

Mitchell & Associates, Inc.

Engineering & Surveying

City of Killeen
Mr. David A. Olson, PE, C.F.M.
Director of Transportation
3201-A South WS Young Drive
Killeen, TX 76542

February 5, 2018

REF: City of Killeen
Rosewood Drive Extension Project No. 18-04
CSJ# 909-36-152, ETC.
Bell County, Texas

Dear Mr. Olson :

This letter addresses the bid analysis for the Rosewood Drive Extension Project on which sealed bids were received by the City of Killeen Purchasing Manager through 3:15 PM January 31, 2016. There were four (4) bids received and the sealed envelopes containing the bids were opened publicly and read aloud by myself in the City of Killeen's City Hall Council Chambers located on first floor at 101 N. College St, Killeen TX. 76542. The City of Killeen Staff and all bidders were present for the bid opening. Attached to this letter is a Bid Tabulation Summary Sheet for the Bids received and a detailed bid tabulation for each of the four (4) bids received for your use.

The low Bidder for the project was James Construction Group, LLC; 5880 US 190 Frontage Rd, Suite 100, Belton, TX 76513 in the amount of \$7,826,151.27 which is the total bid price for the project shown on the Bid Schedule.

The Engineer's Opinion of Probable Cost (OPC) for the project was \$9,978,936.09. This calculates to a difference of \$2,152,784.82 or (21.57%) below the OPC. The bid provided meet all the requirements for the required bidding information as called out in the Project Manual.

I therefore recommend that the City of Killeen award Bid NO. 18-04, Rosewood Drive Extension Project (CSJ: 0909-36-152, ETC.) in the amount of \$7,826,151.27. If you have any questions or comments regarding this recommendation please contact me.

Sincerely,

Ben Wilson, PE
Mitchell & Associates, Inc.



102 N. College Street, P.O. Box 1088, Killeen, Texas 76541
www.mitchellassociateskilleen.com (254) 634-5541
Professional Engineers Firm Registration Number 3241
Professional Land Surveyors Firm Registration Number 100204-00

