

**SOUTH BRADWAY RECONSTRUCTION
ARIZONA AVENUE TO IOWA AVENUE
PROJECT NO. CE63046
ENGINEER'S ESTIMATE OF PROBABLE COSTS**

Prepared By: M. Butters
Date Prepared: 2/17/09

Line Item	Contract Item No.	Contract Item	Unit	City and County of Denver				BARD				Project Totals				Concrete Works of Colorado				Concrete Express, Inc.			
				Plan	Unit Price	Extended Amount	Plan	Unit Price	Extended Amount	Plan	Unit Price	Extended Amount	New Design Construction		Travelers Casualty & Surety		Hartford Fire Insurance Co.		Travelers Casualty & Surety				
													Unit Bid	Total Bid	Unit Bid	Total Bid	Unit Bid	Total Bid	Unit Bid	Total Bid			
1	202	Removal of Fire Hydrant	EA	3	\$ 500.00	\$ 1,500.00						3	\$ 500.00	\$ 1,500.00	\$ 1,746.50	\$ 5,239.50	\$ 419.00	\$ 1,257.00	\$ 600.00	\$ 1,800.00			
2	202	Removal of Pipe	LF	546	\$ 25.00	\$ 13,650.00						546	\$ 25.00	\$ 13,650.00	\$ 12.00	\$ 6,552.00	\$ 12.00	\$ 10,101.00	\$ 57.75	\$ 30,439.50			
3	202	Removal of Water Valve	EA	1	\$ 300.00	\$ 300.00						1	\$ 300.00	\$ 300.00	\$ 205.00	\$ 205.00	\$ 314.00	\$ 314.00	\$ 600.00	\$ 600.00			
4	202	Removal of Water Meter	EA	3	\$ 300.00	\$ 900.00						3	\$ 300.00	\$ 900.00	\$ 820.25	\$ 2,460.75	\$ 209.00	\$ 627.00	\$ 600.00	\$ 1,800.00			
5	202	Removal of Pedestrian Light	EA	1	\$ 400.00	\$ 400.00						1	\$ 400.00	\$ 400.00	\$ 22.00	\$ 22.00	\$ 22.00	\$ 22.00	\$ 22.00	\$ 22.00			
6	202	Removal of Waterline	LF	8	\$ 25.00	\$ 200.00						8	\$ 25.00	\$ 200.00	\$ 70.75	\$ 566.00	\$ 5.30	\$ 42.40	\$ 75.40	\$ 603.20			
7	202	Removal of Asphalt Mat	SY	3,621	\$ 5.00	\$ 18,105.00						3,621	\$ 5.00	\$ 18,105.00	\$ 8.64	\$ 31,285.44	\$ 4.05	\$ 14,665.05	\$ 20.40	\$ 73,868.40			
8	202	Removal of Asphalt Mat (Special)	SY	18,809	\$ 8.00	\$ 150,472.00						18,809	\$ 8.00	\$ 150,472.00	\$ 11.25	\$ 211,601.25	\$ 10.00	\$ 189,090.00	\$ 14.40	\$ 270,849.60			
9	202	Removal of Asphalt Mat (Paving)	SY	2,707	\$ 3.00	\$ 8,121.00						2,707	\$ 3.00	\$ 8,121.00	\$ 1.50	\$ 4,069.50	\$ 2.80	\$ 7,579.60	\$ 9.10	\$ 24,633.70			
10	202	Removal of Brick Pavers	SY	581	\$ 5.00	\$ 2,905.00						581	\$ 5.00	\$ 2,905.00	\$ 6.25	\$ 3,631.25	\$ 3.65	\$ 21,206.00	\$ 10.35	\$ 6,013.35			
11	202	Removal of Sidewalk	SY	7,639	\$ 10.00	\$ 76,390.00						7,639	\$ 10.00	\$ 76,390.00	\$ 5.89	\$ 44,993.71	\$ 3.70	\$ 28,264.30	\$ 13.30	\$ 101,598.70			
