



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

Wednesday, June 08, 2022

SUBJECT

Bid Number 30-22, Northeast Aquifer Storage and Recovery (ASR) Enhanced Arroyo Phase I

BACKGROUND

The project provides recharge for the Hueco Bolson aquifer with water reclaimed by the Fred Hervey Water Reclamation Plant. The Enhanced Arroyo provides the infrastructure to provide a cutting-edge modern approach to aquifer recharge, recharge management, and public use in an area uniquely suited geologically for ASR.

STRATEGIC OBJECTIVES SUPPORTED

Improve Land & Water Management

EVALUATION PROCESS

EPWater received four bids for this project on April 5, 2022. The bidders were ZTEX Construction, Inc.; CSA Constructors; Spartan Construction of Texas, Inc.; and Ultimate Concrete, L.L.C. The bids ranged from \$6,339,000 to \$8,645,597 or 7% below to 27% above the engineer's estimate of \$6,813,539.25.

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

Staff evaluated the engineer's evaluation and recommends award of Bid Number 30-22, Northeast Aquifer Storage and Recovery (ASR) Enhanced Arroyo Phase I, to the lowest responsive, responsible bidder, ZTEX Construction Inc., in the amount of \$6,339,000.

FINANCIAL IMPLICATIONS

Sufficient funds are available in Account Number 3334, and the funding source is the Improvement Fund. The project is funded in part by grants from the United States Bureau of Reclamation (USBR) in the estimated amount of \$1,584,750 or 25%, and by the Defense Economic Adjustment Assistance Grant (DEAAG) in the estimated amount of \$4,000,000 or 63%.

PROPOSED ACTION REQUESTED

Consider and award Bid Number 30-22, Northeast Aquifer Storage and Recovery (ASR) Enhanced Arroyo Phase I, to the lowest responsive, responsible bidder, ZTEX Construction Inc., in the amount of \$6,339,000.

SUPPORTING DOCUMENTATION PROVIDED

- Bid tab

Prepared By: Y.K
 Reviewed By: de
 Reviewed By: AS
 Reviewed By: nm
 Date: 4/20/22

