2

SUBJECT: TRAFFIC SIGNAL UNIT PRICE CONSTRUCTION - COUNTYWIDE - RE-BID

BID #: ESC-0006-23 **OPEN DATE:** 11/30/2022

COMPETITIVE SEALED PROPOSAL EVALUATION COMMITTEE

KIND AND BASIS OF CONTRACT: EVALUATED BID – ONE (1) YEAR FROM DATE OF CONTRACT EXECUTION WITH THREE (3) ONE (1) YEAR RENEWAL OPTIONS

AGENCY: TRAFFIC ENGINEERING DIVISION

BASIS OF AWARD: THREE (3) HIGHEST SCORES BASED ON EVALUATION CRITERIA

NUMBER OF BIDS INVITED: 6 **NUMBER RECEIVED:** 3 **OTHER:** 0

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:
The evaluation committee has completed their review of the three (3) responses received for the subject RFP.

Recommend approval of award to all three (3) responding firms. The firms are listed alphabetically below. The rankings of first, second, and third designate the order of qualification of these firms to perform the required services. Work Orders will be issued based on workload and satisfactory completion and acceptance of work completed.

Firm	Score	Rank
James D. Hinson Electrical Contracting Company, Inc.	74.00	2
Miller Electric Company	67.67	3
Traffic Control Devices, LLC	89.34	1

Estimated initial award amount not-to-exceed $2,000,000.00 for each firm ($6,000,000.00 total). Period of service will be one (1) year from the date of contract execution with three (3) one (1) year renewal options.

Funding for this award will be encumbered from account 32124.153101.565051.001022.00000000.00000.0000000 and other accounts as needed, executed by formal contract through the Office of General Counsel, and processed via Purchase Orders.

ATTACHMENTS: Recommendation Memo, Responsiveness Review, Evaluation Matrix, Bid Tabulation, Sections 1.1, 1.3 and 2.6

ANALYST: _____
DAVID KLAGES

RESPECTFULLY SUBMITTED: _____
DUSTIN FREEMAN, CHIEF
PROCUREMENT DIVISION

CONCURRENCE BY: CHRISTOPHER W. LEDEW, P.E., CHIEF, TRAFFIC ENGINEERING DIVISION

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF GGAC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING _____ MEMBERS DISAPPROVING _____ DATE: _____

_____ _____ OTHER: _____

_____ _____

_____ _____

_____ _____

_____ _____

ACTION OF AWARDING AUTHORITY DATE _____

APPROVED _____ DISAPPROVED _____

OTHER _____

SIGNATURE OF AUTHENTICATION _____

ONE CITY. ONE JACKSONVILLE.

City of Jacksonville, Florida

Lenny Curry, Mayor

Department of Public Works
Traffic Engineering Division
1007 Superior Street
Jacksonville, FL 32254
(904) 255-7533
www.coj.net

December 19, 2022

TO: **Dustin L. Freeman**
Chief of Procurement Division

THRU: **Steven D. Long, Jr., P.E.**
Director Department of Public Works

FROM: **Christopher W. LeDew, P.E.**
Chief of Traffic Engineering

SUBJECT: **Traffic Signal Unit Price Construction – Countywide - Rebid**

Bid No.:	**ESC-0006-23**
Bid Open Date:	**November 30, 2022**
Award Amount:	**$6,000,000.00**
Internal Services Account No:	**00111.158001**

The Department of Public Works has evaluated the three (3) bids received on the referenced project per the matrix provided. Below is a summary of their information:

Traffic Control Devices, LLC	Score – 89.34	Rank - #1
James D Hinson Electrical Contracting Company, Inc.	Score – 74.00	Rank - #2
Miller Electric Company	Score – 67.67	Rank - #3

Per the bid documents, three (3) contractors may be awarded. Traffic Engineering therefore recommends awarding Traffic Control Devices, LLC, as the Primary Contractor. James D Hinson Electrical Contracting Company, Inc., is recommended as the Secondary Contractor. Miller Electric Company is recommended as the Tertiary Contractor. Each will be Awarded $2,000,000 for one year from date of executed contract.

Funding for this project will be encumbered by the Roadway Sign Stripe and Signal Project (32124-153101-565051-001022-00000000-00000-0000000). Other Projects will be used as work arises.

Attachments

RFP RESPONSIVENESS REVIEW

Title: Traffic Signal Unit Price Construction - Countywide - Re-Bid **RFP No.:** EESC-0006-23 **Close Date:** November 30, 2022 **Analyst:** David Klages **No.: Invited:** (6) **Received:** (3) **Other:** (0) **Announcer:** Pearl Mitchell **Recorded By:** Melissa Pierce	**James D. Hinson Electrical Contracting Company**	**Miller Electric Company**	**Traffic Control Devices**
Title Page & Cover Letter	Yes	Yes	Yes
Bid Bond	Yes	Yes	Yes
Form 1 - Price Sheet	Yes	Yes	Yes
Form 2 - Conflict of Interest	Yes	Yes	Yes
Form 3 - Insurance Agent Acknowledgement	Yes	Yes	Yes
Business Licenses	Yes	Yes	Yes
FDOT Certification	Yes	Yes	Yes
Addendum 1	Yes	Yes	Yes

EVALUATION SCORING MATRIX

Title: Traffic Signal Unit Price Construction - Countywide - Re-Bid
RFP No.: ESC-0006-23
Close Date: November 30, 2022
Analyst: David Klages
No.: Invited: (6) **Received:** (2) **Other:** (1)
Announcer: Pearl Mitchell
Recorded By: Melissa Pierce

Suppliers/Reviewers	Competence	Financial Responsibility	Professional Accomp-lishments	Current Workload	Volume of Current and Prior Work Performed	Cost	Total	Rank
James D. Hinson Electrical Contracting Company, Inc.								
Carlton Copeland	18.00	4.00	10.00	1.00	10.00	40.00	83.00	
Chris LeDew	15.00	5.00	5.00	0.00	0.00	40.00	65.00	2
Average	**16.50**	**4.50**	**7.50**	**0.50**	**5.00**	**40.00**	**74.00**	
Miller Electric Company								
Carlton Copeland	19.00	1.00	10.00	10.00	5.00	18.67	63.67	
Chris LeDew	20.00	5.00	10.00	8.00	10.00	18.67	71.67	3
Average	**19.50**	**3.00**	**10.00**	**9.00**	**7.50**	**18.67**	**67.67**	
Traffic Control Devices, LLC								
Carlton Copeland	20.00	5.00	10.00	7.00	15.00	34.34	91.34	
Chris LeDew	20.00	5.00	8.00	10.00	10.00	34.34	87.34	1
Average	**20.00**	**5.00**	**9.00**	**8.50**	**12.50**	**34.34**	**89.34**	

BID TABULATION
SUMMARY

Title: Traffic Signal Unit Price Construction - Countywide - Re-Bid **RFP No.:** EESC-0006-23 **Close Date:** November 30, 2022 **Analyst:** David Klages **No.: Invited:** (6) **Received:** (3) **Other:** (0) **Announcer:** Pearl Mitchell **Recorded By:** Melissa Pierce	**James D. Hinson Electrical Contracting Company**	**Miller Electric Company**	**Traffic Control Devices**
Total Bid (Items 1 - 291):	$4,619,636.65	$9,895,434.00	$5,381,071.55
Title Page & Cover Letter	Yes	Yes	Yes
Bid Bond	Yes	Yes	Yes
Form 1 - Price Sheet	Yes	Yes	Yes
Form 2 - Conflict of Interest	Yes	Yes	Yes
Form 3 - Insurance Agent Acknowledgement	Yes	Yes	Yes
Business Licenses	Yes	Yes	Yes
FDOT Certification	Yes	Yes	Yes
Addendum 1	Yes	Yes	Yes

ESC-0006-23 Traffic Signal Unit Price Construction - Countywide - Re-Bid
Bid Tabulation

James D. Hinson Electrical Contracting Company, Inc.						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
1	0339-1	MISCELLANEOUS ASPHALT PAVEMENT	TN	1	$562.50	$562.50
2	0519-78	BOLLARDS	EA	2	$1,562.50	$3,125.00
3	0520-1-7	CONCRETE CURB & GUTTER, TYPE E	LF	240	$93.75	$22,500.00
4	0520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	240	$87.50	$21,000.00
5	0520-3	VALLEY GUTTER- CONCRETE	LF	50	$93.75	$4,687.50
6	0520-5-41	TRAFFIC SEPARATOR CONCRETE- TYPE IV, 4' WIDE	LF	240	$125.00	$30,000.00
7	0520-5-42	TRAFFIC SEPARATOR CONCRETE- TYPE IV, 6' WIDE	LF	240	$150.00	$36,000.00
8	0520-70	CONCRETE TRAFFIC SEPARATOR, SPECIAL- VARIABLE WIDTH	SY	100	$181.25	$18,125.00
9	0522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	75	$106.25	$7,968.75
10	0522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	50	$118.75	$5,937.50
11	0527-2	DETECTABLE WARNINGS	SF	96	$75.00	$7,200.00
12	0536-1-1	GUARDRAIL -ROADWAY	LF	125	$162.50	$20,312.50
13	0570-1-2	PERFORMANCE TURF, SOD	SY	500	$16.09	$8,045.00
14	0630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH (unknown # of conduit; based on project at time work order is issued)	LF	1,000	$15.82	$15,820.00
15	0630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE (unknown # of conduit; based on project at time work order is issued)	LF	1,000	$27.40	$27,400.00
16	0630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND (unknown # of conduit; based on project at time work order is issued)	LF	25	$32.48	$812.00
17	0630-2-15	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT (unknown # of conduit; based on project at time work order is issued)	LF	25	$38.99	$974.75
18	0632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	5	$9,785.22	$48,926.10
19	0632-7-2	SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF	500	$7.44	$3,720.00
20	0632-7-4	SIGNAL CABLE, ADJUST	PI	1	$3,000.00	$3,000.00
21	0632-7-6	SIGNAL CABLE, REMOVE- INTERSECTION	PI	1	$950.63	$950.63
22	0632-7-7	SIGNAL CABLE, REMOVE- OUTSIDE OF INTERSECTION	LF	100	$1.95	$195.00
23	0633-1-111	FIBER OPTIC CABLE, F&I, OVERHEAD,2-12 FIBERS	LF	1,000	$3.44	$3,440.00
24	0633-1-112	FIBER OPTIC CABLE, F&I, OVERHEAD,13-48 FIBERS	LF	500	$3.56	$1,780.00
25	0633-1-113	FIBER OPTIC CABLE, F&I, OVERHEAD,49-96 FIBERS	LF	500	$3.75	$1,875.00
26	0633-1-114	FIBER OPTIC CABLE, F&I, OVERHEAD,97-144 FIBERS	LF	500	$4.44	$2,220.00
27	0633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	LF	500	$3.32	$1,660.00
28	0633-1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS	LF	500	$3.63	$1,815.00
29	0633-1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND,49-96 FIBERS	LF	500	$3.94	$1,970.00

ESC-0006-23 Traffic Signal Unit Price Construction - Countywide - Re-Bid
Bid Tabulation

James D. Hinson Electrical Contracting Company, Inc.						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
30	0633-1-124	FIBER OPTIC CABLE, F&I, UNDERGROUND, 97 - 144 FIBERS	LF	500	$4.32	$2,160.00
31	0633-1-1620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF	500	$1.25	$625.00
32	0633-1-410	FIBER OPTIC CABLE, RELOCATE, OVERHEAD	LF	100	$3.13	$313.00
33	0633-1-420	FIBER OPTIC CABLE, RELOCATE, UNDERGROUND	LF	100	$2.82	$282.00
34	0633-1-610	FIBER OPTIC CABLE, REMOVE, OVERHEAD	LF	500	$1.25	$625.00
35	0633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	100	$48.13	$4,813.00
36	0633-2-32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA	100	$81.25	$8,125.00
37	0633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	5	$956.25	$4,781.25
38	0633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	5	$62.50	$312.50
39	0633-3-13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA	5	$68.75	$343.75
40	0633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	5	$2,368.75	$11,843.75
41	0633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	200	$5.32	$1,064.00
42	0633-8-3	MULTI-CONDUCTOR COMMUNICATION CABLE, INSTALL	LF	500	$1.86	$930.00
43	0633-8-4	MULTI-CONDUCTOR COMMUNICATION CABLE, RELOCATE	LF	250	$2.50	$625.00
44	0633-8-6	MULTI-CONDUCTOR COMMUNICATION CABLE, REMOVE	LF	250	$0.63	$157.50
45	0634-4-141	SPAN WIRE ASSEMBLY, F&I, SINGLE POINT, PERPENDICULAR	LF	250	$22.50	$5,625.00
46	0634-4-142	SPAN WIRE ASSEMBLY, F&I, SINGLE POINT, DIAGONAL	LF	250	$22.50	$5,625.00
47	0634-4-151	SPAN WIRE ASSEMBLY, F&I, TWO POINT, PERPENDICULAR	LF	500	$28.00	$14,000.00
48	0634-4-152	SPAN WIRE ASSEMBLY, F&I, TWO POINT, DIAGONAL	LF	500	$28.00	$14,000.00
49	0634-4-153	SPAN WIRE ASSEMBLY, F&I, TWO POINT, BOX	LF	500	$35.00	$17,500.00
50	0634-4-154	SPAN WIRE ASSEMBLY, F&I, TWO POINT, OTHER TYPE	LF	500	$35.00	$17,500.00
51	0634-4-600	SPAN WIRE ASSEMBLY, REMOVE- POLES REMAIN	PI	1	$1,239.39	$1,239.39
52	0634-5-1	FIBERGLASS INSULATOR, FURNISH & INSTALL	LF	10	$50.00	$500.00
53	0634-6-1	MESSENGER WIRE, FURNISH & INSTALL- REPLACE EXISTING	LF	500	$20.00	$10,000.00
54	0635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE, INCLUDES GRAVEL, ADJ CONDUIT AS NEEDED, DUCT SEAL	EA	50	$999.05	$49,952.50
55	0635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE, INCLUDES GRAVEL, ADJ CONDUIT AS NEEDED, DUCT SEAL	EA	25	$2,215.63	$55,390.75
56	0635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	2	$4,686.92	$9,373.84
57	0635-2-31	PULL & SPLICE BOX, INSTALL, 13" X 24" COVER SIZE INCLUDES GRAVEL, ADJ COND AS NEEDED, DUCT SEAL	EA	50	$899.05	$44,952.50
58	0635-2-32	PULL & SPLICE BOX,INSTALL, 24" X 36" COVER SIZE INCLUDES GRAVEL, ADJ COND AS NEEDED DUCT SEAL	EA	25	$2,015.63	$50,390.75

ESC-0006-23 Traffic Signal Unit Price Construction - Countywide - Re-Bid
Bid Tabulation