BID TABULATION SUMMARY SHEET

JAMES CONSTRUCTION GROUP, LLC							ENGINEERS OPC		
BID No.	ITEM NO	DESC CODE	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
1	100	6001	PREPARING ROW	197.36	STA	\$ 1,520.00	\$ 299,987.20	\$ 3,500.00	\$ 690,760.00
2	110	6001	EXCAVATION (ROADWAY)	18210	CY	\$ 8.50	\$ 154,785.00	\$ 8.50	\$ 154,785.00
3	110	6002	EXCAVATION (CHANNEL)	1920	CY	\$ 12.50	\$ 24,000.00	\$ 13.00	\$ 24,960.00
4	132	6003	EMBANKMENT (ORD COMP) (TY B)	23581	CY	\$ 6.80	\$ 160,350.80	\$ 4.50	\$ 106,114.50
5	132	6025	EMBANKMENT (FINAL) (DENS CONT)(AS)	9840	CY	\$ 26.00	\$ 255,840.00	\$ 10.00	\$ 98,400.00
6	132	6026	EMBANKMENT (FINAL) (DENS CONT)(DS)	8642	CY	\$ 26.00	\$ 224,692.00	\$ 10.00	\$ 86,420.00
7	160	6003	FURNISH AND PLACE TOPSOIL (4")	34720	SY	\$ 3.00	\$ 104,160.00	\$ 1.50	\$ 52,080.00
8	164	6003	BROADCAST SEED (PERM)(RURAL)(CLAY)	34720	SY	\$ 0.26	\$ 9,027.20	\$ 0.40	\$ 13,888.00
9	164	6009	BROADCAST SEED (TEMP) (WARM)	34720	SY	\$ 0.21	\$ 7,291.20	\$ 0.40	\$ 13,888.00
10	166	6002	FERTILIZER (20-10-20)	2.87	TON	\$ 586.00	\$ 1,681.82	\$ 950.00	\$ 2,726.50
11	168	6001	VEGETATIVE WATERING	563.8	MG	\$ 20.00	\$ 11,276.00	\$ 15.00	\$ 8,457.00
12	247	6041	FL BS (CMP IN PLC)(TYA GR1-2)(FNAL POS)	8824	CY	\$ 36.00	\$ 317,664.00	\$ 50.00	\$ 441,200.00
13	260	6002	HYDRATED LIME (SLURRY)	502.5	TON	\$ 163.40	\$ 82,108.50	\$ 60.00	\$ 30,150.00
14	260	6073	LIME TRT SUBGRADE (8")	20680	SY	\$ 2.10	\$ 43,428.00	\$ 4.25	\$ 87,890.00
15	275	6001	CEMENT	3.2	TON	\$ 1.00	\$ 3.20	\$ 165.00	\$ 528.00
16	275	6029	CEMENT TRT NEW BASE (4")	537	SY	\$ 24.00	\$ 12,888.00	\$ 2.50	\$ 1,342.50
17	310	6027	PRIME COAT(MC-30 OR AE-P)	4778	GAL	\$ 3.60	\$ 17,200.80	\$ 3.50	\$ 16,723.00
18	341	6040	D-GR HMA TY-D (PG 64-22)	3227	TON	\$ 67.00	\$ 216,209.00	\$ 85.00	\$ 274,295.00
19	400	6001	STRUCTURAL EXCAVATION	456	CY	\$ 1.00	\$ 456.00	\$ 7.50	\$ 3,420.00
20	402	6001	TRENCH EXCAVATION PROTECTION	613	LF	\$ 1.00	\$ 613.00	\$ 5.00	\$ 3,065.00
21	416	6003	DRILL SHAFT (30 IN)	804	LF	\$ 129.00	\$ 103,716.00	\$ 116.00	\$ 93,264.00
22	416	6004	DRILL SHAFT (36 IN)	621	LF	\$ 160.00	\$ 99,360.00	\$ 123.05	\$ 76,414.05
23	420	6013	CL C CONC (ABUT)	63.4	CY	\$ 800.00	\$ 50,720.00	\$ 950.00	\$ 60,230.00
24	420	6025	CL C CONC (BENT)	100.3	CY	\$ 900.00	\$ 90,270.00	\$ 1,100.00	\$ 110,330.00
25	422	6001	REINF CONC SLAB (CL S)	16740	SF	\$ 18.00	\$ 301,320.00	\$ 14.69	\$ 245,910.60
26	422	6005	CEM STABIL BKFL	110	CY	\$ 120.00	\$ 13,200.00	\$ 58.00	\$ 6,380.00
27	422	6015	APPROACH SLAB	96.2	CY	\$ 450.00	\$ 43,290.00	\$ 500.00	\$ 48,100.00
28	423	6001	RETAINING WALL (MSE)	34266	SF	\$ 36.00	\$ 1,233,576.00	\$ 75.00	\$ 2,569,950.00
29	425	6038	PRESTR CONC GIRDER (TX46)	2148	LF	\$ 131.00	\$ 281,388.00	\$ 120.00	\$ 257,760.00
30	432	6002	RIPRAP (CONC)(5")	366.5	CY	\$ 530.00	\$ 194,245.00	\$ 400.00	\$ 146,600.00
31	432	6008	RIPRAP (CONC)(CL B RR8 & RR9)	40	CY	\$ 450.00	\$ 18,000.00	\$ 375.00	\$ 15,000.00
32	432	6033	RIPRAP (STONE) (PROTECTION)(18")	735.3	CY	\$ 70.00	\$ 51,471.00	\$ 95.00	\$ 69,853.50
33	432	6036	RIPRAP (STONE) (PROTECTION)(30")	898	CY	\$ 70.00	\$ 62,860.00	\$ 130.00	\$ 116,740.00
34	442	6008	STR STEEL (MISC BRIDGE)(BS-EJCP)	336	LB	\$ 16.00	\$ 5,376.00	\$ 8.00	\$ 2,688.00
35	450	6036	RAIL (TY C411)	2355	LF	\$ 160.00	\$ 376,800.00	\$ 232.65	\$ 547,890.75
36	450	6047	RAIL (HANDRAIL) (TY A)	881	LF	\$ 110.00	\$ 96,910.00	\$ 96.00	\$ 84,576.00
37	454	6001	SEAL EXPANSION JOINT (SEJ-A) (4 IN)	98	LF	\$ 90.00	\$ 8,820.00	\$ 85.00	\$ 8,330.00
38	462	6034	RC BOX CULVERT 10'x10'	69	LF	\$ 1,100.00	\$ 75,900.00	\$ 825.00	\$ 56,925.00
39	464	6003	RC PIPE (CL III) (18")	609	LF	\$ 55.00	\$ 33,495.00	\$ 52.00	\$ 31,668.00
40	464	6005	RC PIPE (CL III) (24")	2162	LF	\$ 60.00	\$ 129,720.00	\$ 67.00	\$ 144,854.00
41	464	6007	RC PIPE (CL III) (30")	183	LF	\$ 80.00	\$ 14,640.00	\$ 80.00	\$ 14,640.00
42	464	6008	RC PIPE (CL III) (36")	229	LF	\$ 110.00	\$ 25,190.00	\$ 107.00	\$ 24,503.00
43	464	6010	RC PIPE (CL III) (48")	41	LF	\$ 200.00	\$ 8,200.00	\$ 140.00	\$ 5,740.00
44	465	6006	JCTBOX (COMPL)(PJB)(4FT X 4FT)	4	EA	\$ 2,600.00	\$ 10,400.00	\$ 3,750.00	\$ 15,000.00
45	465	6236	INLET (COMPL)(WALL)(RWI)(TY II)	8	EA	\$ 3,000.00	\$ 24,000.00	\$ 5,500.00	\$ 44,000.00
46	466	6174	WINGWALL (PW-1)(Hw=13)	2	EA	\$ 13,000.00	\$ 26,000.00	\$ 47,000.00	\$ 94,000.00
47	467	6358	SET (TY II)(18")(RCP)(4:1)(C)	2	EA	\$ 600.00	\$ 1,200.00	\$ 1,300.00	\$ 2,600.00
48	467	6390	SET (TY II)(24")(RCP)(4:1)(C)	3	EA	\$ 900.00	\$ 2,700.00	\$ 1,500.00	\$ 4,500.00

