



**PUBLIC SERVICE BOARD MEETING
AGENDA ITEM
REGULAR MEETING**

Wednesday, June 12, 2019

SUBJECT

Bid Number 31-19, Miscellaneous Improvements to Existing Air Release Valves at EPWU Force Mains and Lift Stations - Westside

BACKGROUND

A condition assessment of existing air release valves installed on sewer force mains and lift stations throughout the city was performed in 2017. The assessment determined that high levels of hydrogen sulfide concentration in vaults and manholes caused corrosion in the mechanical components of the air release valves, which caused the mechanical systems of the air release valves to malfunction. The design for Phase I of the project was developed to provide miscellaneous improvements and preventive maintenance to the air release valves along existing sanitary sewer force mains within the west side of the city with the intent to improve the efficiency of the existing sanitary sewer systems. Through Phase I, 26 sites were evaluated of which 20 will receive the recommended improvements. Future phases will continue with the design, bid, and rehabilitation of an additional 60 air release valves across the city.

STRATEGIC OBJECTIVES SUPPORTED

Improve Infrastructure

EVALUATION PROCESS

El Paso Water received five bids for this project on May 8, 2019. The bidders were Smithco Construction, Danny Sander Construction, Spiess Construction Co, Cubic Water, and CMD Endeavors. The bids ranged from \$1,892,450 to \$2,327,900 or 10% to 35% above the engineer's estimate of \$1,720,000.

The project consulting engineer evaluated the qualifications of the apparent low bidder and determined that Smithco Construction meets the minimum general requirements as well as the minimum project specific criteria as specified in the bid documents.

Staff reviewed the engineer's evaluation and recommends award of Bid Number 31-19, Miscellaneous Improvements to Existing Air Release Valves at EPWU Force Mains and Lift Stations – Westside, to Smithco Construction as the lowest responsive, responsible bidder in the amount of \$1,892,450.

FINANCIAL IMPLICATIONS

Sufficient funds are available in Account Number 1886, and the funding sources are the Improvement Fund in the amount of \$628,000 and the Commercial Paper Fund in the amount of \$1,264,450.

PROPOSED ACTION REQUESTED

Award Bid Number 31-19, Miscellaneous Improvements to Existing Air Release Valves at EPWU Force Mains and Lift Stations – Westside, to the lowest responsive, responsible bidder Smithco Construction, Inc. in the amount of \$1,892,450 and authorize the use of commercial paper.

SUPPORTING DOCUMENTATION PROVIDED

Bid Tab

PUBLIC SERVICE BOARD - EL PASO WATER UTILITIES

TABULATION OF BIDS FOR: MISCELLANEOUS IMPROVEMENTS TO EXISTING AIR RELEASE VALVES AT EPWU FORCE MAINS AND LIFT STATIONS-WESTSIDE

BID TO BE OPENED: MAY 8, 2019 @ 2:00 P.M.

BID NUMBER: 31-19

Prepared By: LAG

Reviewed By: OC

Reviewed By: J.C.