James D. Hinson Electrical Contracting Company, Inc.						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
59	0635-2-33	PULL & SPLICE BOX,INSTALL, 30" X 60" COVER SIZE INCLUDES GRAVEL, ADJ COND AS NEEDED DUCT SEAL	EA	10	$4,186.92	$41,869.20
60	0635-3-11	JUNCTION BOX, FURNISH & INSTALL, AERIAL	EA	2	$1,565.37	$3,130.74
61	0638-1420	ELECTRICAL POWER SERVICE, RELOCATE, UNDERGROUND	AS	10	$1,868.75	$18,687.50
62	0639-1-113	ELECTRICAL POWER SERVICE, F&I, OVERHEAD, METER NOT REQUIRED	AS	10	$1,743.75	$17,437.50
63	0639-1-122	ELECTRICAL POWER SERVICE, F & I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	10	$1,868.75	$18,687.50
64	0639-1-123	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER NOT REQUIRED	AS	10	$1,743.75	$17,437.50
65	0639-1-410	ELECTRICAL POWER SERVICE, REL OVERHEAD	AS	1	$2,986.00	$2,986.00
66	0639-1-420	ELECTRICAL POWER SERVICE, RELOCATE, UNDERGROUND	AS	1	$6,982.00	$6,982.00
67	0639 -1-610	ELECTRICAL POWER SERVICE, REMOVE OVERHEAD	AS	1	$956.00	$956.00
68	0639 -1-620	ELECTRICAL POWER SERVICE, REMOVE UNDERGROUND	AS	1	$922.00	$922.00
69	0639-2-1	ELECTRICAL SERVICE WIRE, F & I	LF	1,000	$14.70	$14,700.00
70	0639-2-4	ELECTRIC SERVICES WIRE RELOCATE	LF	1,000	$6.19	$6,190.00
71	0639-2-6	ELECTRIC SERVICES WIRE REMOVE	LF	1,000	$1.00	$1,000.00
72	0639-3-11	ELECTRICAL SERVICE DISCONNECT, F & I, POLE MOUNT	EA	5	$1,879.23	$9,396.15
73	0641-1-1	GUYING EXISTING CONCRETE STRAIN POLE	EA	5	$2,196.00	$10,980.00
74	0641-2-11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II PEDESTAL	EA	10	$1,437.50	$14,375.00
75	0641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE (max height 6')	EA	10	$1,437.50	$14,375.00
76	0641-2-13	PRESTRESSED CONCRETE POLE, F&I, TYPE P-III	EA	5	$3,986.52	$19,932.60
77	0641-2-14	PRESTRESSED CONCRETE POLE, F&I, TYPE P-IV	EA	1	$11,562.50	$11,562.50
78	0641-2-15	PRESTRESSED CONCRETE POLE, F&I, TYPE P-V	EA	1	$12,312.50	$12,312.50
79	0641-2-16	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VI	EA	1	$16,222.50	$16,222.50
80	0641-2-17	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VII	EA	1	$18,733.75	$18,733.75
81	0641-2-18	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VIII	EA	1	$19,983.75	$19,983.75
82	0641-2-30	PRESTRESSED CONCRETE POLE, INSTALL, COMPLETE POLE (36' TO 42')	EA	1	$11,875.00	$11,875.00
83	0641-2-31	PRESTRESSED CONCRETE POLE, INSTALL, PEDESTAL	EA	1	$1,187.50	$1,187.50
84	0641-2-60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- PEDESTAL/SERVICE POLE	EA	1	$3,062.50	$3,062.50
85	0641-2-70	PRESTRESSED CONCRETE POLE, SHALLOW POLE REMOVAL- POLE 30' AND GREATER	EA	1	$2,812.50	$2,812.50
86	0643-1-1	GUYING EXISTING WOODEN STRAIN POLE	EA	2	$1,868.75	$3,737.50
87	0643-130	FURNISH & INSTALL WOOD STRAIN SIGNAL POLE (30') INCLUDING GUYWIRES & ANCHORS (Per FDOT Spcifications)	EA	2	$3,562.50	$7,125.00
88	0643-135	FURNISH & INSTALL WOOD STRAIN SIGNAL POLE (35') INCLUDING GUYWIRES & ANCHORS (Per FDOT Specifications)	EA	2	$3,687.50	$7,375.00

ESC-0006-23 Traffic Signal Unit Price Construction - Countywide - Re-Bid
Bid Tabulation

James D. Hinson Electrical Contracting Company, Inc.						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
89	0643-330	INSTALL WOOD STRAIN SIGNAL POLE (30') INCLUDING GUYWIRES & ANCHORS	EA	2	$2,812.50	$5,625.00
90	0643-335	INSTALL WOOD STRAIN SIGNAL POLE (35') INCLUDING GUYWIRES & ANCHORS	EA	2	$3,062.50	$6,125.00
91	0643-600	WOOD STRAIN POLE , REMOVE	EA	2	$562.50	$1,125.00
92	0646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL, WITH FOUNDATION	EA	5	$1,743.75	$8,718.75
93	0646-1-12	ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTRIAN DETECTOR POST	EA	2	$1,618.75	$3,237.50
94	0646-2-112	ALUMINUM POLE, F&I, 12' , WITH FOUNDATION	EA	2	$2,312.50	$4,625.00
95	0646-2-115	ALUMINUM POLE, F&I, 15', WITH FOUNDATION	EA	2	$2,437.50	$4,875.00
96	0649-1-63	STEEL STRAIN POLE, REMOVE, SHALLOW FOUNDATION REMOVAL, BOLT ON ATTACHMENT	EA	1	$4,062.50	$4,062.50
97	0649-21-1	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 30'	EA	1	$46,246.25	$46,246.25
98	0649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	1	$58,282.50	$58,282.50
99	0649-21-7	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 50'-30'	EA	1	$92,450.33	$92,450.33
100	0649-21-8	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 50'-40'	EA	1	$85,672.44	$85,672.44
101	0649-21-9	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 50'-50'	EA	1	$91,130.00	$91,130.00
102	0649-21-10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	1	$58,282.50	$58,282.50
103	0649-21-11	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 60'-30'	EA	1	$70,723.75	$70,723.75
104	0649-21-12	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 60'-40'	EA	1	$78,255.00	$78,255.00
105	0649-21-13	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 60'-50'	EA	1	$81,246.50	$81,246.50
106	0649-21-14	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 60'-60'	EA	1	$81,283.75	$81,283.75
107	0649-21-15	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70'	EA	1	$66,886.25	$66,886.25
108	0649-21-16	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 70'-30'	EA	1	$78,247.50	$78,247.50
109	0649-21-17	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 70'-40'	EA	1	$80,997.50	$80,997.50
110	0649-21-18	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 70'-50'	EA	1	$81,247.50	$81,247.50
111	0649-21-19	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 70'-60'	EA	1	$83,237.50	$83,237.50
112	0649-21-2	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 30'-30'	EA	1	$70,736.25	$70,736.25
113	0649-21-20	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 70'-70'	EA	1	$79,486.25	$79,486.25
114	0649-21-21	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 78'	EA	1	$70,290.00	$70,290.00
115	0649-21-22	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 78'-30'	EA	1	$74,777.50	$74,777.50
116	0649-21-23	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 78'-40'	EA	1	$79,105.00	$79,105.00
117	0649-21-24	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 78'-50'	EA	1	$110,910.00	$110,910.00
118	0649-21-25	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 78'-60'	EA	1	$97,350.00	$97,350.00
119	0649-21-26	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 78'-70'	EA	1	$102,246.25	$102,246.25
120	0649-21-27	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 78'-78'	EA	1	$107,788.75	$107,788.75
121	0649-21-3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA	1	$51,083.75	$51,083.75

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James D. Hinson Electrical Contracting Company, Inc.						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
122	0649-21-4	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 40'-30'	EA	1	$75,286.25	$75,286.25
123	0649-21-5	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 40'- 40'	EA	1	$78,286.25	$78,286.25
124	0649-23-1	STEEL MAST ARM ASSEMBLY, INSTALL/RELOCATE TO EXISTING FOUNDATION	EA	1	$6,950.00	$6,950.00
125	0649-23-2	STEEL MAST ARM ASSEMBLY, INSTALL/RELOCATE TO NEW/CONTRACTOR PROVIDED FOUNDATION	EA	1	$6,950.00	$6,950.00
126	0649-25-6	STEEL MAST ARM ASSEMBLY, REPLACE ARM ON EXISTING POLE, 50'	EA	1	$5,280.00	$5,280.00
127	0649-25-10	STEEL MAST ARM ASSEMBLY, REPLACE ARM ON EXISTING POLE, 60'	EA	1	$5,960.00	$5,960.00
128	0649-26 -3	STEEL MAST ARM ASSEMBLY, REMOVE SHALLOW FOUNDAION-BOLT ON ATTACHEMENT	EA	1	$8,960.00	$8,960.00
129	0649-26 -5	STEEL MAST ARM ASSEMBLY, REMOVE DEEP FOUNDAION-BOLT ON ATTACHEMENT	EA	1	$16,853.00	$16,853.00
130	0649-26 -7	STEEL MAST ARM ASSEMBLY, REMOVE, REMOVE ARM AND ATTACHMENTS; POLE REMAINS	EA	1	$6,950.00	$6,950.00
131	0649-26-1	STEEL MAST ARM ASSEMBLY, REMOVE, POLE ONLY- ENTIRE FOUNDATION REMAINS	EA	1	$6,250.00	$6,250.00
132	0650-1-14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	EA	20	$1,248.75	$24,975.00
133	0650-1-11	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 1 SECTION, 1 WAY	EA	1	$1,062.50	$1,062.50
134	0650-1-12	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 1 SECTION, 2-4 WAY	EA	1	$2,062.50	$2,062.50
135	0650-1-13	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 2 SECTION, 1-2 WAYS	EA	1	$3,125.00	$3,125.00
136	0650-1-15	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 2-4 WAYS	EA	5	$5,000.00	$25,000.00
137	0650-1-16	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	EA	5	$1,868.75	$9,343.75
138	0650-1-18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	EA	1	$2,062.50	$2,062.50
139	0650-1-19	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION CLUSTER, 1 WAY	EA	5	$2,062.50	$10,312.50
140	0650-1-44	VEHICULAR TRAFFIC SIGNAL,FURNISH & INSTALL PROGRAMMABLE 3 SECTION, 1 WAY	AS	1	$5,937.50	$5,937.50
141	0650-1-46	VEHICULAR TRAFFIC SIGNAL,FURNISH & INSTALL PROGRAMMABLE 4 SECTION, 1 WAY	AS	1	$6,250.00	$6,250.00
142	0650-1-50	VEHICULAR TRAFFIC SIGNAL, INSTALL	AS	10	$493.75	$4,937.50
143	0650-1-51	VEHICULAR TRAFFIC SIGNAL, INSTALL ALUMINUM, 1 SECTION, 1 WAY	AS	1	$500.00	$500.00
144	0650-1-52	VEHICULAR TRAFFIC SIGNAL,INSTALL ALUMINUM, 1 SECTION, 2 WAY	AS	1	$656.25	$656.25
145	0650-1-54	VEHICULAR TRAFFIC SIGNAL, INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	20	$437.50	$8,750.00
146	0650-1-55	VEHICULAR TRAFFIC SIGNAL, INSTALL ALUMINUM, 3 SECTION, 2 WAYS	AS	1	$812.50	$812.50
147	0650-1-56	VEHICULAR TRAFFIC SIGNAL, INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	2	$1,062.50	$2,125.00
148	0650-1-58	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	1	$2,187.50	$2,187.50
149	0650-1-59	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION CLUSTER, 1 WAY	AS	1	$2,062.50	$2,062.50
150	0650-1-60	VEHICULAR TRAFFIC SIGNAL REMOVE	AS	2	$118.75	$237.50
151	0650-1-70	VEHICULAR TRAFFIC SIGNAL RELOCATE-INCLUDES REMOVAL AND RELOCATION	AS	2	$493.75	$987.50
152	0650-1-80	VEHICULAR TRAFFIC SIGNAL ADJUST/MODIFY EXISTING SIGNAL	AS	1	$493.75	$493.75
153	0650-2-102	VEHICULAR SIGNAL AUXILIARIES, REPAIR/REPLACE/RETROFIT-FURNISH & INSTALL, BACKPLATE-BLACK WITH REFLECTIVE BORDER	EA	10	$618.75	$6,187.50

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James D. Hinson Electrical Contracting Company, Inc.						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
154	0653-1-11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	10	$706.25	$7,062.50
155	0653-1-12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	10	$1,312.50	$13,125.00
156	0653-1-31	PEDESTRIAN SIGNAL, INSTALL LED COUNTDOWN, 1 WAY	AS	10	$368.75	$3,687.50
157	0653-1-32	PEDESTRIAN SIGNAL, INSTALL LED COUNTDOWN, 2 WAYS	AS	10	$747.50	$7,475.00
158	0653-1-40	PEDESTRIAN SIGNAL, RELOCATE	AS	2	$618.75	$1,237.50
159	0653-1-60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN	AS	2	$93.75	$187.50
160	0654-2-11	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- AC POWERED, COMPLETE ASSEMBLY- SINGLE DIRECTION	AS	2	$9,868.75	$19,737.50
161	0654-2-12	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- AC POWERED, COMPLETE ASSEMBLY- BACK TO BACK	AS	2	$11,206.25	$22,412.50
162	0654-2-17	MIDBLOCK CROSSWALK: RECTANGULAR RAPID FLASHING BEACON, FURNISH/INSTALL- AC, SIGN ASSY- SINGLE DIR ACCESSIBLE DETECTOR	AS	1	$23,755.96	$23,755.96
163	0654-2-18	MIDBLOCK CROSSWALK: REC RAPID FLASHING BEACON, FURNISH/INSTALL- AC, SIGN ASSEMBLY- BACK-BACK ACCESSIBLE DETECTOR	AS	1	$28,249.61	$28,249.61
164	0654-2-21	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR POWERED, COMPLETE ASSEMBLY- SINGLE DIRECTION	AS	2	$12,440.00	$24,880.00
165	0654-2-22	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR POWERED, COMPLETE ASSEMBLY- BACK TO BACK	AS	2	$14,331.25	$28,662.50
166	0654-2-27	MIDBLOCK CROSSWALK: REC RAPID FLASHING BEACON, FURNISH/INSTALL- SOLAR, SIGN ASSEMBLY- SINGLE DIR ACCESSIBLE DETECTOR	AS	1	$6,844.29	$6,844.29
167	0654-2-28	MIDBLOCK CROSSWALK: REC RAPID FLASHING BEACON, FURNISH/INSTALL- SOLAR, SIGN ASSEMBLY- BACK-BACK ACCESSIBLE DETECTOR	AS	1	$13,227.23	$13,227.23
168	0654-2-30	RECTANGULAR RAPID FLASHING BEACON, INSTALL COMPLETE ASSEMBLY	AS	2	$4,500.00	$9,000.00
169	0654-2-40	RECTANGULAR RAPID FLASHING BEACON, RELOCATE COMPLETE ASSEMBLY	AS	1	$6,500.00	$6,500.00
170	0654-2-50	MIDBLOCK CROSSWALK: RECTANGULAR RAPID FLASHING BEACON, ADJUST/MODIFY	AS	1	$5,500.00	$5,500.00
171	0654-2-60	MIDBLOCK CROSSWALK: RECTANGULAR RAPID FLASHING BEACON, REMOVE COMPLETE SIGN ASSEMBLY	AS	1	$1,612.17	$1,612.17
172	0654-2-500	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- MAST ARM MOUNTED COMPLETE ASSEMBLY- SINGLE DIRECTION	AS	1	$19,586.00	$19,586.00
173	0654-3-10	MIDBLOCK CROSSWALK: PEDESTRIAN HYBRID BEACON ASSEMBLY, FURNISH & INSTALL COMPLETE ASSEMBLY	AS	1	$3,896.00	$3,896.00
174	0654-3-40	MIDBLOCK CROSSWALK: PEDESTRIAN HYBRID BEACON ASSEMBLY, RELOCATE	AS	1	$2,765.00	$2,765.00
175	0654-3-60	MIDBLOCK CROSSWALK: PEDESTRIAN HYBRID BEACON ASSEMBLY, REMOVE	AS	1	$1,495.00	$1,495.00