49	467	6450	SET (TY II)(36")(RCP)(4:1)(C)	1	EA	\$ 2,800.00	\$ 2,800.00	\$ 2,760.00	\$ 2,760.00
50	500	6001	MOBILIZATION	1	LS	\$ 770,000.00	\$ 770,000.00	\$ 750,000.00	\$ 750,000.00
51	502	6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	26	MO	\$ 1,000.00	\$ 26,000.00	\$ 8,000.00	\$ 208,000.00
52	506	6002	ROCK FILTER DAMS (INSTALL) (TY 2)	815	LF	\$ 26.00	\$ 21,190.00	\$ 28.00	\$ 22,820.00
53	506	6011	ROCK FILTER DAMS (REMOVE) (TY 2)	815	LF	\$ 7.00	\$ 5,705.00	\$ 8.10	\$ 6,601.50
54	506	6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	164	SY	\$ 16.00	\$ 2,624.00	\$ 19.00	\$ 3,116.00
55	506	6024	CONSTRUCTION EXITS (REMOVE) (TY 1)	164	SY	\$ 8.00	\$ 1,312.00	\$ 7.10	\$ 1,164.40
56	506	6038	TEMP SEDMT CONT FENCE (INSTALL)	22629	LF	\$ 2.80	\$ 63,361.20	\$ 2.40	\$ 54,309.60
57	506	6039	TEMP SEDMT CONT FENCE (REMOVE)	22629	LF	\$ 0.35	\$ 7,920.15	\$ 0.75	\$ 16,971.75
58	506	6040	BIO DEG EROSION CONT LOGS (8") (INSTALL)	180	LF	\$ 4.00	\$ 720.00	\$ 3.60	\$ 648.00
59	506	6043	BIO DEG EROSION CONT LOGS (REMOVE)	180	LF	\$ 0.50	\$ 90.00	\$ 1.30	\$ 234.00
60	528	6004	LANDSCAPE PAVER (FLAGSTONE)	548	SY	\$ 200.00	\$ 109,600.00	\$ 59.00	\$ 32,332.00
61	531	6002	CONC SIDEWALKS (5")	20881	SY	\$ 38.00	\$ 793,478.00	\$ 52.50	\$ 1,096,252.50
62	531	6004	CURB RAMPS (TY 1)	3	EA	\$ 2,000.00	\$ 6,000.00	\$ 1,575.00	\$ 4,725.00
63	531	6005	CURB RAMPS (TY 2)	8	EA	\$ 1,900.00	\$ 15,200.00	\$ 1,490.00	\$ 11,920.00
64	531	6013	CURB RAMP (TY 10)	12	EA	\$ 1,800.00	\$ 21,600.00	\$ 1,675.00	\$ 20,100.00
65	618	6023	CONDT (PVC) (SCH 40) (2")	7832	LF	\$ 16.00	\$ 125,312.00	\$ 8.88	\$ 69,548.16
66	620	6008	ELEC CONDR (NO.8) INSULATED	28191	LF	\$ 0.90	\$ 25,371.90	\$ 1.30	\$ 36,648.30
67	628	6003	ELC SRV TY A 120/240 060 (NS)AL(E)PS	4	EA	\$ 10,000.00	\$ 40,000.00	\$ 5,500.00	\$ 22,000.00
68	636	6001	ALUMINUM SIGNS TY A	239	SF	\$ 14.00	\$ 3,346.00	\$ 27.00	\$ 6,453.00
69	644	6007	IN SM RD SUP & AM TY 10BWG (1) SA (U)	2	EA	\$ 470.00	\$ 940.00	\$ 625.00	\$ 1,250.00
70	644	6056	IN SM RD SUP & AM TY TWT (1) UA (P)	18	EA	\$ 360.00	\$ 6,480.00	\$ 304.50	\$ 5,481.00
71	666	6035	REFL PAV MRK (TY I)(8")(W)(SLD)(090 MIL)	450	LF	\$ 1.55	\$ 697.50	\$ 0.75	\$ 337.50
72	666	6041	REFL PAV MRK (TY I)(12")(W)(SLD)(090 MIL)	24	LF	\$ 3.85	\$ 92.40	\$ 2.70	\$ 64.80