Date: 5/3/19

ITEM	DESCRIPTION	QTY	UNIT	ENGINEER'S ESTIMATE	SMITHCO CONSTRUCTION, INC.	DANNY SANDER CONSTRUCTION, INC.	SPIESS CONSTRUCTION CO., INC.	CUBIC WATER, LLC	CMD ENDEAVORS, INC.
					6 King Canyon Loop Caballo, NM 87931	11925 Golden Gate Rd. El Paso, TX 79937	201 South Broadway #140 Orcutt, CA 93455	8815 Dyer Street Suite 145 El Paso, TX 79904	1510 N. Zaragosa, Ste. B1 El Paso, TX 79936
1	Insurance, Bonds, Mobilization and Demobilization, Not to Exceed 5% of Bid Item Nos. 2 through 27. If Item No. 1 exceeds 5%, bid may be deemed non-responsive).	1	LS	\$79,410.00 TOTAL	\$85,000.00	\$97,000.00	\$100,000.00	\$90,000.00	\$80,000.00
2	Trench Safety System: Trench Box Method or Shoring, Sheeting, and Bracing Method, complete in place for ARV sites	16	EA	\$1,250.00 UNIT \$20,000.00 TOTAL	\$150.00 \$2,400.00	\$500.00 \$8,000.00	\$500.00 \$8,000.00	\$100.00 \$1,600.00	\$2,500.00 \$40,000.00
3	Furnish and Install Miscellaneous Improvements Site No. 6, Complete in Place.	1	LS	\$95,500.00 TOTAL	\$115,000.00	\$132,000.00	\$114,000.00	\$175,000.00	\$135,000.00
4	Furnish and Install Miscellaneous Improvements Site No. 7, Complete in Place.	1	LS	\$95,500.00 TOTAL	\$120,000.00	\$148,000.00	\$148,000.00	\$177,200.00	\$160,000.00
5	Furnish and Install Miscellaneous Improvements Site No. 8, Complete in Place.	1	LS	\$48,300.00 TOTAL	\$37,000.00	\$32,000.00	\$45,000.00	\$67,300.00	\$45,000.00
6	Furnish and Install Miscellaneous Improvements Site No. 9, Complete in Place.	1	LS	\$101,200.00 TOTAL	\$115,000.00	\$142,000.00	\$142,000.00	\$167,100.00	\$155,000.00
7	Furnish and Install Miscellaneous Improvements Site No. 10, Complete in Place.	1	LS	\$94,100.00 TOTAL	\$115,000.00	\$132,000.00	\$114,000.00	\$176,600.00	\$130,000.00
8	Furnish and Install Miscellaneous Improvements Site No. 11, Complete in Place.	1	LS	\$59,900.00 TOTAL	\$30,000.00	\$40,000.00	\$50,000.00	\$49,400.00	\$50,000.00
9	Furnish and Install Miscellaneous Improvements Site No. 12, Complete in Place.	1	LS	\$56,000.00 TOTAL	\$80,000.00	\$86,000.00	\$102,000.00	\$82,300.00	\$100,000.00
10	Furnish and Install Miscellaneous Improvements Site No. 13, Complete in Place.	1	LS	\$68,000.00 TOTAL	\$80,000.00	\$80,000.00	\$82,000.00	\$84,800.00	\$100,000.00
11	Furnish and Install Miscellaneous Improvements Site No. 14, Complete in Place.	1	LS	\$86,300.00 TOTAL	\$125,000.00	\$132,000.00	\$113,000.00	\$145,000.00	\$130,000.00
12	Furnish and Install Miscellaneous Improvements Site No. 15, Complete in Place.	1	LS	\$28,100.00 TOTAL	\$30,000.00	\$20,000.00	\$38,000.00	\$37,600.00	\$40,000.00
13	Furnish and Install Miscellaneous Improvements Site No. 16, Complete in Place.	1	LS	\$54,900.00 TOTAL	\$75,000.00	\$80,000.00	\$72,000.00	\$101,900.00	\$100,000.00

PUBLIC SERVICE BOARD - EL PASO WATER UTILITIES

TABULATION OF BIDS FOR: MISCELLANEOUS IMPROVEMENTS TO EXISTING AIR RELEASE VALVES AT EPWU FORCE MAINS AND LIFT STATIONS-WESTSIDE

BID TO BE OPENED: MAY 8, 2019 @ 2:00 P.M.