12	202	Removal of Concrete Curb Ramp	SY	169	\$ 30.00	\$ 5,070.00						169	\$ 30.00	\$ 5,070.00	\$ 7.50	\$ 1,267.50	\$ 7.50	\$ 1,199.90	\$ 7.10	\$ 1,199.90			
13	202	Removal of Concrete Pavement	SY	1,076	\$ 6.00	\$ 6,456.00						1,076	\$ 6.00	\$ 6,456.00	\$ 10.75	\$ 11,567.00	\$ 5.00	\$ 5,380.00	\$ 10.05	\$ 10,813.80			
14	202	Removal of Guard Post (Bolards)	EA	44	\$ 150.00	\$ 6,600.00						44	\$ 150.00	\$ 6,600.00	\$ 32.25	\$ 1,419.00	\$ 24.50	\$ 1,078.00	\$ 50.80	\$ 2,236.20			
15	202	Removal of Trolley Tracks	LF	2,670	\$ 25.00	\$ 66,750.00						2,670	\$ 25.00	\$ 66,750.00	\$ 30.25	\$ 80,787.50	\$ 28.50	\$ 76,095.00	\$ 14.25	\$ 38,047.50			
16	202	Removal of Tree	EA	26	\$ 400.00	\$ 10,400.00						26	\$ 400.00	\$ 10,400.00	\$ 302.00	\$ 7,852.00	\$ 377.00	\$ 9,802.00	\$ 320.00	\$ 8,320.00			
17	202	Removal of Inlet	EA	16	\$ 1,200.00	\$ 19,200.00						16	\$ 1,200.00	\$ 19,200.00	\$ 684.25	\$ 19,948.00	\$ 572.00	\$ 9,152.00	\$ 645.00	\$ 10,320.00			
18	202	Removal of Structure (Special)	EA	1	\$ 1,500.00	\$ 1,500.00						1	\$ 1,500.00	\$ 1,500.00	\$ 3,193.50	\$ 3,193.50	\$ 1,050.00	\$ 1,050.00	\$ 985.00	\$ 985.00			
19	202	Removal of Manhole	EA	1	\$ 1,500.00	\$ 1,500.00						1	\$ 1,500.00	\$ 1,500.00	\$ 907.25	\$ 907.25	\$ 609.00	\$ 609.00	\$ 640.00	\$ 640.00			
20	202	Removal of Curb (Stone)	LF	3,853	\$ 5.00	\$ 19,265.00						3,853	\$ 5.00	\$ 19,265.00	\$ 3.61	\$ 13,993.33	\$ 4.05	\$ 15,604.85	\$ 0.95	\$ 3,693.35			
21	202	Removal of Curb and Gutter	LF	1,239	\$ 6.00	\$ 7,434.00						1,239	\$ 6.00	\$ 7,434.00	\$ 8.75	\$ 10,841.25	\$ 8.30	\$ 10,287.75	\$ 27.25	\$ 33,762.75			
22	202	Removal of Pavement Marking	SF	4,400	\$ 1.50	\$ 6,600.00						4,400	\$ 1.50	\$ 6,600.00	\$ 1.79	\$ 7,876.00	\$ 1.30	\$ 5,720.00	\$ 1.40	\$ 6,160.00			
23	202	Removal of Ground Sign	EA	56	\$ 80.00	\$ 4,480.00						56	\$ 80.00	\$ 4,480.00	\$ 71.25	\$ 3,990.00	\$ 89.50	\$ 5,012.00	\$ 62.15	\$ 3,480.40			
24	202	Removal of Traffic Signal Equipment	LS	1	\$ 30,000.00	\$ 30,000.00						1	\$ 30,000.00	\$ 30,000.00	\$ 2,744.00	\$ 2,744.00	\$ 2,540.00	\$ 2,540.00	\$ 2,725.00	\$ 2,725.00			
25	202	Plug Pipe	EA	22	\$ 800.00	\$ 17,600.00						22	\$ 800.00	\$ 17,600.00	\$ 505.00	\$ 11,110.00	\$ 139.00	\$ 3,036.00	\$ 535.00	\$ 11,770.00			
26	202	Plug Manhole	EA	1	\$ 1,000.00	\$ 1,000.00						1	\$ 1,000.00	\$ 1,000.00	\$ 599.75	\$ 599.75	\$ 737.00	\$ 737.00	\$ 535.00	\$ 535.00			
