

Bid Tabulation 11-0403 Traffic Signal Maintenance

Bid Opening Date: 03/30/2011 3:00 pm

**GROUP I
SCHEDULE OF UNIT PRICES**

					United Sign & Signal Tavares, FL	Florida Industrial Electric Altamonte Springs, FL	Control Specialists Winter Park, FL	Traffic Control Devices Altamonte Springs, FL
			Oper.	Units	Unit Price	Unit Price	Unit Price	Unit Price
1	101-1	Mobilization – 5% of the total amount for each work order with a minimum of \$250.00. (See page 3, item #4)						
2	Lake	MOT above FDOT Design Standards (See page 3, item #4)	F/I	PI	\$1,094.00	\$8,331.29	\$250.00	\$325.00
3	102-111	Adjust Existing Signal, Head, Maint. Of Traffic	F/I	AS	\$140.00	\$392.04	\$175.00	\$223.00
4	400-2-15	Miscellaneous Concrete	F/I	CY	\$591.00	\$1,269.55	\$145.00	\$340.00
5	522-1	Concrete Sidewalk, 4"	F/I	SY	\$80.94	\$258.96	\$62.00	\$48.00
6	522-2	Concrete Sidewalk, 6"	F/I	SY	\$105.40	\$258.96	\$72.00	\$59.00
7	575-1-1	Sodding, Bahia	F/I	SY	\$8.91	\$11.46	\$20.00	\$5.10
8	580-327-1	Relocation of Plants and Trees	RL	EA	\$621.00	\$184.06	\$57.00	\$97.00
9								
10	604-3	Timing Implementation	I	PI	\$146.00	\$339.24	\$120.00	\$142.00
11	620-1-1	Grounding Electrodes	F/I	LF	\$5.30	\$11.08	\$8.75	\$6.95
12	630-1-11	Conduit, Above Ground	F/I	LF	\$13.70	\$30.13	\$12.75	\$18.50
13	630-1-12	Conduit Underground	F/I	LF	\$3.49	\$8.80	\$7.00	\$4.80
14	630-1-13	Conduit, Under Pavement	F/I	LF	\$36.80	\$21.00	\$19.00	\$21.75
15	630-1-14	Conduit, Jacked	F/I	LF	\$13.89	\$17.99	\$12.50	\$14.50
16	630-1-15	Conduit, Bridge Mounted	F/I	LF	\$17.63	\$61.71	\$16.50	\$25.00
17	632-6-1	Signal Cable	F/I	PL	\$2,506.00	\$5.26	\$3.00	\$4.25
18	632-7-1	Signal Cable	F/I	LF	\$2.33	\$6,386.98	\$3,600.00	\$3,787.05
19	632-8-211	Fig. 8 Cable-Cl. Loop-6 Pair Min.	F/I	LF	\$3.28	\$4.13	\$3.75	\$3.50
20	632-8-212	Interconnect Cable-6 Pair	F/I	LF	\$2.17	\$2.83	\$2.50	\$2.25
21	634-4-112-150	Span Wire Assy. 150'-199'	F/I	PI	\$1,079.00	\$1,320.09	\$1,260.00	\$1,795.00
22	634-4-112-200	Span Wire Assy 200'-249'	F/I	PI	\$1,161.00	\$1,530.81	\$1,350.00	\$1,830.00
23	634-4-112-250	Span Wire Assy. 250'-299'	F/I	PI	\$1,326.00	\$1,730.44	\$1,400.00	\$1,855.00
24	634-4-112-300	Span Wire Assy. 300'-349'	F/I	PI	\$1,490.00	\$1,930.08	\$1,475.00	\$1,995.00
25	634-4-112-350	Span Wire Assy. 350'-399'	F/I	PI	\$1,736.00	\$2,129.71	\$1,525.00	\$2,325.00