73	666	6047	REFL PAV MRK (TY I)(24")(W)(SLD)(090 MIL)	514	LF	\$ 7.70	\$ 3,957.80	\$ 6.50	\$ 3,341.00
74	666	6053	REFL PAV MRK (TY I)(W)(ARROW)(090 MIL)	9	EA	\$ 110.00	\$ 990.00	\$ 101.50	\$ 913.50
75	666	6056	REFL PAV MRK (TY I)(W)(DBL ARROW)(090 MIL)	8	EA	\$ 220.00	\$ 1,760.00	\$ 163.15	\$ 1,305.20
76	666	6077	REFL PAV MRK (TY I)(W)(WORD)(090 MIL)	6	EA	\$ 130.00	\$ 780.00	\$ 136.00	\$ 816.00
77	666	6098	REFL PAV MRK (TY I) 18"(YLD TRI) (090 MIL)	186	EA	\$ 27.00	\$ 5,022.00	\$ 26.75	\$ 4,975.50
78	666	6140	REFL PAV MRK (TY I)(12")(Y)(SLD)(090 MIL)	560	LF	\$ 3.85	\$ 2,156.00	\$ 2.75	\$ 1,540.00
79	666	6287	REFL PAV MRK (TY I)(4")(Y)(SLD)(090 MIL)	6724	LF	\$ 0.50	\$ 3,362.00	\$ 0.45	\$ 3,025.80
80	666	6291	REFL PAV MRK (TY I)(4")(Y)(BRK)(090 MIL)	893	LF	\$ 0.80	\$ 714.40	\$ 0.50	\$ 446.50
81	666	6299	REFL PAV MRK (TY I)(4")(W)(BRK)(090 MIL)	1118	LF	\$ 0.90	\$ 1,006.20	\$ 0.26	\$ 290.68
82	672	6007	REFL PAV MRK (TY I-C)	121	EA	\$ 4.00	\$ 484.00	\$ 3.00	\$ 363.00
83	672	6009	REFL PAV MRK (TY II--A-A)	256	EA	\$ 4.50	\$ 1,152.00	\$ 2.75	\$ 704.00
84	740	6005	ANTI GRAFFITI COATING (TY 3)	35000	SF	\$ 0.75	\$ 26,250.00	\$ 1.50	\$ 52,500.00
85	5000	****	CURB AND GUTTER (COK)	8336	LF	\$ 18.00	\$ 150,048.00	\$ 8.00	\$ 66,688.00
86	5000	****	ADJUST SANITARY SEWER MANHOLE	7	EA	\$ 1,600.00	\$ 11,200.00	\$ 2,500.00	\$ 17,500.00
87	5000	****	COK 10' CURB INLETS	11	EA	\$ 3,000.00	\$ 33,000.00	\$ 6,000.00	\$ 66,000.00
88	6000	****	16' LIGHT POLES KIM # PRA16-4188	67	EA	\$ 900.00	\$ 60,300.00	\$ 3,500.00	\$ 234,500.00
89	6000	****	LIGHT FIXTURES KIM #1A-CC17A-3-E35-60L-4K-240-BL-NFC	67	EA	\$ 1,500.00	\$ 100,500.00	\$ 500.00	\$ 33,500.00
90	S044313	****	TRAILHEAD GATEWAY MONUMENT	3	EA	\$ 5,200.00	\$ 15,600.00	\$ 12,000.00	\$ 36,000.00
91	S057000	****	TRAILHEAD INFORMATIVE SIGNAGE	1	LS	\$ 3,000.00	\$ 3,000.00	\$ 15,000.00	\$ 15,000.00
92	S057000	****	WAYFINDING/DISTANCE MARKER SIGNAGE	6	EA	\$ 1,400.00	\$ 8,400.00	\$ 8,000.00	\$ 48,000.00
93	S129300	****	BENCH (DUMAR, INC. SERIES 92-3AR OR EQUAL)	5	EA	\$ 2,400.00	\$ 12,000.00	\$ 750.00	\$ 3,750.00
94	S129300	****	BICYCLE RACKS (VICTOR STANLEY BRK-35 OR EQUAL)	2	EA	\$ 1,100.00	\$ 2,200.00	\$ 750.00	\$ 1,500.00
95	S129300	****	TRASH RECEPTABLE (DUMORE, INC. 87-2-FTO OR EQUAL)	4	EA	\$ 1,500.00	\$ 6,000.00	\$ 750.00	\$ 3,000.00
TOTAL							\$ 7,826,151.27		\$ 9,978,936.09

