

BID TAB FOR: E. Market St Fiber & Signalization PID 87783

FILE NO. 2007-067-00

BID DATE: February 27, 2013

CODE: 4060-B07032

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	ENGINEER'S ESTIMATE UNIT	PRICE	AMOUNT	1. Perram Electric PRICE	AMOUNT	*2. Thompson Electric, Inc. PRICE	AMOUNT
<b>ROADWAY</b>										
01	202	Light Pole Removed	36	EACH	\$250.00	\$9,000.00	\$200.00	\$7,200.00	\$568.00	\$20,448.00
02	456	Concrete Walk, 6" Thick (for Curb Ramp)	6,800	S.F.	\$4.50	\$30,600.00	\$5.35	\$36,380.00	\$5.41	\$36,788.00
03	456	Curb Ramp	29	EACH	\$300.00	\$8,700.00	\$250.00	\$7,250.00	\$262.50	\$7,612.50
<b>PAVEMENT</b>										
04	455	Curb, Type 6"x18"	680	L.F.	\$18.00	\$12,240.00	\$18.50	\$12,580.00	\$19.43	\$13,212.40
<b>LIGHTING</b>										
05	SPEC	Steel Light Pole w/ Luminaire, (30' Round Davit Pole w/ 6' Arm and LED Luminaire), Complete and In Place	21	EACH	\$4,000.00	\$84,000.00	\$3,850.00	\$80,850.00	\$4,011.44	\$84,240.24
06	SPEC	Steel Light Pole w/ Luminaire on existing foundation, (30' Round Davit Pole w/ 6' Arm and LED Luminaire), Complete and In Place	28	EACH	\$3,000.00	\$84,000.00	\$2,585.00	\$72,380.00	\$2,828.44	\$79,196.32
07	625	4 Unit Mole Connector	16	EACH	\$50.00	\$800.00	\$87.60	\$1,401.60	\$75.02	\$1,200.32
08	625	Connector Kit, Type 2	11	EACH	\$60.00	\$660.00	\$88.75	\$976.25	\$93.20	\$1,025.20
09	625	AWG No. 4 Type USE/XLP copper 600 volt distribution cable	12,000	L.F.	\$2.00	\$24,000.00	\$2.15	\$25,800.00	\$2.11	\$25,320.00
10	625	Conduit, 2 inch, 713.07	3,050	L.F.	\$5.00	\$15,250.00	\$3.90	\$11,895.00	\$3.35	\$10,217.50
11	625	Conduit, 2 inch, 713.07 Encased	540	L.F.	\$10.00	\$5,400.00	\$7.80	\$4,212.00	\$6.67	\$3,601.80
12	625	Trench	2,510	L.F.	\$6.00	\$15,060.00	\$4.55	\$11,420.50	\$5.75	\$14,432.50
13	625	Trench in Paved Areas, Type B	540	L.F.	\$15.00	\$8,100.00	\$60.00	\$32,400.00	\$79.60	\$42,984.00
14	625	Pull Box, 18"x24"x18" Reinforced Polymer Concrete	11	EACH	\$450.00	\$4,950.00	\$885.00	\$9,735.00	\$598.80	\$6,586.80
15	625	Metered Power Service	3	EACH	\$5,000.00	\$15,000.00	\$2,310.00	\$6,930.00	\$1,264.00	\$3,792.00
16	625	High Voltage Test	1	L.S.	\$2,000.00	\$2,000.00	\$1.00	\$1.00	\$1,560.00	\$1,560.00
17	625	Bracket Arm, 16'	6	EACH	\$600.00	\$3,600.00	\$950.00	\$5,700.00	\$1,174.00	\$7,044.00
18	625	Luminair, 150 Watt LED Cobra	6	EACH	\$500.00	\$3,000.00	\$695.00	\$4,170.00	\$608.90	\$3,653.40
19	625	AWG No. 10 pole and bracket cable	1,320	L.F.	\$1.50	\$1,980.00	\$0.95	\$1,254.00	\$1.56	\$2,059.20
<b>TRAFFIC CONTROL</b>										
20	621	Crosswalk lines	1,016	L.F.	\$2.00	\$2,032.00	\$1.50	\$1,524.00	\$1.89	\$1,920.24
21	621	Stop Lines	260	L.F.	\$4.00	\$1,040.00	\$2.60	\$676.00	\$2.94	\$764.40
22	621	Lane Lines	1,991	L.F.	\$2.00	\$3,982.00	\$0.90	\$1,791.90	\$0.08	\$159.28
23	621	Lane Arrows	17	EACH	\$60.00	\$1,020.00	\$45.00	\$765.00	\$47.25	\$803.25
24	629	Street Name Sign Assembly on Mast Arm	10	EACH	\$450.00	\$4,500.00	\$530.00	\$5,300.00	\$420.00	\$4,200.00

