

Addendum No. 2

2020 BND WATER LINES REPLACEMENT

July 10, 2020

1. CHANGES TO CONSTRUCTION PLANS

- a. The **Construction Plans** have been modified. The more prominent changes are:
 - a) Valves and pertinent Fittings have been added for future lines as well as for tie-ins to existing mains.
 - b) Steel Casings have been extended where the new mains cross customer product pipelines.
 - c) Extra 8" and 12" DR-25 PVC Pipe and Cast Iron Elbows have been added to adjust the existing main line crossings that will later be tied-in to the new mains. These extra elbows and pipe will be used to vertically adjust the crossings to allow for installation of the new mains with the consistent 48" minimum cover. The existing mains will then be tied-in to the new mains after pressure and bacteria testing has passed.
 - d) Extra 16" Elbows have been added in the event vertical adjustment is needed due to unanticipated existing underground features along the new mains. If these extra elbows are not used, they will not be paid for.

2. CHANGES TO BID PROPOSAL

- a. The **Bid Form** section of the bid documents has been modified. The modified form accompanies this Addendum. The modifications include:
 - 1) Bid items have been revised to conform to changes in construction plans (Page BP-2 and BP-3 of 4).
 - 2) Issued Addenda have been listed (Page BP-4 of 4).

3. ADDITIONAL PROVISIONS AND REQUIREMENTS

- a. Connections (tie-ins) to the existing 8" water line at New S.H. 48, and connections (tie-ins) to the existing large main both at the West and East ends of the project along Old S.H. 48 shall be subsidiary to other bid items, and shall not be paid for separately.

4. CLARIFICATIONS AND ANSWERS TO BIDDERS' QUESTIONS

BIDDERS' QUESTION	OWNER'S RESPONSE & CLARIFICATION
1. Detail sheet shows copper tubing for services. Can we use the Municipex Pipe?	Municipex Pipe for service lines will be allowed.
2. Please clarify open cut on Sta. 6+00.	This crossing will not be an open cut.

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BIDDERS' QUESTION	OWNER'S RESPONSE & CLARIFICATION
3. Please clarify the number of calendar days allotted for the work.	The number of contract Calendar Days has been changed to 150.
4. Is there a particular casing thickness required for the 20-24" casing, and how do you want the ends treated?	Steel Casing minimum thickness (3/8" for 20" and 7/16" for 24") and Casing End Seals (PSI Model "C" or "W" End Seals) are specified in the Installation Details, Sheet 14.
5. What is the intent on Sta. 38+49?	Intent at now Sta. 38+55 is to reroute 8" PVC vertically, install 16" main with 16"x 8" Tee and 8" R.S. valve, then tie-in existing 8" PVC.
6. What is the intent on Sta. 43+87?	Intent at now Sta. 43+69 is to install a new fire hydrant with valve and box.
7. What is the intent on Sta. 46+19?	Intent at now Sta. 46+01 is to install a new fire hydrant with valve and box.
8. What is the intent on Sta. 52+79?	Intent at now Sta. 52+60 is to tie existing fire hydrant to the new 16" main using a tee, valve, and mechanical joint coupling.
9. What is the intent on Sta. 54+90?	Intent at now Sta. 54+72 is to tie existing fire hydrant to the new 16" main using a tee, valve, and mechanical joint coupling.
10. What is the intent on Sta. 55+99?	Intent at now Sta. 55+81 is to tie existing fire hydrant to the proposed 16" main using a tee, valve, and mechanical joint coupling.
11. Please clarify Item 28 & 29. Are these the Dead End Blowoffs shown on Sheet 14?	Items 28 & 29 (now renumbered) are for taps to connect existing service lines to the new mains.
12. Will there be a Dead End Blowoff at Sta. 23+13?	Dead End Blow-Offs will be used by the contractor at his discretion and with concurrence by owner to fill, flush, test, etc. the new main lines. They will be subsidiary to other pay items, and will not be paid for separately.
13. Sta. 33+00, will there be need of replacing the existing crossing and how will it be addressed?	This and any other existing service line tie-in will be tied to the new line using Municipex pipe. Existing road crossing will remain.
14. How will the 8 main line "tie-ins" be paid?	All tie-ins to existing mains will be subsidiary to other bid items and will not be paid for separately.
15. There are no Fire Hydrants on the bid items. Consider one on each end to assist in testing.	We have added hydrants but not at ends. Dead End Blow-offs will be used here as needed (see answer to question 12. above).
16. Can project time be extended from 60 days to 150 days?	We can extend to 150 days.
17. Since ground water will be present will the	Handling of ground water will be treated as

