

N-S CONNECTOR AT 30 RD (PHASE 3) Project Description:

- Approx 4,400 LF of 18-inch DR18 C900 and domestic di fittings starting south of Patterson near the School; connecting to the existing north bank GVIC Xing; connecting south bank GVIC Xing and continuing toward I70B.
- Connections at these four locations are planned to ex. 18-in C905 via solid sleeves.
- Removing 18-inch pccp to install new 18-inch C900 (Bid Item 13).
- Installation of a 4-inch AR/AV per detail M sheet 21 north bank of GVIC canal (Bid Item 12).
- Installation of two 18-inch inline BFV with 6-inch bypass ea side of GVIC (Bid Item 9).
- Three 8-inch domestic waterline connections to the proposed 18-inch (Bid Item 6).
- Approx 2150 LF of 8-inch C900 DR18; 650 LF of 4-inch C900 DR18; and 900 LF of 2-inch Sch40 pvc. Connections of these mains to ex mains are shown on dwgs and Bid Item 7).
- Water services will be connected to these mains (Bid Item 8); 4 new fire hydrants are proposed on 8-inch mains (1 of which connected to ex main; wet tap by Ute with coordination).
- The District performed potholing and investigation to understand the location of existing utilities at proposed Xings in an attempt to meet the requirements of the SUE.
- The District has a line item for potholing to compensate for additional investigation (Bid Item 11).
- The entire project is proposed under asphalt; Class I trench with import all three zones (pipe, trench and asphalt subgrade) Bid Item 2 (excavation & backfill) & Bid Item 4 (asphalt restoration) both are for pipe mainline. Note that earthwork and surface restorations for services; connections; and fire hydrants should be included in those bid items. Bid Item 4c is concrete restoration for v-pan and sidewalk for mainline Xings.
- Note 18 sht 2 describes the Districts opinion of construction sequence which is to construct parallel domestic mains (8", 4", 2") first (please understand there are connections to existing mains that may require coordination with the District for wet tap or similar). Construct 18-inch main after QA/QC and domestic mains are in-service from north to south.
- The District will discuss the traffic control requirements with the City, County, and traffic control companies to try to understand their requirements. Traffic control is the Contractor's responsibility.
- Installation is within CJ City & Mesa County; asphalt replacement limits as shown on P&P; detail sheet and schedule of values.
- During subsurface utility investigation, groundwater was never observed to the depths shown on the drawings. 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 Contractor should bid every item on the schedule of values.

Project Milestones:

- Bid Date: May 23, 2019 at 2pm
- Notice-of-Award within a week, Notice-to-Proceed once Contract, Insurance, Performance & Payment Bonds rec'd
- Anticipated Construction Start is early June.
- Substantial Completion: August 30, 2019
- Final Completion: September 13, 2019

Construction Staking

- Owner may provide construction staking as needed; ie fittings, grade critical locations, cathodic test stations 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 or GJ City 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 the 18-inch 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.

Project Permits

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

Subsurface Conditions

- As built records of previous road improvements indicate that geo grid and cloth were used with agg base coarse to stabilize the road. Discussions we had with Laura Page indicate that bringing in an import pit run material for the trench zone and 12-inch of agg base coarse is acceptable in lieu of restoring/replacing their system. We have indicated this in our trench detail; please carefully remove their system as needed in the excavation so it continues to meet its intended purpose.

Traffic Control

- Tim Patty (GJ) / 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. 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.
- ~~The Contractor shall test the cathodic protection installations in the presence of the Engineer. The test include:~~
 - ~~A. Pipeline Electrical Continuity Testing~~
 - ~~B. Insulated Pipe Flange Testing~~
 - ~~C. Initial Reference CP Potential Measurements~~
 - ~~D. Cathodic Protection Bonding Cable Strength Testing~~

Submittals

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

Addendum Items

- Addendum No.1 –

Other

- Owner will not require record drawings from the Contractor

Utility Owners

- Gas – Xcel Energy
- Electric – Xcel Energy
- Sewer – GJ City
- Phone – Century Link
- Cable – Charter
- Irrigation – GVIC