26	634-4-112-400	Span Wire Assy. 400'-449'	F/I	PI	\$1,949.00	\$2,329.35	\$1,600.00	\$2,465.00
27	634-4-112-50	Span Wire Assy. 50'-149'	F/I	PI	\$833.00	\$1,120.46	\$1,200.00	\$1,715.00
28	634-4-112-500	Span Wire Assy. 449' +	F/I	PI	\$1,946.00	\$2,723.57	\$1,800.00	\$2,730.00
29	634-4-113-300	Box Span 300'-349'	F/I	PI	\$1,948.00	\$3,483.65	\$1,650.00	\$3,175.00
30	634-4-113-350	Box Span 350'-399'	F/I	PI	\$2,002.00	\$3,694.37	\$1,700.00	\$3,310.00
31	634-4-113-400	Box Span 400'-449'	F/I	PI	\$2,085.00	\$3,894.01	\$1,800.00	\$3,385.00
32	634-4-113-450	Box Span 450'-499'	F/I	PI	\$2,249.00	\$4,012.98	\$1,850.00	\$3,560.00
33	634-4-113-500	Box Span 500' +	F/I	PI	\$2,413.00	\$4,379.98	\$2,150.00	\$3,600.00
34	634-5-1	Fiberglass Insulator	F/I	LF	\$15.80	\$28.99	\$16.00	\$14.50
35	634-6-1-14	Messenger Wire 1/4"	F/I	LF	\$1.36	\$3.88	\$2.00	\$1.50
36	635-1-11	Pull & Junction Box	F/I	LF	\$279.00	\$384.39	\$525.00	\$300.00
37	635-1-12	Aerial Junction Box	F/I	EA	\$100.00	\$387.62	\$275.00	\$216.00
38	635-1-14	Pullbox-Non-Traffic Bearing	F/I	EA	\$247.00	\$384.39	\$290.00	\$570.00
39	635-1-15	Fiber Optic Junction Box	F/I	EA	\$1,130.00	\$2,011.02	\$1,690.00	\$1,292.00
40	639-1-11	Electrical Power Service	F/I	AS	\$827.00	\$1,197.66	\$610.00	\$970.00
41	639-1-12	Electrical Power Service, overhead	F/I	AS	\$1,051.00	\$1,418.86	\$650.00	\$970.00
42	639-1-22	Elect. Power Service, underground.	F/I	AS	\$913.00	\$1,294.76	\$725.00	\$795.00
43	639-2-1	Electrical Service Wire	F/I	LF	\$1.75	\$3.39	\$1.75	\$3.70
44	641-1	Strain pole guying (concrete)	F/I	EA	\$299.00	\$630.76	\$650.00	\$558.00
45	641-11	Concrete Strain Pole, Type II Pedestal Pole 12'	F/I	EA	\$601.00	\$731.81	\$750.00	\$765.00
46	641-12	Concrete Strain Pole Type II Service Pole 36'	F/I	EA	\$1,438.00	\$1,720.62	\$4,000.00	\$1,380.00
47	641-13-31	31' Class IV Conc. Pole	F/I	EA	\$3,078.00	\$3,891.83	\$4,600.00	\$1,594.50
48	641-14-38	38' Class V Concrete Pole	F/I	EA	\$3,870.00	\$5,274.33	\$5,000.00	\$2,361.75
49	641-14-40	40' Class V Concrete Pole	F/I	EA	\$4,302.00	\$5,298.87	\$5,000.00	\$2,383.00
50	641-14-41	41' Class V Concrete Pole	F/I	EA	\$4,451.00	\$5,476.45	\$5,100.00	\$2,535.00
51	641-14-42	42' Class V Concrete Pole	F/I	EA	\$4,336.00	\$5,476.45	\$5,100.00	\$2,545.00
52	641-14-44	44' Class V Concrete Pole	F/I	EA	\$4,480.00	\$5,511.10	\$5,300.00	\$2,565.00
53	641-15-40	40' Class VI Concrete Pole	F/I	EA	\$4,818.00	\$5,992.02	\$5,400.00	\$3,707.50
54	641-15-41	41' Class VI Concrete Pole	F/I	EA	\$4,896.00	\$6,085.86	\$5,400.00	\$3,787.00
55	641-15-42	42' Class VI Concrete Pole	F/I	EA	\$4,843.00	\$6,085.86	\$5,400.00	\$3,818.00
56	641-15-43	43' Class VI Concrete Pole	F/I	EA	\$4,847.00	\$6,191.25	\$5,500.00	\$3,846.00
57	641-15-44	44' Class VI Concrete Pole	F/I	EA	\$4,991.00	\$6,191.25	\$5,600.00	\$3,876.00
58	641-15-45	45' Class VI Concrete Pole	F/I	EA	\$5,012.00	\$6,223.02	\$5,600.00	\$3,898.00
59	641-15-46	46' Class VI Concrete Pole	F/I	EA	\$5,018.00	\$6,223.02	\$5,600.00	\$3,904.00
60	641-15-47	47' Class VI Concrete Pole	F/I	EA	\$5,049.00	\$6,280.76	\$5,650.00	\$3,936.00
61	641-15-48	48' Class VI Concrete Pole	F/I	EA	\$5,367.00	\$6,208.76	\$5,700.00	\$3,954.00