**TRAFFIC SIGNALS**

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				UNIT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
25	625	Trench in Paved Areas, Type A	507	L.F.	\$30.00	\$15,210.00	\$50.00	\$25,350.00	\$58.80	\$29,811.60
26	625	Trench in Paved Areas, Type B	813	L.F.	\$35.00	\$28,455.00	\$58.00	\$47,154.00	\$74.40	\$60,487.20
27	625	Ground Rod, As Per Plan	5	EACH	\$125.00	\$625.00	\$180.00	\$900.00	\$116.60	\$583.00
28	625	Special - Plastic Caution Tape	1,360	L.F.	\$0.50	\$680.00	\$0.05	\$68.00	\$0.19	\$258.40
29	632	Vehicular Signal Head, (LED), 3-Section, 12" LENS, 1 Way, Polycarbonate, As Per Plan	13	EACH	\$700.00	\$9,100.00	\$520.00	\$6,760.00	\$670.00	\$8,710.00
30	632	Vehicular Signal Head, (LED), 5-Section, 12" LENS, 1 Way, Polycarbonate, As Per Plan	3	EACH	\$1,000.00	\$3,000.00	\$885.00	\$2,655.00	\$1,076.00	\$3,228.00
31	632	Pedestrian Signal Head, (LED), Type D2, As Per Plan	17	EACH	\$600.00	\$10,200.00	\$370.00	\$6,290.00	\$548.00	\$9,316.00
32	632	Covering of Vehicular Signal Head	30	EACH	\$25.00	\$750.00	\$10.00	\$300.00	\$36.10	\$1,083.00
33	632	Covering of Pedestrian Signal Head	29	EACH	\$20.00	\$580.00	\$5.00	\$145.00	\$36.10	\$1,046.90
34	632	Power Service, APP	3	EACH	\$1,500.00	\$4,500.00	\$1,635.00	\$4,905.00	\$1,428.40	\$4,285.20
35	632	Conduit, 2", 713.07	139	L.F.	\$5.00	\$695.00	\$6.25	\$868.75	\$3.35	\$465.65
36	632	Conduit, 3", 713.07	566	L.F.	\$6.00	\$3,396.00	\$9.05	\$5,122.30	\$4.46	\$2,524.36
37	632	Conduit, 3", 713.07 Encased (Traffic)	1,310	L.F.	\$12.00	\$15,720.00	\$11.25	\$14,737.50	\$11.70	\$15,327.00
38	632	Pedestrian Push Button, As Per Plan	17	EACH	\$700.00	\$11,900.00	\$190.00	\$3,230.00	\$198.34	\$3,371.78
39	632	Pullbox, Polymer Concrete, 24" x 36" x 24"	28	EACH	\$700.00	\$19,600.00	\$915.00	\$25,620.00	\$828.20	\$23,189.60
40	632	Pullbox, Polymer Concrete, 30" x 48" x 24"	3	EACH	\$1,000.00	\$3,000.00	\$1,485.00	\$4,455.00	\$1,100.80	\$3,302.40
41	632	Signal Cable, 7 Conductor, No.14 AWG	10,446	L.F.	\$2.00	\$20,892.00	\$2.10	\$21,936.60	\$2.07	\$21,623.22
42	632	Interconnect Cable, Misc.: Drop Cable, 6 Fiber	725	L.F.	\$30.00	\$21,750.00	\$1.30	\$942.50	\$1.96	\$1,421.00
43	632	Interconnect Cable, Misc.: Trunk Cable, 24 Fiber, Loose Tube, Single Mode	5,500	L.F.	\$2.00	\$11,000.00	\$1.65	\$9,075.00	\$2.17	\$11,935.00
44	632	Interconnect, Misc.: Fusion Splice	48	EACH	\$22.00	\$1,056.00	\$32.80	\$1,574.40	\$43.20	\$2,073.60
45	632	Interconnect, Misc.: Terminal Panel, Controller Cabinet	6	EACH	\$300.00	\$1,800.00	\$430.00	\$2,580.00	\$114.00	\$684.00
46	632	Interconnect, Misc.: Fiber Optic Connector	12	EACH	\$30.00	\$360.00	\$65.35	\$784.20	\$30.00	\$360.00
47	632	Interconnect, Misc.: Fan Out Kit, 6 Fiber	6	EACH	\$30.00	\$180.00	\$6.00	\$36.00	\$39.60	\$237.60
48	632	Interconnect, Misc.: Splice Enclosure (Aerial or Underground)	6	EACH	\$260.00	\$1,560.00	\$705.00	\$4,230.00	\$648.00	\$3,888.00
49	632	Interconnect, Misc.: Slack Installation	6	EACH	\$400.00	\$2,400.00	\$145.00	\$870.00	\$180.00	\$1,080.00
50	632	Interconnect, Misc.: Fiber Optic Patch Cord, 4 Fiber	6	EACH	\$100.00	\$600.00	\$94.00	\$564.00	\$86.40	\$518.40
51	632	Interconnect, Misc.: Fiber Optic Cable Testing General	1	L.S.	\$900.00	\$900.00	\$2,065.00	\$2,065.00	\$1,152.00	\$1,152.00
52	632	Signal Support Foundation	6	EACH	\$2,000.00	\$12,000.00	\$2,975.00	\$17,850.00	\$2,160.00	\$12,960.00
53	632	Pedestal Foundation	11	EACH	\$500.00	\$5,500.00	\$755.00	\$8,305.00	\$552.00	\$6,072.00
54	632	Power Cable, 3 Conductor, No. 4 AWG	160	L.F.	\$3.50	\$560.00	\$6.05	\$968.00	\$5.03	\$804.80