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James D. Hinson Electrical Contracting Company, Inc.						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
176	0660-1-104	LOOP DETECTOR INDUCTIVE, TYPE 4, F&I	EA	2	$484.60	$969.20
177	0660-1-110	LOOP DETECTOR INDUCTIVE, TYPE 10, F&I	EA	2	$377.66	$755.32
178	0660-1-300	LOOP DETECTOR INDUCTIVE, INSTALL	EA	2	$150.00	$300.00
179	0660-2-102	LOOP ASSEMBLY, F&I, TYPE B	AS	20	$950.00	$19,000.00
180	0660-2-103	LOOP ASSEMBLY, F&I, TYPE C	AS	1	$1,000.00	$1,000.00
181	0660-2-106	LOOP ASSEMBLY, F&I, TYPE F	AS	20	$1,000.00	$20,000.00
182	0660-3-11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	EA	1	$7,896.00	$7,896.00
183	0660-3-12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	1	$9,942.00	$9,942.00
184	0660-3-31	VEHICLE DETECTION SYSTEM- MICROWAVE, INSTALL- FDOT FURNISHED CABINET EQUIPMENT	EA	2	$450.00	$900.00
185	0660-3-32	VEHICLE DETECTION SYSTEM- MICROWAVE, INSTALL- FDOT FURNISHED, ABOVE GROUND EQUIPMENT	EA	2	$1,423.00	$2,846.00
186	0660-3-60	VEHICLE DETECTION SYSTEM - MICROWAVE, REMOVE, COMPLETE SYSTEM	EA	1	$4,500.00	$4,500.00
187	0660-4-0	VEHICLE DETECTION SYSTEM- VIDEO, REMOVE	EA	1	$4,500.00	$4,500.00
188	0660-4-11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA	1	$15,796.00	$15,796.00
189	0660-4-12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	1	$6,438.00	$6,438.00
190	0660-4-42	VEHICLE DETECTION SYSTEM- VIDEO, RELOCATE ABOVE GROUND EQUIPMENT	EA	1	$1,250.00	$1,250.00
191	0660-6-121	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, CABINET EQUIPMENT	EA	2	$5,423.00	$10,846.00
192	0660-6-122	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	2	$12,278.00	$24,556.00
193	0660-6-600	VEHICLE DETECTION SYSTEM- AVI, REMOVE COMPLETE SYSTEM	EA	1	$457.00	$457.00
194	0663-1-120	SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, GPS, COMPLETE SYSTEM	EA	1	$8,963.00	$8,963.00
195	0663-1-400	SIGNAL PRIORITY & PREEMPTION SYSTEM, RELOCATE	EA	1	$2,200.00	$2,200.00
196	0663-1-600	SIGNAL PRIORITY & PREEMPTION SYSTEM, REMOVE	EA	1	$525.00	$525.00
197	0665-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	20	$296.00	$5,920.00
198	0665-1-30	PEDESTRIAN DETECTOR, INSTALL, COJ FURNISHED	EA	20	$225.00	$4,500.00
199	0665-1-60	PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN	EA	20	$95.00	$1,900.00
200	0670-4-1	INTERSECTION CONTROL BEACON CONTROLLER ASSEMBLY, FURNISH & INSTALL	AS	1	$8,953.00	$8,953.00
201	0670-5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, WITH FOUNDATION, NEMA	AS	2	$38,500.00	$77,000.00
202	0670-5-111	TRAFFIC CONTROLLER ASSEMBLY, F&I, WITH FOUNDATION, NEMA, 1 PREEMPTION	AS	1	$39,500.00	$39,500.00
203	0670-5-112	TRAFFIC CONTROLLER ASSEMBLY, F&I, WITH FOUDATION, NEMA, 2 PREEMPTION	AS	2	$39,995.00	$79,990.00
204	0670-5-310	TRAFFIC CONTROLLER ASSEMBLY, INSTALL WITHOUT FOUNDATION,NEMA	AS	1	$6,500.00	$6,500.00
205	0670-5-311	TRAFFIC CONTROLLER ASSEMBLY,INSTALL, NEMA, 1 PREEMPTION	AS	1	$7,000.00	$7,000.00
206	0670-5-320	TRAFFIC CONTROLLER ASSEMBLY, INSTALL WITHOUT FOUNDATION, MODEL 170	AS	1	$7,500.00	$7,500.00

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Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
207	0670-5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	2	$5,500.00	$11,000.00
208	0670-5-600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET & FOUNDATION	AS	2	$1,250.00	$2,500.00
209	0682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	EA	1	$8,547.00	$8,547.00
210	0682-1-133	ITS CCTV CAMERA, F&I, DOME ENCLOSURE - NON-PRESSURIZED, IP, HIGH DEFINITION	EA	1	$7,547.00	$7,547.00
211	0682-1-400	ITS CCTV CAMERA, RELOCATE	EA	1	$2,250.00	$2,250.00
212	0684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	20	$4,483.00	$89,660.00
213	0684-1-6	MANAGED FIELD ETHERNET SWITCH, REMOVE- CABINET TO REMAIN	EA	1	$295.00	$295.00
214	0684-2-1	DEVICE SERVER, FURNISH & INSTALL	EA	2	$1,950.00	$3,900.00
215	0684-2-3	DEVICE SERVER, INSTALL	EA	2	$850.00	$1,700.00
216	0684-6-11	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET ACCESS POINT	EA	2	$5,985.00	$11,970.00
217	0684-6-12	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET SUBSCRIBER UNIT	EA	2	$6,186.00	$12,372.00
218	0684-6-13	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL SERIAL DATA UNIT	EA	2	$6,756.00	$13,512.00
219	0684-6-30	WIRELESS COMMUNICATION DEVICE, INSTALL	EA	2	$3,150.00	$6,300.00
220	0684-6-40	WIRELESS COMMUNICATION DEVICE, RELOCATE	EA	2	$1,850.00	$3,700.00
221	0684-6-60	WIRELESS COMMUNICATION DEVICE, REMOVE	EA	2	$200.00	$400.00
222	0685-106	SYSTEM AUXILIARIES, F&I, UNINTERRUPTIBLE POWER SOURCE	EA	10	$6,950.00	$69,500.00
223	0700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	1	$558.00	$558.00
224	0700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	1	$1,841.00	$1,841.00
225	0700-1-13	SINGLE POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS	1	$2,136.00	$2,136.00
226	0700-1-14	SINGLE POST SIGN, F&I GROUND MOUNT, 31+ SF	AS	1	$2,835.00	$2,835.00
227	0700-1-40	SINGLE POST SIGN, INSTALL	AS	1	$295.00	$295.00
228	0700-1-50	SINGLE POST SIGN, RELOCATE	AS	1	$325.00	$325.00
229	0700-1-60	SINGLE POST SIGN, REMOVE	AS	1	$59.00	$59.00
230	0700-12-11	SIGN BEACON, F&I GROUND MOUNT- AC POWERED, ONE BEACON	AS	1	$9,988.63	$9,988.63
231	0700-12-12	SIGN BEACON, F&I GROUND MOUNT- AC POWERED, TWO BEACONS	AS	1	$6,344.26	$6,344.26
232	0700-12-21	SIGN BEACON, F&I GROUND MOUNT- SOLAR POWERED, ONE BEACON	AS	1	$7,290.90	$7,290.90
233	0700-12-22	SIGN BEACON, F&I GROUND MOUNT- SOLAR POWERED, TWO BEACONS	AS	1	$7,904.66	$7,904.66
234	0700-12-31	SIGN BEACON, F&I OVERHEAD MOUNT, ONE BEACON	AS	1	$2,960.51	$2,960.51
235	0700-12-32	SIGN BEACON, F&I OVERHEAD MOUNT, TWO BEACONS	AS	1	$3,986.00	$3,986.00
236	0700-12-50	SIGN BEACON, RELOCATE BEACON- SIGN TO REMAIN	AS	1	$1,295.00	$1,295.00
237	0700-12-60	SIGN BEACON, REMOVE BEACON- SIGN TO REMAIN	AS	1	$420.00	$420.00
238	0700-11-111	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- AC POWERED, ELECTRONIC WARNING SIGN, UP TO 12 SF	AS	1	$16,498.69	$16,498.69

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Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
239	0700-11-112	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- AC POWERED, ELECTRONIC WARNING SIGN, 12-20 SF	AS	1	$21,326.43	$21,326.43
240	0700-11-113	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- AC POWERED, ELECTRONIC WARNING SIGN, 21-30 SF	AS	1	$21,326.43	$21,326.43
241	0700-11-121	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- AC POWERED, ELECTRONIC REGULATORY SIGN, UP TO 12 SF	AS	1	$16,498.69	$16,498.69
242	0700-11-122	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- AC POWERED, ELECTRONIC REGULATORY SIGN, 12-20 SF	AS	1	$21,326.43	$21,326.43
243	0700-11-123	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- AC POWERED, ELECTRONIC REGULATORY SIGN, 21-30 SF	AS	1	$28,963.12	$28,963.12
244	0700-11-600	ELECTRONIC DISPLAY SIGN, REMOVE- GROUND MOUNT	AS	2	$1,800.00	$3,600.00
245	0700-3-201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	2	$845.00	$1,690.00
246	0700-3-202	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 12-20 SF	EA	2	$1,245.00	$2,490.00
247	0700-3-203	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 21-30 SF	EA	2	$1,813.00	$3,626.00
248	0700-3-401	SIGN PANEL, INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	2	$306.00	$612.00
249	0700-3-402	SIGN PANEL, INSTALL OVERHEAD MOUNT, 12-20 SF	EA	2	$456.00	$912.00
250	0700-3-403	SIGN PANEL, INSTALL OVERHEAD MOUNT, 21-30 SF	EA	2	$698.00	$1,396.00
251	0700-3-501	SIGN PANEL, RELOCATE, UP TO 12 SF	EA	2	$225.00	$450.00
252	0700-3-502	SIGN PANEL, RELOCATE, 12-20 SF	EA	2	$495.00	$990.00
253	0700-3-601	SIGN PANEL, REMOVE, UP TO 12 SF	EA	2	$95.00	$190.00
254	0700-3-602	SIGN PANEL, REMOVE, 12-20 SF	EA	2	$195.00	$390.00
255	0700-5-11	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL GROUND MOUNT, UP TO 12 SF	EA	1	$3,985.00	$3,985.00
256	0700-5-22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	2	$4,896.00	$9,792.00
257	0700-5-50	INTERNALLY ILLUMINATED SIGN, RELOCATE	EA	2	$2,150.00	$4,300.00
258	0700-5-60	INTERNALLY ILLUMINATED SIGN, REMOVE	EA	2	$595.00	$1,190.00
259	0715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	100	$1.95	$195.00
260	0715-1-13	LIGHTING CONDUCTORS, F&I, INSULATED, NO 4 TO NO 2	LF	100	$4.18	$418.00
261	0715-21-1	LIGHTING REPAIRS- ELECTRICAL WORK	LS/LS	1	$1,295.00	$1,295.00
262	0715-21-2	LIGHTING REPAIRS AND RETROFITS, LED RETROFIT KIT FOR EXISTING LUMINAIRE	EA	1	$1,850.00	$1,850.00
263	0715-4-121	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT	EA	2	$9,895.00	$19,790.00
264	0715-4-60	LIGHT POLE COMPLETE, RELOCATE	EA	2	$3,250.00	$6,500.00
265	0715-4-601	LUMINAIRE & BRACKET ARM, F&I, ALUMINUM	EA	2	$2,456.00	$4,912.00

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Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
266	0715-4-602	LUMINAIRE & BRACKET ARM, REMOVE	EA	1	$1,295.00	$1,295.00
267	0715-4-11	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 30' MOUNTING HEIGHT	EA	2	$8,565.00	$17,130.00
268	0715-4-12	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT	EA	2	$9,565.00	$19,130.00
269	0715-4-14	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 45' MOUNTING HEIGHT	EA	2	$10,250.00	$20,500.00
270	0715-4-15	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 50' MOUNTING HEIGHT	EA	2	$13,950.00	$27,900.00
271	0715-4-50	LIGHT POLE COMPLETE, INSTALL	EA	2	$3,500.00	$7,000.00
272	0715-4-70	LIGHT POLE COMPLETE, REMOVE POLE AND FOUNDATION	EA	2	$650.00	$1,300.00
273	0715-4-71	LIGHT POLE COMPLETE, REMOVE POLE, FOUNDATION REMAINS	EA	2	$450.00	$900.00
MISCELANEOUS						
274		FURNISH & INSTALL PIVOTAL HANGER ASSEMBLY ON EXISTING SIGNAL	EA	10	$1,440.00	$14,400.00
275		FURNISH & INSTALL PIVOTAL HANGER ASSEMBLY ON NEW INSTALLATION	EA	10	$1,440.00	$14,400.00
276		F&I DOWN GUY TO EXIST CONCRETE POLE INCL ANCHOR	EA	2	$1,980.00	$3,960.00
277		LEVEL REPAIR EXISTING CONTROLLER CABINET ASSEMBLY INCLUDING ANY CONCRETE & CONDUIT REPAIRS	EA	1	$2,500.00	$2,500.00
278		MODIFY EXISTING BASE, (WIDEN) TO FIT A CLASS 5 NAZTEC CABINET INCLUDING ADDING CONDUITS	EA	1	$2,580.00	$2,580.00
279		EXPLORATORY DIG FOR POLE PLACEMENT	PI	1	$3,000.00	$3,000.00
280		ADJUST LOW HANGING SIGNAL HEADS, INC TIGHTENING, SPANS, RAISE ATT POINTS, ADJ SIGNALS AND CABLE	PI	1	$5,400.00	$5,400.00
281		FURNISH & INSTALL DOWN GUYING EXISTING CONCRETE STRAIN POLE, RERAKING, EXCAVATING AND CONCRETE BASE WORK AS NEEDED	EA	2	$6,000.00	$12,000.00
282		F& I LOOP LEAD IN	LF	200	$5.00	$1,000.00
CONSTRUCT MAST ARMS FOUNDATION INCL. ALL CONCRETE, STEEL & ANCHORS ITEMS 287-295						
283		42" X 10" - 14'	LF	1	$1,881.60	$1,881.60
284		42" X 14.1' - 21'	LF	1	$1,710.00	$1,710.00
285		42" X 21.1' - 28'	LF	1	$1,164.00	$1,164.00
286		48" X 10'-14'	LF	1	$2,161.20	$2,161.20
287		48" X 14'1" - 21'	LF	1	$1,711.20	$1,711.20
288		54" X 10'-14'	LF	1	$2,146.80	$2,146.80

ESC-0006-23 Traffic Signal Unit Price Construction - Countywide - Re-Bid
Bid Tabulation

James D. Hinson Electrical Contracting Company, Inc.						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
289		54" X 14'1" - 21'	LF	1	$1,810.80	$1,810.80
290		60" X 10'-14'	LF	1	$2,265.60	$2,265.60
291		60" X 14'1" - 21'	LF	1	$1,926.00	$1,926.00
				TOTAL COST (ITEMS 1-291):		$4,619,636.65

ESC-0006-23 Traffic Signal Unit Price Construction - Countywide - Re-Bid
Bid Tabulation