62	641-15-49	49' Class VI Concrete Pole	F/I	EA	\$5,387.00	\$6,305.31	\$6,000.00	\$3,975.00
63	641-16-44	44' Class VII Concrete Pole	F/I	EA	\$5,492.00	\$6,868.52	\$6,000.00	\$4,365.00
64	641-16-46	46' Class VII Concrete Pole	F/I	EA	\$5,650.00	\$7,056.20	\$6,250.00	\$4,528.00
65	641-16-48	48' Class VII Concrete Pole	F/I	EA	\$5,994.00	\$7,129.83	\$6,300.00	\$4,592.00
66	641-16-50	50' Class VII Concrete Pole	F/I	EA	\$6,123.00	\$7,196.24	\$6,400.00	\$4,649.00
67	641-16-55	55' Class VII Concrete Pole	F/I	EA	\$6,448.00	\$7,496.53	\$6,700.00	\$4,906.00
68	647-11-26	Mast Arm Comb. Std Single	F/I	EA	\$8,177.00	\$10,019.16	\$10,675.00	\$8,020.00
69	647-11-32	Mast Arm Comb. Std Single	F/I	EA	\$8,177.00	\$10,019.16	\$10,675.00	\$8,020.00
70	647-11-40	Mast Arm Comb. Std Single	F/I	EA	\$10,544.00	\$12,923.51	\$13,010.00	\$10,315.00
71	647-11-45	Mast Arm Comb. Std Single	F/I	EA	\$10,617.00	\$12,923.51	\$13,010.00	\$10,315.00
72	647-11-50	Mast Arm Comb. Std Single	F/I	EA	\$13,496.00	\$16,353.74	\$15,775.00	\$13,202.00
73	647-11-55	Mast Arm Comb. Std Single	F/I	EA	\$13,496.00	\$16,480.95	\$15,775.00	\$13,202.00
74	647-11-60	Mast Arm Comb. Std Single	F/I	EA	\$13,496.00	\$16,480.95	\$15,775.00	\$13,202.00
75	647-13-100	Mast Arm Comb. Std Double	F/I	EA	\$21,479.00	\$26,142.71	\$23,300.00	\$20,745.00
76	647-13-45	Mast Arm Comb. Std Double	F/I	EA	\$12,143.00	\$14,723.63	\$14,150.00	\$11,690.00
77	647-13-60	Mast Arm Comb. Std Double	F/I	EA	\$12,143.00	\$14,723.63	\$14,150.00	\$11,690.00
78	647-13-70	Mast Arm Comb. Std Double	F/I	EA	\$11,703.00	\$14,808.44	\$14,150.00	\$11,690.00
79	647-13-80	Mast Arm Comb. Std Double	F/I	EA	\$19,128.00	\$14,893.25	\$21,350.00	\$18,892.00
80	647-15-6	Add for Luminaire Attachment	F/I	EA	\$2,022.00	\$4,370.55	\$1,975.00	\$2,435.00
81	647-A	Mathcadd Design for Mast-arms per assembly	F/I	EA	\$824.00	\$3,057.02	\$850.00	\$1,100.00
82	647-B	Foundation Design for Mast-arms	F/I	EA	\$461.00	\$891.47	\$550.00	\$775.00
83	647-C	Geotech. Testing for Mast-arm Foundations	F/I	PI	\$1,989.00	\$2,840.46	\$1,700.00	\$3,320.00
84	648-11-60	Mast Arm Comb. Std Single	F/I	EA	\$13,390.00	\$16,441.97	\$15,775.00	\$13,202.00
85	648-15-35	Mast Arm steel single arm w/luminaire	F/I	EA	\$9,593.00	\$13,032.70	\$12,025.00	\$9,766.00
86	648-15-45	Mast Arm steel single arm w/luminaire	F/I	EA	\$12,447.00	\$16,517.41	\$14,800.00	\$12,534.00
87	648-15-50	Mast Arm steel single arm w/luminaire	F/I	EA	\$14,910.00	\$19,452.45	\$17,175.00	\$14,923.00
88	648-15-55	Mast Arm steel single arm w/luminaire	F/I	EA	\$14,910.00	\$19,579.67	\$17,175.00	\$14,923.00
89	648-15-60	Mast Arm steel single arm w/luminaire	F/I	EA	\$14,910.00	\$19,579.67	\$17,175.00	\$14,923.00
90	648-15-65	Mast Arm steel single arm w/luminaire	F/I	EA	\$17,706.00	\$22,995.09	\$19,875.00	\$17,635.00
91	648-15-70	Mast Arm steel single arm w/luminaire	F/I	EA	\$17,706.00	\$22,995.09	\$19,875.00	\$17,759.00
92	648-15-75	Mast Arm steel single arm w/luminaire	F/I	EA	\$16,767.00	\$22,003.44	\$18,975.00	\$16,849.00
93	648-15-80	Mast Arm steel single arm w/luminaire	F/I	EA	\$16,767.00	\$22,003.44	\$18,975.00	\$16,849.00
94	648-17-100	Mast Arm steel double (55' + 45') arm w/luminaire	F/I	EA	\$23,206.00	\$29,448.02	\$24,775.00	\$22,917.00
95	648-17-105	Mast Arm steel double (60' = 45") arm w/luminaire	F/I	EA	\$23,206.00	\$29,448.02	\$24,775.00	\$22,917.00