Bid Tabulation For ROSEWOOD DRIVE EXTENSION Project No.: 18-04 CITY OF KILLEEN, BELL COUNTY, TEXAS						Prepared By: Mitchell & Associates, Inc., 102 N College Street, Killeen, Texas 76541											
						JAMES CONSTRUCTION GROUP, LLC.			LONESTAR GRADING AND MATERIALS, LLC.			OLD CASTLE MATERIALS TEXAS, INC.			TTG UTILITIES, LP		
LINE NO.	ITEM NO.	DESC CODE	DESCRIPTION	QUANTITY	UNIT	UNIT COST	UNIT AMOUNT	NOTE	UNIT COST	UNIT AMOUNT	NOTE	UNIT COST	UNIT AMOUNT	NOTE	UNIT COST	UNIT AMOUNT	NOTE
1	100	6001	PREPARING ROW	197.36	STA	\$1,520.00	\$299,987.20		\$132.43	\$26,136.38		\$2,000.00	\$394,720.00		\$1,100.00	\$217,096.00	
2	110	6001	EXCAVATION (ROADWAY)	18,210	CY	\$8.50	\$154,785.00		\$20.14	\$366,749.40		\$15.00	\$273,150.00		\$8.00	\$145,680.00	
3	110	6002	EXCAVATION (CHANNEL)	1920	CY	\$12.50	\$24,000.00		\$27.13	\$52,089.60		\$12.00	\$23,040.00		\$11.00	\$21,120.00	
4	132	6003	EMBANKMENT (ORD COMP) (TY B)	23581	CY	\$6.80	\$160,350.80		\$22.36	\$527,271.16		\$12.00	\$282,972.00		\$6.00	\$141,486.00	
5	132	6025	EMBANKMENT (FINAL) (DENS CONT)(AS)	9840	CY	\$26.00	\$255,840.00		\$28.09	\$276,405.60		\$26.00	\$255,840.00		\$25.00	\$246,000.00	
6	132	6026	EMBANKMENT (FINAL) (DENS CONT)(DS)	8642	CY	\$26.00	\$224,692.00		\$28.09	\$242,753.78		\$26.00	\$224,692.00		\$27.00	\$233,334.00	
7	160	6003	FURNISH AND PLACE TOPSOIL (4")	34,720	SY	\$3.00	\$104,160.00		\$7.32	\$254,150.40		\$4.50	\$156,240.00		\$1.50	\$52,080.00	
8	164	6003	BROADCAST SEED (PERM)(RURAL)(CLAY)	34,720	SY	\$0.26	\$9,027.20		\$0.67	\$23,262.40		\$0.25	\$8,680.00		\$0.25	\$8,680.00	
9	164	6009	BROADCAST SEED (TEMP) (WARM)	34,720	SY	\$0.21	\$7,291.20		\$0.22	\$7,638.40		\$0.20	\$6,944.00		\$0.25	\$8,680.00	
10	166	6002	FERTILIZER (20-10-20)	2.87	TON	\$586.00	\$1,681.82		\$1,379.00	\$3,957.73		\$600.00	\$1,722.00		\$500.00	\$1,435.00	
11	168	6001	VEGETATIVE WATERING	563.8	MG	\$20.00	\$11,276.00		\$39.93	\$22,512.53		\$8.00	\$4,510.40		\$26.50	\$14,940.70	
12	247	6041	FL BS (CMP IN PLC)(TYA GR1-2)(FNAL POS)	8824	CY	\$36.00	\$317,664.00		\$40.71	\$359,225.04		\$35.00	\$308,840.00		\$41.90	\$369,725.60	
13	260	6002	HYDRATED LIME (SLURRY)	502.5	TON	\$163.40	\$82,108.50		\$210.32	\$105,685.80		\$165.00	\$82,912.50		\$195.00	\$97,987.50	
14	260	6073	LIME TRT SUBGRADE (8")	20,680	SY	\$2.10	\$43,428.00		\$2.22	\$45,909.60		\$3.50	\$72,380.00		\$2.15	\$44,462.00	
15	275	6001	CEMENT	3.2	TON	\$1.00	\$3.20		\$327.17	\$1,046.94		\$125.00	\$400.00		\$450.00	\$1,440.00	
16	275	6029	CEMENT TRT NEW BASE (4")	537	SY	\$24.00	\$12,888.00		\$20.22	\$10,858.14		\$8.00	\$4,296.00		\$8.00	\$4,296.00	
17	310	6027	PRIME COAT(MC-30 OR AE-P)	4778	GAL	\$3.60	\$17,200.80		\$4.37	\$20,879.86		\$3.55	\$16,961.90		\$3.50	\$16,723.00	
18	341	6040	D-GR HMA TY-D (PG 64-22)	3227	TON	\$67.00	\$216,209.00		\$83.10	\$268,163.70		\$67.00	\$216,209.00		\$68.00	\$219,436.00	
19	400	6001	STRUCTURAL EXCAVATION	456	CY	\$1.00	\$456.00		\$4.61	\$2,102.16		\$2.00	\$912.00		\$10.00	\$4,560.00	
20	402	6001	TRENCH EXCAVATION PROTECTION	613	LF	\$1.00	\$613.00		\$4.43	\$2,715.59		\$1.50	\$919.50		\$7.00	\$4,291.00	
