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## **PRE-BID MEETING (MANDATORY): 18 MARCH 2024**

### **10 RD (Q RD TO R RD) WATERLINE REPLACEMENT PROJECT: D01-24**

#### **Project Description:**

- Approximately 6300 LF of 8-inch C900 PVC pipe with domestic DI fittings as indicated on the Contract Documents (Bid Item 5).
- Trench excavation and backfill (Bid Item 2a) is Class I and Class II as shown on the drawings and described in the specifications and bid schedule. Class I excavation/backfill removes native material from site. Class E pit run import should be placed and compacted in trench zone. When approved by the Engineer, Class II excavation/backfill is acceptable (Bid Item 2b). Class II trench excavation and back fill will include Type A, B or C in pipe and embedment zone with haunching and backfill of trench zone with suitable native excavated material (moisture-conditioned and compacted to 95%). Excavated unsuitable native material shall be removed offsite. Native material that is too wet to meet compaction requirements may require import material, but this is not reimbursed by Bid Item 3.
- Bid Item 3 – Engineering-Directed Material shall be used only as directed by Engineer for various purposes; generally, to address/improve unsuitable subgrade and provide foundation stabilization. The District is not performing this work even though unit prices are given in the bid schedule; rather, these are the prices the District will pay for base, pit run and rock when stabilization is needed. Reimbursement rates have been raised to reflect recent changes in market value and are reasonable to the District.
- Bid Items 4a-c are surface restoration. 4a and 4b are full depth and mill & overlay, respectively, where the pipe is under the existing road surface. 4c uses Class C and is for shoulders and gravel driveways.
- Bid Item 6 includes water service connection to the new water main. Pipe service saddle should include brass top with stainless bands. Surface restoration related to service connections is included in Bid Item 6 as indicated in the Schedule of Values.
- Bid Item 7 includes 3 new fire hydrant assemblies. Assembly includes trench excavation, backfill, concrete blocks and thrust blocks, surface restoration and hydrant assembly. This line item does not include the reconnection of the hydrant at Sta 47+80 (included in Bid Item 5). The original Schedule of Values showed 4 new hydrants. Addendum 1 will correct this error.

- The District has included an adder for flaggers on the bid schedule to address traffic control (Bid Item 8).
- The District provided the results of subsurface investigation of existing utilities along the proposed alignment which are shown on the P&P sheets. Additional Engineer-directed potholing is provided in Bid Item 9.
- During the potholing investigation there was no obvious indication of groundwater within our excavation. All equipment, labor and materials required by the Contractor to manage/mitigate groundwater 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 contractor shall bid every item on the Schedule of Values.
- The Contractor is responsible for construction sequence, methods and connections. The construction sequence described in the Construction Notes (Sheet 3) is a suggestion only. Ute Water thinks an initial temporary connection across the intersection at 10 Rd and Q Rd benefits the contractor for use to fill and flush the new main, as well as maintaining flows to the 8 Rd water tank. If the Contractor elects different methods, those methods shall maintain flow to the 8 Rd water tank at all times.

#### Project Milestones:

- Bid Date: 4 April 2024 at 2 p.m.
- Notice of Award within 10 days.
- Notice to Proceed issued once Contract, Insurance & Payment Bonds are received and upon coordinating the construction schedule.
- Substantial Completion: within 60 calendar days of date of Notice to Proceed and no later than 13 September 2024.
- Final Completion: Within two (2) weeks of date of Substantial Completion and no later than 27 September 2024.

#### Construction Staking:

- Owner may provide construction staking as needed (e.g. 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:

- All work is within Mesa County ROW.

#### Access Roads & Staging Area:

- Staging areas and access are the responsibility of the Contractor.
- Access to business and residences must be maintained at all times.

#### 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. Water truck must have an approved backflow prevention device.
- Water for flushing the main will be available. We assume connecting both ends with necessary means of loading and evacuating air; flush both direction to opposite side of fire hydrant.

#### Project Permits:

- Owner will obtain the necessary Mesa County ROW Utility permits. Please submit traffic control plan ASAP.
- Road closures to through traffic must be coordinated with Mesa County.

#### Subsurface Conditions:

- Existing Utilities depicted based on best available information from subsurface investigation. Pothole (PH) information is quality level A & B. Storm Sewer data are quality level B based on engineering judgement and survey, not geophysical or pothole methods. Other utilities depicted are quality level C & D – not fully investigated due to proximity of the proposed construction.
- **The existing asphalt in 10 Rd is known to be thick (between 9 and 12 inches) based on recent repairs and pothole activities. Replacement asphalt shall be standard depth and base per Mesa County specifications.**

#### QA/QC:

- The Contractor shall chlorinate the main line and appurtenance 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 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, asphalt, etc.

#### As-Built Documents:

- Owner will not require record drawings from the Contractor. The Contractor shall coordinate with Owner through out the work to ensure that staff can record as-built survey data in accordance with CI/ASCE 38 and the Colorado 811 Law.

#### Submittals:

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

#### Addendum Items:

- Addendum No. 1 will be published Tuesday, 2 April 2024.
- Questions are due in writing by 5 p.m. Monday, 1 April.
- Items so far: Adjust SOV quantities of Class I and II Backfill (Bid Item 2); correct quantities of new hydrants to three (3); question/answer from bidders and suppliers.

#### Utility Owners:

- Gas

- Electric - GVP
- Sewer - NA
- Phone
- Cable
- Irrigation – Grand Valley Water Users Association

Question/Answer:

1. Is fiber located along the entire length of the project?
  - a. Fiber was located with telcomm without distinction. Please refer to plans for known utility locations.
2. Landowner asked if water will be off for the duration of the project.
  - a. No. There will be a few short-duration shutoffs throughout the project, but water service should otherwise be available.
3. Does asphalt patching (mill and overlay) need to go to the centerline of the road?
  - a. The seam of the asphalt patch must not lay in the wheel path. The design intent was to keep the trench as close to the edge of asphalt as possible to allow the seam to be at the center of the lane. If space allows, the pipe may be laid in the shoulder instead of under the asphalt to minimize disturbance of asphalt.
4. Can the new line be on the west side, or in the west lane of the road?
  - a. No. This alternative was investigated during design and eliminated in favor of the alignment in the plans.
5. Is there irrigation on this project?
  - a. There is an irrigation crossing at Q Rd. Please refer to the plans for known utility conflicts.