PUBLIC SERVICE BOARD - EL PASO WATER UTILITIES

TABULATION OF BIDS FOR: NORTHEAST AQUIFER STORAGE AND RECOVERY (ASR) ENHANCED ARROYO PHASE 1

BID TO BE OPENED: APRIL 5, 2022 at 2:00 PM

BID NUMBER: 30-22

ITEM	DESCRIPTION	QTY	UNIT	ENGINEER'S ESTIMATE	ZTEX CONSTRUCTION INC.	CSA CONSTRUCTORS	SPARTAN CONSTRUCTION OF TEXAS, INC	ULTIMATE CONCRETE, LLC
					1326 Herry Brennan Dr. El Paso, Texas 79936	1845 Northwestern Dr., Suite C El Paso, Texas 79912	5780 N Mesa St El Paso, Texas 79912	12380 Edgemere Ste. 102 PMB #136 El Paso, Texas 79938
1	Insurance, Bonds, and Move-In Related Expenses, Not to Exceed 5% of Bid Item Nos. 2 through 39. If Item No. 1 exceeds 5%, bid may be deemed non responsive).	1	LS	\$324,454.25 TOTAL	\$199,205.00	\$198,834.40	\$264,962.50 Bidder's Total: \$264,963.00	\$411,695.00
2	Trench Safety System: Trench Box Method or Shoring, Sheeting, and Bracing	4,210	LF	\$1.00 UNIT \$4,210.00 TOTAL	\$3.00 \$12,630.00	\$1.27 \$5,346.70	\$2.81 \$11,830.10 Bidder's Total: \$11,867.00	\$2.00 \$8,420.00
3	Traffic Control Plan and Implementation	1	LS	\$10,000.00 TOTAL	\$39,084.00	\$15,240.00	\$19,196.00	\$7,500.00
4	Furnish and Install 24-Inch PVC Pipe and Fittings in Trench, Complete in Place	1,300	LF	\$355.00 UNIT \$461,500.00 TOTAL	\$333.00 \$432,900.00	\$365.00 \$474,500.00	\$302.40 \$393,120.00 Bidder's Total: \$393,130.00	\$288.25 \$374,725.00
5	Furnish and Install 20-Inch PVC Pipe and Fittings in Trench, Complete in Place	1,250	LF	\$260.00 UNIT \$325,000.00 TOTAL	\$225.00 \$281,250.00	\$257.00 \$321,250.00	\$200.93 \$251,162.50 Bidder's Total: \$251,166.00	\$198.25 \$247,812.50
6	Furnish and Install 16-Inch PVC Pipe and Fittings in Trench, Complete in Place	850	LF	\$160.00 UNIT \$136,000.00 TOTAL	\$161.00 \$136,850.00	\$172.00 \$146,200.00	\$138.92 \$118,082.00	\$143.75 \$122,187.50
7	Furnish and Install 12-Inch PVC Pipe and Fittings in Trench, Complete in Place	810	LF	\$90.00 UNIT \$72,900.00 TOTAL	\$105.00 \$85,050.00	\$125.00 \$101,250.00	\$89.27 \$72,308.70 Bidder's Total: \$72,312.00	\$97.50 \$78,975.00
8	Furnish and Install 24-Inch Diameter Manually Operated Gate Valve with Bonnet Box	2	EA	\$45,000.00 UNIT \$90,000.00 TOTAL	\$38,388.00 \$76,776.00	\$41,592.00 \$83,184.00	\$33,132.17 \$66,264.34	\$27,160.00 \$54,320.00

Prepared By: Y.K.
 Reviewed By: [Signature]
 Reviewed By: [Signature]
 Reviewed By: [Signature]
 Date: 4/20/22

PUBLIC SERVICE BOARD - EL PASO WATER UTILITIES

TABULATION OF BIDS FOR: NORTHEAST AQUIFER STORAGE AND RECOVERY (ASR) ENHANCED ARROYO PHASE 1

BID TO BE OPENED: APRIL 5, 2022 at 2:00 PM

BID NUMBER: 30-22

ITEM	DESCRIPTION	QTY	UNIT	ENGINEER'S ESTIMATE	ZTEX CONSTRUCTION INC.	CSA CONSTRUCTORS	SPARTAN CONSTRUCTION OF TEXAS, INC	ULTIMATE CONCRETE, LLC
					1326 Herry Brennan Dr. El Paso, Texas 79936	1845 Northwestern Dr., Suite C El Paso, Texas 79912	5780 N Mesa St El Paso, Texas 79912	12380 Edgemere Ste. 102 PMB #136 El Paso, Texas 79938
							Bidder's Total:	
							\$66,264.00	
9	Furnish and Install 20-Inch Diameter Manually Operated Gate Valve with Bonnet Box	1	EA	\$36,000.00 TOTAL	\$28,542.00	\$28,892.00	\$24,675.92	\$19,670.00
							Bidder's Total:	
							\$24,676.00	
10	Furnish and Install 16-Inch Diameter Manually Operated	1	EA	\$15,000.00 TOTAL	\$14,619.00	\$14,287.00	\$14,291.52	\$10,860.00
							Bidder's Total:	
							\$14,292.00	
11	Furnish and Install 12-Inch Diameter Manually Operated Gate Valve with Bonnet Box	1	EA	\$5,500.00 TOTAL	\$5,063.00	\$5,397.00	\$5,081.65	\$4,570.00
							Bidder's Total:	
							\$5,082.00	
12	Furnish and Install Blow Off Valve with Manhole	1	EA	\$8,000.00 TOTAL	\$12,309.00	\$17,145.00	\$7,432.45	\$11,230.00
							Bidder's Total:	
							\$7,432.00	
13	Furnish and Install 2-inch Combination Air Release Valve	1	EA	\$13,000.00 TOTAL	\$12,303.00	\$16,510.00	\$20,398.70	\$22,865.00
							Bidder's Total:	
							\$20,399.00	
14	Furnish and Install 16"x16"x12" Tapping Sleeve and 12-	1	LS	\$15,000.00 TOTAL	\$11,176.00	\$10,795.00	\$15,506.95	\$9,490.00
							Bidder's Total:	
							\$15,507.00	
15	Furnish and Install 8-inch Injection Pipe, 8-inch Motor Operated Gate Valve, 6-inch Mag-Meter, and Water Tight Vault, 8-inch Rubber Duckbill Valve	4	LS	\$70,000.00 UNIT \$280,000.00 TOTAL	\$45,915.00 \$183,660.00	\$44,450.00 \$177,800.00	\$30,660.20 \$122,640.80	\$27,530.00 \$110,120.00
							Bidder's Total:	
							\$122,641.00	
16	Cut Material for the Enhanced Arroyo	277,100	CY	\$9.00 UNIT \$2,493,900.00 TOTAL	\$8.00 \$2,216,800.00	\$8.57 \$2,374,747.00	\$11.06 \$3,064,726.00	\$16.00 \$4,433,600.00
							Bidder's Total:	
							\$3,066,860.00	