Miller Electric Company, Inc.						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
1	0339-1	MISCELLANEOUS ASPHALT PAVEMENT	TN	1	$7,099.00	$7,099.00
2	0519-78	BOLLARDS	EA	2	$5,666.00	$11,332.00
3	0520-1-7	CONCRETE CURB & GUTTER, TYPE E	LF	240	$140.00	$33,600.00
4	0520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	240	$140.00	$33,600.00
5	0520-3	VALLEY GUTTER- CONCRETE	LF	50	$256.00	$12,800.00
6	0520-5-41	TRAFFIC SEPARATOR CONCRETE- TYPE IV, 4' WIDE	LF	240	$362.00	$86,880.00
7	0520-5-42	TRAFFIC SEPARATOR CONCRETE- TYPE IV, 6' WIDE	LF	240	$496.00	$119,040.00
8	0520-70	CONCRETE TRAFFIC SEPARATOR, SPECIAL- VARIABLE WIDTH	SY	100	$528.00	$52,800.00
9	0522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	75	$214.00	$16,050.00
10	0522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	50	$294.00	$14,700.00
11	0527-2	DETECTABLE WARNINGS	SF	96	$99.00	$9,504.00
12	0536-1-1	GUARDRAIL -ROADWAY	LF	125	$209.00	$26,125.00
13	0570-1-2	PERFORMANCE TURF, SOD	SY	500	$58.00	$29,000.00
14	0630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH (unknown # of conduit; based on project at time work order is issued)	LF	1,000	$24.00	$24,000.00
15	0630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE (unknown # of conduit; based on project at time work order is issued)	LF	1,000	$42.00	$42,000.00
16	0630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND (unknown # of conduit; based on project at time work order is issued)	LF	25	$140.00	$3,500.00
17	0630-2-15	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT (unknown # of conduit; based on project at time work order is issued)	LF	25	$542.00	$13,550.00
18	0632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	5	$44,558.00	$222,790.00
19	0632-7-2	SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF	500	$13.00	$6,500.00
20	0632-7-4	SIGNAL CABLE, ADJUST	PI	1	$7,291.00	$7,291.00
21	0632-7-6	SIGNAL CABLE, REMOVE- INTERSECTION	PI	1	$2,598.00	$2,598.00
22	0632-7-7	SIGNAL CABLE, REMOVE- OUTSIDE OF INTERSECTION	LF	100	$34.00	$3,400.00
23	0633-1-111	FIBER OPTIC CABLE, F&I, OVERHEAD,2-12 FIBERS	LF	1,000	$12.00	$12,000.00
24	0633-1-112	FIBER OPTIC CABLE, F&I, OVERHEAD,13-48 FIBERS	LF	500	$16.00	$8,000.00
25	0633-1-113	FIBER OPTIC CABLE, F&I, OVERHEAD,49-96 FIBERS	LF	500	$15.00	$7,500.00
26	0633-1-114	FIBER OPTIC CABLE, F&I, OVERHEAD,97-144 FIBERS	LF	500	$19.00	$9,500.00
27	0633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	LF	500	$12.00	$6,000.00
28	0633-1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS	LF	500	$15.00	$7,500.00
29	0633-1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND,49-96 FIBERS	LF	500	$16.00	$8,000.00

ESC-0006-23 Traffic Signal Unit Price Construction - Countywide - Re-Bid
Bid Tabulation

Miller Electric Company, Inc.						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
30	0633-1-124	FIBER OPTIC CABLE, F&I, UNDERGROUND, 97 - 144 FIBERS	LF	500	$16.00	$8,000.00
31	0633-1-1620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF	500	$11.00	$5,500.00
32	0633-1-410	FIBER OPTIC CABLE, RELOCATE, OVERHEAD	LF	100	$47.00	$4,700.00
33	0633-1-420	FIBER OPTIC CABLE, RELOCATE, UNDERGROUND	LF	100	$37.00	$3,700.00
34	0633-1-610	FIBER OPTIC CABLE, REMOVE, OVERHEAD	LF	500	$16.00	$8,000.00
35	0633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	100	$126.00	$12,600.00
36	0633-2-32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA	100	$126.00	$12,600.00
37	0633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	5	$2,656.00	$13,280.00
38	0633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	5	$775.00	$3,875.00
39	0633-3-13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA	5	$910.00	$4,550.00
40	0633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	5	$2,522.00	$12,610.00
41	0633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	200	$17.00	$3,400.00
42	0633-8-3	MULTI-CONDUCTOR COMMUNICATION CABLE, INSTALL	LF	500	$11.00	$5,500.00
43	0633-8-4	MULTI-CONDUCTOR COMMUNICATION CABLE, RELOCATE	LF	250	$17.00	$4,250.00
44	0633-8-6	MULTI-CONDUCTOR COMMUNICATION CABLE, REMOVE	LF	250	$10.00	$2,500.00
45	0634-4-141	SPAN WIRE ASSEMBLY, F&I, SINGLE POINT, PERPENDICULAR	LF	250	$80.00	$20,000.00
46	0634-4-142	SPAN WIRE ASSEMBLY, F&I, SINGLE POINT, DIAGONAL	LF	250	$80.00	$20,000.00
47	0634-4-151	SPAN WIRE ASSEMBLY, F&I, TWO POINT, PERPENDICULAR	LF	500	$49.00	$24,500.00
48	0634-4-152	SPAN WIRE ASSEMBLY, F&I, TWO POINT, DIAGONAL	LF	500	$49.00	$24,500.00
49	0634-4-153	SPAN WIRE ASSEMBLY, F&I, TWO POINT, BOX	LF	500	$49.00	$24,500.00
50	0634-4-154	SPAN WIRE ASSEMBLY, F&I, TWO POINT, OTHER TYPE	LF	500	$49.00	$24,500.00
51	0634-4-600	SPAN WIRE ASSEMBLY, REMOVE- POLES REMAIN	PI	1	$3,151.00	$3,151.00
52	0634-5-1	FIBERGLASS INSULATOR, FURNISH & INSTALL	LF	10	$558.00	$5,580.00
53	0634-6-1	MESSENGER WIRE, FURNISH & INSTALL- REPLACE EXISTING	LF	500	$20.00	$10,000.00
54	0635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE, INCLUDES GRAVEL, ADJ CONDUIT AS NEEDED, DUCT SEAL	EA	50	$1,529.00	$76,450.00
55	0635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE, INCLUDES GRAVEL, ADJ CONDUIT AS NEEDED, DUCT SEAL	EA	25	$2,604.00	$65,100.00
56	0635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	2	$4,187.00	$8,374.00
57	0635-2-31	PULL & SPLICE BOX, INSTALL, 13" X 24" COVER SIZE INCLUDES GRAVEL, ADJ COND AS NEEDED, DUCT SEAL	EA	50	$1,253.00	$62,650.00
58	0635-2-32	PULL & SPLICE BOX,INSTALL, 24" X 36" COVER SIZE INCLUDES GRAVEL, ADJ COND AS NEEDED DUCT SEAL	EA	25	$1,529.00	$38,225.00

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Miller Electric Company, Inc.						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
59	0635-2-33	PULL & SPLICE BOX,INSTALL, 30" X 60" COVER SIZE INCLUDES GRAVEL, ADJ COND AS NEEDED DUCT SEAL	EA	10	$2,062.00	$20,620.00
60	0635-3-11	JUNCTION BOX, FURNISH & INSTALL, AERIAL	EA	2	$2,691.00	$5,382.00
61	0638-1420	ELECTRICAL POWER SERVICE, RELOCATE, UNDERGROUND	AS	10	$9,786.00	$97,860.00
62	0639-1-113	ELECTRICAL POWER SERVICE, F&I, OVERHEAD, METER NOT REQUIRED	AS	10	$17,469.00	$174,690.00
63	0639-1-122	ELECTRICAL POWER SERVICE, F & I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	10	$10,464.00	$104,640.00
64	0639-1-123	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER NOT REQUIRED	AS	10	$9,743.00	$97,430.00
65	0639-1-410	ELECTRICAL POWER SERVICE, REL OVERHEAD	AS	1	$21,109.00	$21,109.00
66	0639-1-420	ELECTRICAL POWER SERVICE, RELOCATE, UNDERGROUND	AS	1	$10,853.00	$10,853.00
67	0639 -1-610	ELECTRICAL POWER SERVICE, REMOVE OVERHEAD	AS	1	$6,118.00	$6,118.00
68	0639 -1-620	ELECTRICAL POWER SERVICE, REMOVE UNDERGROUND	AS	1	$6,591.00	$6,591.00
69	0639-2-1	ELECTRICAL SERVICE WIRE, F & I	LF	1,000	$6.00	$6,000.00
70	0639-2-4	ELECTRIC SERVICES WIRE RELOCATE	LF	1,000	$8.00	$8,000.00
71	0639-2-6	ELECTRIC SERVICES WIRE REMOVE	LF	1,000	$4.00	$4,000.00
72	0639-3-11	ELECTRICAL SERVICE DISCONNECT, F & I, POLE MOUNT	EA	5	$2,630.00	$13,150.00
73	0641-1-1	GUYING EXISTING CONCRETE STRAIN POLE	EA	5	$2,047.00	$10,235.00
74	0641-2-11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II PEDESTAL	EA	10	$3,835.00	$38,350.00
75	0641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE (max height 6')	EA	10	$5,630.00	$56,300.00
76	0641-2-13	PRESTRESSED CONCRETE POLE, F&I, TYPE P-III	EA	5	$27,540.00	$137,700.00
77	0641-2-14	PRESTRESSED CONCRETE POLE, F&I, TYPE P-IV	EA	1	$37,230.00	$37,230.00
78	0641-2-15	PRESTRESSED CONCRETE POLE, F&I, TYPE P-V	EA	1	$39,716.00	$39,716.00
79	0641-2-16	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VI	EA	1	$42,135.00	$42,135.00
80	0641-2-17	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VII	EA	1	$36,827.00	$36,827.00
81	0641-2-18	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VIII	EA	1	$45,360.00	$45,360.00
82	0641-2-30	PRESTRESSED CONCRETE POLE, INSTALL, COMPLETE POLE (36' TO 42')	EA	1	$114,865.00	$114,865.00
83	0641-2-31	PRESTRESSED CONCRETE POLE, INSTALL, PEDESTAL	EA	1	$5,671.00	$5,671.00
84	0641-2-60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- PEDESTAL/SERVICE POLE	EA	1	$4,763.00	$4,763.00
85	0641-2-70	PRESTRESSED CONCRETE POLE, SHALLOW POLE REMOVAL- POLE 30' AND GREATER	EA	1	$8,613.00	$8,613.00
86	0643-1-1	GUYING EXISTING WOODEN STRAIN POLE	EA	2	$4,809.00	$9,618.00
87	0643-130	FURNISH & INSTALL WOOD STRAIN SIGNAL POLE (30') INCLUDING GUYWIRES & ANCHORS (Per FDOT Spcifications)	EA	2	$6,716.00	$13,432.00
88	0643-135	FURNISH & INSTALL WOOD STRAIN SIGNAL POLE (35') INCLUDING GUYWIRES & ANCHORS (Per FDOT Specifications)	EA	2	$5,805.00	$11,610.00

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Miller Electric Company, Inc.						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
89	0643-330	INSTALL WOOD STRAIN SIGNAL POLE (30') INCLUDING GUYWIRES & ANCHORS	EA	2	$7,629.00	$15,258.00
90	0643-335	INSTALL WOOD STRAIN SIGNAL POLE (35') INCLUDING GUYWIRES & ANCHORS	EA	2	$7,629.00	$15,258.00
91	0643-600	WOOD STRAIN POLE , REMOVE	EA	2	$2,969.00	$5,938.00
92	0646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL, WITH FOUNDATION	EA	5	$5,284.00	$26,420.00
93	0646-1-12	ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTRIAN DETECTOR POST	EA	2	$5,789.00	$11,578.00
94	0646-2-112	ALUMINUM POLE, F&I, 12' , WITH FOUNDATION	EA	2	$6,157.00	$12,314.00
95	0646-2-115	ALUMINUM POLE, F&I, 15', WITH FOUNDATION	EA	2	$5,682.00	$11,364.00
96	0649-1-63	STEEL STRAIN POLE, REMOVE, SHALLOW FOUNDATION REMOVAL, BOLT ON ATTACHMENT	EA	1	$6,056.00	$6,056.00
97	0649-21-1	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 30'	EA	1	$133,064.00	$133,064.00
98	0649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	1	$93,523.00	$93,523.00
99	0649-21-7	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 50'-30'	EA	1	$134,405.00	$134,405.00
100	0649-21-8	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 50'-40'	EA	1	$141,123.00	$141,123.00
101	0649-21-9	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 50'-50'	EA	1	$141,123.00	$141,123.00
102	0649-21-10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	1	$115,695.00	$115,695.00
103	0649-21-11	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 60'-30'	EA	1	$145,155.00	$145,155.00
104	0649-21-12	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 60'-40'	EA	1	$143,759.00	$143,759.00
105	0649-21-13	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 60'-50'	EA	1	$157,197.00	$157,197.00
106	0649-21-14	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 60'-60'	EA	1	$146,498.00	$146,498.00
107	0649-21-15	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70'	EA	1	$120,398.00	$120,398.00
108	0649-21-16	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 70'-30'	EA	1	$141,123.00	$141,123.00
109	0649-21-17	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 70'-40'	EA	1	$149,186.00	$149,186.00
110	0649-21-18	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 70'-50'	EA	1	$150,530.00	$150,530.00
111	0649-21-19	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 70'-60'	EA	1	$159,936.00	$159,936.00
112	0649-21-2	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 30'-30'	EA	1	$116,936.00	$116,936.00
113	0649-21-20	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 70'-70'	EA	1	$154,561.00	$154,561.00
114	0649-21-21	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 78'	EA	1	$130,476.00	$130,476.00
115	0649-21-22	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 78'-30'	EA	1	$154,561.00	$154,561.00
116	0649-21-23	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 78'-40'	EA	1	$159,936.00	$159,936.00
117	0649-21-24	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 78'-50'	EA	1	$161,280.00	$161,280.00
118	0649-21-25	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 78'-60'	EA	1	$166,655.00	$166,655.00
119	0649-21-26	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 78'-70'	EA	1	$170,686.00	$170,686.00
120	0649-21-27	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 78'-78'	EA	1	$173,373.00	$173,373.00
121	0649-21-3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA	1	$98,898.00	$98,898.00

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Miller Electric Company, Inc.						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
122	0649-21-4	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 40'-30'	EA	1	$124,797.00	$124,797.00
123	0649-21-5	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 40'- 40'	EA	1	$129,030.00	$129,030.00
124	0649-23-1	STEEL MAST ARM ASSEMBLY, INSTALL/RELOCATE TO EXISTING FOUNDATION	EA	1	$36,432.00	$36,432.00
125	0649-23-2	STEEL MAST ARM ASSEMBLY, INSTALL/RELOCATE TO NEW/CONTRACTOR PROVIDED FOUNDATION	EA	1	$103,068.00	$103,068.00
126	0649-25-6	STEEL MAST ARM ASSEMBLY, REPLACE ARM ON EXISTING POLE, 50'	EA	1	$27,399.00	$27,399.00
127	0649-25-10	STEEL MAST ARM ASSEMBLY, REPLACE ARM ON EXISTING POLE, 60'	EA	1	$43,560.00	$43,560.00
128	0649-26 -3	STEEL MAST ARM ASSEMBLY, REMOVE SHALLOW FOUNDAION-BOLT ON ATTACHEMENT	EA	1	$15,038.00	$15,038.00
129	0649-26 -5	STEEL MAST ARM ASSEMBLY, REMOVE DEEP FOUNDAION-BOLT ON ATTACHEMENT	EA	1	$23,861.00	$23,861.00
130	0649-26 -7	STEEL MAST ARM ASSEMBLY, REMOVE, REMOVE ARM AND ATTACHMENTS; POLE REMAINS	EA	1	$13,807.00	$13,807.00
131	0649-26-1	STEEL MAST ARM ASSEMBLY, REMOVE, POLE ONLY- ENTIRE FOUNDATION REMAINS	EA	1	$13,807.00	$13,807.00
132	0650-1-14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	EA	20	$2,489.00	$49,780.00
133	0650-1-11	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 1 SECTION, 1 WAY	EA	1	$3,379.00	$3,379.00
134	0650-1-12	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 1 SECTION, 2-4 WAY	EA	1	$4,277.00	$4,277.00
135	0650-1-13	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 2 SECTION, 1-2 WAYS	EA	1	$3,908.00	$3,908.00
136	0650-1-15	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 2-4 WAYS	EA	5	$4,331.00	$21,655.00
137	0650-1-16	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	EA	5	$2,584.00	$12,920.00
138	0650-1-18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	EA	1	$4,134.00	$4,134.00
139	0650-1-19	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION CLUSTER, 1 WAY	EA	5	$3,599.00	$17,995.00
140	0650-1-44	VEHICULAR TRAFFIC SIGNAL,FURNISH & INSTALL PROGRAMMABLE 3 SECTION, 1 WAY	AS	1	$9,574.00	$9,574.00
141	0650-1-46	VEHICULAR TRAFFIC SIGNAL,FURNISH & INSTALL PROGRAMMABLE 4 SECTION, 1 WAY	AS	1	$11,728.00	$11,728.00
142	0650-1-50	VEHICULAR TRAFFIC SIGNAL, INSTALL	AS	10	$3,025.00	$30,250.00
143	0650-1-51	VEHICULAR TRAFFIC SIGNAL, INSTALL ALUMINUM, 1 SECTION, 1 WAY	AS	1	$3,312.00	$3,312.00
144	0650-1-52	VEHICULAR TRAFFIC SIGNAL,INSTALL ALUMINUM, 1 SECTION, 2 WAY	AS	1	$3,840.00	$3,840.00
145	0650-1-54	VEHICULAR TRAFFIC SIGNAL, INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	20	$2,082.00	$41,640.00
146	0650-1-55	VEHICULAR TRAFFIC SIGNAL, INSTALL ALUMINUM, 3 SECTION, 2 WAYS	AS	1	$3,572.00	$3,572.00
147	0650-1-56	VEHICULAR TRAFFIC SIGNAL, INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	2	$5,262.00	$10,524.00
148	0650-1-58	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	1	$4,167.00	$4,167.00
149	0650-1-59	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION CLUSTER, 1 WAY	AS	1	$4,369.00	$4,369.00
150	0650-1-60	VEHICULAR TRAFFIC SIGNAL REMOVE	AS	2	$2,571.00	$5,142.00
151	0650-1-70	VEHICULAR TRAFFIC SIGNAL RELOCATE-INCLUDES REMOVAL AND RELOCATION	AS	2	$6,846.00	$13,692.00
152	0650-1-80	VEHICULAR TRAFFIC SIGNAL ADJUST/MODIFY EXISTING SIGNAL	AS	1	$4,915.00	$4,915.00
153	0650-2-102	VEHICULAR SIGNAL AUXILIARIES, REPAIR/REPLACE/RETROFIT-FURNISH & INSTALL, BACKPLATE-BLACK WITH REFLECTIVE BORDER	EA	10	$2,922.00	$29,220.00