96	648-17-110	Mast Arm steel double (60' = 50') arm w/luminaire	F/I	EA	\$23,514.00	\$29,814.72	\$25,075.00	\$23,215.00
97	648-17-75	Mast Arm steel double (45' = 30') arm w/luminaire	F/I	EA	\$16,208.00	\$21,158.14	\$18,150.00	\$16,271.00
98	648-17-90	Mast Arm steel double (45' = 45') arm w/luminaire	F/I	EA	\$21,360.00	\$27,296.74	\$23,150.00	\$21,269.00
99	648-1A	48" concr. Foundation for concr. Strain poles per ft. of depth	F/I	LF	\$64.00	\$512.87	\$350.00	\$308.00
100	648-1B	48" concr. Foundation for mast arms, per ft. of depth	F/I	LF	\$548.00	\$574.63	\$490.00	\$650.00
101	648-1C	60" concr. Foundation for mast arms, per ft. of depth	F/I	LF	\$609.00	\$853.27	\$690.00	\$855.00
102	648-1D	Refurbish existing mast arm per assembly	F/I	EA	\$3,285.00	\$7,896.97	\$2,500.00	\$1,750.00
103	659-101	Signal Back Plates 3-Section	F/I	AS	\$81.00	\$153.12	\$150.00	\$116.00
104	659-104	Signal Lamps 140W max F/I	F/I	EA	\$43.00	\$205.05	\$42.00	\$8.95
105	659-106	Tunnel Visor	F/I	EA	\$20.00	\$12.05	\$50.00	\$50.00
106	659-107	Aluminum Pedestal	F/I	EA	\$814.00	\$1,133.92	\$825.00	\$711.00
107	659-108	Steel Pedestal	F/I	EA	\$1,309.00	\$1,254.28	\$1,350.00	\$1,150.00
108	659-109	Concrete Pedestal Type II	F/I	EA	\$601.00	\$793.94	\$990.00	\$765.00
109	659-110	Louvers	F/I	EA	\$88.00	\$157.45	\$125.00	\$90.00
110	659-111	Back Plates 1 Section	F/I	AS	\$73.00	\$116.03	\$130.00	\$79.00
111	659-112	Mounting Brackets 2 way	F/I	EA	\$120.00	\$184.43	\$195.00	\$140.00
112	659-116	Back Plates 5 Section Cluster	F/I	EA	\$103.00	\$232.07	\$160.00	\$153.00
114	659-204	Signal Lamps 140W max	F/O	EA	\$15.00	\$183.85	\$6.50	\$3.65
115	660-1-101	Loop detector inductive Type 1	F/I	EA	\$139.00	\$234.95	\$115.00	\$110.00
116	660-1-102	Loop detector inductive Type 2	F/I	EA	\$170.00	\$239.29	\$135.00	\$134.00
117	660-1-103	Loop detector inductive Type 3	F/I	EA	\$139.00	\$234.95	\$180.00	\$100.00
118	660-1-104	Loop detector inductive Type 4	F/I	EA	\$170.00	\$239.29	\$240.00	\$134.00
119	660-1-105	Loop detector inductive Type 5	F/I	EA	\$247.00	\$344.68	\$190.00	\$234.00
120	660-1-106	Loop detector inductive Type 6	F/I	EA	\$247.00	\$409.64	\$190.00	\$234.00
121	660-1-109	Loop detector inductive Type 9	F/I	EA	\$321.00	\$445.73	\$360.00	\$320.00
122	660-1-110	Loop detector inductive Type 10	F/I	EA	\$321.00	\$445.73	\$360.00	\$320.00
123	660-2-101	Loop assembly Type A	F/I	AS	\$807.00	\$907.08	\$725.00	\$784.00
124	660-2-102	Loop assembly Type B	F/I	AS	\$684.00	\$848.51	\$500.00	\$618.00
125	660-2-106	Loop assembly Type F	F/I	AS	\$838.00	\$893.46	\$850.00	\$665.00
126	660-4-4	AWG #14 Loop lead-in cable	F/I	LF	\$3.02	\$23.28	\$2.75	\$3.40

127	660-4-4A	6 pair overhead beldon	F/I	LF	\$3.28	\$19.59	\$6.00	\$3.00
128	663-74-14	Vehicle Detector Assembly-Microwave	F/I	AS	\$1,073.00	\$2,353.83	\$1,200.00	\$1,007.00
129	665-11	Pedestrian Detector	F/I	AS	\$83.00	\$140.58	\$220.00	\$129.00
130	665-12	Ped. Detector w/post	F/I	AS	\$193.00	\$384.85	\$490.00	\$583.00
131	665-13	Ped. Detector (Detector Station w/Sign Only)	F/I	AS	\$131.00	\$140.58	\$220.00	\$129.00
132	670-110-A	Cabinet, Base Only	F/I	EA	\$1,015.00	\$1,420.79	\$900.00	\$820.00
133	670-110-B	Install Cabinet Only	I/O	EA	\$456.00	\$508.87	\$450.00	\$553.00
134	671-2-11	Naztec with Ethernet Enabled TS2 Type 2 (Controller Only)	F/I	EA	\$3,721.00	\$4,598.15	\$3,695.00	\$3,912.00
135	670-5-111	8 Phase Controller Ass'y – NAZTEC with Ethernet	F/I	AS	\$21,179.00	\$25,389.74	\$19,995.00	\$21,400.00
136	670-4-1A	Flashing Beacon Controller Assembly for School Zone - Solar Powered	F/I	AS	\$8,027.00	\$8,279.07	\$6,550.00	\$7,155.00
137	670-4-1B	Flashing Beacon Controller Assembly for School Zone - AC Powered	F/I	AS	\$4,173.00	\$5,471.08	\$5,900.00	\$4,750.00
138	670-4-1C	Flashing Beacon Controller Assembly, Pole mount for Warning Flasher Solar Powered for 24 hour operation	F/I	AS	\$8,027.00	\$4,521.13	\$7,350.00	\$6,100.00
139	685-306	UPS	I/O	AS	\$280.00	\$339.24	\$250.00	\$310.00
140	676-140	Cabinet Modification 4 hr	F/I	HR	\$177.00	\$483.61	\$300.00	\$175.00
141	690-10	Remove Signal Head Assembly	R	EA	\$55.00	\$64.09	\$20.00	\$26.00
142	690-100	Remove misc. Signal Equipment	R	PI	\$293.00	\$678.48	\$200.00	\$196.00
143	690-20	Remove Pedestrian Head Assembly	R	EA	\$55.00	\$31.80	\$20.00	\$26.00
144	690-30	Remove Concrete Strain Pole	R	EA	\$1,301.00	\$2,041.84	\$1,800.00	\$1,622.00
145	690-31	Remove Signal Pedestal	R	EA	\$110.00	\$95.41	\$200.00	\$112.00
146	690-40	Remove Master Arm-Assembly	R	EA	\$1,284.00	\$3,516.41	\$1,800.00	\$826.00
147	690-50	Remove Controller Assembly	R	EA	\$512.00	\$202.23	\$150.00	\$222.00
148	690-60	Remove Vehicle Detector Assembly	R	EA	\$18.00	\$74.70	\$20.00	\$212.00
149	690-70	Remove Pedestrian Detector Assembly	R	EA	\$18.00	\$31.80	\$20.00	\$9.00
150	690-80	Remove Span-Wire Assembly	R	EA	\$220.00	\$213.97	\$150.00	\$209.00
151	690-90	Remove Conduit & Cabling	R	PI	\$220.00	\$254.43	\$150.00	\$209.00
152	690-91	Remove Interconnect Cable	R	LF	\$1.00	\$0.42	\$0.50	\$0.80
153	700-46-25	Relocate Existing Overhead Sign	RL	AS	\$401.00	\$4,211.64	\$200.00	\$1,251.00
154	700-82	Install Overhead Sign	F/I	AS	\$292.00	\$6,306.17	\$500.00	\$556.00
155	699-1-1	Internally Illuminated Sign 24" x 48"	F/I	EA	\$3,421.00	\$3,456.33	\$2,400.00	\$3,662.00
156	699-1-1	Internally Illuminated Sign 24" x 72"	F/I	EA	\$3,769.00	\$4,140.64	\$2,890.00	\$4,012.00

