

**Project description: South 34<sup>th</sup> Street & I-35 - 24-inch Waterline Project, BID No. 2025-002**

This is an approximately 900 LF potable water line project that serves as an east-west connection between two existing 12-inch water lines. The project is located south of S. 34th Street in Moore, OK and generally parallels S. 34<sup>th</sup> Street to a terminus on the east side of I-35. The project will include a boring underneath I-35 in accordance with Oklahoma Department of Transportation permits which are included in the contract documents. Pipe materials include PVC, HDPE, and ductile iron fittings. To further describe the details of the project, a bid schedule with descriptive notes is provided below.

ITEM	CITY OF MOORE SPEC NO.	ITEM	ITEM NOTE	UNIT	QTY
1	SPEC PROV.	AUDIO-VIDEO RECORDING PRE & POST CONSTRUCTION	(7)	L.S.	1
2	SPEC PROV.	SEDIMENT AND EROSION CONTROL	(1)	L.S.	1
3	212	TRENCH EXCAVATION AND BACKFILL-(0' TO 10')	(2)(3)(10)	L.F.	505
4	252	BORING (30" INSIDE DIAMETER CASING)		L.F.	397
5	252	BORING-CASING (30" INSIDE DIAMETER)	(4)	L.F.	397
6	505	FITTINGS (6") MEGA-LUG SERIES 2006PV (DR18)	(5)	E.A.	1
7	505	FITTINGS (12") MEGA-LUG SERIES 2012PV (DR14)	(5)	E.A.	12
8	505	FITTINGS (16") MEGA-LUG SERIES 2016PV (DR18)	(5)	E.A.	8
9	505	FITTINGS (24") MEGA-LUG SERIES 2024PV (DR18)	(5)	E.A.	3
10	505	FITTINGS (24") BELL RESTRAINT HARNESS SERIES 2824	(5)	E.A.	10
11	505	FITTINGS (24") POLY-CAM, INC. SERIES 732 SDR9	(16)	E.A.	2
12	505	(24") DIPS HDPE WATER LINE PIPE (DR9)	(6)	L.F.	397
13	505	(24") C905 PVC WATER LINE PIPE (DR18)		L.F.	428
14	505	(16") C905 PVC WATER LINE PIPE (DR18)		L.F.	22
15	505	(12") C900 PVC WATER LINE PIPE (DR14)		L.F.	55
16	505	FITTINGS (12"X24"X12") DIP TEE	(11)	E.A.	1
17	505	FITTINGS (24"X24"X6") DIP TEE	(11)	E.A.	1
18	505	FITTINGS (16"X12"X16") DIP TEE	(11)	E.A.	1
19	505	FITTINGS (12"X12"X12") DIP TEE	(11)	E.A.	1
20	505	FITTINGS (24"X16") DIP REDUCER	(11)	E.A.	1
21	505	FITTINGS (12") DIP 45-DEGREE BEND	(11)	E.A.	2
22	505	FITTINGS (12") DIP 22.5-DEGREE BEND	(11)	E.A.	1
23	505	FITTINGS (12") DIP 11.25-DEGREE BEND	(11)	E.A.	1
24	505	FITTINGS (16") DIP END CAP	(11)	E.A.	1
25	516	FIRE HYDRANT ASSEMBLY	(12)	E.A.	2
26	520	(6") DIP GATE VALVE & BOX	(11)	E.A.	2
27	520	(12") DIP GATE VALVE & BOX	(11)	E.A.	1
28	520	(16") DIP GATE VALVE & BOX		E.A.	1
29	520	(2") AIR RELEASE/VACUUM COMBINATION VALVES & BOX		E.A.	1
30	522	HYDROSTATIC PRESSURE TESTING AND DISINFECTION	(13)	L.S.	1
31	801	CONSTRUCTION STAKING (CONSTRUCTION SURVEY)	(15)	L.S.	1
32	802	CONSTRUCTION SIGNING AND TRAFFIC CONTROL	(8)	L.S.	1
33	840	SOLID SLAB SODDING	(9)(14)	S.Y.	1122