BID NUMBER: 31-19

Prepared By: AG
 Reviewed By: SC
 Reviewed By: SC
 Date: 5/11/19

ITEM	DESCRIPTION	QTY	UNIT	ENGINEER'S ESTIMATE	SMITHCO CONSTRUCTION, INC.	DANNY SANDER CONSTRUCTION, INC.	SPIESS CONSTRUCTION CO., INC.	CUBIC WATER, LLC	CMD ENDEAVORS, INC.
					6 King Canyon Loop Caballo, NM 87931	11925 Golden Gate Rd. El Paso, TX 79937	201 South Broadway #140 Orcutt, CA 93455	8815 Dyer Street Suite 145 El Paso, TX 79904	1510 N. Zaragosa, Ste. B1 El Paso, TX 79936
14	Furnish and Install Miscellaneous Improvements Site No. 17, Complete in Place.	1	LS	\$158,400.00 TOTAL	\$220,000.00	\$267,000.00	\$225,000.00	\$195,000.00	\$225,000.00
15	Furnish and Install Miscellaneous Improvements Site No. 18, Complete in Place.	1	LS	\$20,200.00 TOTAL	\$25,000.00	\$20,000.00	\$68,000.00	\$27,000.00	\$35,000.00
16	Furnish and Install Miscellaneous Improvements Site No. 19, Complete in Place.	1	LS	\$44,800.00 TOTAL	\$60,000.00	\$67,000.00	\$93,000.00	\$65,100.00	\$90,000.00
17	Furnish and Install Miscellaneous Improvements Site No. 20, Complete in Place.	1	LS	\$37,300.00 TOTAL	\$20,000.00	\$20,000.00	\$40,000.00	\$32,100.00	\$35,000.00
18	Furnish and Install Miscellaneous Improvements Site No. 21, Complete in Place.	1	LS	\$66,400.00 TOTAL	\$70,000.00	\$77,000.00	\$102,000.00	\$76,000.00	\$100,000.00
19	Furnish and Install Miscellaneous Improvements Site No. 24, Complete in Place.	1	LS	\$77,600.00 TOTAL	\$30,000.00	\$37,000.00	\$50,000.00	\$44,200.00	\$50,000.00
20	Furnish and Install Miscellaneous Improvements Site No. 25, Complete in Place.	1	LS	\$34,500.00 TOTAL	\$30,000.00	\$24,000.00	\$51,000.00	\$35,200.00	\$40,000.00
21	Furnish and Install Miscellaneous Improvements Site No. 26, Complete in Place.	1	LS	\$52,800.00 TOTAL	\$40,000.00	\$37,000.00	\$50,000.00	\$45,000.00	\$50,000.00
22	Remove, Dispose, and Furnish and Install Subgrade, Base Course Material, and 2-Inch Thick HMA, Complete in Place	1,500	SY	\$11.00 UNIT \$16,500.00 TOTAL	\$40.00 \$60,000.00	\$34.00 \$51,000.00	\$20.00 \$30,000.00	\$42.00 \$63,000.00	\$45.00 \$67,500.00
23	Remove, Dispose of, and Furnish and Install Curb and Gutter, Complete in Place	100	LF	\$4.00 UNIT \$400.00 TOTAL	\$25.00 \$2,500.00	\$38.00 \$3,800.00	\$25.00 \$2,500.00	\$25.00 \$2,500.00	\$25.50 \$2,550.00
24	Remove, Dispose of, and Replace or Furnish and Install Concrete Sidewalks, Complete in Place	650	SF	\$10.00 UNIT \$6,500.00 TOTAL	\$12.00 \$7,800.00	\$10.00 \$6,500.00	\$5.00 \$3,250.00	\$10.00 \$6,500.00	\$9.00 \$5,850.00
25	Provide air release valves as specified in the plans	1	ALL	\$275,000.00 TOTAL	\$275,000.00	\$275,000.00	\$275,000.00	\$275,000.00	\$275,000.00
26	Provide Subsurface Utility Engineering, Quality Level A in the project area as called for by the Engineer or Owner	20	EA	\$1,000.00 UNIT \$20,000.00 TOTAL	\$1,200.00 \$24,000.00	\$1,000.00 \$20,000.00	\$500.00 \$10,000.00	\$1,000.00 \$20,000.00	\$3,600.00 \$72,000.00
27	Furnish and install cement, stabilized backfill; complete in place	125	CY	\$160.00 UNIT \$20,000.00 TOTAL	\$150.00 \$18,750.00	\$115.00 \$14,375.00	\$75.00 \$9,375.00	\$100.00 \$12,500.00	\$120.00 \$15,000.00

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					5% RECIPROCITY APPLIES		NO RECIPROCITY APPLIES		
					\$1,892,450.00				
					\$1,987,072.50	\$2,048,675.00	\$2,137,125.00	\$2,254,900.00	\$2,327,900.00
					NONRESIDENT BIDDER BID BOND PROVIDED	RESIDENT BIDDER BID BOND PROVIDED	NONRESIDENT BIDDER BID BOND PROVIDED	RESIDENT BIDDER BID BOND PROVIDED	RESIDENT BIDDER BID BOND PROVIDED
	TOTAL BID PRICE (ITEMS 1 THROUGH 27)			\$1,720,000.00					