

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*1. Thompson Electric, Inc.		2. Perram Electric, Inc.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	103.05	Contract Performance Bond	1	L.S.	\$20,000.00	\$20,000.00	\$6,616.00	\$6,616.00	\$7,945.00	\$7,945.00
2	201	Clearing and Grubbing	1	L.S.	\$4,000.00	\$4,000.00	\$250.00	\$250.00	\$100.00	\$100.00
3	456	Concrete Walk, 6 inches Thick	200	S.F.	\$6.00	\$1,200.00	\$5.50	\$1,100.00	\$15.00	\$3,000.00
4	613	Uniformed Law Enforcement Officer w/ Patrol Car	250	HOUR	\$45.00	\$11,250.00	\$45.00	\$11,250.00	\$45.00	\$11,250.00
5	614	Maintaining Traffic	1	L.S.	\$15,000.00	\$15,000.00	\$1,750.00	\$1,750.00	\$20,000.00	\$20,000.00
6	619	Field Office	1	L.S.	\$19,200.00	\$19,200.00	\$1,600.00	\$1,600.00	\$6,000.00	\$6,000.00
7	623	Construction Layout Stakes	1	L.S.	\$10,000.00	\$10,000.00	\$2,500.00	\$2,500.00	\$7,400.00	\$7,400.00
8	624	Mobilization	1	L.S.	\$10,000.00	\$10,000.00	\$3,591.80	\$3,591.80	\$16,610.00	\$16,610.00
9	SPEC	Work Involving Petroleum Contaminated Soils	1	ALLOW	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00
SIGNALS										
10	514	Field Painting of Existing Steel, As Per Plan	4	EACH	\$250.00	\$1,000.00	\$1,233.75	\$4,935.00	\$1,500.00	\$6,000.00
11	625	Ground Rod (Installation Only)	19	EACH	\$50.00	\$950.00	\$65.00	\$1,235.00	\$162.15	\$3,080.85
12	625	Ground Rod, As Per Plan (Installation Only)	6	EACH	\$55.00	\$330.00	\$65.00	\$390.00	\$155.00	\$930.00
13	625	Trenching and Backfill, 42 inches Deep (Traffic)	70	L.F.	\$6.00	\$420.00	\$5.30	\$371.00	\$8.75	\$612.50
14	625	Trench in Paved Areas, Type A, As Per Plan	599	L.F.	\$21.00	\$12,579.00	\$54.00	\$32,346.00	\$5.40	\$3,234.60
15	625	Trench in Paved Areas, Type B, As Per Plan	378	L.F.	\$28.00	\$10,584.00	\$54.00	\$20,412.00	\$18.10	\$6,841.80
16	625	Conduit, 3 inch, 713.07	447	L.F.	\$6.00	\$2,682.00	\$3.27	\$1,461.69	\$4.65	\$2,078.55
17	625	Conduit, 4 inch, 713.07	136	L.F.	\$8.00	\$1,088.00	\$8.90	\$1,210.40	\$2.00	\$272.00
18	625	Conduit, 3 inch, 713.07 Encased (Traffic)	119	L.F.	\$12.50	\$1,487.50	\$8.50	\$1,011.50	\$5.85	\$696.15
19	625	Conduit, 3 inch, 713.07 Encased	361	L.F.	\$12.00	\$4,332.00	\$8.50	\$3,068.50	\$5.85	\$2,111.85
20	630	Sign Hanger Assembly, Mast Arm	5	EACH	\$173.58	\$867.90	\$200.50	\$1,002.50	\$240.00	\$1,200.00
21	629	Street Name Sign Assembly on Mast Arm	19	EACH	\$310.00	\$5,890.00	\$235.00	\$4,465.00	\$280.00	\$5,320.00
22	630	Signs, Flat Sheet Pull box, 713.06, 17 inch x 30 inch x 18 inch Reinforced	33	S.F.	\$12.50	\$412.50	\$25.75	\$849.75	\$14.70	\$485.10
23	632	Polymer Concrete	18	EACH	\$600.00	\$10,800.00	\$377.50	\$6,795.00	\$710.00	\$12,780.00
24	632	Covering of Pedestrian Signal Head Vehicular Signal Head, Polycarbonate, w/ LED, 3-Section,	24	EACH	\$20.00	\$480.00	\$20.00	\$480.00	\$3.00	\$72.00
25	632	12 inch Lens, 1-Way, As Per Plan Vehicular Signal Head, Polycarbonate, w/ LED, 5-Section,	41	EACH	\$774.61	\$31,759.01	\$573.50	\$23,513.50	\$486.10	\$19,930.10
26	632	12 inch Lens, 1-Way, As Per Plan Reuse Vehicular Signal Head, w/ LED, 1-Section, 12 inch	12	EACH	\$1,060.00	\$12,720.00	\$869.95	\$10,439.40	\$808.00	\$9,696.00
27	632	Lens, 1-Way, As Per Plan Reuse Vehicular Signal Head, w/ LED, 1-Section, 12 inch	1	EACH	\$250.00	\$250.00	\$240.50	\$240.50	\$290.00	\$290.00
28	632	Lens, 2-Way, As Per Plan Reuse Vehicular Signal Head, w/ LED, 1-Section, 12 inch	2	EACH	\$300.00	\$600.00	\$268.75	\$537.50	\$355.00	\$710.00
29	632	Lens, 3-Way, As Per Plan	1	EACH	\$350.00	\$350.00	\$371.75	\$371.75	\$460.00	\$460.00
30	632	Pedestrian Signal Head, w/ LED, Type D2, As Per Plan	42	EACH	\$520.00	\$21,840.00	\$327.00	\$13,734.00	\$300.00	\$12,600.00
31	632	Pedestrian Push-button, As Per Plan	42	EACH	\$133.00	\$5,586.00	\$108.75	\$4,567.50	\$135.00	\$5,670.00
32	632	Signal Support Foundation, As Per Plan	11	EACH	\$1,900.00	\$20,900.00	\$1,500.00	\$16,500.00	\$3,615.00	\$39,765.00
33	632	Pedestal Foundation	8	EACH	\$500.00	\$4,000.00	\$350.00	\$2,800.00	\$1,500.00	\$12,000.00