Prepared By: U.R.
 Reviewed By: cl
 Reviewed By: [Signature]
 Reviewed By: [Signature]
 Date: 4/20/22

PUBLIC SERVICE BOARD - EL PASO WATER UTILITIES

TABULATION OF BIDS FOR: NORTHEAST AQUIFER STORAGE AND RECOVERY (ASR) ENHANCED ARROYO PHASE 1

BID TO BE OPENED: APRIL 5, 2022 at 2:00 PM

BID NUMBER: 30-22

ITEM	DESCRIPTION	QTY	UNIT	ENGINEER'S ESTIMATE	ZTEX CONSTRUCTION INC.	CSA CONSTRUCTORS	SPARTAN CONSTRUCTION OF TEXAS, INC	ULTIMATE CONCRETE, LLC
					1326 Hemy Brennan Dr. El Paso, Texas 79936	1845 Northwestern Dr., Suite C El Paso, Texas 79912	5780 N Mesa St El Paso, Texas 79912	12380 Edgemere Ste. 102 PMB #136 El Paso, Texas 79938
17	Parking Lot Asphalt Paving (2-inch HMAC Type C); Compacted 8-inch Base	870	SY	\$45.00 UNIT \$39,150.00 TOTAL	\$37.20 \$32,364.00	\$38.10 \$33,147.00	\$38.50 \$33,495.00 Bidder's Total: \$33,502.00	\$24.75 \$21,532.50
18	Hiking Trail, Biking Trail, and Walking Trail Asphalt Paving (1.5" HMAC Type C)	5,500	SY	\$40.00 UNIT \$220,000.00 TOTAL	\$25.50 \$140,250.00	\$31.75 \$174,625.00	\$27.57 \$151,635.00 Bidder's Total: \$151,655.00	\$22.75 \$125,125.00
19	Header Curb for Hike and Bike Trail (Primary Trail)	7,040	LF	\$25.00 UNIT \$176,000.00 TOTAL	\$15.00 \$105,600.00	\$16.51 \$116,230.40	\$13.28 \$93,491.20 Bidder's Total: \$93,528.00	\$15.00 \$105,600.00
20	Concrete Weir Structure	4	LS	\$35,000.00 UNIT \$140,000.00 TOTAL	\$70,764.00 \$283,056.00	\$92,075.00 \$368,300.00	\$67,552.35 \$270,209.40 Bidder's Total: \$270,209.00	\$43,800.00 \$175,200.00
21	Furnish and Install Rockwall Overlooks and Landing	4	LS	\$15,000.00 UNIT \$60,000.00 TOTAL	\$7,308.00 \$29,232.00	\$19,685.00 \$78,740.00	\$14,657.50 \$58,630.00	\$10,940.00 \$43,760.00
22	Furnish and Install Retaining Rockwall	475	LF	\$150.00 UNIT \$71,250.00 TOTAL	\$114.00 \$54,150.00	\$198.00 \$94,050.00	\$253.68 \$120,498.00 Bidder's Total: \$120,502.00	\$800.00 \$380,000.00
23	Furnish and Install Gabion Baskets	460	CY	\$195.00 UNIT \$89,700.00 TOTAL	\$196.00 \$90,160.00	\$222.00 \$102,120.00	\$417.17 \$191,898.20 Bidder's Total: \$191,901.00	\$168.00 \$77,280.00
24	Furnish and Install Gabion Mattress	1,350	CY	\$195.00 UNIT \$263,250.00 TOTAL	\$289.00 \$390,150.00	\$215.00 \$290,250.00	\$310.06 \$418,581.00 Bidder's Total: \$418,584.00	\$205.00 \$276,750.00

