

**2016 Garland Street Reconstruction Project**

Engineer's Estimate	Crawford Contracting, Inc.	Elmer's Crane and Dozer, Inc.
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Location # 1  
Garland St.

Item No.	Est Qty	Unit	Description of Items	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	1.00	Lsum	Mobilization (5%)	\$ 67,119.00	\$ 67,119.00	\$ 70,000.00	\$ 70,000.00	\$ 74,000.00	\$ 74,000.00
2	1.00	Lsum	Traffic Control	\$ 15,000.00	\$ 15,000.00	\$ 190,000.00	\$ 190,000.00	\$ 35,000.00	\$ 35,000.00
3	1.00	Lsum	Erosion Control Devices	\$ 5,000.00	\$ 5,000.00	\$ 16,500.00	\$ 16,500.00	\$ 10,000.00	\$ 10,000.00
4	1.00	Lsum	Contractor Requirements of Environmental Construction Management Plan	\$ 2,500.00	\$ 2,500.00	\$ 10,000.00	\$ 10,000.00	\$ 50,000.00	\$ 50,000.00
5	50.00	Cyd	Non Haz Contaminated Material Handling and Disposal, LM	\$ 40.00	\$ 2,000.00	\$ 100.00	\$ 5,000.00	\$ 75.00	\$ 3,750.00
6	9.00	Ea	Dr Structure, Rem	\$ 262.81	\$ 2,365.29	\$ 500.00	\$ 4,500.00	\$ 500.00	\$ 4,500.00
7	3.00	Ea	Dr Structure, Abandon	\$ 214.69	\$ 644.07	\$ 400.00	\$ 1,200.00	\$ 600.00	\$ 1,800.00
8	264.00	Ft	Sewer, Rem, Less than 24 Inch	\$ 9.43	\$ 2,489.52	\$ 15.00	\$ 3,960.00	\$ 14.00	\$ 3,696.00
9	460.00	Ft	Sewer, Abandon, Less than 24 Inch	\$ 8.47	\$ 3,896.20	\$ 12.00	\$ 5,520.00	\$ 10.00	\$ 4,600.00
10	1.00	Ea	Bulkhead, 15 Inch	\$ 138.87	\$ 138.87	\$ 300.00	\$ 300.00	\$ 250.00	\$ 250.00
11	155.00	Ft	Sewer, CI IV RCP, 12 Inch, Tr Det B1	\$ 43.80	\$ 6,789.00	\$ 50.00	\$ 7,750.00	\$ 50.00	\$ 7,750.00
12	719.00	Ft	Sewer, CI IV RCP, 18 Inch, Tr Det B1	\$ 48.42	\$ 34,813.98	\$ 60.00	\$ 43,140.00	\$ 65.00	\$ 46,735.00
13	874.00	Ft	Video Taping Sewer Pipe	\$ 1.15	\$ 1,005.10	\$ 2.00	\$ 1,748.00	\$ 2.00	\$ 1,748.00
14	11.00	Ea	Catch Basin, 24 Inch Dia, W/2' Sump	\$ 1,032.04	\$ 11,352.44	\$ 1,300.00	\$ 14,300.00	\$ 1,200.00	\$ 13,200.00
15	10.00	Ea	Dr Structure, 48 Inch Dia	\$ 1,592.97	\$ 15,929.70	\$ 1,700.00	\$ 17,000.00	\$ 1,850.00	\$ 18,500.00
16	1.00	Ea	Dr Structure, 84 Inch Dia	\$ 5,188.86	\$ 5,188.86	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00	\$ 8,000.00
17	13.00	Ea	Dr Structure Cover, EJ 1040 Casting (Storm)	\$ 435.30	\$ 5,658.90	\$ 900.00	\$ 11,700.00	\$ 665.00	\$ 8,645.00