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				UNIT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
55	632	Power Cable, 2 Conductor, No. 6 AWG, Type XLP-USE	330	L.F.	\$3.00	\$990.00	\$3.20	\$1,056.00	\$1.97	\$650.10
56	632	Combination Signal Support, Type TC -12.30, Design 5 Pole with Design 1 Arm and Design 12 Arm, (With Light Pole Extension), As Per Plan	1	EACH	\$9,500.00	\$9,500.00	\$11,460.00	\$11,460.00	\$10,745.00	\$10,745.00
57	632	Signal Support, Type TC-81.21, Design 1, (With Light Pole Extension), As Per Plan	2	EACH	\$6,500.00	\$13,000.00	\$4,520.00	\$9,040.00	\$4,153.50	\$8,307.00
58	632	Signal Support, Type TC-81.21, Design 2, (With Light Pole Extension), As Per Plan	1	EACH	\$6,500.00	\$6,500.00	\$4,900.00	\$4,900.00	\$4,428.50	\$4,428.50
59	632	Signal Support, Type TC-81.21, Design 3, (With Light Pole Extension), As Per Plan	2	EACH	\$6,500.00	\$13,000.00	\$5,365.00	\$10,730.00	\$5,017.00	\$10,034.00
60	632	Pedestal, 8' Transformer Base	11	EACH	\$425.00	\$4,675.00	\$990.00	\$10,890.00	\$502.00	\$5,522.00
61	632	Removal of Traffic Signal Installation, As Per Plan	2	EACH	\$2,100.00	\$4,200.00	\$750.00	\$1,500.00	\$2,900.00	\$5,800.00
62	632	Signalization, Misc.: Video Detection System, As Per Plan	12	EACH	\$5,200.00	\$62,400.00	\$4,580.00	\$54,960.00	\$4,627.50	\$55,530.00
63	633	Testing and Certification of Malfunction Management Unit	5	EACH	\$100.00	\$500.00	\$130.00	\$650.00	\$70.25	\$351.25
64	633	Controller Unit Type ASC3-2100, with Cabinet, Type TS2, As Per Plan	3	EACH	\$10,000.00	\$30,000.00	\$11,175.00	\$33,525.00	\$10,020.00	\$30,060.00
65	633	Cabinet Foundation, As Per Plan	3	EACH	\$1,200.00	\$3,600.00	\$2,130.00	\$6,390.00	\$862.00	\$2,586.00
66	633	Controller Work Pad	3	EACH	\$250.00	\$750.00	\$1.00	\$3.00	\$250.00	\$750.00
67	633	Controller Misc.: Preemption Priority Control	3	EACH	\$3,600.00	\$10,800.00	\$5,365.00	\$16,095.00	\$5,485.00	\$16,455.00
68	633	Controller Misc.: Fiber Optic Ethernet Transceiver, As Per Plan	3	EACH	\$2,700.00	\$8,100.00	\$1,970.00	\$5,910.00	\$2,364.00	\$7,092.00
69	633	Uninterruptible Power Service (UPS), 1000 Watt, APP	3	EACH	\$4,500.00	\$13,500.00	\$6,090.00	\$18,270.00	\$6,366.50	\$19,099.50
70	633	Signalization Misc. Equipment: APP	1	Allowance	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00
<b>Items purchased for SR8 Service Roads to be installed by COA:</b>										
71	632	Signalization, Misc., RuggedCom RS900G Ethernet Switch	13	EACH	\$2,360.00	\$30,680.00	\$1,325.00	\$17,225.00	\$2,265.50	\$29,451.50
72	632	Signalization, Misc., Autoscope SoloPro II MVP	5	EACH	\$4,165.00	\$20,825.00	\$3,600.00	\$18,000.00	\$3,960.00	\$19,800.00
73	632	Signalization, Misc., Autoscope ACIP-4E Interface Panel	3	EACH	\$1,300.00	\$3,900.00	\$2,785.00	\$8,355.00	\$3,202.75	\$9,608.25
74	632	Signalization, Misc., Axis Q7404 Video Server	13	EACH	\$1,295.00	\$16,835.00	\$1,395.00	\$18,135.00	\$1,554.00	\$20,202.00
75	632	Signalization, Misc., Digi TS1H Serial Server	13	EACH	\$572.00	\$7,436.00	\$440.00	\$5,720.00	\$558.00	\$7,254.00

