



**CONTRACT**



Contract #



Dept.



E N G I N E E R I N G

Doc Type:



C O N T R A C T

Amend/ Chg  
Order #



Contract Document Type:

Amt:



9 2 4 7 2 2 7

**AWARD OF BID**

Contract Type: **OTHER**

Project Title: **HAIKEY CREEK WWTP FEB IMPROVEMENTS**

Contractor: **CROSSLAND HEAVY CONTRACTORS, INC.**

Bid/TAC/  
Proj:



E S 2 0 1 0 - 0 8 C 2

Ext  
Days



Pct



0

Tot  
Pct



0

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CH2M HILL  
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Tulsa, OK  
74103  
Tel 918.583.3057  
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November 21, 2016

Mr. Aaron Johnson  
City of Tulsa  
2317 South Jackson Avenue  
Tulsa, OK 74107

Re: Haikey Creek Wastewater Treatment Plant Flow Equalization Basin Improvements  
Project No. RMUA Project No. ES 2010-08, Contract 2, Broken Arrow PN HC1103

Dear Mr. Johnson:

Bids for the Haikey Creek Wastewater Treatment Plant Flow Equalization Basin Improvements project were received and opened publicly on November 18, 2016. There were two (2) bids received with pricing ranging from \$9,247,227.00 to \$10,929,180.00

The apparent low bidder is Crossland Heavy Contractors, Inc. of Tulsa, OK with a bid of \$9,247,227.00. Crossland Heavy Contractors, Inc. bid was 13% below the Engineer's Estimate of \$10,676,516.00.

Therefore we recommend award of bid to Crossland Heavy Contractors in the amount of \$9,247,227.00.

Submitted by:

CH2M

Mark A. Mulder, P.E.  
Project Manager

cc: Tony Patete, City of Tulsa  
Lars Ostervold, Jr., CH2M



ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY	ENGINEER'S ESTIMATE		Crossland Heavy Contractors		Daris Contractors	
				UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION
1	01 29 00 MOBILIZATION	EA	1	\$300,000.00	\$300,000.00	\$300,272.25	\$300,272.25	\$250,000.00	\$250,000.00
2	01 11 00 FLOW DIVERSION STRUCTURE, COMPLETE	EA	1	\$1,723,366.00	\$1,723,366.00	\$1,290,000.00	\$1,290,000.00	\$1,685,000.00	\$1,685,000.00
3	01 11 00 PRE-SEDIMENTATION BASIN, COMPLETE	EA	1	\$880,450.00	\$880,450.00	\$450,000.00	\$450,000.00	\$551,000.00	\$551,000.00
4	01 11 00 RETURN PUMP STATION, COMPLETE	EA	1	\$986,873.00	\$986,873.00	\$840,000.00	\$840,000.00	\$834,704.50	\$834,704.50
5	01 11 00 RETURN PUMP STATION VALVE VAULT, COMPLETE	EA	1	\$93,253.00	\$93,253.00	\$35,000.00	\$35,000.00	\$54,800.00	\$54,800.00
6	01 11 00 RETURN PUMP STATION FLOW METER VAULT, COMPLETE	EA	1	\$93,253.00	\$93,253.00	\$36,000.00	\$36,000.00	\$45,000.00	\$45,000.00
7	01 11 00 RETURN PUMP STATION ELECTRIC BUILDING, COMPLETE	EA	1	\$102,676.00	\$102,676.00	\$450,000.00	\$450,000.00	\$430,000.00	\$430,000.00
8	01 11 00 DISINFECTION BUILDING IMPROVEMENTS, COMPLETE	EA	1	\$345,079.00	\$345,079.00	\$560,000.00	\$560,000.00	\$625,000.00	\$625,000.00
9	40 27 02 BACKFLOW PREVENTOR ASSEMBLY AND ENCLOSURE	EA	1	\$25,000.00	\$25,000.00	\$18,000.00	\$18,000.00	\$20,000.00	\$20,000.00
10	31 32 36 XR-5 LINER MATERIAL AND APPURTANCES	SF	251,000	\$1.50	\$376,500.00	\$1.65	\$414,150.00	\$1.80	\$451,800.00
11	02 41 00 DEMOLITION	EA	1	\$45,000.00	\$45,000.00	\$85,000.00	\$85,000.00	\$115,000.00	\$115,000.00
12	C-2 EROSION CONTROL, DISTURBED AREA	ACRES	25	\$5,000.00	\$125,000.00	\$200.00	\$5,000.00	\$1,200.00	\$30,000.00
13	03 30 00 CONCRETE FILL, HEADWALLS, ENERGY DISSIPATOR, PIPE SUPPORTS, STAIRS AND SLABS, VALLEY GUTTER	CY	400	\$500.00	\$200,000.00	\$575.00	\$230,000.00	\$570.00	\$228,000.00
14	03 30 00 CONCRETE WALLS AND ELEVATED SLABS	CY	80	\$650.00	\$52,000.00	\$850.00	\$68,000.00	\$2,000.00	\$160,000.00
15	C-3 CONCRETE SIDEWALKS AND MOW STRIP	SY	1,050	\$61.00	\$64,050.00	\$60.00	\$63,000.00	\$70.00	\$73,500.00
16	03 30 00 FLOWABLE FILL	CY	1,450	\$140.00	\$203,000.00	\$90.00	\$130,500.00	\$100.00	\$145,000.00
17	03 62 00 GROUT	CY	40	\$250.00	\$10,000.00	\$165.00	\$6,600.00	\$225.00	\$9,000.00
18	C-7 ASPHALT PAVING	SY	4,960	\$50.00	\$248,000.00	\$34.00	\$168,640.00	\$33.00	\$163,680.00
19	C-7 ASPHALT ROADWAY REMOVAL AND REPLACEMENT	SY	200	\$71.00	\$14,200.00	\$46.50	\$9,300.00	\$60.00	\$12,000.00
20	31 23 23 IMPORTED SAND	CY	27,335	\$28.00	\$765,380.00	\$13.75	\$375,856.25	\$15.00	\$410,025.00
21	31 23 16 EXCAVATION UNCLASSIFIED	CY	38,347	\$6.00	\$230,082.00	\$5.50	\$210,908.50	\$9.50	\$364,296.50
22	31 23 23 EARTH FILL FOR COMPACTED EMBANKMENT	CY	65,682	\$5.00	\$328,410.00	\$4.00	\$262,728.00	\$10.00	\$656,820.00
23	32 92 00 SOLID SLAB BERMUDA SODDING	SF	300,000	\$2.10	\$630,000.00	\$0.30	\$90,000.00	\$0.35	\$105,000.00
24	05 53 00 STAINLESS STEEL GRATING	SF	900	\$175.00	\$157,500.00	\$128.00	\$115,200.00	\$205.00	\$184,500.00
25	05 52 00 STAINLESS STEEL HANDRAIL	LF	180	\$218.00	\$39,240.00	\$128.00	\$23,040.00	\$150.00	\$27,000.00
26	33 41 01 15" RCP SD	LF	49	\$60.00	\$2,940.00	\$55.00	\$2,695.00	\$95.00	\$4,655.00
27	33 41 01 18" RCP SD	LF	28	\$71.00	\$1,988.00	\$64.00	\$1,792.00	\$105.00	\$2,940.00
28	33 41 01 24" RCP SD	LF	406	\$95.00	\$38,570.00	\$80.00	\$32,480.00	\$75.00	\$30,450.00
29	33 05 16.13 STORM DRAIN MANHOLES (4'-8")	EA	6	\$5,500.00	\$33,000.00	\$2,900.00	\$17,400.00	\$3,200.00	\$19,200.00
30	40 27 00 4" DIP NONPOTABLE (W2), BURIED AND ABOVE GRADE WITH FITTINGS	LF	170	\$55.00	\$9,350.00	\$84.00	\$14,280.00	\$104.00	\$17,680.00
31	40 27 00 4" DIP PLANT EFFLUENT WATER (W3) ABOVE GRADE WITH FITTINGS	LF	50	\$55.00	\$2,750.00	\$370.00	\$18,500.00	\$430.00	\$21,500.00