157	699-1-1	Internally Illuminated Sign 24" x 96"	F/I	EA	\$4,413.00	\$4,549.20	\$3,225.00	\$4,350.00
158	700-89-2A	Fiber Optic Blank-out Sign 30" x 30"	F/I	AS	\$3,635.00	\$4,506.71	\$3,700.00	\$3,685.00
159	700-89-2B	Fiber Optic Blank-out Sign 24" x 24"	F/I	AS	\$3,029.00	\$3,784.86	\$2,875.00	\$3,485.00
160								
161	700-90-14	Overhead Sch. Zone Assem. (sign & flasing beacon complete) Span wire. One span.	F/I	AS	\$18,070.00	\$11,381.25	\$19,990.00	\$25,120.00
162	706-3	RPM's	F/I	EA	\$12.00	\$14.44	\$8.50	\$11.50
163	711-4	Directional arrows	F/I	EA	\$103.00	\$144.37	\$170.00	\$94.00
164								
165	711-7	Remove Thermoplastic	R	LF	\$5.00	\$7.22	\$3.95	\$8.25
166	711-35	6" White Thermo Stripe	F/I	LF	\$3.00	\$7.22	\$2.25	\$2.75
167	711-36	6" Yellow Thermo Stripe	F/I	LF	\$3.00	\$7.22	\$2.25	\$2.75
168	663-70A	Vehicle detector ass'y (Optical) 2-way	F/I	EA	\$4,334.00	\$5,131.73	\$4,950.00	\$4,850.00
169	663-70B	Vehicle detector ass'y (Optical) 3-way	F/I	EA	\$6,464.00	\$7,628.45	\$6,340.00	\$7,035.00
170	663-70C	Vehicle detector ass'y (Optical) 4-way	F/I	EA	\$7,392.00	\$8,681.56	\$6,920.00	\$7,945.00
171	660-70D	Vehicle detector ass'y (Optical) relocate	RL	EA	\$458.00	\$2,941.49	\$490.00	\$1,750.00

VIDEO DETECTION

172	663-74-11	Video vehicle detection system	F/I	EA	\$18,045.00	\$29,047.40	\$4,550.00	\$4,240.00
173	663-74	Video detection system monitor only	F	EA	\$200.00	\$331.14	\$180.00	\$365.00

FIBER OPTIC AND ITS COMPONENTS

174	E685-159	Sys. Aux. (Fiber-optic enclosure type 1)	F/I	EA	\$154.00	\$534.34	\$150.00	\$134.00
175	E685-160	Sys. Aux. (Fiber-optic enclosure type 2)	F/I	EA	\$200.00	\$831.38	\$190.00	\$175.00
176	E685-161	Sys. Aux. (Fiber-optic enclosure type 3)	F/I	EA	\$291.00	\$902.04	\$280.00	\$253.00
177	E685-162	Sys. Aux. (Fiber-optic connector panel)	F/I	EA	\$61.00	\$139.79	\$60.00	\$53.00
178	E685-163	Sys. Aux. (Fiber-optic enclosure rack mount	F/I	EA	\$425.00	\$464.31	\$400.00	\$370.00
179	E685-164	Sys. Aux. (Fiber-optic adapter/coupler ST MM)	F/I	EA	\$24.00	\$29.70	\$24.00	\$21.00
180	E685-165	Sys. Aux. (Fiber-optic adapter/coupler ST SM)	F/I	EA	\$24.00	\$31.69	\$24.00	\$21.00
181	E685-166	Sys. Aux. (Fiber-optic jumper MM ST to ST)	F/I	EA	\$24.00	\$32.84	\$24.00	\$21.00
182	E685-167	Sys. Aux. (Fiber-optic jumper SM ST to ST)	F/I	EA	\$36.00	\$41.30	\$35.00	\$31.00
183	E685-168	Sys. Aux. (Fiber-optic connector ST MM)	F/I	EA	\$67.00	\$59.91	\$65.00	\$58.00
184	E685-169	Sys. Aux. (Fiber-optic connector ST SM)	F/I	EA	\$67.00	\$61.85	\$65.00	\$58.00
185	E685-170	Sys. Aux. (Fiber-optic splice fusion greater than 100)	F/I	EA	\$55.00	\$38.01	\$50.00	\$48.00