27	203	Removal of Thrust Wall	EA	1	\$ 1,000.00	\$ 1,000.00						1	\$ 1,000.00	\$ 1,000.00	\$ 436.75	\$ 436.75	\$ 1,120.00	\$ 1,120.00	\$ 2,360.00	\$ 2,360.00			
28	203	Unclassified Excavation	CY	7,645	\$ 10.00	\$ 76,450.00						7,645	\$ 10.00	\$ 76,450.00	\$ 19.04	\$ 145,560.80	\$ 18.00	\$ 137,610.00	\$ 14.35	\$ 109,705.75			
29	203	Muck Excavation	CY	500	\$ 40.00	\$ 20,000.00						500	\$ 40.00	\$ 20,000.00	\$ 27.50	\$ 13,750.00	\$ 41.50	\$ 20,750.00	\$ 50.25	\$ 25,125.00			
30	203	Potholing	HRS	40	\$ 200.00	\$ 8,000.00						40	\$ 200.00	\$ 8,000.00	\$ 363.00	\$ 14,520.00	\$ 231.00	\$ 9,240.00	\$ 225.00	\$ 9,000.00			
31	203	Storm Drain Inlet Protection	EA	54	\$ 200.00	\$ 10,800.00						54	\$ 200.00	\$ 10,800.00	\$ 60.50	\$ 1,059.00	\$ 135.75	\$ 1,100.00	\$ 100.00	\$ 1,400.00			
33	208	Concrete Washout Structure	EA	3	\$ 1,000.00	\$ 3,000.00						3	\$ 1,000.00	\$ 3,000.00	\$ 1,075.00	\$ 3,225.00	\$ 1,310.00	\$ 3,930.00	\$ 1,415.00	\$ 4,245.00			
34	208	Stabilized Construction Entrance	EA	2	\$ 1,200.00	\$ 2,400.00						2	\$ 1,200.00	\$ 2,400.00	\$ 995.75	\$ 1,991.50	\$ 1,310.00	\$ 2,620.00	\$ 700.00	\$ 1,400.00			
35	208	Sediment Removal and Disposal	LS	1	\$ 3,000.00	\$ 3,000.00						1	\$ 3,000.00	\$ 3,000.00	\$ 5,844.75	\$ 5,844.75	\$ 1,840.00	\$ 1,840.00	\$ 19,000.00	\$ 19,000.00			
36	208	Erosion Control Supervisor	DAYS	200	\$ 25.00	\$ 5,000.00						200	\$ 25.00	\$ 5,000.00	\$ 168.00	\$ 33,600.00	\$ 63.00	\$ 12,600.00	\$ 110.00	\$ 22,000.00			
37	210	Reset Water Valve	EA	16	\$ 700.00	\$ 11,200.00						16	\$ 700.00	\$ 11,200.00	\$ 1,083.00	\$ 17,088.00	\$ 1,225.00	\$ 19,600.00	\$ 1,225.00	\$ 19,600.00			
38	210	Reset Water Valve	EA	42	\$ 500.00	\$ 21,000.00						42	\$ 500.00	\$ 21,000.00	\$ 440.75	\$ 28,915.00	\$ 439.00	\$ 18,400.00	\$ 910.00	\$ 34,020.00			
39	210	Reset Fire Hydrant	EA	2	\$ 2,000.00	\$ 4,000.00						2	\$ 2,000.00	\$ 4,000.00	\$ 2,112.50	\$ 4,225.00	\$ 741.00	\$ 1,482.00	\$ 1,940.00	\$ 3,880.00			
40	210	Adjust Manhole	EA	12	\$ 500.00	\$ 6,000.00						12	\$ 500.00	\$ 6,000.00	\$ 288.25	\$ 3,579.00	\$ 254.00	\$ 1,260.00	\$ 435.00	\$ 5,220.00			
41	210	Reset Telemetry	EA	3	\$ 200.00	\$ 600.00						3	\$ 200.00	\$ 600.00	\$ 1,799.00	\$ 5,397.00	\$ 1,660.00	\$ 4,980.00	\$ 1,785.00	\$ 5,355.00			
42	210	Adjust Valve Box	EA	30	\$ 300.00	\$ 9,000.00						30	\$ 300.00	\$ 9,000.00	\$ 216.25	\$ 4,475.00	\$ 242.00	\$ 7,260.00	\$ 240.00	\$ 7,200.00			