18	2.00	Ea	Dr Structure Cover, EJ 1040 Casting (Sanitary)	\$ 739.67	\$ 1,479.34	\$ 900.00	\$ 1,800.00	\$ 665.00	\$ 1,330.00
19	12.00	Ea	Dr Structure Cover, EJ 5105 Casting	\$ 420.67	\$ 5,048.04	\$ 800.00	\$ 9,600.00	\$ 740.00	\$ 8,880.00
20	1.00	Ea	Dr Structure Cover, EJ 7045 Casting	\$ 540.81	\$ 540.81	\$ 1,000.00	\$ 1,000.00	\$ 800.00	\$ 800.00
21	50.00	Ft	Dewatering System, Trench	\$ 195.00	\$ 9,750.00	\$ 100.00	\$ 5,000.00	\$ 40.00	\$ 2,000.00
22	484.00	Ft	Sanitary Sewer, CIPP, Mainline	\$ 38.00	\$ 18,392.00	\$ 60.00	\$ 29,040.00	\$ 56.00	\$ 27,104.00
23	4.00	Ea	Sanitary Sewer, CIPP, Long Lateral	\$ 8,300.00	\$ 33,200.00	\$ 1,600.00	\$ 6,400.00	\$ 5,000.00	\$ 20,000.00
24	3.00	Ea	Sanitary Sewer, CIPP, Short Lateral	\$ 3,400.00	\$ 10,200.00	\$ 500.00	\$ 1,500.00	\$ 1,000.00	\$ 3,000.00
25	330.00	Ft	Sanitary Sewer, CIPP, Short Lateral		\$ -		\$ -		\$ -
26	480.00	Ft	Pipe Insulation	\$ 20.00	\$ 9,600.00	\$ 30.00	\$ 14,400.00	\$ 15.00	\$ 7,200.00
27	1.00	Ea	Hydrant and Valve, Rel, Case 2	\$ 2,586.74	\$ 2,586.74	\$ 3,000.00	\$ 3,000.00	\$ 4,950.00	\$ 4,950.00
28	14.00	Ea	Tree, Rem, 6 Inch to 18 Inch	\$ 184.10	\$ 2,577.40	\$ 650.00	\$ 9,100.00	\$ 500.00	\$ 7,000.00
29	4141.00	Syd	Pavt, Rem	\$ 8.00	\$ 33,128.00	\$ 8.00	\$ 33,128.00	\$ 10.00	\$ 41,410.00
30	134.00	Ft	Fence, Rem	\$ 5.00	\$ 670.00	\$ 4.00	\$ 536.00	\$ 10.00	\$ 1,340.00
31	8.00	Ea	Guard Post, Rem	\$ 30.00	\$ 240.00	\$ 200.00	\$ 1,600.00	\$ 100.00	\$ 800.00
32	2595.00	Syd	Cold Milling HMA Surface	\$ 2.25	\$ 5,838.75	\$ 2.74	\$ 7,110.30	\$ 2.00	\$ 5,190.00
33	1.00	Lsum	Pavt, Cleaning [Union St & Hall St]	\$ 1,200.00	\$ 1,200.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00
34	18.00	Ea	Sign, Type III, Rem and Salv	\$ 10.00	\$ 180.00	\$ 25.00	\$ 450.00	\$ 25.00	\$ 450.00
35	5.00	Ea	Parking Meter, Rem and Salv	\$ 25.00	\$ 125.00	\$ 300.00	\$ 1,500.00	\$ 150.00	\$ 750.00
36	1.00	Lsum	Elec Trans, Rel	\$ 10,000.00	\$ 10,000.00	\$ 4,000.00	\$ 4,000.00	\$ 15,000.00	\$ 15,000.00
37	1.00	Lsum	Equipment, HVAC, Rem, Salv, Install	\$ 15,000.00	\$ 15,000.00	\$ 12,000.00	\$ 12,000.00	\$ 4,200.00	\$ 4,200.00
38	1.00	Lsum	Heated Walkway, Connect to Ex	\$ 4,000.00	\$ 4,000.00	\$ 10,000.00	\$ 10,000.00	\$ 25,000.00	\$ 25,000.00
39	1.00	Lsum	Fire Suppression, Rel	\$ 2,000.00	\$ 2,000.00	\$ 11,000.00	\$ 11,000.00	\$ 15,000.00	\$ 15,000.00