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76	632	Signalization, Misc., Sonem 2207S Phase Selector, or RightO'Way Phase Selector, with Interface Panel and Load Switches	13	EACH	\$3,900.00	\$50,700.00	\$1,510.00	\$19,630.00	\$1,812.00	\$23,556.00
77	632	Signalization, Misc., Preempt Detector	43	EACH	\$475.00	\$20,425.00	\$400.00	\$17,200.00	\$360.00	\$15,480.00
78	632	Signalization, Misc., Confirmation Light, Blue	43	EACH	\$159.00	\$6,837.00	\$157.00	\$6,751.00	\$198.00	\$8,514.00
79	633	Controller Item, Misc., ASC/2S Controller Upgrade to Ethernet and NTCIP	13	EACH	\$750.00	\$9,750.00	\$535.00	\$6,955.00	\$642.00	\$8,346.00
80	633	Controller Item, Misc., Controller Assembly, 8-Phase Complete with ASC3-2100 Controller, Reno MMU16GE Monitor, 12 Load Switches, Flasher, Flasher Relays in a Base-Mounted "P44" Cabinet	1	EACH	\$10,500.00	\$10,500.00	\$9,200.00	\$9,200.00	\$7,920.00	\$7,920.00
81	633	Controller Item, Misc., Fiber Termination Panel with 12 "SC" Couplers	13	EACH	\$157.00	\$2,041.00	\$110.00	\$1,430.00	\$198.00	\$2,574.00
82	633	Controller Item, Misc., 6-Outlet Power Strip	13	EACH	\$19.00	\$247.00	\$40.00	\$520.00	\$31.20	\$405.60
83	633	Controller Item, Misc., 4-Fiber Patch Cords, Single Mode with "SC" Connectors	13	EACH	\$40.00	\$520.00	\$95.00	\$1,235.00	\$68.40	\$889.20
84	633	3-section Backplate with hardware kit, to match Econolite signal head, aluminum louvered with retroreflective border per ODOT CMS 732.22	68	EACH	\$85.00	\$5,780.00	\$85.00	\$5,780.00	\$392.80	\$26,710.40
85	633	4-section Backplate with hardware kit, to match Econolite signal head, aluminum louvered with retroreflective border per ODOT CMS 732.22	5	EACH	\$85.00	\$425.00	\$145.00	\$725.00	\$482.75	\$2,413.75
86	633	5-section Backplate with hardware kit, to match Econolite signal head, ABS split, aluminum louvered with retroreflective border per ODOT CMS 732.22	10	EACH	\$85.00	\$850.00	\$175.00	\$1,750.00	\$551.25	\$5,512.50
<b>MAINTENANCE OF TRAFFIC</b>										
87	613	Uniformed Law Enforcement Officer with Patrol Car	80	Hours	\$32.50	\$2,600.00	\$32.50	\$2,600.00	\$32.50	\$2,600.00
88	613	Uniformed Law Enforcement Officer	80	Hours	\$27.50	\$2,200.00	\$27.50	\$2,200.00	\$27.50	\$2,200.00
89	614	Maintaining Traffic	1	L.S.	\$5,000.00	\$5,000.00	\$2,065.00	\$2,065.00	\$10,400.00	\$10,400.00
<b>MISC.</b>										
90	103.05	Contract Performance Bond	1	L.S.	\$10,000.00	\$10,000.00	\$10,012.15	\$10,012.15	\$7,800.00	\$7,800.00
91	618	Computer Equipment	1	Allowance	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00
92	619	Field Office	1	L.S.	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$8,400.00	\$8,400.00