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Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
154	0653-1-11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	10	$1,850.00	$18,500.00
155	0653-1-12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	10	$5,052.00	$50,520.00
156	0653-1-31	PEDESTRIAN SIGNAL, INSTALL LED COUNTDOWN, 1 WAY	AS	10	$1,279.00	$12,790.00
157	0653-1-32	PEDESTRIAN SIGNAL, INSTALL LED COUNTDOWN, 2 WAYS	AS	10	$1,874.00	$18,740.00
158	0653-1-40	PEDESTRIAN SIGNAL, RELOCATE	AS	2	$2,078.00	$4,156.00
159	0653-1-60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN	AS	2	$647.00	$1,294.00
160	0654-2-11	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- AC POWERED, COMPLETE ASSEMBLY- SINGLE DIRECTION	AS	2	$14,993.00	$29,986.00
161	0654-2-12	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- AC POWERED, COMPLETE ASSEMBLY- BACK TO BACK	AS	2	$17,799.00	$35,598.00
162	0654-2-17	MIDBLOCK CROSSWALK: RECTANGULAR RAPID FLASHING BEACON, FURNISH/INSTALL- AC, SIGN ASSY- SINGLE DIR ACCESSIBLE DETECTOR	AS	1	$15,614.00	$15,614.00
163	0654-2-18	MIDBLOCK CROSSWALK: REC RAPID FLASHING BEACON, FURNISH/INSTALL- AC, SIGN ASSEMBLY- BACK-BACK ACCESSIBLE DETECTOR	AS	1	$18,420.00	$18,420.00
164	0654-2-21	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR POWERED, COMPLETE ASSEMBLY- SINGLE DIRECTION	AS	2	$14,025.00	$28,050.00
165	0654-2-22	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR POWERED, COMPLETE ASSEMBLY- BACK TO BACK	AS	2	$18,152.00	$36,304.00
166	0654-2-27	MIDBLOCK CROSSWALK: REC RAPID FLASHING BEACON, FURNISH/INSTALL- SOLAR, SIGN ASSEMBLY- SINGLE DIR ACCESSIBLE DETECTOR	AS	1	$15,852.00	$15,852.00
167	0654-2-28	MIDBLOCK CROSSWALK: REC RAPID FLASHING BEACON, FURNISH/INSTALL- SOLAR, SIGN ASSEMBLY- BACK-BACK ACCESSIBLE DETECTOR	AS	1	$19,025.00	$19,025.00
168	0654-2-30	RECTANGULAR RAPID FLASHING BEACON, INSTALL COMPLETE ASSEMBLY	AS	2	$10,620.00	$21,240.00
169	0654-2-40	RECTANGULAR RAPID FLASHING BEACON, RELOCATE COMPLETE ASSEMBLY	AS	1	$12,933.00	$12,933.00
170	0654-2-50	MIDBLOCK CROSSWALK: RECTANGULAR RAPID FLASHING BEACON, ADJUST/MODIFY	AS	1	$3,734.00	$3,734.00
171	0654-2-60	MIDBLOCK CROSSWALK: RECTANGULAR RAPID FLASHING BEACON, REMOVE COMPLETE SIGN ASSEMBLY	AS	1	$3,206.00	$3,206.00
172	0654-2-500	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- MAST ARM MOUNTED COMPLETE ASSEMBLY- SINGLE DIRECTION	AS	1	$10,263.00	$10,263.00
173	0654-3-10	MIDBLOCK CROSSWALK: PEDESTRIAN HYBRID BEACON ASSEMBLY, FURNISH & INSTALL COMPLETE ASSEMBLY	AS	1	$7,077.00	$7,077.00
174	0654-3-40	MIDBLOCK CROSSWALK: PEDESTRIAN HYBRID BEACON ASSEMBLY, RELOCATE	AS	1	$8,233.00	$8,233.00
175	0654-3-60	MIDBLOCK CROSSWALK: PEDESTRIAN HYBRID BEACON ASSEMBLY, REMOVE	AS	1	$3,004.00	$3,004.00

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Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
176	0660-1-104	LOOP DETECTOR INDUCTIVE, TYPE 4, F&I	EA	2	$1,763.00	$3,526.00
177	0660-1-110	LOOP DETECTOR INDUCTIVE, TYPE 10, F&I	EA	2	$1,763.00	$3,526.00
178	0660-1-300	LOOP DETECTOR INDUCTIVE, INSTALL	EA	2	$1,409.00	$2,818.00
179	0660-2-102	LOOP ASSEMBLY, F&I, TYPE B	AS	20	$3,567.00	$71,340.00
180	0660-2-103	LOOP ASSEMBLY, F&I, TYPE C	AS	1	$3,441.00	$3,441.00
181	0660-2-106	LOOP ASSEMBLY, F&I, TYPE F	AS	20	$3,209.00	$64,180.00
182	0660-3-11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	EA	1	$9,419.00	$9,419.00
183	0660-3-12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	1	$21,752.00	$21,752.00
184	0660-3-31	VEHICLE DETECTION SYSTEM- MICROWAVE, INSTALL- FDOT FURNISHED CABINET EQUIPMENT	EA	2	$1,055.00	$2,110.00
185	0660-3-32	VEHICLE DETECTION SYSTEM- MICROWAVE, INSTALL- FDOT FURNISHED, ABOVE GROUND EQUIPMENT	EA	2	$4,749.00	$9,498.00
186	0660-3-60	VEHICLE DETECTION SYSTEM - MICROWAVE, REMOVE, COMPLETE SYSTEM	EA	1	$3,096.00	$3,096.00
187	0660-4-0	VEHICLE DETECTION SYSTEM- VIDEO, REMOVE	EA	1	$3,096.00	$3,096.00
188	0660-4-11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA	1	$22,051.00	$22,051.00
189	0660-4-12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	1	$14,116.00	$14,116.00
190	0660-4-42	VEHICLE DETECTION SYSTEM- VIDEO, RELOCATE ABOVE GROUND EQUIPMENT	EA	1	$12,086.00	$12,086.00
191	0660-6-121	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, CABINET EQUIPMENT	EA	2	$1,476.00	$2,952.00
192	0660-6-122	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	2	$11,331.00	$22,662.00
193	0660-6-600	VEHICLE DETECTION SYSTEM- AVI, REMOVE COMPLETE SYSTEM	EA	1	$2,980.00	$2,980.00
194	0663-1-120	SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, GPS, COMPLETE SYSTEM	EA	1	$22,606.00	$22,606.00
195	0663-1-400	SIGNAL PRIORITY & PREEMPTION SYSTEM, RELOCATE	EA	1	$10,715.00	$10,715.00
196	0663-1-600	SIGNAL PRIORITY & PREEMPTION SYSTEM, REMOVE	EA	1	$2,980.00	$2,980.00
197	0665-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	20	$749.00	$14,980.00
198	0665-1-30	PEDESTRIAN DETECTOR, INSTALL, COJ FURNISHED	EA	20	$554.00	$11,080.00
199	0665-1-60	PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN	EA	20	$541.00	$10,820.00
200	0670-4-1	INTERSECTION CONTROL BEACON CONTROLLER ASSEMBLY, FURNISH & INSTALL	AS	1	$8,523.00	$8,523.00
201	0670-5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, WITH FOUNDATION, NEMA	AS	2	$35,984.00	$71,968.00
202	0670-5-111	TRAFFIC CONTROLLER ASSEMBLY, F&I, WITH FOUNDATION, NEMA, 1 PREEMPTION	AS	1	$37,878.00	$37,878.00
203	0670-5-112	TRAFFIC CONTROLLER ASSEMBLY, F&I, WITH FOUDATION, NEMA, 2 PREEMPTION	AS	2	$38,672.00	$77,344.00
204	0670-5-310	TRAFFIC CONTROLLER ASSEMBLY, INSTALL WITHOUT FOUNDATION,NEMA	AS	1	$3,202.00	$3,202.00
205	0670-5-311	TRAFFIC CONTROLLER ASSEMBLY,INSTALL, NEMA, 1 PREEMPTION	AS	1	$6,972.00	$6,972.00
206	0670-5-320	TRAFFIC CONTROLLER ASSEMBLY, INSTALL WITHOUT FOUNDATION, MODEL 170	AS	1	$6,972.00	$6,972.00

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207	0670-5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	2	$1,726.00	$3,452.00
208	0670-5-600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET & FOUNDATION	AS	2	$7,698.00	$15,396.00
209	0682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	EA	1	$9,286.00	$9,286.00
210	0682-1-133	ITS CCTV CAMERA, F&I, DOME ENCLOSURE - NON-PRESSURIZED, IP, HIGH DEFINITION	EA	1	$9,353.00	$9,353.00
211	0682-1-400	ITS CCTV CAMERA, RELOCATE	EA	1	$8,100.00	$8,100.00
212	0684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	20	$10,025.00	$200,500.00
213	0684-1-6	MANAGED FIELD ETHERNET SWITCH, REMOVE- CABINET TO REMAIN	EA	1	$1,308.00	$1,308.00
214	0684-2-1	DEVICE SERVER, FURNISH & INSTALL	EA	2	$3,617.00	$7,234.00
215	0684-2-3	DEVICE SERVER, INSTALL	EA	2	$1,055.00	$2,110.00
216	0684-6-11	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET ACCESS POINT	EA	2	$7,782.00	$15,564.00
217	0684-6-12	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET SUBSCRIBER UNIT	EA	2	$7,917.00	$15,834.00
218	0684-6-13	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL SERIAL DATA UNIT	EA	2	$9,697.00	$19,394.00
219	0684-6-30	WIRELESS COMMUNICATION DEVICE, INSTALL	EA	2	$997.00	$1,994.00
220	0684-6-40	WIRELESS COMMUNICATION DEVICE, RELOCATE	EA	2	$1,993.00	$3,986.00
221	0684-6-60	WIRELESS COMMUNICATION DEVICE, REMOVE	EA	2	$3,525.00	$7,050.00
222	0685-106	SYSTEM AUXILIARIES, F&I, UNINTERRUPTIBLE POWER SOURCE	EA	10	$11,833.00	$118,330.00
223	0700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	1	$3,140.00	$3,140.00
224	0700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	1	$6,078.00	$6,078.00
225	0700-1-13	SINGLE POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS	1	$7,019.00	$7,019.00
226	0700-1-14	SINGLE POST SIGN, F&I GROUND MOUNT, 31+ SF	AS	1	$9,169.00	$9,169.00
227	0700-1-40	SINGLE POST SIGN, INSTALL	AS	1	$2,845.00	$2,845.00
228	0700-1-50	SINGLE POST SIGN, RELOCATE	AS	1	$2,468.00	$2,468.00
229	0700-1-60	SINGLE POST SIGN, REMOVE	AS	1	$2,166.00	$2,166.00
230	0700-12-11	SIGN BEACON, F&I GROUND MOUNT- AC POWERED, ONE BEACON	AS	1	$10,561.00	$10,561.00
231	0700-12-12	SIGN BEACON, F&I GROUND MOUNT- AC POWERED, TWO BEACONS	AS	1	$12,473.00	$12,473.00
232	0700-12-21	SIGN BEACON, F&I GROUND MOUNT- SOLAR POWERED, ONE BEACON	AS	1	$11,904.00	$11,904.00
233	0700-12-22	SIGN BEACON, F&I GROUND MOUNT- SOLAR POWERED, TWO BEACONS	AS	1	$14,219.00	$14,219.00
234	0700-12-31	SIGN BEACON, F&I OVERHEAD MOUNT, ONE BEACON	AS	1	$11,797.00	$11,797.00
235	0700-12-32	SIGN BEACON, F&I OVERHEAD MOUNT, TWO BEACONS	AS	1	$14,072.00	$14,072.00
236	0700-12-50	SIGN BEACON, RELOCATE BEACON- SIGN TO REMAIN	AS	1	$6,376.00	$6,376.00
237	0700-12-60	SIGN BEACON, REMOVE BEACON- SIGN TO REMAIN	AS	1	$2,730.00	$2,730.00
238	0700-11-111	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- AC POWERED, ELECTRONIC WARNING SIGN, UP TO 12 SF	AS	1	$7,848.00	$7,848.00

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239	0700-11-112	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- AC POWERED, ELECTRONIC WARNING SIGN, 12-20 SF	AS	1	$9,471.00	$9,471.00
240	0700-11-113	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- AC POWERED, ELECTRONIC WARNING SIGN, 21-30 SF	AS	1	$15,663.00	$15,663.00
241	0700-11-121	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- AC POWERED, ELECTRONIC REGULATORY SIGN, UP TO 12 SF	AS	1	$7,948.00	$7,948.00
242	0700-11-122	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- AC POWERED, ELECTRONIC REGULATORY SIGN, 12-20 SF	AS	1	$11,915.00	$11,915.00
243	0700-11-123	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- AC POWERED, ELECTRONIC REGULATORY SIGN, 21-30 SF	AS	1	$16,671.00	$16,671.00
244	0700-11-600	ELECTRONIC DISPLAY SIGN, REMOVE- GROUND MOUNT	AS	2	$1,916.00	$3,832.00
245	0700-3-201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	2	$2,344.00	$4,688.00
246	0700-3-202	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 12-20 SF	EA	2	$2,536.00	$5,072.00
247	0700-3-203	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 21-30 SF	EA	2	$3,031.00	$6,062.00
248	0700-3-401	SIGN PANEL, INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	2	$4,702.00	$9,404.00
249	0700-3-402	SIGN PANEL, INSTALL OVERHEAD MOUNT, 12-20 SF	EA	2	$3,059.00	$6,118.00
250	0700-3-403	SIGN PANEL, INSTALL OVERHEAD MOUNT, 21-30 SF	EA	2	$3,184.00	$6,368.00
251	0700-3-501	SIGN PANEL, RELOCATE, UP TO 12 SF	EA	2	$2,822.00	$5,644.00
252	0700-3-502	SIGN PANEL, RELOCATE, 12-20 SF	EA	2	$3,251.00	$6,502.00
253	0700-3-601	SIGN PANEL, REMOVE, UP TO 12 SF	EA	2	$1,311.00	$2,622.00
254	0700-3-602	SIGN PANEL, REMOVE, 12-20 SF	EA	2	$4,550.00	$9,100.00
255	0700-5-11	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL GROUND MOUNT, UP TO 12 SF	EA	1	$18,015.00	$18,015.00
256	0700-5-22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	2	$27,218.00	$54,436.00
257	0700-5-50	INTERNALLY ILLUMINATED SIGN, RELOCATE	EA	2	$9,670.00	$19,340.00
258	0700-5-60	INTERNALLY ILLUMINATED SIGN, REMOVE	EA	2	$1,679.00	$3,358.00
259	0715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	100	$40.00	$4,000.00
260	0715-1-13	LIGHTING CONDUCTORS, F&I, INSULATED, NO 4 TO NO 2	LF	100	$79.00	$7,900.00
261	0715-21-1	LIGHTING REPAIRS- ELECTRICAL WORK	LS/LS	1	$12,410.00	$12,410.00
262	0715-21-2	LIGHTING REPAIRS AND RETROFITS, LED RETROFIT KIT FOR EXISTING LUMINAIRE	EA	1	$9,722.00	$9,722.00
263	0715-4-121	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT	EA	2	$50,470.00	$100,940.00
264	0715-4-60	LIGHT POLE COMPLETE, RELOCATE	EA	2	$10,659.00	$21,318.00
265	0715-4-601	LUMINAIRE & BRACKET ARM, F&I, ALUMINUM	EA	2	$8,396.00	$16,792.00

