

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	1. Thompson Electric PRICE	1. Thompson Electric AMOUNT	2. Perram Electric PRICE	2. Perram Electric AMOUNT	*3. W. G. Fairfield Company PRICE	*3. W. G. Fairfield Company AMOUNT
1	103.05	Contract Performance Bond	1	L.S.	\$5,000.00	\$5,000.00	\$4,656.00	\$4,656.00	\$7,200.00	\$7,200.00	\$7,733.00	\$7,733.00
2	265	Water Main Valve Boxes Adjusted	5	EACH	\$50.00	\$250.00	\$105.00	\$525.00	\$300.00	\$1,500.00	\$400.00	\$2,000.00
3	302	Asphalt Concrete, Variable Thickness	30	C.Y.	\$80.00	\$2,400.00	\$288.75	\$8,662.50	\$175.00	\$5,250.00	\$225.00	\$6,750.00
4	407	Tack Coat	10	Gal.	\$1.50	\$15.00	\$5.25	\$52.50	\$2.00	\$20.00	\$2.20	\$22.00
5	455	Curb, Type 6" X 18"	750	L.F.	\$13.00	\$9,750.00	\$36.75	\$27,562.50	\$23.00	\$17,250.00	\$16.00	\$12,000.00
6	456	Curb Ramps, All Types	30	EACH	\$200.00	\$6,000.00	\$525.00	\$15,750.00	\$500.00	\$15,000.00	\$775.00	\$23,250.00
7	456	Concrete Walk, 6 inches Thick	9000	S.F.	\$3.50	\$31,500.00	\$5.76	\$51,840.00	\$5.75	\$51,750.00	\$6.50	\$58,500.00
8	514	Field Painting Existing Steel	14	EACH	\$500.00	\$7,000.00	\$1,127.50	\$15,785.00	\$1,400.00	\$19,600.00	\$704.00	\$9,856.00
9	562	Manhole Adjusted	3	EACH	\$200.00	\$600.00	\$367.50	\$1,102.50	\$750.00	\$2,250.00	\$940.00	\$2,820.00
10	563	Inlet Adjusted	6	EACH	\$200.00	\$1,200.00	\$367.50	\$2,205.00	\$650.00	\$3,900.00	\$780.00	\$4,680.00
11	614	Maintaining Traffic	1	L.S.	\$1,600.00	\$1,600.00	\$8,572.00	\$8,572.00	\$57,500.00	\$57,500.00	\$8,018.00	\$8,018.00
12	621	Crosswalk Lines	150	L.F.	\$2.00	\$300.00	\$10.67	\$1,600.50	\$10.00	\$1,500.00	\$18.00	\$2,700.00
13	625	Conduit Riser, 2" Diameter	2	EACH	\$300.00	\$600.00	\$295.00	\$590.00	\$420.00	\$840.00	\$454.00	\$908.00
14	625	Ground Rod	1	EACH	\$100.00	\$100.00	\$97.00	\$97.00	\$230.00	\$230.00	\$103.00	\$103.00
15	625	Trench in Paved Areas, Type A	266	L.F.	\$100.00	\$26,600.00	\$52.00	\$13,832.00	\$6.40	\$1,702.40	\$35.20	\$9,363.20
16	625	2" Schedule 40 PVC Conduit	45	L.F.	\$20.00	\$900.00	\$1.90	\$85.50	\$5.00	\$225.00	\$4.40	\$198.00
17	625	3" Schedule 40 PVC Conduit	220	L.F.	\$29.00	\$6,380.00	\$3.18	\$699.60	\$5.20	\$1,144.00	\$5.40	\$1,188.00
18	625	Plastic Caution Tape	215	L.F.	\$1.00	\$215.00	\$0.30	\$64.50	\$0.30	\$64.50	\$0.30	\$64.50
19	630	SIGN HANGER ASSEMBLY, MAST ARM	3	EACH	\$200.00	\$600.00	\$235.00	\$705.00	\$140.00	\$420.00	\$192.00	\$576.00
20	630	SIGN, FLAT SHEET, TYPE G	10	S.F.	\$12.00	\$120.00	\$26.90	\$269.00	\$16.00	\$160.00	\$16.80	\$168.00
21	632	Vehicular Signal Head, LED, 1-Section, 12 inch	4	EACH	\$1,000.00	\$4,000.00	\$334.00	\$1,336.00	\$257.00	\$1,028.00	\$344.00	\$1,376.00
22	632	Vehicular Signal Head, LED, 3-Section, 12 inch	36	EACH	\$1,000.00	\$36,000.00	\$556.00	\$20,016.00	\$498.00	\$17,928.00	\$645.00	\$23,220.00
23	632	Vehicular Signal Head, LED, 3-Section, 12 inch Through Green Arrow	2	EACH	\$1,000.00	\$2,000.00	\$559.00	\$1,118.00	\$485.00	\$970.00	\$626.00	\$1,252.00