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							PRICE	AMOUNT	PRICE	AMOUNT
93	623	Construction Layout Stakes	1	L.S.	\$1,500.00	\$1,500.00	\$100.00	\$100.00	\$2,850.00	\$2,850.00
94	624	Mobilization	1	L.S.	\$10,000.00	\$10,000.00	\$16,500.00	\$16,500.00	\$10,400.00	\$10,400.00
<b>ALTERNATE #1-7</b>										
1	632	Interconnect Misc.: Termination Panel, Controller Cabinet	6	EACH	\$300.00	\$1,800.00	\$425.00	\$2,550.00	\$198.00	\$1,188.00
2	632	Interconnect Misc.: Splice Enclosure (Aerial or	6	EACH	\$260.00	\$1,560.00	\$685.00	\$4,110.00	\$204.00	\$1,224.00
3	632	Signalization Misc.: Video Detection System Autoscope, As	12	EACH	\$6,000.00	\$72,000.00	\$4,580.00	\$54,960.00	\$4,660.00	\$55,920.00
4	633	Controller Item, Misc.: Preemption Priority Control, Sonem	3	EACH	\$7,000.00	\$21,000.00	\$5,365.00	\$16,095.00	\$3,630.00	\$10,890.00
5	633	Uninterruptible Power Service (UPS), 1000 Watt, APP	3	EACH	\$4,500.00	\$13,500.00	\$6,090.00	\$18,270.00	\$6,366.50	\$19,099.50
6	632	Signalization Misc.: Video Detection System Flir, As Per	12	EACH	\$6,000.00	\$72,000.00	\$4,380.00	\$52,560.00	\$4,679.77	\$56,157.24
7	633	Controller Item, Misc.: Preemption Priority Control, Right-O-	3	EACH	\$7,000.00	\$21,000.00	\$5,665.00	\$16,995.00	\$5,760.00	\$17,280.00
TOTAL CONSTRUCTION COSTS						\$975,449.00		\$946,400.65		\$1,038,318.61
+/- ENGINEER'S ESTIMATE								-3.0%		6.45%
<b>ALTERNATE #1-7</b>										
TOTAL CONSTRUCTION COSTS						\$202,860.00		\$165,540.00		\$161,758.74
+/- ENGINEER'S ESTIMATE								-18.4%		-20.26%

\* Ref #41 Total Item Cost is incorrect, Unofficial Const. Cost Incorrect