40	1.00	Lsum	Backflow Prevention, Rel	\$ 2,000.00	\$ 2,000.00	\$ 5,000.00	\$ 5,000.00	\$ 7,500.00	\$ 7,500.00
41	10.17	Station	Earthwork	\$ 600.00	\$ 6,102.00	\$ 2,500.00	\$ 25,425.00	\$ 5,000.00	\$ 50,850.00
42	1701.00	Cyd	Subbase, LM	\$ 11.50	\$ 19,561.50	\$ 0.01	\$ 17.01	\$ 18.00	\$ 30,618.00
43	3021.00	Syd	Aggregate Base, 4 Inch	\$ 6.50	\$ 19,636.50	\$ 3.50	\$ 10,573.50	\$ 6.00	\$ 18,126.00
44	657.00	Syd	Aggregate Base, 8 Inch	\$ 8.50	\$ 5,584.50	\$ 6.50	\$ 4,270.50	\$ 10.00	\$ 6,570.00
45	6.00	Ea	Dr Structure Cover, Adj, Case 2	\$ 454.66	\$ 2,727.96	\$ 400.00	\$ 2,400.00	\$ 500.00	\$ 3,000.00
46	3.00	Ea	Gas Shutoff, Adj	\$ 260.95	\$ 782.85	\$ 200.00	\$ 600.00	\$ 250.00	\$ 750.00
47	5.00	Ea	Gate Box, Adj, Case 2	\$ 260.95	\$ 1,304.75	\$ 300.00	\$ 1,500.00	\$ 250.00	\$ 1,250.00
48	1.00	Ea	Water Shutoff, Adj, Case 2	\$ 245.00	\$ 245.00	\$ 200.00	\$ 200.00	\$ 250.00	\$ 250.00
49	1.00	Ea	Monitoring Well Cover, Adj, Case 2	\$ 260.95	\$ 260.95	\$ 500.00	\$ 500.00	\$ 250.00	\$ 250.00
50	3.00	Ea	Structure Cover, Adj, Case 2	\$ 454.66	\$ 1,363.98	\$ 400.00	\$ 1,200.00	\$ 500.00	\$ 1,500.00
51	45.00	Ton	HMA, 13A (220 #/SYD)	\$ 70.00	\$ 3,150.00	\$ 98.15	\$ 4,416.75	\$ 96.85	\$ 4,358.25
52	302.00	Ton	HMA, 13A (220 #/SYD) [Union St & Hall St]	\$ 70.00	\$ 21,140.00	\$ 71.10	\$ 21,472.20	\$ 78.80	\$ 23,797.60
53	19.00	Ton	Hand Patching	\$ 101.09	\$ 1,920.71	\$ 135.00	\$ 2,565.00	\$ 196.00	\$ 3,724.00
54	17.00	Ton	HMA Approach	\$ 80.87	\$ 1,374.79	\$ 98.15	\$ 1,668.55	\$ 120.00	\$ 2,040.00
55	2489.00	Syd	Decorative Conc Pavt, Nonreinf, 9 Inch	\$ 73.00	\$ 181,697.00	\$ 120.00	\$ 298,680.00	\$ 130.50	\$ 324,814.50
56	637.00	Ft	Curb and Gutter, Conc, Det F4 (Plain)	\$ 16.00	\$ 10,192.00	\$ 18.00	\$ 11,466.00	\$ 18.00	\$ 11,466.00
57	76.00	Ft	Curb and Gutter, Conc, Det F4 (Colored)	\$ 21.00	\$ 1,596.00	\$ 29.00	\$ 2,204.00	\$ 27.00	\$ 2,052.00
58	221.00	Ft	Curb and Gutter, Conc, Det F4-Mod Inverted (Colored)	\$ 22.00	\$ 4,862.00	\$ 29.00	\$ 6,409.00	\$ 27.00	\$ 5,967.00
59	20.00	Ft	Curb, Conc, Det E4 (Colored)	\$ 35.00	\$ 700.00	\$ 31.00	\$ 620.00	\$ 41.50	\$ 830.00

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				Engineer's Estimate		Crawford Contracting, Inc.		Elmer's Crane and Dozer, Inc.	