1. THE COST OF ALL LABOR AND MATERIALS (UNLESS PAY ITEMS PROVIDED) REQUIRED FOR THE INSTALLATION OF EROSION CONTROL MEASURES SHALL BE INCLUDED IN THE BID PRICE FOR THIS ITEM. THE CONTRACTOR SHALL IMPLEMENT EROSION CONTROL MEASURES AS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE JOB SITE AND/OR ENTERING THE STORM SEWER SYSTEM. SEE THE SPECIAL PROVISION IN CONTRACT DOCUMENTS FOR ADDITIONAL INFORMATION.

2. CONTRACTOR SHALL ENSURE ALL UTILITY POLES AFFECTED BY OPEN EXCAVATION OR TRENCHING ARE BRACED BY OWNERS. THIS COST SHALL BE INCLUDED IN THIS PAY ITEM.

3. CONTRACTOR TO EXCAVATE ALL UTILITY CROSSINGS AHEAD OF PIPE INSTALLATION SO THAT GRADES CAN BE ADJUSTED ON THE PROPOSED WATER LINES TO AVOID UTILITY CONFLICTS. FAILURE TO DO SO SHALL NOT ENTITLE THE CONTRACTOR TO CLAIM EXTRA COMPENSATION FOR ADJUSTMENTS TO THE PROPOSED WATER LINE. COST FOR EXCAVATING UTILITY CROSSINGS SHALL BE INCLUDED IN THIS PAY ITEM.

4. ALL COSTS FOR STEEL CASING, VENT PIPES, PAINT, AND SIGNAGE SHALL BE INCLUDED IN THIS PAY ITEM.

5. FITTINGS SHALL BE BY EBAA IRON, INC. RESTRAINED JOINTS SERIES AS NOTED AND SPECIFIED IN THE PLANS. RODS, NUTS, AND APPLICABLE HARDWARE FOR RESTRAINED JOINTS SHALL BE AISI GRADE 316 STAINLESS STEEL.