Prepared By: U.R.
 Reviewed By: ck
 Reviewed By: TS
 Reviewed By: nm
 Date: 4/26/22

PUBLIC SERVICE BOARD - EL PASO WATER UTILITIES

TABULATION OF BIDS FOR: NORTHEAST AQUIFER STORAGE AND RECOVERY (ASR) ENHANCED ARROYO PHASE 1

BID TO BE OPENED: APRIL 5, 2022 at 2:00 PM

BID NUMBER: 30-22

ITEM	DESCRIPTION	QTY	UNIT	ENGINEER'S ESTIMATE	ZTEX CONSTRUCTION INC.	CSA CONSTRUCTORS	SPARTAN CONSTRUCTION OF TEXAS, INC	ULTIMATE CONCRETE, LLC
					1326 Herry Brennan Dr. El Paso, Texas 79936	1845 Northwestern Dr., Suite C El Paso, Texas 79912	5780 N Mesa St El Paso, Texas 79912	12380 Edgemere Ste. 102 PMB #136 El Paso, Texas 79938
25	Stormwater Pollution Prevention Best Management Practices	1	LS	\$50,000.00 TOTAL	\$40,236.00	\$27,940.00	\$86,946.25 Bidder's Total: \$86,946.00	\$20,210.00
26	Concrete Driveways	65	SY	\$75.00 UNIT \$4,875.00 TOTAL	\$87.00 \$5,655.00	\$63.50 \$4,127.50	\$71.03 \$4,616.95 Bidder's Total: \$4,617.00	\$58.00 \$3,770.00
27	Maintenance Roads (3-inch Rock Screening)	7,200	SY	\$8.00 UNIT \$57,600.00 TOTAL	\$5.00 \$36,000.00	\$7.62 \$54,864.00	\$6.95 \$50,040.00 Bidder's Total: \$50,053.00	\$6.75 \$48,600.00
28	Furnish and Install 6-inch to 8-inch Loose Rock Rip Rap	750	SY	\$90.00 UNIT \$67,500.00 TOTAL	\$21.00 \$15,750.00	\$34.29 \$25,717.50	\$23.01 \$17,257.50 Bidder's Total: \$17,263.00	\$60.75 \$45,562.50
29	Shade Trees	114	EA	\$300.00 UNIT \$34,200.00 TOTAL	\$586.00 \$66,804.00	\$806.00 \$91,884.00	\$338.25 \$38,560.50 Bidder's Total: \$38,561.00	\$537.00 \$61,218.00
30	Ornamental Trees	107	EA	\$250.00 UNIT \$26,750.00 TOTAL	\$283.00 \$30,281.00	\$806.00 \$86,242.00	\$366.43 \$39,208.01 Bidder's Total: \$39,209.00	\$537.00 \$57,459.00
31	Irrigation - Valves, Pipe, Controller and all Appurtenances	1	EA	\$100,000.00 TOTAL	\$87,030.00	\$97,536.00	\$84,562.50 Bidder's Total: \$84,563.00	\$81,600.00
32	Boulders	524	EA	\$200.00 UNIT \$104,800.00 TOTAL	\$167.00 \$87,508.00	\$381.00 \$199,644.00	\$338.25 \$177,243.00	\$72.50 \$37,990.00
33	Entry Monument	1	EA	\$10,000.00 TOTAL	\$13,125.00	\$44,500.00	\$22,550.00	\$6,200.00