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					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
34	632	Signal Support, Type TC-81.20, Design 1, As Per Plan	1	EACH	\$2,600.00	\$2,600.00	\$3,423.00	\$3,423.00	\$2,990.00	\$2,990.00
35	632	Combination Signal Support, Type TC-81.20, Design 3 Pole w/ Design 2 Arm and Design 1 Arm, w/ Light Pole Extension, As Per Plan	1	EACH	\$5,000.00	\$5,000.00	\$6,084.25	\$6,084.25	\$4,780.00	\$4,780.00
36	632	Combination Signal Support, Type TC-81.20, Design 4 Pole w/ Design 2 Arm and Design 2 Arm, w/ Light Pole Extension, As Per Plan	1	EACH	\$5,300.00	\$5,300.00	\$6,964.00	\$6,964.00	\$5,940.00	\$5,940.00
37	632	Combination Signal Support, Type TC-81.20, Design 1 Pole w/ Light Pole Extension, As Per Plan	2	EACH	\$3,700.00	\$7,400.00	\$3,790.00	\$7,580.00	\$3,540.00	\$7,080.00
38	632	Combination Signal Support, Type TC-81.20, Design 2 Pole w/ Light Pole Extension, As Per Plan	2	EACH	\$3,900.00	\$7,800.00	\$4,146.50	\$8,293.00	\$3,947.50	\$7,895.00
39	632	Combination Signal Support, Type TC-81.20, Design 3 Pole w/ Light Pole Extension, As Per Plan	4	EACH	\$4,100.00	\$16,400.00	\$5,814.00	\$23,256.00	\$3,967.50	\$15,870.00
40	632	Pedestal, 8 feet, Transformer Base	8	EACH	\$450.00	\$3,600.00	\$413.25	\$3,306.00	\$555.00	\$4,440.00
41	632	Install School Speed Limit Sign Assembly w/ Beacon, As Per Plan	2	EACH	\$850.00	\$1,700.00	\$1,892.50	\$3,785.00	\$1,890.00	\$3,780.00
42	632	Signal Cable, 5-Conductor No. 14 AWG	1400	L.F.	\$1.35	\$1,890.00	\$1.19	\$1,666.00	\$1.00	\$1,400.00
43	632	Signal Cable, 7-Conductor No. 14 AWG	11200	L.F.	\$1.70	\$19,040.00	\$1.31	\$14,672.00	\$1.15	\$12,880.00
44	632	Power Cable, 3-Conductor No. 4 AWG	332	L.F.	\$2.78	\$922.96	\$3.93	\$1,304.76	\$2.50	\$830.00
45	632	Power Service, As Per Plan	6	EACH	\$931.97	\$5,591.82	\$975.00	\$5,850.00	\$780.00	\$4,680.00
46	632	Covering of Vehicular Signal Head	24	EACH	\$20.00	\$480.00	\$30.00	\$720.00	\$50.00	\$1,200.00
47	632	Removal of Traffic Signal Installation, As Per Plan	7	EACH	\$1,200.00	\$8,400.00	\$1,000.00	\$7,000.00	\$1,028.60	\$7,200.20
48	632	Signalization Misc., Video Detection Unit, As Per Plan	23	EACH	\$6,000.00	\$138,000.00	\$5,163.00	\$118,749.00	\$5,036.50	\$115,839.50
49	632	Signalization Misc: Furnish Equipment, As Per Plan	1	Allowance	\$10,500.00	\$10,500.00	\$10,500.00	\$10,500.00	\$10,500.00	\$10,500.00
		Controller, Actuated, 4-12 Phase, Solid-State Digital Microprocessor, Econolite ASC/2S-2100, Type 2 w/TS-1								
50	633	Cabinet	6	EACH	\$7,500.00	\$45,000.00	\$10,906.00	\$65,436.00	\$9,860.00	\$59,160.00
51	633	Cabinet Foundation, As Per Plan	6	EACH	\$850.00	\$5,100.00	\$893.50	\$5,361.00	\$1,050.00	\$6,300.00
52	633	Controller Work Pad	2	EACH	\$250.00	\$500.00	\$145.25	\$290.50	\$100.00	\$200.00
53	633	Controller Item, Misc., Pre-Emption Priority Control	6	EACH	\$4,500.00	\$27,000.00	\$7,174.00	\$43,044.00	\$7,550.00	\$45,300.00
54	633	Controller Item, Misc., Fiber Optic Ethernet Transceiver	6	EACH	\$1,000.00	\$6,000.00	\$3,097.50	\$18,585.00	\$2,950.00	\$17,700.00
		Controller Item, Misc., Uninterruptible Power Supply (UPS),								
55	633	1000 Watt	3	EACH	\$4,000.00	\$12,000.00	\$4,043.50	\$12,130.50	\$3,740.00	\$11,220.00
56	632	Signalization, Misc. Expansion of ICONS System	1	L.S.	\$25,000.00	\$25,000.00	\$26,250.00	\$26,250.00	\$25,000.00	\$25,000.00
57	632	Controller Item, Misc., System Timing and Evaluation	1	L.S.	\$10,000.00	\$10,000.00	\$11,000.00	\$11,000.00	\$10,000.00	\$10,000.00
INTERCONNECT										
		Pull box, 713.06, 17 inch x 30 inch x 18 inch Reinforced								
58	632	Polymer Concrete	2	EACH	\$600.00	\$1,200.00	\$377.50	\$755.00	\$1,300.00	\$2,600.00
59	632	Interconnect Misc., Drop Cable, 6 Fiber	712	L.F.	\$2.00	\$1,424.00	\$1.09	\$776.08	\$2.00	\$1,424.00