32	40 27 00 6" DIP PLANT EFFLUENT WATER (W3) ABOVE GRADE WITH FITTINGS	LF	12	\$90.00	\$1,080.00	\$380.00	\$4,560.00	\$380.00	\$4,560.00
33	40 27 00 6" DIP NONPOTABLE (W2) ABOVE GRADE WITH FITTINGS	LF	1,639	\$90.00	\$147,510.00	\$96.00	\$157,344.00	\$120.00	\$196,680.00
34	40 27 00 6" DIP NONPOTABLE (W2) BUINED WITH FITTINGS	LF	740	\$90.00	\$66,600.00	\$64.00	\$47,360.00	\$100.00	\$74,000.00
35	40 27 00 18" DIP, WITH FITTINGS	LF	1161	\$200.00	\$232,200.00	\$280.00	\$325,080.00	\$235.00	\$272,835.00
36	40 27 00 18" FRP, BUINED WITH FITTINGS	LF	1,410	\$185.00	\$260,850.00	\$130.00	\$183,300.00	\$130.00	\$183,300.00
37	40 27 00 24" DIP, BUINED AND ABOVE GRADE WITH FITTINGS	LF	50	\$180.00	\$9,000.00	\$845.00	\$42,250.00	\$900.00	\$45,000.00
38	40 27 00 36" DIP, BUINED AND ABOVE GRADE WITH FITTINGS	LF	494	\$240.00	\$118,560.00	\$1,065.00	\$526,110.00	\$1,200.00	\$592,800.00
39	40 27 00 36" FRP, BURIED WITH FITTINGS	LF	1,730	\$280.00	\$484,400.00	\$225.00	\$389,250.00	\$250.00	\$432,500.00
40	40 27 00 54" DIP, BUINED WITH FITTINGS	LF	412	\$800.00	\$329,600.00	\$885.00	\$364,620.00	\$950.00	\$391,400.00
41	01 31 19 36" RS (S. SHERIDAN) TIE-IN WEST OF FLOW DIVERSION STR	EA	1	\$38,000.00	\$38,000.00	\$20,000.00	\$20,000.00	\$50,000.00	\$50,000.00
42	01 31 19 30" RS (HAIKEY CREEK) TIE-IN WEST OF FLOW DIVERSION STR	EA	1	\$32,000.00	\$32,000.00	\$15,000.00	\$15,000.00	\$28,000.00	\$28,000.00
43	01 31 19 24" RS (HAIKEY CREEK) TIE-IN WEST OF FLOW DIVERSION STR	EA	1	\$26,000.00	\$26,000.00	\$8,000.00	\$8,000.00	\$24,000.00	\$24,000.00
44	01 31 19 54" RS ELEVATED TIE-IN TO HEADWORKS	EA	1	\$56,000.00	\$56,000.00	\$200,000.00	\$200,000.00	\$240,000.00	\$240,000.00
45	40 27 00 CHEMICAL DUCT BANK, 4" CPVC AND 0.5" FLEXIBLE TUBING	LF	210	\$55.00	\$11,550.00	\$54.00	\$11,340.00	\$75.00	\$15,750.00
46	C-8 GUARD POSTS	EA	20	\$1,400.00	\$28,000.00	\$850.00	\$17,000.00	\$650.00	\$13,000.00
47	E-10 ELECTRICAL DUCTBANK (2-5" CONDUIT)	LF	1,482	\$6.00	\$8,892.00	\$78.00	\$115,596.00	\$76.00	\$112,632.00
48	E-10 ELECTRICAL DUCTBANK (2-2" CONDUIT) AND FO	LF	1,162	\$160.00	\$185,920.00	\$67.00	\$77,854.00	\$66.00	\$76,692.00
49	E-10 ELECTRICAL DUCTBANK (2-1" CONDUIT)	LF	355	\$120.00	\$42,600.00	\$45.00	\$15,975.00	\$45.00	\$15,975.00
50	E-10 ELECTRICAL DUCTBANK (2-2" CONDUIT)	LF	292	\$170.00	\$49,640.00	\$47.00	\$13,724.00	\$47.00	\$13,724.00
51	40 27 02 4" V134 GATE VALVE	EA	1	\$800.00	\$800.00	\$480.00	\$480.00	\$525.00	\$525.00
52	40 27 02 4" V135 GATE VALVE BURIED	EA	2	\$1,000.00	\$2,000.00	\$925.00	\$1,850.00	\$990.00	\$1,980.00
53	40 27 02 12" V406 PLUG VALVE	EA	2	\$5,000.00	\$10,000.00	\$2,780.00	\$5,560.00	\$2,800.00	\$5,600.00
54	40 27 02 18" V406 PLUG VALVE BURIED	EA	1	\$8,000.00	\$8,000.00	\$6,220.00	\$6,220.00	\$6,400.00	\$6,400.00
55	40 27 02 12" V608 CHECK VALVE	EA	2	\$3,000.00	\$6,000.00	\$4,150.00	\$8,300.00	\$4,300.00	\$8,600.00
56	40 27 02 2 1/2" WASHDOWN HYDRANT ASSEMBLY	EA	16	\$1,300.00	\$20,800.00	\$2,025.00	\$32,400.00	\$3,000.00	\$48,000.00
57	40 27 02 WATER CANNON ASSEMBLY	EA	10	\$7,000.00	\$70,000.00	\$4,675.00	\$46,750.00	\$5,400.00	\$54,000.00
58	40 27 02 4" V920 PRESSURE RELIEF VALVES	EA	10	\$1,500.00	\$15,000.00	\$275.00	\$2,750.00	\$500.00	\$5,000.00
59	C-8 6-FOOT CHAIN LINK FENCE W/3-STRAND BARB WIRE AND GATES	LF	1,482	\$22.00	\$32,604.00	\$16.00	\$23,712.00	\$18.00	\$26,676.00
60	31 23 23 TEMPORARY CONSTRUCTION ACCESS TO EXISTING FEB	EA	1	\$6,000.00	\$6,000.00	\$10,500.00	\$10,500.00	\$12,000.00	\$12,000.00
61	01 29 00 OWNER'S ALLOWANCE	EA	1	\$250,000.00	\$250,000.00	\$250,000.00	\$250,000.00	\$250,000.00	\$250,000.00
<b>TOTAL BASE BID:</b>					<b>\$10,676,516.00</b>		<b>\$9,247,227.00</b>		<b>\$10,929,186.00</b>

SUBMITTED

APPROVED

CITY OF TULSA, OK, ENGINEERING SERVICES

We the Undersigned, CH2M, hereby certify that this is a true and correct Tabulation of Bids received by the Regional Metropolitan Utility Authority, November 20, 2016.

By: *Mark A. Mulder*  
 Mark A. Mulder, P.E. - Oklahoma Engineer #24168



*[Signature]*  
 City Engineer