

Pre-Bid Meeting (non-mandatory) August 20, 2020
21 ½ Road (I Rd. to Brookfield Sub)
12-inch Waterline Extension Project Description:

- Approx 755 LF of 12-inch DR18 C900 and domestic di fittings as indicated on the Contract Documents.
- 2 Service main reconnection (Bid Item 7a-7b): 12-inch stub outs in I Road (both directions), and connection to the existing 2-inch in I Road. Blowoff assemblies and mechanical disinfection (swabbing) as necessary to disinfect.
- Water services will be connected to these mains (Bid Item 6a-6b). The District has a note regarding the appropriate pipe service saddle (brass top with stainless bands). Surface restoration related to Bid Item 6 should be included there, as indicated in the Schedule of Values.
- 1 new fire hydrant assemblies is proposed. Bid Item 8 includes: trench excavation, backfill, concrete blocks and thrust blocks, surface restoration, hydrant assy.
- The entire length of trench excavation and backfill is Class 1 as shown on dwgs and described specifications and in bid schedule (see addendum). Class 1 involves excavated native material removed offsite. Class E pit run import should be placed/compacted in trench zone. All pipe zone material for this project will be Class B or C. Select aggregate base course compacted 12-inch thick under asphalt and 6-inch thick on shoulder (Bid Item 2a-2b).
- Bid item 4a & 4b is for asphalt surface restoration; full depth and mill and overlay, respectively for the proposed water main installation. Other surface restoration is included separately under the appropriate bid item.
- Bid Item 3 – Engineering-Directed Material to be used only as directed by Engineer for various purposes, but generally to address/improve unsuitable subgrade and provide foundation stabilization. The District is not performing this work even though the unit prices have been filled into the bid schedule; rather, this is the unit price the District will pay for base, pit run, and rock. These unit prices are above the average observed from previous bids. It's acceptable to the District and more than reasonable for the Contractor. We have tried leaving this bid item out and negotiate pricing which hasn't always worked well; we have tried making the qty small so the extended price has little effect on the total bid amount, but that isn't cost effective for the District either.
- The District provided the results of a significant subsurface investigation of existing utilities along our proposed alignment which are shown on the P&P sheets.

- During the potholing investigation, no indications of groundwater within our exploration was observed. However, historical experience has shown saturated conditions at approximately 5' of depth (within bottom of trench zone). All equipment, labor and materials required by the contractor to manage/mitigate groundwater conditions during all phases of construction shall be considered incidental to the work. Any necessary discharge permitting is the responsibility of the contractor to obtain and maintain.
- The Districts general opinion of construction sequence is to connect to the existing 12-inch at the Brookfield Subdivision and lay north to I Road. With necessary temporary service connections; valving to facilitate performing successful QA/QC; re-connecting existing mains and services; abandonment of existing facilities; site restoration; etc.
- The District has included an adder for flaggers on the bid schedule to address traffic control. A reminder that the County requires 5 working days of message board notification for road closures (I Road intersection).
- The Contractor should bid every item on the schedule of values.

Project Milestones:

- Bid Date: August 29, 2020 at 2pm
- Notice-of-Award within 10 days, Notice-to-Proceed once Contract, Insurance, Performance & Payment Bonds rec'd
- Anticipated Construction is September/October.
- Substantial Completion: October 30, 2020
- Final Completion: November 13, 2020

Construction Staking

- Owner may provide construction staking as needed; ie fittings, grade critical locations, and other areas as necessary. The District can stake the limits of asphalt removal.
- Contractor must provide necessary QC Surveying to assure construction within tolerances described in the Contract Documents.

Easements

- N/A all of the Project is within the MC ROWs

Access Roads & Staging Area

- Staging Areas will be the Contractor's responsibility.

Project Water

- Ute Water will have project water available at no charge to the Contractor for loading the mainline, soil moisture-conditioning, dust control, and road maintenance as necessary using one of the existing appurtenances on our water system adjacent to the work area as approved by the District.

- The Contractor must provide labor and equipment necessary to use the water. The water truck must have an approved backflow prevention device.
- Water for flushing the main will be available. We would assume connect both ends with necessary means of loading & evacuating air; flush both directions to an opposite side fire hydrant and the blow offs.

Project Permits

- Owner will obtain the necessary MC ROW Utility permits. Please submit your traffic control plan ASAP.

Subsurface Conditions

- Existing utilities depicted based on best information available from subsurface investigation; test hole (TH) information is quality level A & B; SS and Storm are quality level B based on engineering judgement not geophysical or pothole methods; other utilities depicted are quality level C & D – not fully investigated due to proximity of proposed construction.

Traffic Control

- Lori Seeley (MC)

QA/QC

- The Contractor shall chlorinate the main line and appurtenances as necessary to obtain a minimum chlorine residual in accordance with the Contract Documents.
- Owner will provide bacteriological laboratory sampling of the water from the main after flushing at multiple locations as necessary. If the presence of a bacterial indicator exists, additional chlorination or flushing could be required at no expense to the Owner.
- After successful bacteriological testing, the Contractor shall perform a field hydrostatic pressure test of the system for 4 hours within the allowable leakage described in the Contract Documents at the low point.
- Owner will hire a qualified materials testing firm to provide: laboratory and field testing of backfill material including soils, concrete, asphalt, and etc.

Submittals

- Owner will review submittals and provide comments in a timely manner.

Addendum Items

- Addendum No.1 – Class 1 trench for the entirety of project.

Other

- Owner will not require record drawings from the Contractor.

Contractor Questions

- Please submit all questions by then end of Monday, August 24th.

Utility Owners

- Gas – Xcel Energy
- Electric – Grand Valley Power
- Sewer – City of Grand Junction
- Phone – Century Link
- Cable – Charter
- Irrigation –

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