43	210	Adjust Water Meter	EA	9	\$ 300.00	\$ 2,700.00						9	\$ 300.00	\$ 2,700.00	\$ 338.25	\$ 3,042.50	\$ 338.25	\$ 2,450.00	\$ 370.00	\$ 6,030.00			
44	210	Connect to Existing 36" RCP	EA	9	\$ 500.00	\$ 4,500.00						9	\$ 500.00	\$ 4,500.00	\$ 1,010.00	\$ 9,090.00	\$ 505.00	\$ 4,545.00	\$ 1,165.00	\$ 10,485.00			
45	210	Connect to Existing 48" RCP	EA	1	\$ 500.00	\$ 500.00						1	\$ 500.00	\$ 500.00	\$ 820.25	\$ 820.25	\$ 419.00	\$ 419.00	\$ 1,165.00	\$ 1,165.00			
46	210	Connect to Existing 54" Brick	EA	4	\$ 2,000.00	\$ 8,000.00						4	\$ 2,000.00	\$ 8,000.00	\$ 988.00	\$ 3,872.00	\$ 1,080.00	\$ 4,320.00	\$ 1,585.00	\$ 6,340.00			
47	210	Connect to Existing 57" Brick	EA	5	\$ 2,000.00	\$ 10,000.00						5	\$ 2,000.00	\$ 10,000.00	\$ 1,017.25	\$ 5,086.25	\$ 1,120.00	\$ 5,600.00	\$ 1,585.00	\$ 7,920.00			
48	210	Connect to Existing 72" RCP	EA	1	\$ 500.00	\$ 500.00						1	\$ 500.00	\$ 500.00	\$ 820.25	\$ 820.25	\$ 420.00	\$ 420.00	\$ 1,165.00	\$ 1,165.00			
49	210	Dewatering	LS	1	\$ 5,000.00	\$ 5,000.00						1	\$ 5,000.00	\$ 5,000.00	\$ 4,877.00	\$ 4,877.00	\$ 10,800.00	\$ 10,900.00	\$ 68,700.00	\$ 68,700.00			
50	210	Connect to Existing Manhole Structure	EA	2	\$ 4,000.00	\$ 8,000.00						2	\$ 4,000.00	\$ 8,000.00	\$ 820.25	\$ 1,640.50	\$ 1,110.00	\$ 2,200.00	\$ 1,480.00	\$ 2,960.00			
51	210	Reset Sandstone Curb	LF	115	\$ 7.00	\$ 805.00						115	\$ 7.00	\$ 805.00	\$ 30.75	\$ 13,530.00	\$ 25.50	\$ 11,220.00	\$ 21.25	\$ 9,350.00			
52	212	Landscape Restoration	SF	2,500	\$ 4.00	\$ 10,000.00						2,500	\$ 4.00	\$ 10,000.00	\$ 4.75	\$ 11,750.00	\$ 6.85	\$ 17,125.00	\$ 7.35	\$ 18,375.00			
53	213	3" Organic Mulch	SF	2,520	\$ 1.50	\$ 3,780.00						2,520	\$ 1.50	\$ 3,780.00	\$ 0.85	\$ 5,895.00	\$ 1.35	\$ 3,355.50	\$ 1.50	\$ 10,395.00			
54	213	Tree Grate	EA	79	\$ 2,500.00	\$ 197,500.00						79	\$ 2,500.00	\$ 197,500.00	\$ 211.25	\$ 168,709.75	\$ 2,200.00	\$ 173,800.00	\$ 3,175.00	\$ 256,825.00			
55	214	Deciduous Tree - Accolade Elm (2.5" caliper)	EA	11	\$ 600.00	\$ 6,600.00						11	\$ 600.00	\$ 6,600.00	\$ 486.00	\$ 5,346.00	\$ 370.00	\$ 4,070.00	\$ 395.00	\$ 4,345.00			
56	214	Deciduous Tree - Bur Oak (2.5" caliper)	EA	8	\$ 600.00	\$ 4,800.00						8	\$ 600.00	\$ 4,800.00	\$ 500.00	\$ 4,000.00	\$ 388.00	\$ 3,104.00	\$ 425.00	\$ 3,400.00			
57	214	Deciduous Tree - Common Hackberry (2.5" caliper)	EA	7	\$ 600.00	\$ 4,200.00						7	\$ 600.00	\$ 4,200.00	\$ 450.00	\$ 3,150.00	\$ 356.00	\$ 2,492.00	\$ 365.00	\$ 2,695.00			