Prepared By: Y.R.
 Reviewed By: CC
 Reviewed By: DS
 Reviewed By: nm
 Date: 4/20/22

PUBLIC SERVICE BOARD - EL PASO WATER UTILITIES

TABULATION OF BIDS FOR: NORTHEAST AQUIFER STORAGE AND RECOVERY (ASR) ENHANCED ARROYO PHASE 1

BID TO BE OPENED: APRIL 5, 2022 at 2:00 PM

BID NUMBER: 30-22

ITEM	DESCRIPTION	QTY	UNIT	ENGINEER'S ESTIMATE	ZTEX CONSTRUCTION, INC. 1326 Herry Brennan Dr. El Paso, Texas 79936	CSA CONSTRUCTORS 1845 Northwestern Dr., Suite C El Paso, Texas 79912	SPARTAN CONSTRUCTION OF TEXAS, INC 5780 N Mesa St El Paso, Texas 79912	ULTIMATE CONCRETE, LLC 12380 Edgemere Ste. 102 PMB #136 El Paso, Texas 79938
34	Removable Bollards	7	EA	\$1,500.00 UNIT \$10,500.00 TOTAL	\$625.00 \$4,375.00	\$825.00 \$5,775.00	\$1,540.01 \$10,780.07 Bidder's Total: \$10,780.00	\$530.00 \$3,710.00
35	Benches with Concrete Pad	3	EA	\$3,000.00 UNIT \$9,000.00 TOTAL	\$4,988.00 \$14,964.00	\$4,425.00 \$13,275.00	\$3,760.65 \$11,281.95 Bidder's Total: \$11,282.00	\$2,350.00 \$7,050.00
36	Trash Cans with Concrete Pad	4	EA	\$2,000.00 UNIT \$8,000.00 TOTAL	\$2,563.00 \$10,252.00	\$1,270.00 \$5,080.00	\$3,929.77 \$15,719.08 Bidder's Total: \$15,719.00	\$1,300.00 \$5,200.00
37	2" Water Meter	1	EA	\$7,500.00 TOTAL	\$5,625.00	\$9,525.00	\$13,231.65 Bidder's Total: \$13,232.00	\$1,140.00
38	Electrical and SCADA System Integration	1	LS	\$873,000.00 TOTAL	\$935,820.00	\$920,750.00	\$834,350.00	\$952,600.00
39	Fiberglass Building (Insulation, Lighting, Exhaust Fan, Foundation, and all Appurtenances)	1	LS	\$100,000.00 TOTAL	\$112,396.00	\$114,300.00	\$97,162.10 Bidder's Total: \$97,162.00	\$180,000.00
TOTAL BID PRICE (ITEMS 1 THROUGH 39)				\$6,813,539.25 TOTAL	\$6,339,000.00	\$6,950,000.50 Bidder's Total: \$6,950,000.00	\$7,313,627.49 Bidder's Total: \$7,315,909.00	\$8,645,597.00
					RESIDENT BIDDER BID BOND PROVIDED	RESIDENT BIDDER BID BOND PROVIDED	RESIDENT BIDDER BID BOND PROVIDED	RESIDENT BIDDER BID BOND PROVIDED