186	E685-171	Sys. Aux. (Fiber-optic splice fusion less than 100)	F/I	EA	\$61.00	\$40.24	\$55.00	\$53.00
187	E685-172	Sys. Aux. (Buffer tube fan-out)	F/I	EA	\$55.00	\$97.10	\$50.00	\$48.00
188	E685-173	Sys. Aux. (Splice tray)	F/I	EA	\$30.00	\$62.74	\$30.00	\$26.00
189	E685-174	Sys. Aux. (Buried fiber-optic splice enclosure)	F/I	EA	\$576.00	\$809.50	\$535.00	\$502.00
190	E685-175	Sys. Aux. (Fiber-optic cable storage device)	F/I	EA	\$103.00	\$256.86	\$95.00	\$90.00
191	E685-101	Camera Assembly	F/I	AS	\$4,082.00	\$7,352.52	\$6,975.00	\$6,800.00
192	E686-102A	Monitor 9"	F/I	EA	\$334.00	\$1,180.21	\$700.00	\$660.00
193	E686-102B	Monitor 27"	F/I	EA	\$430.00	\$1,685.50	\$850.00	\$818.00
194	E686-102C	Monitor 32"	F/I	EA	\$552.00	\$2,335.17	\$925.00	\$900.00
195	E686-202A	Monitor 9"	F/O	EA	\$334.00	\$980.81	\$575.00	\$560.00
196	E686-202B	Monitor 27"	F/O	EA	\$430.00	\$1,486.10	\$675.00	\$635.00
197	E686-202C	Monitor 32"	F/O	EA	\$552.00	\$2,063.58	\$750.00	\$710.00
198	633-113-2	Cable fiber-optic 26-50 fibers aerial (24sm/12mm)	F/I	LF	\$4.00	\$6.38	\$3.60	\$3.45
199	633-123-1	Cable fiber-optic 1-25 fibers underground (12sm/12mm)	F/I	LF	\$3.00	\$5.00	\$2.85	\$2.65
200	633-123-2	Cable fiber-optic 26-50 fibers underground (24sm/12mm)	F/I	LF	\$4.00	\$6.86	\$3.60	\$3.40

SPAN WIRE MOUNTING HARDWARE FOR SIGNAL HEAD INSTALLATION

201	111SWMH	Signal head 12" standard 1S-1W - Span wire	I	AS	\$470.00	\$752.45	\$450.00	\$525.00
202	112SWMH	Signal head 12" standard 1S-2W - Span wire	I	AS	\$749.00	\$1,212.23	\$675.00	\$803.00
203	113SWMH	Signal head 12" standard 1S-3W - Span wire	I	AS	\$968.00	\$1,627.26	\$900.00	\$1,043.00
204	114SWMH	Signal head 12" standard 1S-4W - Span wire	I	AS	\$1,168.00	\$1,985.99	\$1,025.00	\$1,135.00
205	131SWMH	Signal head 12" standard 3S-1W - Span Wire	I	AS	\$728.00	\$1,088.90	\$750.00	\$845.00
206	132SWMH	Signal head 12" standard 3S-2W	I	AS	\$1,301.00	\$1,885.15	\$1,275.00	\$1,342.00
207	133SWMH	Signal head 12" standard 3S-3W	I	AS	\$1,810.00	\$2,636.63	\$1,775.00	\$1,824.00
208	311SWMH	Signal head 12" standard 1S-1W	O	AS	\$110.00	\$202.40	\$60.00	\$106.00
209	312SWMH	Signal head 12" standard 1S-2W	O	AS	\$184.00	\$351.79	\$60.00	\$133.00
210	313SWMH	Signal head 12" standard 1S-3W	O	AS	\$221.00	\$501.18	\$60.00	\$160.00
211	314SWMH	Signal head 12" standard 1S-4W	O	AS	\$294.00	\$650.57	\$60.00	\$186.00
212	331SWMH	Signal head 12" standard 3S-1W	O	AS	\$111.00	\$244.80	\$60.00	\$159.00
213	332SWMH	Signal head 12" standard 3S-2W	O	AS	\$222.00	\$436.60	\$60.00	\$212.00
214	333SWMH	Signal head 12" standard 3S-3W	O	AS	\$296.00	\$661.65	\$60.00	\$212.00
215	650-2-131SWMH	Signal head 12" standard Opt. Programmed 3S-1W	F/I	AS	\$5,046.00	\$3,136.07	\$2,150.00	\$2,942.00