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					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
60	632	Interconnect Misc., Trunk Cable, 24 Fiber, Loose Tube, Single Mode	4426	L.F.	\$2.50	\$11,065.00	\$2.64	\$11,684.64	\$1.40	\$6,196.40
61	632	Conduit Riser, 2 inch Diameter	1	EACH	\$100.00	\$100.00	\$300.00	\$300.00	\$420.00	\$420.00
62	632	Interconnect Misc., Fan Out Kit, 6 Fiber	6	EACH	\$176.00	\$1,056.00	\$129.15	\$774.90	\$15.00	\$90.00
63	632	Interconnect Misc., Fiber Optic Patch Cord, 4 Fiber	6	EACH	\$128.00	\$768.00	\$87.15	\$522.90	\$150.00	\$900.00
64	632	Interconnect Misc., Terminal Panel, Controller Cabinet	6	EACH	\$600.00	\$3,600.00	\$120.75	\$724.50	\$280.00	\$1,680.00
65	632	Interconnect Misc., Fusion Splice	36	EACH	\$90.00	\$3,240.00	\$15.75	\$567.00	\$65.00	\$2,340.00
66	632	Interconnect Misc., Splice Enclosure, Aerial	3	EACH	\$593.00	\$1,779.00	\$399.00	\$1,197.00	\$415.00	\$1,245.00
67	632	Interconnect Misc., Splice Enclosure, Underground	3	EACH	\$593.00	\$1,779.00	\$434.70	\$1,304.10	\$425.00	\$1,275.00
68	632	Interconnect Misc., Fiber Optical Cable Testing	1	L.S.	\$5,000.00	\$5,000.00	\$840.00	\$840.00	\$2,800.00	\$2,800.00
69	632	Interconnect Misc., Communication Link	1	L.S.	\$4,500.00	\$4,500.00	\$4,147.50	\$4,147.50	\$10,215.00	\$10,215.00
70	632	Interconnect Misc., Slack Installation	8	EACH	\$300.00	\$2,400.00	\$148.35	\$1,186.80	\$460.00	\$3,680.00
71	625	Trench, Misc: Trench for Fiber Optic Cable	16	L.F.	\$6.00	\$96.00	\$5.30	\$84.80	\$80.65	\$1,290.40
72	632	Interconnect Misc., Fiber Optic Connector	36	EACH	\$100.00	\$3,600.00	\$10.00	\$360.00	\$40.00	\$1,440.00
73	632	Interconnect Misc., Pole Entrance Fitting	4	EACH	\$100.00	\$400.00	\$77.00	\$308.00	\$475.00	\$1,900.00
LIGHTING										
74	625	Pull box, 713.06, 18 inch x 24 inch x 18 inch Reinforced Polymer Concrete	10	EACH	\$600.00	\$6,000.00	\$377.50	\$3,775.00	\$400.00	\$4,000.00
75	625	1.5 inch Duct-Cable w/ 2 No. 4 AWG 600-Volt Cable	704	L.F.	\$3.50	\$2,464.00	\$3.90	\$2,745.60	\$2.00	\$1,408.00
76	625	No. 10 AWG Pole and Bracket Cable	1240	L.F.	\$0.85	\$1,054.00	\$0.70	\$868.00	\$0.95	\$1,178.00
77	625	Trench in Paved Areas, Type A, As Per Plan	139	L.F.	\$21.00	\$2,919.00	\$54.00	\$7,506.00	\$5.20	\$722.80
78	625	Trench in Paved Areas, Type B, As Per Plan	398	L.F.	\$28.00	\$11,144.00	\$54.00	\$21,492.00	\$18.10	\$7,203.80
79	625	Conduit, 2 inch, 713.07	139	L.F.	\$4.00	\$556.00	\$1.33	\$184.87	\$5.00	\$695.00
80	625	Conduit, 3 inch, 713.07 Encased	398	L.F.	\$12.00	\$4,776.00	\$5.70	\$2,268.60	\$5.85	\$2,328.30
81	625	4 Unit Mole Connector	20	EACH	\$240.00	\$4,800.00	\$130.00	\$2,600.00	\$85.00	\$1,700.00
82	625	Connector Kit, Type 2	10	EACH	\$58.00	\$580.00	\$60.00	\$600.00	\$65.00	\$650.00
83	625	Connector Kit, Type 3	10	EACH	\$63.00	\$630.00	\$60.00	\$600.00	\$65.00	\$650.00
84	625	Lighting Misc., Power Service	3	EACH	\$1,500.00	\$4,500.00	\$950.00	\$2,850.00	\$430.00	\$1,290.00
85	625	Luminaire, Conventional 250 W HPS, 120 Volt	10	EACH	\$300.00	\$3,000.00	\$355.00	\$3,550.00	\$240.00	\$2,400.00
86	625	Lamp, 250 W HPS, 120 Volt	10	EACH	\$175.00	\$1,750.00	\$18.75	\$187.50	\$20.00	\$200.00
87	625	Luminaire Removed	5	EACH	\$30.00	\$150.00	\$57.00	\$285.00	\$90.00	\$450.00