60	134.00	Ft	Valley Gutter, Conc (Plain)	\$ 18.50	\$ 2,479.00	\$ 18.00	\$ 2,412.00	\$ 16.50	\$ 2,211.00
61	1384.00	Ft	Valley Gutter, Conc (Colored)	\$ 23.50	\$ 32,524.00	\$ 29.00	\$ 40,136.00	\$ 24.50	\$ 33,908.00
62	36.00	Ft	Driveway Opening, Conc, Det M (Plain)	\$ 18.00	\$ 648.00	\$ 18.00	\$ 648.00	\$ 18.00	\$ 648.00
63	876.00	Ft	Driveway Opening, Conc, Det M (Colored)	\$ 23.00	\$ 20,148.00	\$ 29.00	\$ 25,404.00	\$ 30.00	\$ 26,280.00
64	1457.00	Syd	Decorative Sidewalk, Conc, 9 Inch	\$ 73.00	\$ 106,361.00	\$ 135.00	\$ 196,695.00	\$ 173.00	\$ 252,061.00
65	3227.00	Sft	Sidewalk, Conc, 4 Inch	\$ 3.08	\$ 9,939.16	\$ 3.25	\$ 10,487.75	\$ 4.25	\$ 13,714.75
66	362.00	Sft	Sidewalk, Conc, 6 Inch	\$ 4.22	\$ 1,527.64	\$ 4.25	\$ 1,538.50	\$ 5.00	\$ 1,810.00
67	937.00	Sft	Sidewalk Ramp, 6 Inch	\$ 5.75	\$ 5,387.75	\$ 6.25	\$ 5,856.25	\$ 5.75	\$ 5,387.75
68	212.00	Ft	Detectable Warning Surface	\$ 37.55	\$ 7,960.60	\$ 80.00	\$ 16,960.00	\$ 86.00	\$ 18,232.00
69	251.00	Ft	Decorative Brick Banding	\$ 7.48	\$ 1,877.48	\$ 40.00	\$ 10,040.00	\$ 30.00	\$ 7,530.00
70	20.00	Ft	Joint, Plane-of-Weakness, D	\$ 15.00	\$ 300.00	\$ 25.00	\$ 500.00	\$ 22.00	\$ 440.00
71	14.00	Ft	Handrail	\$ 75.00	\$ 1,050.00	\$ 250.00	\$ 3,500.00	\$ 250.00	\$ 3,500.00
72	1.00	Lsum	Steps, Conc	\$ 1,200.00	\$ 1,200.00	\$ 3,700.00	\$ 3,700.00	\$ 4,350.00	\$ 4,350.00
73	324.00	Ft	Post, Steel, 3lb	\$ 5.01	\$ 1,623.24	\$ 6.50	\$ 2,106.00	\$ 6.50	\$ 2,106.00
74	10.00	Ea	Post Hole Through Conc For Steel Post	\$ 34.40	\$ 344.00	\$ 125.00	\$ 1,250.00	\$ 125.00	\$ 1,250.00
75	104.00	Sft	Sign, Type IIIB	\$ 13.17	\$ 1,369.68	\$ 20.00	\$ 2,080.00	\$ 20.00	\$ 2,080.00
76	500.00	Ft	Pavt Mrkg, Regular Dry, 4 Inch, White	\$ 0.25	\$ 125.00	\$ 1.25	\$ 625.00	\$ 1.25	\$ 625.00
77	35.00	Ft	Pavt Mrkg, Thermopl, 4 Inch, White	\$ 0.95	\$ 33.25	\$ 2.00	\$ 70.00	\$ 2.00	\$ 70.00
78	256.00	Ft	Pavt Mrkg, Thermopl, 4 Inch, Yellow	\$ 0.95	\$ 243.20	\$ 2.00	\$ 512.00	\$ 2.00	\$ 512.00
79	128.00	Ft	Pavt Mrkg, Thermopl, 6 Inch, White	\$ 1.27	\$ 162.56	\$ 2.95	\$ 377.60	\$ 2.95	\$ 377.60
