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NOTICE TO CONTRACTORS

BID #0809-125

North-South Water Transmission Main Project-Phase I
Labor Commissioner PWP#CC-2010-100
Public Works Project No. 4.0810
Engineer's Estimate: \$2,300,000.00
ARRA Funded

December 31, 2009

Addendum No. 2

Please make the following additions/changes to the above referenced project.

1. The date, time and place for receiving bids remains unchanged.
2. Make the following changes in the Bid Response:
 - 2.1 Add new Bid Item;

Description:	BP.7, (or as required) New 24" C905, DR-25 165 PSI Fusible PVC pipe from Station 40+50 to Station 59+19 on Sheets C12 to C15.
Scheduled Value:	1,869
Unit:	LF
 - 2.2 Page SC-7, Add new Bid Item Description, 5.10.10 under "Description of Bid Items":
5.10.10 New 24" Water Main using only C905, DR-25 165 PSI Fusible PVC Pipe:
 - A. Measurement of this item will be on a Lineal Foot basis.
 - B. Payment for installing this item will be made at the unit price named in the Proposal Summary, which price shall constitute the installation of all new 24" PVC pipe using C905, DR-25 165 Fusible PVC pipe ONLY, including all excavation, bedding and backfill material, fittings and valves (if required), line location wire, warning tape, angle point markers, air release valves, asphalt, soil compaction, SWPP requirements and all other miscellaneous appurtenances as per the drawings and specifications.
 - 2.3 Make the following changes to the Schedule A of the Bid Response, Page BP-2;

Reduce the Scheduled Value of BP.4 from 9,480 LF to 7,611 LF.

3. Make the following changes to the Technical Specifications:

Page 27 of 103 Document No. 2011 Butterfly Valves, Table under section 1.2:

Valve Body and Disc shall be Cast Iron

4. Make the following changes in the Drawing Sheets:

A. Sheet C20/26. Air Release Detail 1/20;

The PE Supply line, ARV, Flood safe device and all plumbing internal to the design shall be 2". Box shall be upsized to 24" x 36".

B. Sheet C11/26. Pipeline Profile and the Limits of the Directional Bore;

The installation of the 24" C905, DR-25 165 PSI Fusible PVC pipe to be installed using a directional bore shall begin at Station 30+75 and end at Station 33+00. A 2" ARV will be installed at the high point on the 24" line near station 33+00.

C. Sheet C20/26. Additional Details and Construction Notes;

The attached detail (C-3.1.2) and construction notes (NDEP Bureau of State Drinking Water Vertical Crossing Conflicts Summary) shall be added to sheet C20/26.

D. Sheet C7/26. Pipeline Profile and the Limits of the Directional Bore;

The minimum radius of the directional bore curved sections shall be 600' as shown on the plans. The location of the new 24" x 24" x 24" Tee shall be changed from Station 84+00 to Station 83+75 and shall correspond to the location of the new 11 degree elbow. All piping shall be adjusted for the new alignment from the Tee including all related appurtenances.

The location of the new 24" 11 degree elbow shall be changed from 84+28 to Station 83+78. The location of the new 24" 11 degree for the opposite side of the bore shall be changed from 86+19 to Station 86+78.

E. Sheet C12/26. Pipeline Plan and Profile;

Change the location of the new valve from Station 40+00 to 40+50.

4. Clarifications;

A. The Pipe being provided by Carson City was manufactured by JM Pipe. All remaining water main pipe required for this project shall **NOT** be provided by JM Eagle.

- B. Carson City has approved the use of fusible PVC. Mechanical restraints are still required on all valves and fittings for thrust protection. Mechanical Restraints are still required on all Bell and Spigot PVC as required by the manufacturer if utilized near any fittings or valves.

Installation shall be as indicated in detail C-3.1.2 and in conjunction with the NDEP notes included with this addendum. Detail C-1.2.1 will still apply in regards to trench width. (a copy of the restraint schedule has been included in this addendum).

- C. As indicated in the Special Conditions, a soils report has not been performed for this project. The following criteria should be used by the Contractor for use of the fitting restraint system when calculating required pipe restraint lengths at valve and fitting locations identified on the plans. Soil Type shall be "CL" Inorganic Clays. Factor of Safety shall be 1.5. Depth of cover and pipe bedding materials shall be as shown on the plan profiles and trench details. All nuts and bolts shall be Stainless Steel and coated as per Carson City Valve Detail (a copy of the restraint schedule has been included in this addendum).
- D. All Traffic Control shall be as indicated in the General and Special Conditions.
- E. Temporary patch shall match existing AC thickness.
- F. The new 24" x 24" x 24" Tee shown on sheet C7/26, all 3 valves on the new water line that connect to Hells Bells will remain as part of the base bid and shall still be installed even if the additive alternate BP.10 is not approved.
- G. All below grade hardware (restraints, bell restraints, valves and angle fittings) shall be equipped with 304 Stainless Steel bolts/rods and shall be coated as directed in Detail C-3.1.4.
- H. The Corporate Yard at 3505 Butti Way can be used by the Contractor for staging and material storage. This will be coordinated with the Construction Manager after award of the project.
- I. All AC used for paving and Patch repair shall be PG 64-22 as per the Standard Specifications for Public Works Construction. No fog seal to be applied on the new Butti Way Road section being reconstructed. If Additive Alternate BP.13 in Schedule B is not utilized, then the water line will require a permanent patch as per details.
- J. Reminder to Contractor regarding **The Import and Export of Material requirement as Identified in section 5.6 of the Special Conditions. All trench bedding, backfill, structural fill and aggregate base shall be imported to the project site from a source, or sources, approved by the Construction Manager. Use of materials excavated at the project site will not be allowed. All excavated materials are to be removed from the project site and disposed of as specified in subsection 7.7.3.8 Disposal of Materials and 7.7.4.1 Haul Routes, of the General Conditions and any amendments contained herein.**

Attachments:

CC Detail C-3.1.2
NDEP Notes
PVC Restraint Length Calculation Detail

End of Addendum 2