21	416	6003	DRILL SHAFT (30 IN)	804	LF	\$129.00	\$103,716.00		\$386.87	\$311,043.48		\$310.00	\$249,240.00		\$127.00	\$102,108.00	
22	416	6004	DRILL SHAFT (36 IN)	621	LF	\$160.00	\$99,360.00		\$198.64	\$123,355.44		\$170.00	\$105,570.00		\$175.00	\$108,675.00	
23	420	6013	CL C CONC (ABUT)	63.4	CY	\$800.00	\$50,720.00		\$1,085.73	\$68,835.28		\$850.00	\$53,890.00		\$880.00	\$55,792.00	
24	420	6025	CL C CONC (BENT)	100.3	CY	\$900.00	\$90,270.00		\$1,148.13	\$115,157.44		\$950.00	\$95,285.00		\$930.00	\$93,279.00	
25	422	6001	REINF CONC SLAB (CL S)	16,740	SF	\$18.00	\$301,320.00		\$28.58	\$478,429.20		\$18.00	\$301,320.00		\$23.14	\$387,363.60	
26	422	6005	CEM STABIL BKFL	110	CY	\$120.00	\$13,200.00		\$287.03	\$31,573.30		\$120.00	\$13,200.00		\$233.00	\$25,630.00	
27	422	6015	APPROACH SLAB	96.2	CY	\$450.00	\$43,290.00		\$599.02	\$57,625.72		\$500.00	\$48,100.00		\$485.00	\$46,657.00	
28	423	6001	RETAINING WALL (MSE)	34,266	SF	\$36.00	\$1,233,576.00		\$34.96	\$1,197,939.36		\$38.00	\$1,302,108.00		\$37.00	\$1,267,842.00	
29	425	6038	PRESTR CONC GIRDER (TX46)	2148	LF	\$131.00	\$281,388.00		\$224.63	\$482,505.24		\$135.00	\$289,980.00		\$182.00	\$390,936.00	
30	432	6002	RIPRAP (CONC)(5")	366.5	CY	\$530.00	\$194,245.00		\$884.12	\$324,029.98		\$450.00	\$164,925.00		\$430.00	\$157,595.00	
31	432	6008	RIPRAP (CONC)(CL B RR8 & RR9)	40	CY	\$450.00	\$18,000.00		\$499.19	\$19,967.60		\$450.00	\$18,000.00		\$525.00	\$21,000.00	
32	432	6033	RIPRAP (STONE) (PROTECTION)(18")	735.3	CY	\$70.00	\$51,471.00		\$87.22	\$64,132.87		\$100.00	\$73,530.00		\$82.00	\$60,294.60	
33	432	6036	RIPRAP (STONE) (PROTECTION)(30")	898	CY	\$70.00	\$62,860.00		\$88.18	\$79,185.64		\$90.00	\$80,820.00		\$90.00	\$80,820.00	
34	442	6008	STR STEEL (MISC BRIDGE)(BS-EJCP)	336	LB	\$16.00	\$5,376.00		\$17.47	\$5,869.92		\$16.00	\$5,376.00		\$136.00	\$45,696.00	
35	450	6036	RAIL (TY C411)	2,355	LF	\$160.00	\$376,800.00		\$180.96	\$426,160.80		\$180.00	\$423,900.00		\$150.50	\$354,427.50	4A
36	450	6047	RAIL (HANDRAIL) (TY A)	881	LF	\$110.00	\$96,910.00		\$143.52	\$126,441.12		\$105.00	\$92,505.00		\$136.00	\$119,816.00	
37	454	6001	SEAL EXPANSION JOINT (SEJ-A) (4 IN)	98	LF	\$90.00	\$8,820.00		\$143.52	\$14,064.96		\$100.00	\$9,800.00		\$116.00	\$11,368.00	
38	462	6034	RC BOX CULVERT 10'x10'	69	LF	\$1,100.00	\$75,900.00		\$1,827.97	\$126,129.93		\$1,400.00	\$96,600.00		\$1,010.00	\$69,690.00	
39	464	6003	RC PIPE (CL III) (18")	609	LF	\$55.00	\$33,495.00		\$70.87	\$43,159.83		\$70.00	\$42,630.00		\$58.00	\$35,322.00	
40	464	6005	RC PIPE (CL III) (24")	2,162	LF	\$60.00	\$129,720.00		\$98.14	\$212,178.68		\$110.00	\$237,820.00		\$80.00	\$172,960.00	
41	464	6007	RC PIPE (CL III) (30")	183	LF	\$80.00	\$14,640.00		\$132.17	\$24,187.11		\$140.00	\$25,620.00		\$110.00	\$20,130.00	
42	464	6008	RC PIPE (CL III) (36")	229	LF	\$110.00	\$25,190.00		\$166.85	\$38,208.65		\$170.00	\$38,930.00		\$148.00	\$33,892.00	
43	464	6010	RC PIPE (CL III) (48")	41	LF	\$200.00	\$8,200.00		\$269.96	\$11,068.36		\$190.00	\$7,790.00		\$250.00	\$10,250.00	