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266	0715-4-602	LUMINAIRE & BRACKET ARM, REMOVE	EA	1	$2,989.00	$2,989.00
267	0715-4-11	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 30' MOUNTING HEIGHT	EA	2	$23,883.00	$47,766.00
268	0715-4-12	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT	EA	2	$23,988.00	$47,976.00
269	0715-4-14	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 45' MOUNTING HEIGHT	EA	2	$28,317.00	$56,634.00
270	0715-4-15	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 50' MOUNTING HEIGHT	EA	2	$30,602.00	$61,204.00
271	0715-4-50	LIGHT POLE COMPLETE, INSTALL	EA	2	$13,833.00	$27,666.00
272	0715-4-70	LIGHT POLE COMPLETE, REMOVE POLE AND FOUNDATION	EA	2	$6,116.00	$12,232.00
273	0715-4-71	LIGHT POLE COMPLETE, REMOVE POLE, FOUNDATION REMAINS	EA	2	$5,596.00	$11,192.00
		MISCELANEOUS				
274		FURNISH & INSTALL PIVOTAL HANGER ASSEMBLY ON EXISTING SIGNAL	EA	10	$3,479.00	$34,790.00
275		FURNISH & INSTALL PIVOTAL HANGER ASSEMBLY ON NEW INSTALLATION	EA	10	$3,479.00	$34,790.00
276		F&I DOWN GUY TO EXIST CONCRETE POLE INCL ANCHOR	EA	2	$4,364.00	$8,728.00
277		LEVEL REPAIR EXISTING CONTROLLER CABINET ASSEMBLY INCLUDING ANY CONCRETE & CONDUIT REPAIRS	EA	1	$4,775.00	$4,775.00
278		MODIFY EXISTING BASE, (WIDEN) TO FIT A CLASS 5 NAZTEC CABINET INCLUDING ADDING CONDUITS	EA	1	$4,775.00	$4,775.00
279		EXPLORATORY DIG FOR POLE PLACEMENT	PI	1	$6,251.00	$6,251.00
280		ADJUST LOW HANGING SIGNAL HEADS, INC TIGHTENING, SPANS, RAISE ATT POINTS, ADJ SIGNALS AND CABLE	PI	1	$11,567.00	$11,567.00
281		FURNISH & INSTALL DOWN GUYING EXISTING CONCRETE STRAIN POLE, RERAKING, EXCAVATING AND CONCRETE BASE WORK AS NEEDED	EA	2	$20,236.00	$40,472.00
282		F& I LOOP LEAD IN	LF	200	$16.00	$3,200.00
		CONSTRUCT MAST ARMS FOUNDATION INCL. ALL CONCRETE, STEEL & ANCHORS ITEMS 287-295				
283		42" X 10" - 14'	LF	1	$56,904.00	$56,904.00
284		42" X 14.1' - 21'	LF	1	$60,760.00	$60,760.00
285		42" X 21.1' - 28'	LF	1	$60,290.00	$60,290.00
286		48" X 10'-14'	LF	1	$58,597.00	$58,597.00
287		48" X 14'1" - 21'	LF	1	$62,736.00	$62,736.00
288		54" X 10'-14'	LF	1	$60,666.00	$60,666.00

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Miller Electric Company, Inc.						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
289		54" X 14'1" - 21'	LF	1	$65,981.00	$65,981.00
290		60" X 10'-14'	LF	1	$62,359.00	$62,359.00
291		60" X 14'1" - 21'	LF	1	$68,662.00	$68,662.00
				TOTAL COST (ITEMS 1-291):	$9,895,434.00	

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Traffic Control Devises, LLC						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
1	0339-1	MISCELLANEOUS ASPHALT PAVEMENT	TN	1	$1,248.00	$1,248.00
2	0519-78	BOLLARDS	EA	2	$2,431.00	$4,862.00
3	0520-1-7	CONCRETE CURB & GUTTER, TYPE E	LF	240	$85.50	$20,520.00
4	0520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	240	$85.50	$20,520.00
5	0520-3	VALLEY GUTTER- CONCRETE	LF	50	$131.00	$6,550.00
6	0520-5-41	TRAFFIC SEPARATOR CONCRETE- TYPE IV, 4' WIDE	LF	240	$329.00	$78,960.00
7	0520-5-42	TRAFFIC SEPARATOR CONCRETE- TYPE IV, 6' WIDE	LF	240	$460.00	$110,400.00
8	0520-70	CONCRETE TRAFFIC SEPARATOR, SPECIAL- VARIABLE WIDTH	SY	100	$460.00	$46,000.00
9	0522-1	CONCRETE SIDEWALK AND DRIVEWAYS, 4" THICK	SY	75	$131.00	$9,825.00
10	0522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6" THICK	SY	50	$164.00	$8,200.00
11	0527-2	DETECTABLE WARNINGS	SF	96	$65.50	$6,288.00
12	0536-1-1	GUARDRAIL -ROADWAY	LF	125	$131.00	$16,375.00
13	0570-1-2	PERFORMANCE TURF, SOD	SY	500	$52.50	$26,250.00
14	0630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH (unknown # of conduit; based on project at time work order is issued)	LF	1,000	$45.00	$45,000.00
15	0630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE (unknown # of conduit; based on project at time work order is issued)	LF	1,000	$54.50	$54,500.00
16	0630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND (unknown # of conduit; based on project at time work order is issued)	LF	25	$44.50	$1,112.50
17	0630-2-15	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT (unknown # of conduit; based on project at time work order is issued)	LF	25	$53.00	$1,325.00
18	0632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	5	$17,086.00	$85,430.00
19	0632-7-2	SIGNAL CABLE- REPAIR/REPLACE/OTHER, FURNISH & INSTALL	LF	500	$12.00	$6,000.00
20	0632-7-4	SIGNAL CABLE, ADJUST	PI	1	$1,820.00	$1,820.00
21	0632-7-6	SIGNAL CABLE, REMOVE- INTERSECTION	PI	1	$1,785.00	$1,785.00
22	0632-7-7	SIGNAL CABLE, REMOVE- OUTSIDE OF INTERSECTION	LF	100	$3.55	$355.00
23	0633-1-111	FIBER OPTIC CABLE, F&I, OVERHEAD,2-12 FIBERS	LF	1,000	$4.00	$4,000.00
24	0633-1-112	FIBER OPTIC CABLE, F&I, OVERHEAD,13-48 FIBERS	LF	500	$4.10	$2,050.00
25	0633-1-113	FIBER OPTIC CABLE, F&I, OVERHEAD,49-96 FIBERS	LF	500	$4.35	$2,175.00
26	0633-1-114	FIBER OPTIC CABLE, F&I, OVERHEAD,97-144 FIBERS	LF	500	$5.10	$2,550.00
27	0633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND,2-12 FIBERS	LF	500	$3.80	$1,900.00
28	0633-1-122	FIBER OPTIC CABLE, F&I, UNDERGROUND,13-48 FIBERS	LF	500	$4.20	$2,100.00
29	0633-1-123	FIBER OPTIC CABLE, F&I, UNDERGROUND,49-96 FIBERS	LF	500	$4.50	$2,250.00

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Traffic Control Devises, LLC						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
30	0633-1-124	FIBER OPTIC CABLE, F&I, UNDERGROUND, 97 - 144 FIBERS	LF	500	$5.00	$2,500.00
31	0633-1-1620	FIBER OPTIC CABLE, REMOVE, UNDERGROUND	LF	500	$1.35	$675.00
32	0633-1-410	FIBER OPTIC CABLE, RELOCATE, OVERHEAD	LF	100	$3.30	$330.00
33	0633-1-420	FIBER OPTIC CABLE, RELOCATE, UNDERGROUND	LF	100	$3.00	$300.00
34	0633-1-610	FIBER OPTIC CABLE, REMOVE, OVERHEAD	LF	500	$1.35	$675.00
35	0633-2-31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	100	$51.00	$5,100.00
36	0633-2-32	FIBER OPTIC CONNECTION, INSTALL, TERMINATION	EA	100	$86.50	$8,650.00
37	0633-3-11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	5	$1,016.00	$5,080.00
38	0633-3-12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	5	$66.50	$332.50
39	0633-3-13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA	5	$73.00	$365.00
40	0633-3-15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	5	$2,518.00	$12,590.00
41	0633-8-1	MULTI-CONDUCTOR COMMUNICATION CABLE, FURNISH & INSTALL	LF	200	$5.65	$1,130.00
42	0633-8-3	MULTI-CONDUCTOR COMMUNICATION CABLE, INSTALL	LF	500	$2.00	$1,000.00
43	0633-8-4	MULTI-CONDUCTOR COMMUNICATION CABLE, RELOCATE	LF	250	$2.65	$662.50
44	0633-8-6	MULTI-CONDUCTOR COMMUNICATION CABLE, REMOVE	LF	250	$0.65	$162.50
45	0634-4-141	SPAN WIRE ASSEMBLY, F&I, SINGLE POINT, PERPENDICULAR	LF	250	$33.00	$8,250.00
46	0634-4-142	SPAN WIRE ASSEMBLY, F&I, SINGLE POINT, DIAGONAL	LF	250	$33.00	$8,250.00
47	0634-4-151	SPAN WIRE ASSEMBLY, F&I, TWO POINT, PERPENDICULAR	LF	500	$51.00	$25,500.00
48	0634-4-152	SPAN WIRE ASSEMBLY, F&I, TWO POINT, DIAGONAL	LF	500	$82.00	$41,000.00
49	0634-4-153	SPAN WIRE ASSEMBLY, F&I, TWO POINT, BOX	LF	500	$54.00	$27,000.00
50	0634-4-154	SPAN WIRE ASSEMBLY, F&I, TWO POINT, OTHER TYPE	LF	500	$48.00	$24,000.00
51	0634-4-600	SPAN WIRE ASSEMBLY, REMOVE- POLES REMAIN	PI	1	$4,070.05	$4,070.05
52	0634-5-1	FIBERGLASS INSULATOR, FURNISH & INSTALL	LF	10	$54.50	$545.00
53	0634-6-1	MESSENGER WIRE, FURNISH & INSTALL- REPLACE EXISTING	LF	500	$2.40	$1,200.00
54	0635-2-11	PULL & SPLICE BOX, F&I, 13" x 24" COVER SIZE, INCLUDES GRAVEL, ADJ CONDUIT AS NEEDED, DUCT SEAL	EA	50	$1,283.00	$64,150.00
55	0635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE, INCLUDES GRAVEL, ADJ CONDUIT AS NEEDED, DUCT SEAL	EA	25	$2,781.00	$69,525.00
56	0635-2-13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	2	$6,167.00	$12,334.00
57	0635-2-31	PULL & SPLICE BOX, INSTALL, 13" X 24" COVER SIZE INCLUDES GRAVEL, ADJ COND AS NEEDED, DUCT SEAL	EA	50	$988.00	$49,400.00
58	0635-2-32	PULL & SPLICE BOX,INSTALL, 24" X 36" COVER SIZE INCLUDES GRAVEL, ADJ COND AS NEEDED DUCT SEAL	EA	25	$1,507.00	$37,675.00

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Traffic Control Devises, LLC						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
59	0635-2-33	PULL & SPLICE BOX,INSTALL, 30" X 60" COVER SIZE INCLUDES GRAVEL, ADJ COND AS NEEDED DUCT SEAL	EA	10	$2,852.00	$28,520.00
60	0635-3-11	JUNCTION BOX, FURNISH & INSTALL, AERIAL	EA	2	$663.00	$1,326.00
61	0638-1420	ELECTRICAL POWER SERVICE, RELOCATE, UNDERGROUND	AS	10	$3,157.00	$31,570.00
62	0639-1-113	ELECTRICAL POWER SERVICE, F&I, OVERHEAD, METER NOT REQUIRED	AS	10	$3,527.00	$35,270.00
63	0639-1-122	ELECTRICAL POWER SERVICE, F & I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	10	$3,189.00	$31,890.00
64	0639-1-123	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER NOT REQUIRED	AS	10	$2,885.00	$28,850.00
65	0639-1-410	ELECTRICAL POWER SERVICE, REL OVERHEAD	AS	1	$3,925.00	$3,925.00
66	0639-1-420	ELECTRICAL POWER SERVICE, RELOCATE, UNDERGROUND	AS	1	$3,157.00	$3,157.00
67	0639 -1-610	ELECTRICAL POWER SERVICE, REMOVE OVERHEAD	AS	1	$558.00	$558.00
68	0639 -1-620	ELECTRICAL POWER SERVICE, REMOVE UNDERGROUND	AS	1	$408.00	$408.00
69	0639-2-1	ELECTRICAL SERVICE WIRE, F & I	LF	1,000	$7.75	$7,750.00
70	0639-2-4	ELECTRIC SERVICES WIRE RELOCATE	LF	1,000	$2.75	$2,750.00
71	0639-2-6	ELECTRIC SERVICES WIRE REMOVE	LF	1,000	$0.80	$800.00
72	0639-3-11	ELECTRICAL SERVICE DISCONNECT, F & I, POLE MOUNT	EA	5	$1,331.00	$6,655.00
73	0641-1-1	GUYING EXISTING CONCRETE STRAIN POLE	EA	5	$1,553.00	$7,765.00
74	0641-2-11	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II PEDESTAL	EA	10	$2,065.00	$20,650.00
75	0641-2-12	PRESTRESSED CONCRETE POLE, F&I, TYPE P-II SERVICE POLE (max height 6')	EA	10	$2,065.00	$20,650.00
76	0641-2-13	PRESTRESSED CONCRETE POLE, F&I, TYPE P-III	EA	5	$9,338.00	$46,690.00
77	0641-2-14	PRESTRESSED CONCRETE POLE, F&I, TYPE P-IV	EA	1	$11,276.00	$11,276.00
78	0641-2-15	PRESTRESSED CONCRETE POLE, F&I, TYPE P-V	EA	1	$13,453.00	$13,453.00
79	0641-2-16	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VI	EA	1	$13,909.00	$13,909.00
80	0641-2-17	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VII	EA	1	$14,384.00	$14,384.00
81	0641-2-18	PRESTRESSED CONCRETE POLE, F&I, TYPE P-VIII	EA	1	$14,605.00	$14,605.00
82	0641-2-30	PRESTRESSED CONCRETE POLE, INSTALL, COMPLETE POLE (36' TO 42')	EA	1	$6,383.00	$6,383.00
83	0641-2-31	PRESTRESSED CONCRETE POLE, INSTALL, PEDESTAL	EA	1	$1,037.00	$1,037.00
84	0641-2-60	PRESTRESSED CONCRETE POLE, COMPLETE POLE REMOVAL- PEDESTAL/SERVICE POLE	EA	1	$523.00	$523.00
85	0641-2-70	PRESTRESSED CONCRETE POLE, SHALLOW POLE REMOVAL- POLE 30' AND GREATER	EA	1	$3,097.00	$3,097.00
86	0643-1-1	GUYING EXISTING WOODEN STRAIN POLE	EA	2	$1,553.00	$3,106.00
87	0643-130	FURNISH & INSTALL WOOD STRAIN SIGNAL POLE (30') INCLUDING GUYWIRES & ANCHORS (Per FDOT Spcifications)	EA	2	$5,137.00	$10,274.00
88	0643-135	FURNISH & INSTALL WOOD STRAIN SIGNAL POLE (35') INCLUDING GUYWIRES & ANCHORS (Per FDOT Specifications)	EA	2	$5,347.00	$10,694.00