80	27.00	Ft	Pavt Mrkg, Thermopl, 24 Inch, Stop Bar	\$ 9.19	\$ 248.13	\$ 11.80	\$ 318.60	\$ 11.80	\$ 318.60
81	368.00	Ft	Pavt Mrkg, Ovly Cold Plastic, 24 Inch, Crosswalk	\$ 11.48	\$ 4,224.64	\$ 12.50	\$ 4,600.00	\$ 12.50	\$ 4,600.00
82	1.00	Ea	Pavt Mrkg, Ovly Cold Plastic, LT Turn Arrow	\$ 128.84	\$ 128.84	\$ 155.00	\$ 155.00	\$ 155.00	\$ 155.00
83	1.00	Ea	Pavt Mrkg, Ovly Cold Plastic, RT Turn Arrow	\$ 128.84	\$ 128.84	\$ 155.00	\$ 155.00	\$ 155.00	\$ 155.00
84	2.00	Ea	Pavt Mrkg, Ovly Cold Plastic, Only	\$ 135.72	\$ 271.44	\$ 155.00	\$ 310.00	\$ 155.00	\$ 310.00
85	246.00	Sft	Traffic Scapes, Running Bond Pattern w/Border	\$ 40.00	\$ 9,840.00	\$ 25.00	\$ 6,150.00	\$ 25.00	\$ 6,150.00
86	338.00	Syd	Turf Establishment	\$ 3.25	\$ 1,098.50	\$ 7.00	\$ 2,366.00	\$ 12.00	\$ 4,056.00
87	56.00	Ft	Vinyl Fence	\$ 25.00	\$ 1,400.00	\$ 30.00	\$ 1,680.00	\$ 25.00	\$ 1,400.00
88	8.00	Ea	Trash Receptacle	\$ 1,000.00	\$ 8,000.00	\$ 2,000.00	\$ 16,000.00	\$ 2,040.00	\$ 16,320.00
89	4.00	Ea	Bench	\$ 1,200.00	\$ 4,800.00	\$ 2,000.00	\$ 8,000.00	\$ 2,040.00	\$ 8,160.00
90	8.00	Ea	Bicycle Rack	\$ 1,000.00	\$ 8,000.00	\$ 600.00	\$ 4,800.00	\$ 600.00	\$ 4,800.00
91	42.00	Ft	Segmented Masonry Retaining Wall, 0" to 20" High	\$ 125.00	\$ 5,250.00	\$ 60.00	\$ 2,520.00	\$ 100.00	\$ 4,200.00
92	3.00	Ea	Light Std Assembly, Rem and Salv	\$ 434.40	\$ 1,303.20	\$ 575.00	\$ 1,725.00	\$ 775.00	\$ 2,325.00
93	4.00	Ea	Light Std Assembly, Relocate	\$ 2,316.71	\$ 9,266.84	\$ 825.00	\$ 3,300.00	\$ 2,950.00	\$ 11,800.00
94	1864.00	Ft	Conduit, DB, 1, 1 1/2 Inch	\$ 9.16	\$ 17,074.24	\$ 9.50	\$ 17,708.00	\$ 3.00	\$ 5,592.00
95	60.00	Ft	Conduit, DB, 1, 2 Inch	\$ 12.74	\$ 764.40	\$ 13.00	\$ 780.00	\$ 3.50	\$ 210.00
96	60.00	Ft	Conduit, DB, 2, 3 Inch	\$ 5.04	\$ 302.40	\$ 25.00	\$ 1,500.00	\$ 6.00	\$ 360.00
97	14357.00	Ft	DB Cable, 600V, 1/C#8	\$ 1.50	\$ 21,535.50	\$ 2.50	\$ 35,892.50	\$ 1.80	\$ 25,842.60
98	20.00	Ea	Light Std Fdn	\$ 1,202.26	\$ 24,045.20	\$ 975.00	\$ 19,500.00	\$ 1,000.00	\$ 20,000.00