44	465	6006	JCTBOX (COMPL)(PJB)(4FT X 4FT)	4	EA	\$2,600.00	\$10,400.00		\$5,930.50	\$23,722.00		\$4,500.00	\$18,000.00		\$3,580.00	\$14,320.00	
45	465	6236	INLET (COMPL)(WALL)(RWI)(TY II)	8	EA	\$3,000.00	\$24,000.00		\$7,214.23	\$57,713.84		\$5,000.00	\$40,000.00		\$4,290.00	\$34,320.00	
46	466	6174	WINGWALL (PW-1)(Hw=13)	2	EA	\$13,000.00	\$26,000.00		\$41,858.91	\$83,717.82		\$16,000.00	\$32,000.00		\$16,500.00	\$33,000.00	
47	467	6358	SET (TY II)(18")(RCP)(4:1)(C)	2	EA	\$600.00	\$1,200.00		\$3,433.05	\$6,866.10		\$900.00	\$1,800.00		\$1,000.00	\$2,000.00	
48	467	6390	SET (TY II)(24")(RCP)(4:1)(C)	3	EA	\$900.00	\$2,700.00		\$3,948.46	\$11,845.38		\$1,500.00	\$4,500.00		\$1,585.00	\$4,755.00	
49	467	6450	SET (TY II)(36")(RCP)(4:1)(C)	1	EA	\$2,800.00	\$2,800.00		\$6,217.20	\$6,217.20		\$4,000.00	\$4,000.00		\$3,540.00	\$3,540.00	
50	500	6001	MOBILIZATION	1	LS	\$770,000.00	\$770,000.00		\$499,281.38	\$499,281.38		\$900,000.00	\$900,000.00		\$695,000.00	\$695,000.00	
51	502	6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	26	MO	\$1,000.00	\$26,000.00		\$5,562.87	\$144,634.62		\$500.00	\$13,000.00		\$735.00	\$19,110.00	
52	506	6002	ROCK FILTER DAMS (INSTALL) (TY 2)	815	LF	\$26.00	\$21,190.00		\$36.82	\$30,008.30		\$20.00	\$16,300.00		\$20.00	\$16,300.00	
53	506	6011	ROCK FILTER DAMS (REMOVE) (TY 2)	815	LF	\$7.00	\$5,705.00		\$12.17	\$9,918.55		\$6.00	\$4,890.00		\$10.00	\$8,150.00	
54	506	6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	164	SY	\$16.00	\$2,624.00		\$11.57	\$1,897.48		\$16.00	\$2,624.00		\$21.00	\$3,444.00	
55	506	6024	CONSTRUCTION EXITS (REMOVE) (TY 1)	164	SY	\$8.00	\$1,312.00		\$4.95	\$811.80		\$6.00	\$984.00		\$10.00	\$1,640.00	
56	506	6038	TEMP SEDMT CONT FENCE (INSTALL)	22,629	LF	\$2.80	\$63,361.20		\$2.28	\$51,594.12		\$2.05	\$46,389.45		\$1.75	\$39,600.75	
57	506	6039	TEMP SEDMT CONT FENCE (REMOVE)	22,629	LF	\$0.35	\$7,920.15		\$0.44	\$9,956.76		\$0.10	\$2,262.90		\$1.25	\$28,286.25	
58	506	6040	BIO DEG EROSION CONT LOGS (8") (INSTALL)	180	LF	\$4.00	\$720.00		\$4.68	\$842.40		\$3.50	\$630.00		\$3.80	\$684.00	
59	506	6043	BIO DEG EROSION CONT LOGS (REMOVE)	180	LF	\$0.50	\$90.00		\$0.62	\$111.60		\$0.50	\$90.00		\$0.50	\$90.00	
60	528	6004	LANDSCAPE PAVER (FLAGSTONE)	548	SY	\$200.00	\$109,600.00		\$197.89	\$108,443.72		\$196.00	\$107,408.00		\$85.00	\$46,580.00	
61	531	6002	CONC SIDEWALKS (5")	20,881	SY	\$38.00	\$793,478.00		\$70.51	\$1,472,319.31		\$50.00	\$1,044,050.00		\$47.00	\$981,407.00	
62	531	6004	CURB RAMPS (TY 1)	3	EA	\$2,000.00	\$6,000.00		\$2,093.30	\$6,279.90		\$1,600.00	\$4,800.00		\$1,160.00	\$3,480.00	
63	531	6005	CURB RAMPS (TY 2)	8	EA	\$1,900.00	\$15,200.00		\$2,079.75	\$16,638.00		\$2,075.00	\$16,600.00		\$1,160.00	\$9,280.00	
64	531	6013	CURB RAMP (TY 10)	12	EA	\$1,800.00	\$21,600.00		\$2,003.00	\$24,036.00		\$1,850.00	\$22,200.00		\$1,180.00	\$14,160.00	
65	618	6023	CONDT (PVC) (SCH 40) (2")	7832	LF	\$16.00	\$125,312.00		\$16.60	\$130,011.20		\$9.50	\$74,404.00		\$16.00	\$125,312.00	

