

**EL PASO WATER UTILITIES
PUBLIC SERVICE BOARD**

ADDENDUM

NO. 1


FOR

**Montana East 36-Inch Water Line Extension – Phase II
(Homestead, Ranchos Real PS to Edgemere)**

BID NUMBER 12-22

April 22nd, 2022

In accordance with the Instruction to Bidders of the Contract Documents, the following revision to the Plans and/or Specifications shall become part of the Contract Documents and the Bidders shall acknowledge receipt thereof on their Bid Proposal.


Robert Davidson
Contract Construction Administrator

F-560


Kimberly LaBree P.E.
Civil Engineer
Parkhill

April 22nd 2022
Date

April 22nd 2022
Date

*The Administrator's signature certifies only that this Document shall become part of the Contract Documents for the referenced project. His signature is not a representation that the content of this Document is technically correct.

ADDENDUM No. 1
Montana East 36-Inch Water Line Extension – Phase II
(Homestead, Ranchos Real PS to Edgemere)
Bid No. 12-22
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Receipt of this Addendum must be acknowledged in writing to El Paso Water Utilities as required by the bid documents.

ITEM NO.	Page or Drawing No.	LOCATION AND DESCRIPTION OF CHANGE
1.01	Section 00100-4	SECTION 00100 – INSTRUCTIONS TO BIDDERS Delete page 4 of section 00100 in its entirety and replace with the amended page 4 provided as attached.

Questions from Contractors:

1. Please confirm the pressure class or DR requirement for the specified 42” HDPE water line pipe
Answer: 42” HDPE shall be DR 13.5
2. Is the specified 42” HDPE water line pipe to be IPS or DIPS outside diameter?
Answer: 42” HDPE water line pipe is to be in DIPS for the outside diameter.
3. Please confirm required cell class designation for the specified 42” HDPE
Answer: 42” HDPE shall conform PE 4710 meeting ASTM D3350 cell classification of 445574C-CC3.
4. For portable water, please confirm HDPE pipe, joints, and fittings are to be PE4710 compound that conforms to ASTM D3350 minimum cell classification 445574C-CC3
Answer: Yes, all HDPE pipe, joints and fittings are to be PE 4710 compound that conforms to ASTM D3350 minimum cell classification 445574C-CC3.
5. Would it be possible to submit an alternative bid to supply 42” Bar Wrap Pipe in lieu of HDPE? Due to the sizing & that Bar Wrap is ID controlled, we can possibly supply 36” bar wrap instead of the 42” HDPE reducing the overall cost of material & also helping to reduce the overall install cost.
Answer: Bar Wrap pipe will not be allowed. HDPE must be used to protect from corrosion due to a combination of power transmission mains and petroleum pipelines adjacent to the pipeline route.
6. Prequalification’s for both HDPE and SCCP Pipe list that referenced projects must be completed in the past 5 years, will EPW relax that requirement to a completion date of the past 10 years?
Answer: Qualifications have been revised in this addendum. Please see revised Bidder Qualifications.

7. Due to the complexity of installing HDPE of that size in an existing street, will the EPW consider alternate materials for the 42" HDPE Pipe?
Answer: El Paso Water is not considering alternatives for the HDPE Pipe.
8. Prequalification of the HDPE Portion requires that a contractor have installed 5,000 lineal feet of 42" HDPE or larger in the past 5 years, will the EPW relax that requirement to 24" HDPE within the last 10 years?
Answer: Qualifications have been revised in this addendum. Please see revised Bidder Qualifications.
9. Prequalification states that Key Employees must have performed similar projects in the past 5 years, can that be extended to the past 10 years?
Answer: Qualifications have been revised in this addendum. Please see revised Bidder Qualifications.
10. 33 41 13 para 2.3.G states that "Joint restraint shall be by means of exterior lap welded joints in accordance with AWWA C206". We would like to request the use of Snap Ring and harness clamp mechanically restrained joints to resist thrust on bar wrapped pipe as the preferred method of thrust resistance to welded joints. The City of El Paso standard specification 12.8.2 states that "The preferred method of restraining pipe sections at bends, tees, or other changes in direction shall be through mechanical joint restraints." Snap Ring mechanically restrained joints have been used previously on recent City of El Paso projects such as: Montana North 30" Water Transmission Main, Vista Del Sol Watermain, Vista Del Sol Pump Station Watermain Phase 2, Edgemere Rd Ph 4, and Upper Valley Strahan Rd Transmission Main Ph 1 and 2. The Snap Ring restrained joint has been used successfully on concrete pressure pipe since the early 1970's and there are over 100 miles of pipeline projects in Texas that have used Snap Ring joints to resist thrust. We respectfully submit for inclusion of Snap Ring and harness clamp mechanically restrained joints for use as restrained joints on this project.
Answer: Contractor may use Snap Ring and harness clamp to restrain joints.
11. 33 41 13 para 2.3.G also states that "The minimum steel cylinder thickness for all field welded joints shall be 3/16-inch." The highest thrust generated on 36" pipe at working pressure of 100psi at full bulkhead is about 116 kips. With 18,000 psi allowable steel stress, a 36" cylinder using 12 gauge steel (0.1046" thick) can handle up to 223 kips thrust, a SF of almost four (4) times the maximum thrust at the minimum yield strength of the steel. We respectfully submit a request that the minimum steel cylinder thickness used in restrained joint areas on this project be 12 gauge.
Answer: The minimum steel cylinder thickness shall be 3/16-inch, change of minimum thickness will not be acceptable.
12. 33 41 13 para 2.10.A refers to Table 1: Minimum Restraint Lengths for Project. During my review of the plans and specifications, I have been unable to locate Table 1. Will you please provide a reference for Table 1 in the plans and specifications?
Answer: The pipeline is to be fully restrained.
13. Detail D3 on plan sheet C-107 shows a detail of a 36" x 42" flanged ductile iron reducer to increase outside diameter and make connection to match the HDPE. We request that a bar wrap fitting, 36" AWWA C303 gasketed joint x 42" flanged concentric reducer be specified for use here as it eliminates the introduction of a third material into the line and allows direct transition from bar wrapped pipe to HDPE. See attached for a reference drawing.