216	650-2-331SWMH	Signal head 12" standard Opt. Programmed 3S-1W	I/O	AS	\$257.00	\$255.89	\$60.00	\$212.00
217	131SWMH	Signal head 12" standard Light Weight, 3S-1W	I	AS	\$716.00	\$1,090.35	\$725.00	\$845.00
218	132SWMH	Signal head 12" standard, Light Weight 3S-2W	I	AS	\$1,278.00	\$1,888.03	\$1,225.00	\$1,342.00
219	133SWMH	Signal head 12" standard, Light Weight 3S-3W	I	AS	\$1,775.00	\$2,601.98	\$1,725.00	\$1,824.00
220	331SWMH	Signal head 12" standard, Light Weight 3S-1W	O	AS	\$111.00	\$255.89	\$60.00	\$159.00
221	332SWMH	Signal head 12" standard, Light Weight, 3S-2W	O	AS	\$222.00	\$458.77	\$60.00	\$212.00
222	333SWMH	Signal head 12" standard, Light Weight 3S-3W	O	AS	\$296.00	\$661.65	\$60.00	\$212.00
223	151SWMH	Signal head 12" light weight 5S-1W	I	AS	\$1,089.00	\$1,565.40	\$1,050.00	\$1,310.00
224	152SWMH	Signal head 12" light weight 5S-2W	I	AS	\$2,107.00	\$3,464.24	\$1,650.00	\$2,162.00
225	351SWMH	Signal head 12" light weight 5S-1W	O	AS	\$184.00	\$309.38	\$75.00	\$212.00
226	352SWMH	Signal head 12" light weight 5S-2W	O	AS	\$296.00	\$576.84	\$75.00	\$318.00
227	151SWMH	Signal head 12" standard 5S-1W	I	AS	\$1,128.00	\$1,594.27	\$1,050.00	\$1,309.00
228	152SWMH	Signal head 12" standard 5S-2W	I	AS	\$2,111.00	\$3,464.24	\$1,750.00	\$2,162.00
229	351SWMH	Signal head 12" standard 5S-1W	O	AS	\$184.00	\$309.38	\$75.00	\$212.00
230	352SWMH	Signal head 12" standard 5S-2W	O	AS	\$296.00	\$576.84	\$75.00	\$318.00
265	653-191	16" Ped. Signal. LED, International Symbol 1-way, post top	F/I	AS	\$492.00	\$663.82	\$875.00	\$601.00
266	653-192	16" Ped. Signal. LED, International Symbol 2-way, post top	F/I	AS	\$1,015.00	\$1,342.89	\$995.00	\$1,240.00
267	653-391	16" Ped. Signal LED, International Symbol 1-way, post top	I/O	AS	\$92.00	\$159.02	\$50.00	\$159.00
268	653-392	16" Ped. Signal LED, International Symbol 2-way, post top	I/O	AS	\$184.00	\$201.42	\$50.00	\$318.00
269	653-192	16" Ped. Signal. LED, International Symbol 2-way, Side of pole mount	F/I	AS	\$1,068.00	\$1,342.89	\$1,040.00	\$1,305.00
270	653-391	16" Ped. Signal LED, International Symbol 1-way, side of pole mount	I/O	AS	\$93.00	\$159.02	\$75.00	\$159.00
271	653-392	16" Ped. Signal LED, International Symbol 2-way, side of pole mount	I/O	AS	\$184.00	\$201.42	\$75.00	\$318.00

MAST ARM MOUNTING HARDWARE FOR SIGNAL HEAD INSTALLATION

272	111MAMH	Signal head 12" standard 1S-1W - Span wire	I	AS	\$381.00	\$609.52	\$350.00	\$420.00
273	112MAMH	Signal head 12" standard 1S-2W - Span wire	I	AS	\$713.00	\$1,090.96	\$650.00	\$609.00
274	113MAMH	Signal head 12" standard 1S-3W - Span wire	I	AS	\$1,021.00	\$1,944.87	\$950.00	\$938.00
275	114MAMH	Signal head 12" standard 1S-4W - Span wire	I	AS	\$1,363.00	\$2,383.00	\$1,100.00	\$1,030.00
276	131MAMH	Signal head 12" standard 3S-1W - Span Wire	I	AS	\$645.00	\$948.86	\$700.00	\$740.00
277	132MAMH	Signal head 12" standard 3S-2W	I	AS	\$1,258.00	\$1,776.87	\$1,100.00	\$1,268.00