ALTERNATE #1

1	632	Signalization Misc., Video Detection, As Per Plan, Autoscope Solo MVP - Alternate Bid	23	EACH	\$8,000.00	\$184,000.00	\$5,049.00	\$116,127.00	\$5,036.50	\$115,839.50
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ALTERNATE #2

2	633	Controller Item, Misc., Pre-Emption, Sonem 2000 - Alternate Bid	6	EACH	\$9,500.00	\$57,000.00	\$6,195.00	\$37,170.00	\$7,550.00	\$45,300.00
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ALTERNATE #3

BID TAB FOR: Tallmadge Avenue Signalization

FILE NO. 2003-011-00

BID DATE: May 3, 2006

CODE: 41299A-B03009

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3	632	Interconnect Misc., Trunk Cable, 48 Fiber, Loose Tube, Single Mode	4426	L.F.	\$4.25	\$18,810.50	\$3.47	\$15,358.22	\$2.05	\$9,073.30
TOTAL CONSTRUCTION COSTS						\$697,112.69		\$664,691.09		\$668,697.90
+/- ENGINEER'S ESTIMATE								-4.7%		-4.1%
ALTERNATE #1										
TOTAL CONSTRUCTION COSTS						\$184,000.00		\$116,127.00		\$115,839.50
+/- ENGINEER'S ESTIMATE								-36.9%		-37.0%
ALTERNATE #2										
TOTAL CONSTRUCTION COSTS						\$57,000.00		\$37,170.00		\$45,300.00
+/- ENGINEER'S ESTIMATE								-34.8%		-20.5%
ALTERNATE #3										
TOTAL CONSTRUCTION COSTS						\$18,810.50		\$15,358.22		\$9,073.30
+/- ENGINEER'S ESTIMATE								-18.4%		-51.8%

* Addenda No. 1 not included in bid book