24	632	Vehicular Signal Head, LED, 5-Section, 12 inch	10	EACH	\$1,200.00	\$12,000.00	\$832.00	\$8,320.00	\$830.00	\$8,300.00	\$964.00	\$9,640.00
25	632	Pedestrian Signal Head, LED, Type D2 Hand/Man Overlay	34	EACH	\$600.00	\$20,400.00	\$334.00	\$11,356.00	\$315.00	\$10,710.00	\$440.00	\$14,960.00
26	632	Pedestrian Push-button	32	EACH	\$150.00	\$4,800.00	\$105.00	\$3,360.00	\$135.00	\$4,320.00	\$110.00	\$3,520.00
27	632	Pull box, 17"x30"x18" Reinforced Polymer Concrete	21	EACH	\$500.00	\$10,500.00	\$386.00	\$8,106.00	\$590.00	\$12,390.00	\$640.00	\$13,440.00
28	632	Signal Support Foundation	1	EACH	\$2,000.00	\$2,000.00	\$1,900.00	\$1,900.00	\$1,580.00	\$1,580.00	\$2,980.00	\$2,980.00
29	632	Signal Support, Type TC-81.20, Design 3	1	EACH	\$5,000.00	\$5,000.00	\$4,746.00	\$4,746.00	\$4,440.00	\$4,440.00	\$5,515.00	\$5,515.00
30	632	Power Cable, 2-Conductor No. 6 AWG	100	L.F.	\$3.00	\$300.00	\$3.20	\$320.00	\$1.40	\$140.00	\$3.10	\$310.00
31	632	Signal Cable, 7-Conductor No. 14 AWG, Stranded	12200	L.F.	\$2.00	\$24,400.00	\$1.66	\$20,252.00	\$1.63	\$19,886.00	\$1.70	\$20,740.00
32	632	Messenger Wire, 7 Strand, 3/8 Inch	1800	L.F.	\$2.00	\$3,600.00	\$1.38	\$2,484.00	\$2.30	\$4,140.00	\$4.20	\$7,560.00
33	632	Covering of Vehicular Signal Head	4	EACH	\$50.00	\$200.00	\$30.00	\$120.00	\$5.00	\$20.00	\$19.00	\$76.00
34	632	Removal of Traffic Signal Installation	1	EACH	\$1,500.00	\$1,500.00	\$600.00	\$600.00	\$1,000.00	\$1,000.00	\$868.00	\$868.00
35	632	Signalization Misc.: Video Detection Unit, As Per Plan	21	EACH	\$5,000.00	\$105,000.00	\$5,051.43	\$106,080.03	\$4,783.00	\$100,443.00	\$6,046.00	\$126,966.00
36	632	Interconnect, Fiber Optic, Trunk Cable, 24 fiber singlemode, Loose Tube	4800	L.F.	\$8.00	\$38,400.00	\$1.20	\$5,760.00	\$1.40	\$6,720.00	\$2.50	\$12,000.00
37	632	Interconnect Misc.: Fan Out Kit, 6 Fiber	10	EACH	\$165.00	\$1,650.00	\$129.00	\$1,290.00	\$15.00	\$150.00	\$81.00	\$810.00
38	632	Interconnect Misc.: Drop Cable 6 Fiber	250	L.F.	\$4.00	\$1,000.00	\$1.01	\$252.50	\$2.00	\$500.00	\$1.80	\$450.00
39	632	Interconnect Misc.: Termination Panel	5	EACH	\$2,000.00	\$10,000.00	\$126.00	\$630.00	\$280.00	\$1,400.00	\$257.00	\$1,285.00

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40	632	Interconnect Misc.: Patch Cord, Four Fiber	10	EACH	\$150.00	\$1,500.00	\$87.15	\$871.50	\$60.00	\$600.00	\$51.00	\$510.00
41	632	Interconnect Misc.: Fusion Splice	104	EACH	\$500.00	\$52,000.00	\$15.75	\$1,638.00	\$20.00	\$2,080.00	\$30.00	\$3,120.00
42	632	Interconnect Misc.: Fusion Splicer	1	EACH	\$7,000.00	\$7,000.00	\$8,872.50	\$8,872.50	\$8,000.00	\$8,000.00	\$25,270.00	\$25,270.00
43	632	Interconnect Misc.: Fiber Optic Cable Testing	1	L.S.	\$6,000.00	\$6,000.00	\$840.00	\$840.00	\$1,900.00	\$1,900.00	\$2,218.00	\$2,218.00
44	632	Interconnect Misc.: Splice Enclosure	8	EACH	\$500.00	\$4,000.00	\$434.70	\$3,477.60	\$375.00	\$3,000.00	\$721.00	\$5,768.00