278	133MAMH	Signal head 12" standard 3S-3W	I	AS	\$1,864.00	\$2,827.20	N/A	N/A
279	311MAMH	Signal head 12" standard 1S-1W	O	AS	\$111.00	\$202.40	\$60.00	\$106.00
280	312MAMH	Signal head 12" standard 1S-2W	O	AS	\$184.00	\$351.79	\$60.00	\$135.00
281	313MAMH	Signal head 12" standard 1S-3W	O	AS	\$221.00	\$501.18	\$60.00	\$159.00
282	314MAMH	Signal head 12" standard 1S-4W	O	AS	\$295.00	\$650.57	\$60.00	\$186.00
283	331MAMH	Signal head 12" standard 3S-1W	O	AS	\$111.00	\$244.80	\$100.00	\$159.00
284	332MAMH	Signal head 12" standard 3S-2W	O	AS	\$222.00	\$436.60	\$75.00	\$212.00
285	333MAMH	Signal head 12" standard 3S-3W	O	AS	\$296.00	\$661.65	N/A	N/A
286	650-2-131MAMH	Signal head 12" standard Opt. Programmed 3S-1W	F/I	AS	\$5,046.00	\$3,136.07	\$2,300.00	\$2,838.00
287	650-2-331MAMH	Signal head 12" standard Opt. Programmed 3S-1W	I/O	AS	\$258.00	\$255.89	\$75.00	\$212.00
288	131MAMH	Signal head 12" standard Light Weight, 3S-1W	I	AS	\$616.00	\$951.75	\$700.00	\$741.00
289	132MAMH	Signal head 12" standard, Light Weight 3S-2W	I	AS	\$1,201.00	\$1,782.64	\$1,100.00	\$1,269.00
290	133MAMH	Signal head 12" standard, Light Weight 3S-3W	I	AS	\$1,748.00	\$2,827.20	N/A	N/A
291	331MAMH	Signal head 12" standard, Light Weight 3S-1W	O	AS	\$111.00	\$255.89	\$100.00	\$159.00
292	332MAMH	Signal head 12" standard, Light Weight, 3S-2W	O	AS	\$222.00	\$458.77	\$75.00	\$212.00
293	333MAMH	Signal head 12" standard, Light Weight 3S-3W	O	AS	\$296.00	\$661.65	N/A	N/A
294	151MAMH	Signal head 12" light weight 5S-1W	I	AS	\$1,054.00	\$1,467.23	\$1,050.00	\$1,164.00
295	152MAMH	Signal head 12" light weight 5S-2W	I	AS	\$1,699.00	\$3,464.24	N/A	\$2,017.00
296	351MAMH	Signal head 12" light weight 5S-1W	O	AS	\$184.00	\$309.38	\$100.00	\$212.00
297	352MAMH	Signal head 12" light weight 5S-2W	O	AS	\$296.00	\$576.84	N/A	\$318.00
298	151MAMH	Signal head 12" standard 5S-1W	I	AS	\$1,099.00	\$1,467.23	\$1,100.00	\$1,164.00
299	152MAMH	Signal head 12" standard 5S-2W	I	AS	\$2,026.00	\$3,464.24	N/A	\$2,017.00
300	351MAMH	Signal head 12" standard 5S-1W	O	AS	\$184.00	\$309.38	\$100.00	\$212.00
301	352MAMH	Signal head 12" standard 5S-2W	O	AS	\$296.00	\$576.84	N/A	\$318.00
302	653-181MAMH	16" Ped. Signal. LED, International Symbol 1-way	I	AS	\$534.00	\$672.48	\$650.00	\$667.00
303	653-182MAMH	16" Ped. Signal. LED, International Symbol 2-way	I	AS	\$1,068.00	\$1,238.95	\$1,215.00	\$1,306.00
304	653-381MAMH	16" Ped. Signal LED, International Symbol 1-way	O	AS	\$92.00	\$159.02	\$125.00	\$159.00
305	653-382MAMH	16" Ped. Signal LED, International Symbol 2-way	O	AS	\$184.00	\$201.42	\$125.00	\$318.00

**GROUP II
MAINTENANCE**

ITEM NO.	DESCRIPTION		United Sign & Signal Tavares, FL	Florida Industrial Electric Altamonte Springs, FL	Control Specialists Winter Park, FL	Traffic Control Devices Altamonte Springs, FL
M-2-R	LEVEL II TECHNICIAN, W/BUCKET TRUCK REGULAR TIME	PER/HR	\$74.00	\$180.35	\$110.00	\$125.00
M-2-O	LEVEL II TECHNICIAN, W/BUCKET TRUCK OVERTIME	PER/HR	\$91.00	\$214.47	\$130.00	\$152.00
M-1-R	LEVEL I TECHNICIAN, W/BUCKET TRUCK REGULAR TIME	PER/HR	\$71.00	\$157.61	\$110.00	\$108.00
M-1-O	LEVEL I TECHNICIAN, W/BUCKET TRUCK OVERTIME	PER/HR	\$86.00	\$180.35	\$130.00	\$127.00
M-H-R	HELPER REGULAR TIME	PER/HR	\$33.00	\$39.32	\$50.00	\$20.50
M-H-O	HELPER OVERTIME	PER/HR	\$45.00	\$54.48	\$65.00	\$30.60

REGULAR BUSINESS HOURS, MONDAY THROUGH FRIDAY, 7AM – 5PM

T – 1	TECHNICIAN, LEVEL I	PER/HR	\$40.00	\$54.48	\$70.00	\$37.50
T – 2	TECHNICIAN, LEVEL II	PER/HR	\$43.00	\$77.23	\$85.00	\$54.50
T – 3	TECHNICIAN, LEVEL III	PER/HR	\$64.00	\$99.97	\$85.00	\$76.50

AFTER HOURS 5PM – 7AM

T – 1	TECHNICIAN, LEVEL I	PER/HR	\$56.00	\$77.23	\$85.00	\$56.25
T – 2	TECHNICIAN, LEVEL II	PER/HR	\$61.00	\$111.35	\$100.00	\$81.75
T – 3	TECHNICIAN, LEVEL III	PER/HR	\$92.00	\$145.46	\$100.00	\$114.75

Southwest Signals - Addendum 3 with updated price sheet not submitted

Professional Highway Maintenance - Addendum 3 with updated price sheet not submitted