58	214	Deciduous Tree - Ginkgo Linder (2.5" caliper)	EA	12	\$ 600.00	\$ 7,200.00						12	\$ 600.00	\$ 7,200.00	\$ 494.00	\$ 5,928.00	\$ 367.00	\$ 4,404.00	\$ 495.00	\$ 4,740.00			
59	214	Deciduous Tree - Imperial Honeylocust (2.5" caliper)	EA	7	\$ 600.00	\$ 4,200.00						7	\$ 600.00	\$ 4,200.00	\$ 476.00	\$ 3,325.00	\$ 350.00	\$ 2,450.00	\$ 385.00	\$ 2,895.00			
60	214	Deciduous Tree - Japanese Pagoda (2.5" caliper)	EA	10	\$ 600.00	\$ 6,000.00						10	\$ 600.00	\$ 6,000.00	\$ 515.00								

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Line Item	Contract Item No.	Contract Item	Unit	City and County of Denver				BARD				Project Totals				New Design Construction Travelers Casualty & Surety		Concrete Works of Colorado Hartford Fire Insurance Co.		Concrete Express, Inc. Travelers Casualty & Surety		
				Plan		Extended Amount		Plan		Extended Amount		Plan		Extended Amount		Unit Bid	Total Bid	Unit Bid	Total Bid	Unit Bid	Total Bid	
				Plan	Unit Price	Unit Price	Extended Amount	Plan	Unit Price	Unit Price	Extended Amount	Plan	Unit Price	Extended Amount	Plan	Unit Price	Extended Amount	Unit Bid	Total Bid	Unit Bid	Total Bid	Unit Bid
121	609	Concrete Planter Wall (9')	LF	1,116	\$ 20.00	\$	22,320.00			1,116	\$ 20.00	\$	22,320.00			\$ 27.50	\$ 30,690.00	\$ 43.00	\$ 47,988.00	\$ 26.85	\$ 29,964.00	
122	609	Concrete Planter Wall (18')	LF	924	\$ 100.00	\$	92,400.00			924	\$ 100.00	\$	92,400.00			\$ 29.75	\$ 27,489.00	\$ 42.50	\$ 39,270.00	\$ 31.00	\$ 28,644.00	
123	609	Sandstone Cap for Concrete Planter Wall	LF					924	\$ 30.00	\$	27,720.00			924	\$ 30.00	\$	27,720.00	\$ 29.50	\$ 27,258.00	\$ 26.75	\$ 24,717.00	
124	610	Median Cover Material (Patterned Concrete)	SF	11,450	\$ 8.00	\$	91,600.00			11,450	\$ 8.00	\$	91,600.00			\$ 3.51	\$ 40,189.50	\$ 4.15	\$ 47,517.50	\$ 3.95	\$ 45,227.50	
125	613	2 Inch Electrical Conduit (Plastic)	LF	11,155	\$ 12.00	\$	133,860.00			11,155	\$ 12.00	\$	133,860.00			\$ 7.40	\$ 82,547.00	\$ 6.95	\$ 76,411.75	\$ 7.35	\$ 81,989.25	
126	613	3 Inch Electrical Conduit (Plastic)	LF	2,615	\$ 15.00	\$	39,225.00			2,615	\$ 15.00	\$	39,225.00			\$ 17.00	\$ 44,664.00	\$ 16.00	\$ 41,840.00	\$ 16.95	\$ 44,324.25	
127	613	4 Inch Electrical Conduit (Plastic)	LF	2,340	\$ 18.00	\$	42,120.00			2,340	\$ 18.00	\$	42,120.00			\$ 10.25	\$ 23,985.00	\$ 9.45	\$ 22,113.00	\$ 10.15	\$ 23,751.00	
