Connections to existing utilities
   7. Any other proposed or modified underground utility work or related feature

B. Final GPS survey code and data input requirements will be provided at project start-up.

3.3 DATA ACCEPTANCE

A. The Contractor will be responsible for obtaining all designated features and verify collection standards are being met. If data has been found to be missing or omitted, the Engineer will notify the Contractor to obtain that data as deemed necessary, including the option to excavate, expose, and collect the missing information at no additional expense to the owner.

B. The Engineer shall verify within the Local Agency's GIS quality reviewer that all data has been collected satisfactorily prior to payment for this item. Failure to do so will be grounds for denying the pay request. If, at any time, the Contractor fails to perform this work, the Engineer reserves the right to utilize an outside provider and deduct any expense from the contract due to perform the work.

C. The Contractor shall be fully responsible for the safe and efficient gathering of data and use of equipment. No additional compensation shall be provided from any delays resulting from the operation and performance of Digital Data Collection.

3.4 SUBMITTALS

A. Digital Data Collection will be conducted real-time during construction and visible with the ArcGIS Online portal. No final GIS package delivery will be required of the contractor.

B. The Engineer will finalize data collection by completing final utility connected linework for the purpose of delivering GIS shapefiles compatible with ESRI supported GIS. Utility lines connected shall include all identified attributes. If needed, the Contractor will assist the Engineer and clarify final pipe data and connections within GIS.

C. The Contractor may utilize data in the portal to estimate quantity computation and the progress of work.

END OF SECTION