LINE NO.	ITEM NO.	DESC CODE	DESCRIPTION	QUANTITY	UNIT	UNIT COST	UNIT AMOUNT	NOTE	UNIT COST	UNIT AMOUNT	NOTE	UNIT COST	UNIT AMOUNT	NOTE	UNIT COST	UNIT AMOUNT	NOTE
66	620	6008	ELEC CONDR (NO.8) INSULATED	28,191	LF	\$0.90	\$25,371.90		\$0.79	\$22,270.89		\$1.20	\$33,829.20		\$0.90	\$25,371.90	
67	628	6003	ELC SRV TY A 120/240 060 (NS)AL(E)PS	4	EA	\$10,000.00	\$40,000.00		\$4,960.68	\$19,842.72		\$9,600.00	\$38,400.00		\$10,000.00	\$40,000.00	
68	636	6001	ALUMINUM SIGNS TY A	239	SF	\$14.00	\$3,346.00		\$115.44	\$27,590.16		\$15.00	\$3,585.00		\$20.00	\$4,780.00	
69	644	6007	IN SM RD SUP & AM TY 10BWG (1) SA (U)	2	EA	\$470.00	\$940.00		\$3,119.92	\$6,239.84		\$500.00	\$1,000.00		\$380.00	\$760.00	
70	644	6056	IN SM RD SUP & AM TY TWT (1) UA (P)	18	EA	\$360.00	\$6,480.00		\$2,495.94	\$44,926.92		\$400.00	\$7,200.00		\$280.00	\$5,040.00	
71	666	6035	REFL PAV MRK (TY I)(8")(W)(SLD)(090 MIL)	450	LF	\$1.55	\$697.50		\$1.93	\$868.50		\$1.55	\$697.50		\$1.60	\$720.00	
72	666	6041	REFL PAV MRK (TY I)(12")(W)(SLD)(090 MIL)	24	LF	\$3.85	\$92.40		\$4.80	\$115.20		\$3.85	\$92.40		\$3.90	\$93.60	
73	666	6047	REFL PAV MRK (TY I)(24")(W)(SLD)(090 MIL)	514	LF	\$7.70	\$3,957.80		\$9.61	\$4,939.54		\$7.70	\$3,957.80		\$7.80	\$4,009.20	
74	666	6053	REFL PAV MRK (TY I)(W)(ARROW)(090 MIL)	9	EA	\$110.00	\$990.00		\$137.28	\$1,235.52		\$110.00	\$990.00		\$110.00	\$990.00	
75	666	6056	REFL PAV MRK (TY I)(W)(DBL ARROW)(090 MIL)	8	EA	\$220.00	\$1,760.00		\$274.55	\$2,196.40		\$220.00	\$1,760.00		\$225.00	\$1,800.00	
76	666	6077	REFL PAV MRK (TY I)(W)(WORD)(090 MIL)	6	EA	\$130.00	\$780.00		\$162.24	\$973.44		\$130.00	\$780.00		\$130.00	\$780.00	
77	666	6098	REFL PAV MRK (TY I) 18"(YLD TRI) (090 MIL)	186	EA	\$27.00	\$5,022.00		\$33.70	\$6,268.20		\$27.00	\$5,022.00		\$28.00	\$5,208.00	
78	666	6140	REFL PAV MRK (TY I)(12")(Y)(SLD)(090 MIL)	560	LF	\$3.85	\$2,156.00		\$4.80	\$2,688.00		\$3.85	\$2,156.00		\$3.90	\$2,184.00	
79	666	6287	REFL PAV MRK (TY I)(4")(Y)(SLD)(090 MIL)	6,724	LF	\$0.50	\$3,362.00		\$0.62	\$4,168.88		\$0.50	\$3,362.00		\$0.50	\$3,362.00	
80	666	6291	REFL PAV MRK (TY I)(4")(Y)(BRK)(090 MIL)	893	LF	\$0.80	\$714.40		\$1.00	\$893.00		\$0.80	\$714.40		\$0.80	\$714.40	
81	666	6299	REFL PAV MRK (TY I)(4")(W)(BRK)(090 MIL)	1,118	LF	\$0.90	\$1,006.20		\$1.12	\$1,252.16		\$0.90	\$1,006.20		\$0.90	\$1,006.20	
82	672	6007	REFL PAV MRK (TY I-C)	121	EA	\$4.00	\$484.00		\$4.99	\$603.79		\$4.00	\$484.00		\$4.05	\$490.05	
83	672	6009	REFL PAV MRK (TY II--A-A)	256	EA	\$4.50	\$1,152.00		\$5.62	\$1,438.72		\$4.50	\$1,152.00		\$4.55	\$1,164.80	
84	740	6005	ANTI GRAFFITI COATING (TY 3)	35,000	SF	\$0.75	\$26,250.00		\$1.13	\$39,550.00		\$0.50	\$17,500.00		\$0.50	\$17,500.00	
85	5000	****	CURB AND GUTTER (COK)	8,336	LF	\$18.00	\$150,048.00		\$20.84	\$173,722.24		\$12.00	\$100,032.00		\$16.50	\$137,544.00	
86	5000	****	ADJUST SANITARY SEWER MANHOLE	7	EA	\$1,600.00	\$11,200.00		\$1,341.52	\$9,390.64		\$500.00	\$3,500.00		\$1,164.00	\$8,148.00	
87	5000	****	COK 10' CURB INLETS	11	EA	\$3,000.00	\$33,000.00		\$6,207.22	\$68,279.42		\$4,500.00	\$49,500.00		\$3,330.00	\$36,630.00	
88	6000	****	16' LIGHT POLES KIM # PRA16-4188	67	EA	\$900.00	\$60,300.00		\$1,025.83	\$68,730.61		\$2,300.00	\$154,100.00		\$845.00	\$56,615.00	
89	6000	****	LIGHT FIXTURES KIM #1A-CC17A-3-E35-60L-4K-240-BL-NFO	67	EA	\$1,500.00	\$100,500.00		\$1,535.00	\$102,845.00		\$110.00	\$7,370.00		\$1,465.00	\$98,155.00	
90	S044313	****	TRAILHEAD GATEWAY MONUMENT	3	EA	\$5,200.00	\$15,600.00		\$6,115.05	\$18,345.15		\$4,900.00	\$14,700.00		\$11,500.00	\$34,500.00	
91	S057000	****	TRAILHEAD INFORMATIVE SIGNAGE	1	LS	\$3,000.00	\$3,000.00		\$3,494.31	\$3,494.31		\$2,800.00	\$2,800.00		\$11,000.00	\$11,000.00	
92	S057000	****	WAYFINDING/DISTANCE MARKER SIGNAGE	6	EA	\$1,400.00	\$8,400.00		\$1,634.84	\$9,809.04		\$1,310.00	\$7,860.00		\$1,700.00	\$10,200.00	
93	S129300	****	BENCH (DUMAR, INC. SERIES 92-3AR OR EQUAL)	5	EA	\$2,400.00	\$12,000.00		\$2,035.76	\$10,178.80		\$2,150.00	\$10,750.00		\$1,650.00	\$8,250.00	
94	S129300	****	BICYCLE RACKS (VICTOR STANLEY BRK-35 OR EQUAL)	2	EA	\$1,100.00	\$2,200.00		\$1,047.14	\$2,094.28		\$990.00	\$1,980.00		\$1,650.00	\$3,300.00	
95	S129300	****	TRASH RECEPTABLE (DUMORE, INC. 87-2-FTO OR EQUAL)	4	EA	\$1,500.00	\$6,000.00		\$1,397.15	\$5,588.60		\$1,400.00	\$5,600.00		\$1,650.00	\$6,600.00	
			Subtotal				\$7,826,151.27		Subtotal	\$10,358,171.58	2A	Subtotal	\$8,952,093.15		Subtotal	\$8,136,371.65	4B

NOTES	NOTES	NOTES	NOTES
	2A SUBTOTAL MISCALCULATED AS \$10,358,171.57		4A SUBTOTAL MISCALCULATED AS \$353,250.00 4B SUBTOTAL MISCALCULATED AS \$8,135,194.15