128	613	Pulbox (Special)	EA	38	\$ 800.00	\$	30,400.00			38	\$ 800.00	\$	30,400.00			\$ 341.50	\$ 12,977.00	\$ 316.00	\$ 12,008.00	\$ 340.00	\$ 12,920.00	
129	613	Wiring	LS	1	\$ 10,000.00	\$	10,000.00			1	\$ 10,000.00	\$	10,000.00			\$ 212,913.00	\$ 212,913.00	\$ 197,000.00	\$ 197,000.00	\$ 211,350.00	\$ 211,350.00	
130	613	Light Standard and Luminaire (Pedestrian)	EA					31	\$ 3,500.00	\$	108,500.00			31	\$ 3,500.00	\$	108,500.00	\$ 3,420.00	\$ 106,020.00	\$ 3,675.00	\$ 113,925.00	
131	613	Light Standard and Luminaire (35 Foot)	EA	28	\$ 3,500.00	\$	98,000.00			28	\$ 3,500.00	\$	98,000.00			\$ 2,945.50	\$ 79,702.00	\$ 2,630.00	\$ 73,640.00	\$ 2,825.00	\$ 79,100.00	
132	613	Concrete Foundation Pad	EA	4	\$ 800.00	\$	3,200.00			4	\$ 800.00	\$	3,200.00			\$ 261.75	\$ 1,047.00	\$ 242.00	\$ 968.00	\$ 250.00	\$ 1,040.00	
133	613	Light Standard Foundation	EA	59	\$ 700.00	\$	41,300.00			59	\$ 700.00	\$	41,300.00			\$ 717.25	\$ 42,317.75	\$ 663.00	\$ 39,117.00	\$ 710.00	\$ 41,890.00	
134	613	Light Control Center (Cabinet)	EA	4	\$ 3,500.00	\$	14,000.00			4	\$ 3,500.00	\$	14,000.00			\$ 11,738.75	\$ 46,955.00	\$ 10,800.00	\$ 43,200.00	\$ 11,650.00	\$ 46,600.00	
135	613	Luminaire Metal Halide (250 Watt)	EA	44	\$ 500.00	\$	22,000.00			44	\$ 500.00	\$	22,000.00			\$ 1,309.25	\$ 57,607.00	\$ 1,210.00	\$ 53,240.00	\$ 1,300.00	\$ 57,200.00	
136	614	Sign Panel (Class 1)	SF	281	\$ 20.00	\$	5,620.00			281	\$ 20.00	\$	5,620.00			\$ 26.75	\$ 7,516.75	\$ 16.00	\$ 4,496.00	\$ 26.15	\$ 7,348.15	
137	614	Steel Sign Post (2 x 2 Inch Tubing)	LF	672	\$ 20.00	\$	13,440.00			672	\$ 20.00	\$	13,440.00			\$ 13.50	\$ 9,072.00	\$ 16.00	\$ 10,752.00	\$ 11.90	\$ 7,996.80	
138	614	Pedestrian Signal Face (16) (Countdown)	EA	24	\$ 600.00	\$	14,400.00			24	\$ 600.00	\$	14,400.00			\$ 645.50	\$ 15,492.00	\$ 596.00	\$ 14,304.00	\$ 640.00	\$ 15,360.00	
139	614	Traffic Signal Face (12-12-12)	EA	42	\$ 800.00	\$	33,600.00			42	\$ 800.00	\$	33,600.00			\$ 336.00	\$ 14,112.00	\$ 767.00	\$ 32,214.00	\$ 825.00	\$ 34,650.00	
140	614	Traffic Signal Controller Cabinet	EA	3	\$ 15,000.00	\$	45,000.00			3	\$ 15,000.00	\$	45,000.00			\$ 14,812.75	\$ 44,448.25	\$ 10,500.00	\$ 31,500.00	\$ 11,320.00	\$ 33,960.00	
141	614	Pedestrian Push Button	EA	24	\$ 220.00	\$	5,280.00			24	\$ 220.00	\$	5,280.00			\$ 239.75	\$ 5,754.00	\$ 221.00	\$ 5,304.00	\$ 240.00	\$ 5,760.00	