6. COST FOR FUSION EQUIPMENT MOBILIZATION, USE, UTILITIES, AND LABOR SHALL BE INCLUDED IN THIS PAY ITEM.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING AND SUBMITTING PRE-CONSTRUCTION VIDEOS OF THE PROJECT EXTENTS. THE RECORDINGS SHALL BE COLOR AUDIO-VIDEO RECORDED ON TWO SEPARATE VIDEO RECORDINGS. ONE VIDEO FOR POST-CONSTRUCTION AND ONE VIDEO FOR PRE-CONSTRUCTION. RECORDINGS SHALL INCLUDE ALL PROJECT LIMITS, STORAGE AREAS, AND OTHER AREAS THE CONTRACTOR OR ENGINEER DETERMINE PERTINENT. SEE THE SPECIAL PROVISION IN CONTRACT DOCUMENTS.
8. THE COST OF ALL LABOR (INCLUDING FLAG MEN) AND MATERIALS REQUIRED TO ADEQUATELY CONTROL TRAFFIC DURING CONSTRUCTION SHALL BE INCLUDED IN THE BID PRICE FOR THIS ITEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER BARRICADES, LIGHTS, STRIPING, AND SIGNING FOR THE PROJECT. TRAFFIC CONTROL WILL BE INSTALLED IN A MANNER APPROVED BY THE CITY, IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND APPLICABLE STANDARD DRAWINGS. PRICE BID SHALL BE PAYMENT IN FULL FOR THE INSTALLATION, MAINTENANCE, AND SUBSEQUENT REMOVAL OF ALL NECESSARY CONSTRUCTION TRAFFIC CONTROL REQUIRED FOR COMPLETION OF THE PROJECT.
9. THE CONTRACTOR SHALL STRIP ALL OF THE AVAILABLE TOPSOIL WITHIN THE LIMITS OF CONSTRUCTION, APPROXIMATELY 6 INCHES DEEP, STOCKPILE THE MATERIAL AND REPLACE THE TOPSOIL ON THE FINISHED GRADING SECTION. COST TO BE INCLUDED IN SOLID SLAB SODDING.
10. THE COST OF ALL DEWATERING OPERATIONS DURING OPEN TRENCHING SHALL BE INCLUDED IN THIS PAY ITEM.
11. ALL DIP VALVES AND FITTINGS SHALL HAVE MECHANICAL JOINTS AND BE POLY WRAPPED. THE COST OF POLY WRAPPING DUCTILE IRON VALVES AND FITTINGS SHALL BE INCLUDED IN THE COST OF THIS PAY ITEM. SEE GENERAL NOTE 38.
12. COST FOR THIS ITEM SHALL INCLUDE THE ENTIRE FIRE HYDRANT ASSEMBLY FROM THE VALVE, INCLUDING ELBOW, EXTENSION PIPE, RISER PIPE, BEDDING, CONCRETE BLOCKING, AND ANY OTHER LABOR AND MATERIALS NECESSARY TO MEET DETAIL NO. 301-2 IN THE CITY OF MOORE'S STANDARD DETAILS AND SECTION 516 IN THE CITY OF MOORE SPECIFICATIONS.
13. CONTRACTOR IS RESPONSIBLE TO DECHLORINATE DISINFECTION WATER PRIOR TO DISCHARGE AND/OR WILL DISPOSE OF DISINFECTION WATER IN A MANNER SAFE TO THE SURROUNDING ENVIRONMENT. CONTRACTOR TO INDEMNIFY CITY AND ENGINEER FOR ANY DAMAGES CAUSED FROM DISPOSAL OF WATER AND PAY FOR ANY TESTING AND DAMAGES OCCURRING FROM DISPOSAL OF WATER. THE WATER SHALL NOT BE DISCHARGED ONTO THE PAVEMENT SUBGRADE. ANY TEMPORARY PLUGS REQUIRED FOR PRESSURE TESTING AND DISINFECTION ARE INCIDENTAL.
14. ALL GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED WITH SOLID SLAB SOD, FERTILIZED, AND WATERED IN ACORDANCE WITH THE CITY OF MOORE STANDARD SPECIFICATIONS. SOD QUANTITIES FOR A MAXIMUM 20-FOOT-WIDE STRIP OVER ALL TRENCHES OUTSIDE OF PAVED AREAS ARE INCLUDED IN THE PLANS. ALL OTHER ARES DISTURBED AS A RESULT OF THE CONTRACTOR'S ACTIONS SHALL BE RESTORED IN A MANNER ACCPETABLE TO THE ENGINEER TO A CONDITION AS GOOD OR BETTER THAN THAT PRIOR TO THE DISTURBANCE AT NO EXPENSE TO THE CITY. THE CONTRACTOR WILL BE PAID PLAN QUANTITY FOR SODDING. ANY SOD NEEDED OVER PLAN QUANTITY SHALL BE PLACED AT THE CONTRACTOR'S EXPENSE. ALL SOLID SLAB SOD SHALL BE PLACED IN LIKE KIND AND PRICE TO INCLUDE FERTILIZING.
15. PRICE BID TO INCLUDE COST ASSOCIATED WITH ESTABLISHING AND MAINTAINING PROJECT EASEMENT OR RIGHT-OF-WAY LIMITS, VERTICAL CONTROL, AND HORIZONTAL CONTROL INCLUDING REFERENCE POINTS AND GPS AS-BUILT INFORMATION. SEE GENERAL NOTE 51 FOR ADDITIONAL INFORMATION.
16. FITTINGS SHALL BE BY POLY-CAM. INC. SERIES 732 SDR9 TRANSITION FOR DUCTILE IRON SIZE PVC TO HDPE.