Answer: A bar wrap fitting, 36" AWWA C303 gasketed joint x 42" flanged concentric reducer will be acceptable.

14. The exterior of the Bar Wrap Pipe is a mortar coating. Mortar coating provides substantial corrosion protection by passivating the steel it encapsulates. The project specification appears to call for installation of an impressed current cathodic protection system. What specific corrosion risk on this project is driving the need and expense for an impressed current system?

Answer: The pipeline will need corrosion protection due to a combination of power transmission mains and petroleum pipelines adjacent to the pipeline route.

15. Can a bid item be added for the curb that is going to be removed and replaced along Tim Floyd St?

Answer: Any curb replacement shall be subsidiary to the pipe cost. A bid item for curb replacement will not be added.

16. Is any portion of this project going to be inspected by El Paso County? If so – what sections are in El Paso County?

Answer: The entire project is within City of El Paso limits. None of the project will be in El Paso County.

17. How much open trench will be allowed on Tim Floyd?

Answer: Limits of trench are listed on each sheet. If additional space is required Contractor can submit in writing to Owner and Engineer once the project has been award.

18. Who covers the cost of the paving cut permit?

- a. If it is the Contrator's responsibility – can you provide current permit fees?

Answer: The Contractor is responsible for any costs associated with the paving cut permit. Contractor is to contract City of El Paso on current paving cut fees.

19. How many Copies of the Bid proposal are required?

- a. Pre Bid Meeting Agenda & EPW Website Indicated Bidder is required to submit 1 original proposal and 2 copies along with an electronic version of the bid proposal.

- b. Section 00100/00300 – Indicated 1 original proposal and 3 copies

Answer: Contractor is to submit 1 original proposal and 3 hard copies along with an electronic version of the bid proposal.

20. Who is responsible for obtaining the El Paso Electric permit for the AC power to the new rectifiers?

- a. If EPW – has this permit been applied for?

- b. Does EPW have all the necessary easements associated with providing power to the rectifiers?

Answer: The Engineer has coordinated new service with an EPEC Planner and will submit the EPEC Service Application on behalf of El Paso Water once the project has been awarded. El Paso Water will pay El paso Electric fees directly. Contractor will coordinate and pay for all City of El Paso Electrical Permits and Inspection Fees.

21. What is the Wage Decision for this Project?

- a. Pre-Bid Meeting Indicates – Wage Rates EPWater Staff and Engineer have determined that the following wage rates are applicable for this project: 2016

Paving & Street Construction, Dirt Work, Heavy Construction, Pipeline Work, Highway.

- b. Section 00840 Indicates City of El Paso 2020 Building Construction Trades Wage Rates.

Answer: Contractor is to use the 2016 Paving & Street Construction, Dirt Work, Heavy Construction, Pipeline Work, Highway.

End of Addendum No. 1

BIDDER MUST MEET THE FOLLOWING MINIMUM PROJECT SPECIFIC CRITERIA IN ORDER TO QUALIFY FOR AWARD OF THE BID:

1. The project involves installation of a 36-inch diameter water transmission main, gate valve, combination valve, tie-in activities and its corresponding material's miscellaneous appurtenances and fittings. At least two "Key Personnel" employed by the Bidder and assigned to the project for its duration must demonstrate successful completion of at least two projects involving large diameter pipe, 24-inch diameter or greater water line similar in nature and scope, within the past 10 years.
2. Project is within City Streets along major residential roads. At least two "Key Personnel" employed by the Bidder and assigned to the project for its duration must demonstrate successful completion of at least two successful projects within City Streets within the last 10 years which required traffic control and pavement replacement.
3. Bidder must show successful completion of at least two projects that required traffic control and pavement replacement similar in nature and scope, within the last 10 years. Sub-Contractor experience is acceptable for traffic control operations and paving operations.
4. Key Personnel required to be assigned full time to this project include Project Manager, Project Superintendent, and Foreman. Detailed experience resume for the proposed Key Personnel shall be submitted.