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BIDDERS' QUESTION	OWNER'S RESPONSE & CLARIFICATION
BND include a line item for ground water in the bid schedule?	subsidiary to pipe installation & other bid items.
18. Does traffic control need to be designed by an engineer? If so, will the BND include a line item in the bid schedule?	Contractor shall be responsible for controlling traffic, but it does not have to be designed by an engineer.
19. Will the BND require a trench safety plan? If so, will the BND include a line item in the bid schedule?	A Trench Safety System Plan bid item is included in the Bid Form.
20. Is the BND requiring the entire length of the main line(s) to be filled with flowable?	Yes
21. Will the BND require an asbestos waste manifest for disposal of the AC pipeline pieces removed during tie-ins?	All existing asbestos pipe is to remain in the ground.
22. Driveway bore at station 52+00 (more or less), due to the ground water at this location will the BND extend the bore another 23' west to go under the 5 TransMontaigne lines?	Jack & Bore Casing has been extended.
23. Driveway bore at station 60+00 (more or less), due to the ground water at this location will the BND extend the bore another 20' west to go under the 5 KLM lines?	Jack & Bore Casing has been extended.
24. What will be the required clearance under the railroad track bores?	4 ft. minimum below top of tie. A detail has been included in the Installation Details sheet.
25. Does the BND have a disposal site for the dirt spoils?	Yes. Excess dirt is to be taken to an area near the BND Maintenance Shop.

Bid Form

2020 BND WATER LINES REPLACEMENT

Bid to: Brownsville Navigation District
1000 Foust Road
Brownsville, Texas 78521

Due Date: Before **2:00 P.M. C.D.T.** on **Friday, July 17, 2020.**

Bid by _____ hereinafter called BIDDER, a corporation organized and existing under the laws of the State of _____, or a partnership or an individual doing business as _____.

To: The Brownsville Navigation District, Texas, hereinafter called OWNER.

Gentlemen:

The BIDDER, in compliance with your invitation for bids for the “**2020 BND WATER LINES REPLACEMENT**” project, having examined the drawings and specifications with related documents and the site of the proposed work, and being familiar with all of the conditions surrounding the construction of the proposed project, including the availability of materials and labor, hereby proposes to furnish all labor, materials and supplies, and to construct the project in accordance with the contract documents, within the time set forth herein, and at the attached unit prices. These price(s) are to cover all expenses incurred in performing the work required under the contract documents, of which this bid is a part. These price(s) are firm and shall not be subject to adjustment provided this Bid is accepted within ninety (90) days after the time set for receipt of bids.

BIDDER hereby agrees to commence work under this contract on or before a date to be specified in a written “Notice to Proceed” to be issued by the OWNER and to fully complete the project within one hundred fifty (150) calendar days, as defined in the specifications. BIDDER further agrees to pay as liquidated damages, the sum of five hundred (\$500.00) dollars for each consecutive calendar day thereafter as hereinafter provided in Article 3 of the Agreement.

BIDDER agrees to perform all work for which he contracts as described in the specifications and as shown on the plans, for the attached unit prices:

SUBCONTRACTORS. The undersigned proposes that he will perform the majority of the work at the project site with his own forces and that specific portions of the work not performed by the undersigned will be subcontracted and performed by the following subcontractors.

Work Subcontracted	Name of Subcontractor
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

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BIDDER Agrees to perform all the work described in the Contract Documents
for the following Unit Prices (which include any and all applicable taxes and fees):

July 17, 2020

WATER LINE IMPROVEMENTS:

#	DESCRIPTION	EST. QTY.	UNIT COST	AMOUNT
1	16" PVC DR-18 WATER PIPE	6,445 LF		
2	12" PVC DR-18 WATER PIPE	2,466 LF		
3	12" PVC DR-25 WATER PIPE	60 LF		
4	8" PVC DR-25 WATER PIPE	140 LF		
5	24" STEEL CASING UNDER ROAD, BORE & JACK	604 LF		
6	24" STEEL CASING UNDER RAIL, BORE & JACK	76 LF		
7	24" STEEL CASING UNDER ROAD, OPEN TRENCH	156 LF		
8	20" STEEL CASING UNDER ROAD, BORE & JACK	228 LF		
9	16" X 12" TEE, MECHANICAL JOINT/FLANGE	3 EA		
10	16" X 8" CROSS, MECHANICAL JOINT/FLANGE	4 EA		
11	16" X 8" TEE, MECHANICAL JOINT/FLANGE	4 EA		
12	16" X 6" TEE, MECHANICAL JOINT/FLANGE	12 EA		
13	12" X 12" TEE, MECHANICAL JOINT/FLANGE	2 EA		
14	12" X 8" TEE, MECHANICAL JOINT/FLANGE	1 EA		
15	16" RESILIENT-SEATED BUTTERFLY VALVE	6 EA		
16	12" RESILIENT-SEATED GATE VALVE	8 EA		
17	8" RESILIENT-SEATED GATE VALVE	6 EA		
18	6" RESILIENT-SEATED GATE VALVE	4 EA		
19	16" X 14" REDUCER, MECHANICAL JOINT	1 EA		
20	12" X 10" REDUCER, MECHANICAL JOINT	2 EA		
21	12" X 8" REDUCER, MECHANICAL JOINT	1 EA		
22	16" 45° ELBOW, MECHANICAL JOINT	10 EA		
23	16" 22-½° ELBOW, MECHANICAL JOINT	1 EA		
24	16" 11-¼° ELBOW, MECHANICAL JOINT	1 EA		
25	12" 90° ELBOW, MECHANICAL JOINT	2 EA		
26	12" 45° ELBOW, MECHANICAL JOINT	5 EA		
27	12" 22-½° ELBOW, MECHANICAL JOINT	1 EA		
28	8" 45° ELBOW, MECHANICAL JOINT	16 EA		
29	12" X 10" CROSS	1 EA		
30	16" PLUG, MECHANICAL JOINT	1 EA		
31	12" PLUG, MECHANICAL JOINT	3 EA		
32	6" COUPLING, MECHANICAL JOINT	2 EA		
33	FIRE HYDRANT WITH VALVE & BOX	8 EA		

WATER LINE IMPROVEMENTS (Continued):

#	DESCRIPTION	EST. QTY.	UNIT COST	AMOUNT
31	16" X 2" BRONZE DOUBLE STRAP SADDLE W/2" CORP. STOP AND 2" TEFLON BALL CURB STOP	8 EA		
32	12" X 2" BRONZE DOUBLE STRAP SADDLE W/2" CORP. STOP AND 2" TEFLON BALL CURB STOP	2 EA		
33	FILL 14" A.C. PIPE WITH FLOWABLE FILL	6,445 LF		
34	FILL 8" C.I. PIPE WITH FLOWABLE FILL	2,466 LF		
35	MAGNETIC DETECTION TAPE	8,911 LF		
36	TRENCH SAFETY SYSTEM PLAN & IMPLEMENT	1 LS		
TOTAL BASE BID FOR ALL WORK UNDER THIS CONTRACT:				

NOTE: Cost for all connections (tie-ins) to existing water lines shall be included in the price for other bid items, shall be subsidiary to such other bid items, and shall not be paid for separately. This includes the tie-ins of the new mains to the existing lines they are replacing.

BIDDER Acknowledges receipt of the following addenda:

Addendum No. 1 (July 2, 2020)

Addendum No. 2 (July 10, 2020)

In case of discrepancy, the unit price amount shall govern.

The above included prices shall include all labor, materials, excavation, bailing, shoring, removal, backfill, overhead, profit, insurance, etc., to cover the finished work of the several kinds called for.

BIDDER understands that the OWNER reserves the right to reject any or all bids and to waive any informalities in the bidding.

BIDDER agrees that this Bid shall be good and may not be withdrawn for a period of ninety (90) days after the scheduled closing time for receiving bids.

The undersigned hereby declares that only the persons or firms interested in the bid as principal or principals are named herein, and that no other persons or firms than are herein mentioned have any interest in this Bid or in the contract to be entered into; that this Bid is made without connection with any other person, company, or parties likewise submitting a Bid; and that it is in all respects for and in good faith, without collusion or fraud.

Upon receipt of written notice of the acceptance of this Bid, BIDDER will execute the formal contract attached within ten (10) days and deliver the Performance and Payment Bonds and Insurance Certificates as required under the GENERAL CONDITIONS. The Bid security attached in the sum of _____ (\$ _____) is to become the property of the OWNER in the event the contract, bonds, and insurance certificates are not executed or delivered within the time above set forth, as mutually agreed to liquidated damages and not as a penalty for the delay and additional administrative expense to the OWNER caused thereby; otherwise the Bid security will be returned upon the signing of the contract and delivering the approved bonds and insurance certificates.

Respectfully submitted,

By:

Signature

Officer's Name

Officer's Title

Address

Seal affixed here
if BID is by a
Corporation

Attest: _____