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Traffic Control Devises, LLC						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
89	0643-330	INSTALL WOOD STRAIN SIGNAL POLE (30') INCLUDING GUYWIRES & ANCHORS	EA	2	$2,557.00	$5,114.00
90	0643-335	INSTALL WOOD STRAIN SIGNAL POLE (35') INCLUDING GUYWIRES & ANCHORS	EA	2	$2,557.00	$5,114.00
91	0643-600	WOOD STRAIN POLE , REMOVE	EA	2	$1,128.00	$2,256.00
92	0646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL, WITH FOUNDATION	EA	5	$2,277.00	$11,385.00
93	0646-1-12	ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTRIAN DETECTOR POST	EA	2	$2,287.00	$4,574.00
94	0646-2-112	ALUMINUM POLE, F&I, 12' , WITH FOUNDATION	EA	2	$2,823.00	$5,646.00
95	0646-2-115	ALUMINUM POLE, F&I, 15', WITH FOUNDATION	EA	2	$3,054.00	$6,108.00
96	0649-1-63	STEEL STRAIN POLE, REMOVE, SHALLOW FOUNDATION REMOVAL, BOLT ON ATTACHMENT	EA	1	$3,050.00	$3,050.00
97	0649-21-1	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 30'	EA	1	$47,665.00	$47,665.00
98	0649-21-6	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 50'	EA	1	$54,564.00	$54,564.00
99	0649-21-7	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 50'-30'	EA	1	$81,140.00	$81,140.00
100	0649-21-8	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 50'-40'	EA	1	$87,840.00	$87,840.00
101	0649-21-9	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 50'-50'	EA	1	$84,778.00	$84,778.00
102	0649-21-10	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 60'	EA	1	$63,991.00	$63,991.00
103	0649-21-11	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 60'-30'	EA	1	$84,123.00	$84,123.00
104	0649-21-12	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 60'-40'	EA	1	$88,432.00	$88,432.00
105	0649-21-13	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 60'-50'	EA	1	$91,160.00	$91,160.00
106	0649-21-14	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 60'-60'	EA	1	$97,018.00	$97,018.00
107	0649-21-15	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 70'	EA	1	$73,862.00	$73,862.00
108	0649-21-16	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 70'-30'	EA	1	$94,002.00	$94,002.00
109	0649-21-17	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 70'-40'	EA	1	$95,017.00	$95,017.00
110	0649-21-18	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 70'-50'	EA	1	$97,745.00	$97,745.00
111	0649-21-19	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 70'-60'	EA	1	$105,685.00	$105,685.00
112	0649-21-2	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 30'-30'	EA	1	$74,359.00	$74,359.00
113	0649-21-20	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 70'-70'	EA	1	$107,851.00	$107,851.00
114	0649-21-21	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 78'	EA	1	$78,437.00	$78,437.00
115	0649-21-22	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 78'-30'	EA	1	$96,016.00	$96,016.00
116	0649-21-23	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 78'-40'	EA	1	$103,193.00	$103,193.00
117	0649-21-24	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 78'-50'	EA	1	$105,920.00	$105,920.00
118	0649-21-25	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 78'-60'	EA	1	$107,569.00	$107,569.00
119	0649-21-26	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 78'-70'	EA	1	$111,137.00	$111,137.00
120	0649-21-27	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 78'-78'	EA	1	$115,988.00	$115,988.00
121	0649-21-3	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, SINGLE ARM 40'	EA	1	$51,250.00	$51,250.00

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Traffic Control Devises, LLC						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
122	0649-21-4	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 40'-30'	EA	1	$75,372.00	$75,372.00
123	0649-21-5	STEEL MAST ARM ASSEMBLY, FURNISH AND INSTALL, DOUBLE ARM 40'- 40'	EA	1	$79,181.00	$79,181.00
124	0649-23-1	STEEL MAST ARM ASSEMBLY, INSTALL/RELOCATE TO EXISTING FOUNDATION	EA	1	$8,195.00	$8,195.00
125	0649-23-2	STEEL MAST ARM ASSEMBLY, INSTALL/RELOCATE TO NEW/CONTRACTOR PROVIDED FOUNDATION	EA	1	$42,535.00	$42,535.00
126	0649-25-6	STEEL MAST ARM ASSEMBLY, REPLACE ARM ON EXISTING POLE, 50'	EA	1	$15,807.00	$15,807.00
127	0649-25-10	STEEL MAST ARM ASSEMBLY, REPLACE ARM ON EXISTING POLE, 60'	EA	1	$17,206.00	$17,206.00
128	0649-26 -3	STEEL MAST ARM ASSEMBLY, REMOVE SHALLOW FOUNDAION-BOLT ON ATTACHEMENT	EA	1	$2,925.00	$2,925.00
129	0649-26 -5	STEEL MAST ARM ASSEMBLY, REMOVE DEEP FOUNDAION-BOLT ON ATTACHEMENT	EA	1	$4,153.00	$4,153.00
130	0649-26 -7	STEEL MAST ARM ASSEMBLY, REMOVE, REMOVE ARM AND ATTACHMENTS; POLE REMAINS	EA	1	$1,698.00	$1,698.00
131	0649-26-1	STEEL MAST ARM ASSEMBLY, REMOVE, POLE ONLY- ENTIRE FOUNDATION REMAINS	EA	1	$2,264.00	$2,264.00
132	0650-1-14	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 1 WAY	EA	20	$1,986.00	$39,720.00
133	0650-1-11	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 1 SECTION, 1 WAY	EA	1	$1,237.00	$1,237.00
134	0650-1-12	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 1 SECTION, 2-4 WAY	EA	1	$3,151.00	$3,151.00
135	0650-1-13	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 2 SECTION, 1-2 WAYS	EA	1	$1,784.00	$1,784.00
136	0650-1-15	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 3 SECTION, 2-4 WAYS	EA	5	$5,934.00	$29,670.00
137	0650-1-16	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 4 SECTION, 1 WAY	EA	5	$2,438.00	$12,190.00
138	0650-1-18	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	EA	1	$3,152.00	$3,152.00
139	0650-1-19	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION CLUSTER, 1 WAY	EA	5	$3,152.00	$15,760.00
140	0650-1-44	VEHICULAR TRAFFIC SIGNAL,FURNISH & INSTALL PROGRAMMABLE 3 SECTION, 1 WAY	AS	1	$7,499.00	$7,499.00
141	0650-1-46	VEHICULAR TRAFFIC SIGNAL,FURNISH & INSTALL PROGRAMMABLE 4 SECTION, 1 WAY	AS	1	$8,431.00	$8,431.00
142	0650-1-50	VEHICULAR TRAFFIC SIGNAL, INSTALL	AS	10	$536.00	$5,360.00
143	0650-1-51	VEHICULAR TRAFFIC SIGNAL, INSTALL ALUMINUM, 1 SECTION, 1 WAY	AS	1	$179.00	$179.00
144	0650-1-52	VEHICULAR TRAFFIC SIGNAL,INSTALL ALUMINUM, 1 SECTION, 2 WAY	AS	1	$536.00	$536.00
145	0650-1-54	VEHICULAR TRAFFIC SIGNAL, INSTALL ALUMINUM, 3 SECTION, 1 WAY	AS	20	$357.00	$7,140.00
146	0650-1-55	VEHICULAR TRAFFIC SIGNAL, INSTALL ALUMINUM, 3 SECTION, 2 WAYS	AS	1	$625.00	$625.00
147	0650-1-56	VEHICULAR TRAFFIC SIGNAL, INSTALL ALUMINUM, 4 SECTION, 1 WAY	AS	2	$446.00	$892.00
148	0650-1-58	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION STRAIGHT, 1 WAY	AS	1	$3,152.00	$3,152.00
149	0650-1-59	VEHICULAR TRAFFIC SIGNAL, FURNISH & INSTALL ALUMINUM, 5 SECTION CLUSTER, 1 WAY	AS	1	$3,152.00	$3,152.00
150	0650-1-60	VEHICULAR TRAFFIC SIGNAL REMOVE	AS	2	$89.50	$179.00
151	0650-1-70	VEHICULAR TRAFFIC SIGNAL RELOCATE-INCLUDES REMOVAL AND RELOCATION	AS	2	$536.00	$1,072.00
152	0650-1-80	VEHICULAR TRAFFIC SIGNAL ADJUST/MODIFY EXISTING SIGNAL	AS	1	$268.00	$268.00
153	0650-2-102	VEHICULAR SIGNAL AUXILIARIES, REPAIR/REPLACE/RETROFIT-FURNISH & INSTALL, BACKPLATE-BLACK WITH REFLECTIVE BORDER	EA	10	$460.00	$4,600.00

ESC-0006-23 Traffic Signal Unit Price Construction - Countywide - Re-Bid
Bid Tabulation

Traffic Control Devises, LLC						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
154	0653-1-11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	10	$1,112.00	$11,120.00
155	0653-1-12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	10	$1,836.00	$18,360.00
156	0653-1-31	PEDESTRIAN SIGNAL, INSTALL LED COUNTDOWN, 1 WAY	AS	10	$276.00	$2,760.00
157	0653-1-32	PEDESTRIAN SIGNAL, INSTALL LED COUNTDOWN, 2 WAYS	AS	10	$633.00	$6,330.00
158	0653-1-40	PEDESTRIAN SIGNAL, RELOCATE	AS	2	$446.00	$892.00
159	0653-1-60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN	AS	2	$44.50	$89.00
160	0654-2-11	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- AC POWERED, COMPLETE ASSEMBLY- SINGLE DIRECTION	AS	2	$9,863.00	$19,726.00
161	0654-2-12	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- AC POWERED, COMPLETE ASSEMBLY- BACK TO BACK	AS	2	$11,812.00	$23,624.00
162	0654-2-17	MIDBLOCK CROSSWALK: RECTANGULAR RAPID FLASHING BEACON, FURNISH/INSTALL- AC, SIGN ASSY- SINGLE DIR ACCESSIBLE DETECTOR	AS	1	$10,142.00	$10,142.00
163	0654-2-18	MIDBLOCK CROSSWALK: REC RAPID FLASHING BEACON, FURNISH/INSTALL- AC, SIGN ASSEMBLY- BACK-BACK ACCESSIBLE DETECTOR	AS	1	$12,666.00	$12,666.00
164	0654-2-21	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR POWERED, COMPLETE ASSEMBLY- SINGLE DIRECTION	AS	2	$13,280.00	$26,560.00
165	0654-2-22	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- SOLAR POWERED, COMPLETE ASSEMBLY- BACK TO BACK	AS	2	$15,227.00	$30,454.00
166	0654-2-27	MIDBLOCK CROSSWALK: REC RAPID FLASHING BEACON, FURNISH/INSTALL- SOLAR, SIGN ASSEMBLY- SINGLE DIR ACCESSIBLE DETECTOR	AS	1	$13,991.00	$13,991.00
167	0654-2-28	MIDBLOCK CROSSWALK: REC RAPID FLASHING BEACON, FURNISH/INSTALL- SOLAR, SIGN ASSEMBLY- BACK-BACK ACCESSIBLE DETECTOR	AS	1	$15,919.00	$15,919.00
168	0654-2-30	RECTANGULAR RAPID FLASHING BEACON, INSTALL COMPLETE ASSEMBLY	AS	2	$4,032.00	$8,064.00
169	0654-2-40	RECTANGULAR RAPID FLASHING BEACON, RELOCATE COMPLETE ASSEMBLY	AS	1	$5,304.00	$5,304.00
170	0654-2-50	MIDBLOCK CROSSWALK: RECTANGULAR RAPID FLASHING BEACON, ADJUST/MODIFY	AS	1	$893.00	$893.00
171	0654-2-60	MIDBLOCK CROSSWALK: RECTANGULAR RAPID FLASHING BEACON, REMOVE COMPLETE SIGN ASSEMBLY	AS	1	$1,272.00	$1,272.00
172	0654-2-500	RECTANGULAR RAPID FLASHING BEACON, FURNISH & INSTALL- MAST ARM MOUNTED COMPLETE ASSEMBLY- SINGLE DIRECTION	AS	1	$6,721.00	$6,721.00
173	0654-3-10	MIDBLOCK CROSSWALK: PEDESTRIAN HYBRID BEACON ASSEMBLY, FURNISH & INSTALL COMPLETE ASSEMBLY	AS	1	$5,009.00	$5,009.00
174	0654-3-40	MIDBLOCK CROSSWALK: PEDESTRIAN HYBRID BEACON ASSEMBLY, RELOCATE	AS	1	$1,785.00	$1,785.00
175	0654-3-60	MIDBLOCK CROSSWALK: PEDESTRIAN HYBRID BEACON ASSEMBLY, REMOVE	AS	1	$536.00	$536.00

ESC-0006-23 Traffic Signal Unit Price Construction - Countywide - Re-Bid
Bid Tabulation