45	632	Preemption, Emergency, As Per Plan	18	EACH	\$2,000.00	\$36,000.00	\$1,882.69	\$33,888.42	\$2,025.00	\$36,450.00	\$2,163.00	\$38,934.00
46	632	Interconnect Misc.: Transceiver	6	EACH	\$600.00	\$3,600.00	\$1,050.00	\$6,300.00	\$1,000.00	\$6,000.00	\$1,287.00	\$7,722.00
47	632	Interconnect Misc.: Transceiver (Ethernet for Video)	6	EACH	\$600.00	\$3,600.00	\$2,415.00	\$14,490.00	\$2,300.00	\$13,800.00	\$3,343.00	\$20,058.00
48	633	Video Misc.: Four Camera Video Server	5	EACH	\$25,000.00	\$125,000.00	\$1,312.50	\$6,562.50	\$1,250.00	\$6,250.00	\$1,606.00	\$8,030.00
49	632	Interconnect Misc.: Fiber Optic Training Plan	1	L.S.	\$3,500.00	\$3,500.00	\$6,195.00	\$6,195.00	\$8,000.00	\$8,000.00	\$11,466.00	\$11,466.00
50	632	Interconnect Misc.: Cleave Tool	1	EACH	\$1,500.00	\$1,500.00	\$4,077.15	\$4,077.15	\$3,300.00	\$3,300.00	\$3,949.00	\$3,949.00
51	632	Interconnect Misc.: Fiber Optic Termination Tool	1	EACH	\$2,000.00	\$2,000.00	\$1,914.15	\$1,914.15	\$450.00	\$450.00	\$1,465.00	\$1,465.00
52	632	Interconnect Misc.: Optical Time Domain Reflectometer	1	EACH	\$10,000.00	\$10,000.00	\$9,579.15	\$9,579.15	\$12,000.00	\$12,000.00	\$25,346.00	\$25,346.00
53	633	Controller Unit, Econolite ASC/2S-2100 TS2, Type 2	1	EACH	\$5,000.00	\$5,000.00	\$3,675.00	\$3,675.00	\$3,680.00	\$3,680.00	\$5,775.00	\$5,775.00
54	633	Controller Work Pad	5	EACH	\$200.00	\$1,000.00	\$130.00	\$650.00	\$240.00	\$1,200.00	\$78.00	\$390.00
55	633	Flasher Controller	1	EACH	\$5,000.00	\$5,000.00	\$600.00	\$600.00	\$515.00	\$515.00	\$521.00	\$521.00
56	633	Controller, Master, Traffic Responsive	1	EACH	\$10,000.00	\$10,000.00	\$7,875.00	\$7,875.00	\$8,400.00	\$8,400.00	\$9,659.00	\$9,659.00
ALTERNATE #1												
Alt. 1	632	Signalization Misc.: Video Detection Unit, as per plan, Autoscope Solo MVP	21	EACH	\$5,000.00	\$105,000.00	\$5,088.00	\$106,848.00	\$4,783.00	\$100,443.00	\$6,046.00	\$126,966.00
ALTERNATE #2												
Alt. 2	632	Interconnect Misc.: Termination Panel	5	EACH	\$2,000.00	\$10,000.00	\$93.45	\$467.25	\$365.00	\$1,825.00	\$327.00	\$1,635.00
ALTERNATE #3												
Alt. 3	514	Field Painting Existing Steel	14	EACH	\$500.00	\$7,000.00	\$1,105.00	\$15,470.00	\$1,680.00	\$23,520.00	\$724.00	\$10,136.00
TOTAL CONSTRUCTION COSTS						\$660,580.00		\$464,208.60		\$499,195.90		\$568,066.70
+/- ENGINEER'S ESTIMATE								-29.7%		-24.4%		-14.0%
ALTERNATE #1												
TOTAL CONSTRUCTION COSTS						\$105,000.00		\$106,848.00		\$100,443.00		\$126,966.00
+/- ENGINEER'S ESTIMATE								+1.8%		-24.4%		-14.0%
ALTERNATE #2												
TOTAL CONSTRUCTION COSTS						\$10,000.00		\$467.25		\$1,825.00		\$1,635.00
+/- ENGINEER'S ESTIMATE								-95.3%		-4.3%		+20.9%
ALTERNATE #3												
TOTAL CONSTRUCTION COSTS						\$7,000.00		\$15,470.00		\$23,520.00		\$10,136.00
+/- ENGINEER'S ESTIMATE								+121.0%		-81.8%		-83.7%

* Complete Bid book not submitted or bound, only 1 EEO form submitted