99	6.00	Ea	Light Shallow Foundation	\$ 1,000.00	\$ 6,000.00	\$ 1,800.00	\$ 10,800.00	\$ 4,800.00	\$ 28,800.00
100	26.00	Ea	Hh, Polymer Conc	\$ 794.77	\$ 20,664.02	\$ 950.00	\$ 24,700.00	\$ 500.00	\$ 13,000.00
101	26.00	Ea	Install Light Std Shaft, Arm, Luminaire	\$ 5,000.00	\$ 130,000.00	\$ 725.00	\$ 18,850.00	\$ 425.00	\$ 11,050.00
102	1075.00	Ft	String Lighting	\$ 50.00	\$ 53,750.00	\$ 20.00	\$ 21,500.00	\$ 5.50	\$ 5,912.50
103	2.00	Ea	Service Cabinet, Secondary Type L1	\$ 10,000.00	\$ 20,000.00	\$ 10,500.00	\$ 21,000.00	\$ 6,750.00	\$ 13,500.00
104	2.00	Ea	Elec Service Allowance	\$ 3,000.00	\$ 6,000.00	\$ 1,500.00	\$ 3,000.00	\$ 3,000.00	\$ 6,000.00
105	5.00	Ea	Hh, Polymer Conc, 13" x 24" x 18", Communications	\$ 794.77	\$ 3,973.85	\$ 2,100.00	\$ 10,500.00	\$ 500.00	\$ 2,500.00
106	1020.00	Ft	Conduit, DB, 1, 4 Inch	\$ 6.00	\$ 6,120.00	\$ 13.00	\$ 13,260.00	\$ 6.60	\$ 6,732.00
107	1020.00	Ft	Conduit, DB, 1, 6 Inch	\$ 8.00	\$ 8,160.00	\$ 15.00	\$ 15,300.00	\$ 7.20	\$ 7,344.00
				<b>BASE BID Subtotal</b>	\$ 1,201,503.10		\$ 1,567,738.01		\$ 1,574,477.15
				10% Contingency	\$ 120,150.31				
				<b>Total</b>	\$ 1,321,653.41		\$ 1,567,738.01		\$ 1,574,477.15

Location # 1				Engineer's Estimate		Crawford Contracting, Inc.		Elmer's Crane and Dozer, Inc.	
ALTERNATE ITEMS									
Item No.	Est Qty	Unit	Description of Items	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
98A	26.00	Ea	Valmont Shaft, Sternberg Arm & Luminaire Per Project Specifications	\$ 8,000.00	\$ 208,000.00	\$ 10,500.00	\$ 273,000.00	\$ 13,185.00	\$ 342,810.00
98B	26.00	Ea	Contractor Shaft, Arm & Luminaire Alternate	\$ 6,000.00	\$ 156,000.00	\$ 7,095.30	\$ 184,477.80	\$ 11,875.00	\$ 308,750.00
200	2.00	Ea	Dimming Systems	\$ 5,000.00	\$ 10,000.00	\$ 5,000.00	\$ 10,000.00	\$ 9,350.00	\$ 18,700.00
201	26.00	Ea	Upper Receptacles and Circuits	\$ 1,500.00	\$ 39,000.00	\$ 1,400.00	\$ 36,400.00	\$ 897.00	\$ 23,322.00
202	26.00	Ea	Lower Receptacles and Circuits	\$ 1,500.00	\$ 39,000.00	\$ 1,400.00	\$ 36,400.00	\$ 880.00	\$ 22,880.00