142	614	Fire Preemption Unit and Timer	EA	12	\$ 3,000.00	\$	36,000.00			12	\$ 3,000.00	\$	36,000.00			\$ 2,277.25	\$ 27,327.00	\$ 2,100.00	\$ 25,200.00	\$ 2,260.00	\$ 27,120.00	
143	614	Intersection Detection System (Camera)	EA	3	\$ 6,000.00	\$	18,000.00			3	\$ 6,000.00	\$	18,000.00			\$ 18,967.50	\$ 56,902.50	\$ 17,500.00	\$ 52,500.00	\$ 18,825.00	\$ 56,475.00	
144	614	Traffic Signal-Light Pole Steel (1-15 Foot Mast Arm)	EA	1	\$ 12,000.00	\$	12,000.00			1	\$ 12,000.00	\$	12,000.00			\$ 14,437.00	\$ 14,437.00	\$ 13,300.00	\$ 13,300.00	\$ 14,335.00	\$ 14,335.00	
145	614	Traffic Signal-Light Pole Steel (1-20 Foot Mast Arm)	EA	1	\$ 14,000.00	\$	14,000.00			1	\$ 14,000.00	\$	14,000.00			\$ 14,482.75	\$ 14,482.75	\$ 13,400.00	\$ 13,400.00	\$ 13,850.00	\$ 13,850.00	
146	614	Traffic Signal-Light Pole Steel (1-25 Foot Mast Arm)	EA	1	\$ 15,000.00	\$	15,000.00			1	\$ 15,000.00	\$	15,000.00			\$ 14,812.75	\$ 14,812.75	\$ 13,700.00	\$ 13,700.00	\$ 14,700.00	\$ 14,700.00	
147	614	Traffic Signal-Light Pole Steel (1-30 Foot Mast Arm)	EA	3	\$ 17,000.00	\$	51,000.00			3	\$ 17,000.00	\$	51,000.00			\$ 14,995.00	\$ 44,985.00	\$ 13,500.00	\$ 40,500.00	\$ 14,445.00	\$ 43,335.00	
148	614	Traffic Signal-Light Pole Steel (1-35 Foot Mast Arm)	EA	2	\$ 18,000.00	\$	36,000.00			2	\$ 18,000.00	\$	36,000.00			\$ 18,763.75	\$ 37,527.50	\$ 17,300.00	\$ 34,600.00	\$ 18,825.00	\$ 37,250.00	
149	614	Traffic Signal-Light Pole Steel (1-40 Foot Mast Arm)	EA	4	\$ 20,000.00	\$	80,000.00			4	\$ 20,000.00	\$	80,000.00			\$ 19,071.00	\$ 76,284.00	\$ 17,600.00	\$ 70,400.00	\$ 18,930.00	\$ 75,720.00	
150	614	Traffic Signal Controller (Solid State) Fully Actuated (12 Phase)	EA	3	\$ 3,000.00	\$	9,000.00			3	\$ 3,000.00	\$	9,000.00			\$ 2,875.00	\$ 8,625.00	\$ 2,660.00	\$ 7,980.00	\$ 2,855.00	\$ 8,565.00	
151	614	Closed Circuit Television (Furnish Only)	EA	1	\$ 8,000.00	\$	8,000.00			1	\$ 8,000.00	\$	8,000.00			\$ 5,123.50	\$ 5,123.50	\$ 4,730.00	\$ 4,730.00	\$ 5,085.00	\$ 5,085.00	
152	619	6" Water Line (Ductile Iron)	LF	16	\$ 120.00	\$	1,920.00			16	\$ 120.00	\$	1,920.00			\$ 53.50	\$ 856.00	\$ 216.00	\$ 3,456.00	\$ 95.00	\$ 1,520.00	
153	619	12" Water Line (2-900, CL 150)	LF	548	\$ 50.00	\$	27,400.00			548	\$ 50.00	\$	27,400.00			\$ 25.25	\$ 13,817.00	\$ 98.50	\$ 52,862.00	\$ 88.50	\$ 32,658.00	
154	619	12" Gate Valve	EA	1	\$ 3,000.00	\$	3,000.00			1	\$ 3,000.00	\$	3,000.00			\$ 2,370.00	\$ 2,370.00	\$ 2,690.00	\$ 2,690.00	\$ 2,510.00	\$ 2,510.00	
155	619	Fire Hydrant	EA	3	\$ 5,000.00	\$	15,000.00			3	\$ 5,000.00	\$	15,000.00			\$ 3,383.50	\$ 10,150.50	\$ 4,220.00	\$ 12,660.00	\$ 3,565.00	\$ 10,695.00	
156	619	3/4" Minimum Poly Drip Tubing	LF				4,800	\$ 0.50	\$	2,400.00			4,800	\$ 0.50	\$	2,400.00	\$ 1.08	\$ 5,184.00	\$ 0.15	\$ 720.00	\$ 0.25	\$ 1,200.00
157	619	2" Class 160 PVC Pipe	LF				8,908	\$ 10.00	\$	89,080.00			8,908	\$ 10.00	\$	89,080.00	\$ 3.70	\$ 32,959.60	\$ 1.65	\$ 14,698.20	\$ 1.80	\$ 16,034.40
158	619	4" Class 160 PVC Pipe	LF				3,550	\$ 12.00	\$	42,600.00			3,550	\$ 12.00	\$	42,600.00	\$ 5.35	\$ 19,134.50	\$ 2.50	\$ 8,875.00	\$ 2.20	\$ 7,810.00
159	619	3/4" Copper Pipe	LF	657	\$ 4.00	\$	2,628.00			40	\$ 4.00	\$	160.00			\$ 2,788.00	\$ 25.25	\$ 17,599.25	\$ 27.00	\$ 18,119.25	\$ 19.00	\$ 13,243.00
160	619	1" Copper Pipe	LF				20	\$ 5.00	\$	100.00			20	\$ 5.00	\$	100.00	\$ 35.00	\$ 700.00	\$ 26.50	\$ 530.00	\$ 44.00	\$ 880.00
161	619	3/4" Plastic Pipe	LF				1,570	\$ 1.40	\$	2,198.00			1,570	\$ 1.40	\$	2,198.00	\$ 0.62	\$ 973.40	\$ 0.40	\$ 628.00	\$ 0.80	\$ 1,256.00
162	619	1" Plastic Pipe	LF				1,570	\$ 2.00	\$	3,140.00			1,570	\$ 2.00	\$	3,140.00	\$ 0.80	\$ 1,256.00	\$ 1.00	\$ 1,570.00	\$ 1.15	\$ 1,805.50
163	619	1 1/4" Plastic Pipe	LF				1,570	\$ 1.40	\$	2,198.00			1,570	\$ 1.40	\$	2,198.00	\$ 1.08	\$ 1,695.60	\$ 1.05	\$ 1,648.50	\$ 2.05	\$ 3,218.50
164	619	1 1/2" Plastic Pipe	LF				5,213	\$ 1.30	\$	6,776.90			5,213	\$ 1.30	\$	6,776.90	\$ 1.21	\$ 6,307.73	\$ 0.55	\$ 6,267.15	\$ 0.70	\$ 3,649.10
165	622	Bicycle Rack	EA	26	\$ 350.00	\$	9,100.00			26	\$ 350.00	\$	9,100.00			\$ 177.50	\$ 4,615.00	\$ 332.00	\$ 8,632.00	\$ 438.00	\$ 11,310.00	
166	622	Bench	EA				4	\$ 600.00	\$	2,400.00			4	\$ 600.00	\$	2,400.00	\$ 1,130.50	\$ 4,522.00	\$ 1,640.00	\$ 6,560.00	\$ 1,390.00	\$ 5,560.00
167	622	Trash Receptacle	EA				5	\$ 450.00	\$	2,250.00			5	\$ 450.00	\$	2,250.00	\$ 1,071.25	\$ 5,356.25	\$ 1,250.00	\$ 6,250.00	\$ 1,080.00	\$ 5,400.00
168	623	Water Meter and Vault	EA				2	\$ 4,000.00	\$	8,000.00			2	\$ 4,000.00	\$	8,000.00	\$ 3,332.50	\$ 6,665.00	\$ 1,200.00	\$ 2,400.00	\$ 2,825.00	\$ 5,650.00
169	623	12" Pop-up Spray Sprinkler	EA				168	\$ 22.00	\$	3,696.00			168	\$ 22.00	\$	3,696.00	\$ 3,098.40	\$ 3,108.00	\$ 3,000.00	\$ 3,000.00	\$ 20.00	\$ 3,330.00
170	623	3/4" Backflow Preventer	EA																			