Traffic Control Devises, LLC						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
176	0660-1-104	LOOP DETECTOR INDUCTIVE, TYPE 4, F&I	EA	2	$297.00	$594.00
177	0660-1-110	LOOP DETECTOR INDUCTIVE, TYPE 10, F&I	EA	2	$297.00	$594.00
178	0660-1-300	LOOP DETECTOR INDUCTIVE, INSTALL	EA	2	$87.00	$174.00
179	0660-2-102	LOOP ASSEMBLY, F&I, TYPE B	AS	20	$1,370.00	$27,400.00
180	0660-2-103	LOOP ASSEMBLY, F&I, TYPE C	AS	1	$1,500.00	$1,500.00
181	0660-2-106	LOOP ASSEMBLY, F&I, TYPE F	AS	20	$1,416.00	$28,320.00
182	0660-3-11	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL CABINET EQUIPMENT	EA	1	$10,494.00	$10,494.00
183	0660-3-12	VEHICLE DETECTION SYSTEM- MICROWAVE, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	1	$10,861.00	$10,861.00
184	0660-3-31	VEHICLE DETECTION SYSTEM- MICROWAVE, INSTALL- FDOT FURNISHED CABINET EQUIPMENT	EA	2	$1,303.00	$2,606.00
185	0660-3-32	VEHICLE DETECTION SYSTEM- MICROWAVE, INSTALL- FDOT FURNISHED, ABOVE GROUND EQUIPMENT	EA	2	$662.00	$1,324.00
186	0660-3-60	VEHICLE DETECTION SYSTEM - MICROWAVE, REMOVE, COMPLETE SYSTEM	EA	1	$1,062.00	$1,062.00
187	0660-4-0	VEHICLE DETECTION SYSTEM- VIDEO, REMOVE	EA	1	$1,062.00	$1,062.00
188	0660-4-11	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL CABINET EQUIPMENT	EA	1	$19,929.00	$19,929.00
189	0660-4-12	VEHICLE DETECTION SYSTEM- VIDEO, FURNISH & INSTALL ABOVE GROUND EQUIPMENT	EA	1	$9,289.00	$9,289.00
190	0660-4-42	VEHICLE DETECTION SYSTEM- VIDEO, RELOCATE ABOVE GROUND EQUIPMENT	EA	1	$1,406.00	$1,406.00
191	0660-6-121	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, CABINET EQUIPMENT	EA	2	$8,966.00	$17,932.00
192	0660-6-122	VEHICLE DETECTION SYSTEM- AVI, BLUETOOTH, FURNISH & INSTALL, ABOVE GROUND EQUIPMENT	EA	2	$1,483.00	$2,966.00
193	0660-6-600	VEHICLE DETECTION SYSTEM- AVI, REMOVE COMPLETE SYSTEM	EA	1	$1,052.00	$1,052.00
194	0663-1-120	SIGNAL PRIORITY AND PREEMPTION SYSTEM, F&I, GPS, COMPLETE SYSTEM	EA	1	$19,071.00	$19,071.00
195	0663-1-400	SIGNAL PRIORITY & PREEMPTION SYSTEM, RELOCATE	EA	1	$1,539.00	$1,539.00
196	0663-1-600	SIGNAL PRIORITY & PREEMPTION SYSTEM, REMOVE	EA	1	$536.00	$536.00
197	0665-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	20	$462.00	$9,240.00
198	0665-1-30	PEDESTRIAN DETECTOR, INSTALL, COJ FURNISHED	EA	20	$91.00	$1,820.00
199	0665-1-60	PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN	EA	20	$44.50	$890.00
200	0670-4-1	INTERSECTION CONTROL BEACON CONTROLLER ASSEMBLY, FURNISH & INSTALL	AS	1	$2,996.00	$2,996.00
201	0670-5-110	TRAFFIC CONTROLLER ASSEMBLY, F&I, WITH FOUNDATION, NEMA	AS	2	$41,259.00	$82,518.00
202	0670-5-111	TRAFFIC CONTROLLER ASSEMBLY, F&I, WITH FOUNDATION, NEMA, 1 PREEMPTION	AS	1	$41,259.00	$41,259.00
203	0670-5-112	TRAFFIC CONTROLLER ASSEMBLY, F&I, WITH FOUDATION, NEMA, 2 PREEMPTION	AS	2	$41,259.00	$82,518.00
204	0670-5-310	TRAFFIC CONTROLLER ASSEMBLY, INSTALL WITHOUT FOUNDATION,NEMA	AS	1	$2,639.00	$2,639.00
205	0670-5-311	TRAFFIC CONTROLLER ASSEMBLY,INSTALL, NEMA, 1 PREEMPTION	AS	1	$4,862.00	$4,862.00
206	0670-5-320	TRAFFIC CONTROLLER ASSEMBLY, INSTALL WITHOUT FOUNDATION, MODEL 170	AS	1	$2,639.00	$2,639.00

ESC-0006-23 Traffic Signal Unit Price Construction - Countywide - Re-Bid
Bid Tabulation

Traffic Control Devises, LLC						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
207	0670-5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	2	$869.00	$1,738.00
208	0670-5-600	TRAFFIC CONTROLLER ASSEMBLY, REMOVE CONTROLLER WITH CABINET & FOUNDATION	AS	2	$1,258.00	$2,516.00
209	0682-1-113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE - PRESSURIZED, IP, HIGH DEFINITION	EA	1	$6,420.00	$6,420.00
210	0682-1-133	ITS CCTV CAMERA, F&I, DOME ENCLOSURE - NON-PRESSURIZED, IP, HIGH DEFINITION	EA	1	$6,420.00	$6,420.00
211	0682-1-400	ITS CCTV CAMERA, RELOCATE	EA	1	$3,400.00	$3,400.00
212	0684-1-1	MANAGED FIELD ETHERNET SWITCH, FURNISH & INSTALL	EA	20	$3,440.00	$68,800.00
213	0684-1-6	MANAGED FIELD ETHERNET SWITCH, REMOVE- CABINET TO REMAIN	EA	1	$557.00	$557.00
214	0684-2-1	DEVICE SERVER, FURNISH & INSTALL	EA	2	$1,390.00	$2,780.00
215	0684-2-3	DEVICE SERVER, INSTALL	EA	2	$420.00	$840.00
216	0684-6-11	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET ACCESS POINT	EA	2	$1,824.00	$3,648.00
217	0684-6-12	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL ETHERNET SUBSCRIBER UNIT	EA	2	$1,824.00	$3,648.00
218	0684-6-13	WIRELESS COMMUNICATION DEVICE, FURNISH & INSTALL SERIAL DATA UNIT	EA	2	$4,748.00	$9,496.00
219	0684-6-30	WIRELESS COMMUNICATION DEVICE, INSTALL	EA	2	$1,684.00	$3,368.00
220	0684-6-40	WIRELESS COMMUNICATION DEVICE, RELOCATE	EA	2	$2,210.00	$4,420.00
221	0684-6-60	WIRELESS COMMUNICATION DEVICE, REMOVE	EA	2	$631.00	$1,262.00
222	0685-106	SYSTEM AUXILIARIES, F&I, UNINTERRUPTIBLE POWER SOURCE	EA	10	$15,673.00	$156,730.00
223	0700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	1	$699.00	$699.00
224	0700-1-12	SINGLE POST SIGN, F&I GROUND MOUNT, 12-20 SF	AS	1	$4,466.00	$4,466.00
225	0700-1-13	SINGLE POST SIGN, F&I GROUND MOUNT, 21-30 SF	AS	1	$5,385.00	$5,385.00
226	0700-1-14	SINGLE POST SIGN, F&I GROUND MOUNT, 31+ SF	AS	1	$6,064.00	$6,064.00
227	0700-1-40	SINGLE POST SIGN, INSTALL	AS	1	$4,665.00	$4,665.00
228	0700-1-50	SINGLE POST SIGN, RELOCATE	AS	1	$4,748.00	$4,748.00
229	0700-1-60	SINGLE POST SIGN, REMOVE	AS	1	$83.50	$83.50
230	0700-12-11	SIGN BEACON, F&I GROUND MOUNT- AC POWERED, ONE BEACON	AS	1	$11,120.00	$11,120.00
231	0700-12-12	SIGN BEACON, F&I GROUND MOUNT- AC POWERED, TWO BEACONS	AS	1	$11,920.00	$11,920.00
232	0700-12-21	SIGN BEACON, F&I GROUND MOUNT- SOLAR POWERED, ONE BEACON	AS	1	$14,053.00	$14,053.00
233	0700-12-22	SIGN BEACON, F&I GROUND MOUNT- SOLAR POWERED, TWO BEACONS	AS	1	$14,698.00	$14,698.00
234	0700-12-31	SIGN BEACON, F&I OVERHEAD MOUNT, ONE BEACON	AS	1	$8,688.00	$8,688.00
235	0700-12-32	SIGN BEACON, F&I OVERHEAD MOUNT, TWO BEACONS	AS	1	$14,400.00	$14,400.00
236	0700-12-50	SIGN BEACON, RELOCATE BEACON- SIGN TO REMAIN	AS	1	$700.00	$700.00
237	0700-12-60	SIGN BEACON, REMOVE BEACON- SIGN TO REMAIN	AS	1	$700.00	$700.00
238	0700-11-111	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- AC POWERED, ELECTRONIC WARNING SIGN, UP TO 12 SF	AS	1	$19,064.00	$19,064.00

ESC-0006-23 Traffic Signal Unit Price Construction - Countywide - Re-Bid
Bid Tabulation

Traffic Control Devises, LLC						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
239	0700-11-112	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- AC POWERED, ELECTRONIC WARNING SIGN, 12-20 SF	AS	1	$20,093.00	$20,093.00
240	0700-11-113	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- AC POWERED, ELECTRONIC WARNING SIGN, 21-30 SF	AS	1	$21,430.00	$21,430.00
241	0700-11-121	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- AC POWERED, ELECTRONIC REGULATORY SIGN, UP TO 12 SF	AS	1	$20,552.00	$20,552.00
242	0700-11-122	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- AC POWERED, ELECTRONIC REGULATORY SIGN, 12-20 SF	AS	1	$21,671.00	$21,671.00
243	0700-11-123	ELECTRONIC DISPLAY SIGN, FURNISH & INSTALL GROUND MOUNT- AC POWERED, ELECTRONIC REGULATORY SIGN, 21-30 SF	AS	1	$22,651.00	$22,651.00
244	0700-11-600	ELECTRONIC DISPLAY SIGN, REMOVE- GROUND MOUNT	AS	2	$1,272.00	$2,544.00
245	0700-3-201	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	2	$826.00	$1,652.00
246	0700-3-202	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 12-20 SF	EA	2	$1,187.00	$2,374.00
247	0700-3-203	SIGN PANEL, FURNISH & INSTALL OVERHEAD MOUNT, 21-30 SF	EA	2	$1,820.00	$3,640.00
248	0700-3-401	SIGN PANEL, INSTALL OVERHEAD MOUNT, UP TO 12 SF	EA	2	$312.00	$624.00
249	0700-3-402	SIGN PANEL, INSTALL OVERHEAD MOUNT, 12-20 SF	EA	2	$357.00	$714.00
250	0700-3-403	SIGN PANEL, INSTALL OVERHEAD MOUNT, 21-30 SF	EA	2	$491.00	$982.00
251	0700-3-501	SIGN PANEL, RELOCATE, UP TO 12 SF	EA	2	$521.00	$1,042.00
252	0700-3-502	SIGN PANEL, RELOCATE, 12-20 SF	EA	2	$863.00	$1,726.00
253	0700-3-601	SIGN PANEL, REMOVE, UP TO 12 SF	EA	2	$179.00	$358.00
254	0700-3-602	SIGN PANEL, REMOVE, 12-20 SF	EA	2	$357.00	$714.00
255	0700-5-11	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL GROUND MOUNT, UP TO 12 SF	EA	1	$6,858.00	$6,858.00
256	0700-5-22	INTERNALLY ILLUMINATED SIGN, FURNISH & INSTALL, OVERHEAD MOUNT, 12-18 SF	EA	2	$8,581.00	$17,162.00
257	0700-5-50	INTERNALLY ILLUMINATED SIGN, RELOCATE	EA	2	$448.00	$896.00
258	0700-5-60	INTERNALLY ILLUMINATED SIGN, REMOVE	EA	2	$268.00	$536.00
259	0715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO.8 - 6	LF	100	$2.65	$265.00
260	0715-1-13	LIGHTING CONDUCTORS, F&I, INSULATED, NO 4 TO NO 2	LF	100	$4.00	$400.00
261	0715-21-1	LIGHTING REPAIRS- ELECTRICAL WORK	LS/LS	1	$6,447.00	$6,447.00
262	0715-21-2	LIGHTING REPAIRS AND RETROFITS, LED RETROFIT KIT FOR EXISTING LUMINAIRE	EA	1	$9,228.00	$9,228.00
263	0715-4-121	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 40' MOUNTING HEIGHT	EA	2	$11,489.00	$22,978.00
264	0715-4-60	LIGHT POLE COMPLETE, RELOCATE	EA	2	$6,038.00	$12,076.00
265	0715-4-601	LUMINAIRE & BRACKET ARM, F&I, ALUMINUM	EA	2	$2,069.00	$4,138.00

ESC-0006-23 Traffic Signal Unit Price Construction - Countywide - Re-Bid
Bid Tabulation

Traffic Control Devises, LLC						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
266	0715-4-602	LUMINAIRE & BRACKET ARM, REMOVE	EA	1	$446.00	$446.00
267	0715-4-11	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 30' MOUNTING HEIGHT	EA	2	$10,508.00	$21,016.00
268	0715-4-12	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 35' MOUNTING HEIGHT	EA	2	$10,999.00	$21,998.00
269	0715-4-14	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 45' MOUNTING HEIGHT	EA	2	$11,489.00	$22,978.00
270	0715-4-15	LIGHT POLE COMPLETE, FURNISH & INSTALL STANDARD POLE STANDARD FOUNDATION, 50' MOUNTING HEIGHT	EA	2	$11,980.00	$23,960.00
271	0715-4-50	LIGHT POLE COMPLETE, INSTALL	EA	2	$5,192.00	$10,384.00
272	0715-4-70	LIGHT POLE COMPLETE, REMOVE POLE AND FOUNDATION	EA	2	$846.00	$1,692.00
273	0715-4-71	LIGHT POLE COMPLETE, REMOVE POLE, FOUNDATION REMAINS	EA	2	$564.00	$1,128.00
MISCELANEOUS						
274		FURNISH & INSTALL PIVOTAL HANGER ASSEMBLY ON EXISTING SIGNAL	EA	10	$1,739.00	$17,390.00
275		FURNISH & INSTALL PIVOTAL HANGER ASSEMBLY ON NEW INSTALLATION	EA	10	$1,739.00	$17,390.00
276		F&I DOWN GUY TO EXIST CONCRETE POLE INCL ANCHOR	EA	2	$776.00	$1,552.00
277		LEVEL REPAIR EXISTING CONTROLLER CABINET ASSEMBLY INCLUDING ANY CONCRETE & CONDUIT REPAIRS	EA	1	$1,691.00	$1,691.00
278		MODIFY EXISTING BASE, (WIDEN) TO FIT A CLASS 5 NAZTEC CABINET INCLUDING ADDING CONDUITS	EA	1	$1,869.00	$1,869.00
279		EXPLORATORY DIG FOR POLE PLACEMENT	PI	1	$1,841.00	$1,841.00
280		ADJUST LOW HANGING SIGNAL HEADS, INC TIGHTENING, SPANS, RAISE ATT POINTS, ADJ SIGNALS AND CABLE	PI	1	$1,102.00	$1,102.00
281		FURNISH & INSTALL DOWN GUYING EXISTING CONCRETE STRAIN POLE, RERAKING, EXCAVATING AND CONCRETE BASE WORK AS NEEDED	EA	2	$776.00	$1,552.00
282		F& I LOOP LEAD IN	LF	200	$1.75	$350.00
CONSTRUCT MAST ARMS FOUNDATION INCL. ALL CONCRETE, STEEL & ANCHORS ITEMS 287-295						
283		42" X 10" - 14'	LF	1	$1,097.00	$1,097.00
284		42" X 14.1' - 21'	LF	1	$1,097.00	$1,097.00
285		42" X 21.1' - 28'	LF	1	$1,097.00	$1,097.00
286		48" X 10'-14'	LF	1	$1,348.00	$1,348.00
287		48" X 14'1" - 21'	LF	1	$1,348.00	$1,348.00
288		54" X 10'-14'	LF	1	$1,512.00	$1,512.00

ESC-0006-23 Traffic Signal Unit Price Construction - Countywide - Re-Bid
Bid Tabulation

Traffic Control Devises, LLC						
Item	Pay Item	Description	Unit	Est. Qty.	Unit Cost	Total Cost
289		54" X 14'1" - 21'	LF	1	$1,512.00	$1,512.00
290		60" X 10'-14'	LF	1	$1,682.00	$1,682.00
291		60" X 14'1" - 21'	LF	1	$1,682.00	$1,682.00
				TOTAL COST (ITEMS 1-291):		$5,381,071.55

REQUEST FOR PROPOSAL

Traffic Signal Unit Price Construction – Countywide – Re-Bid
ECS-0006-23
For
Traffic Engineering
And
City of Jacksonville, Florida

SECTION 1
(Specific Information Regarding this RFP)

1.1 Introduction.

The City of Jacksonville ("**Buyer**") intends to hire up to three (3) firms ("**Contractor**") to provide the services described in Section 1.2 of this Request for Proposal ("**RFP**"). Persons interested in submitting a response to this RFP (a "**Response**") should carefully review this RFP for instructions on how to respond and for the applicable contractual terms. This RFP is divided into the following sections:

Section 1	Specific Information Regarding This RFP
Section 2	General Instructions
Section 3	General Terms and Conditions of Agreement
Section 4	Description of Services (if referenced in Section 1.2 below)
Section 5	Exhibits, if applicable
Attachment A	Response Format
Attachment B	Evaluation Matrix
Attachment C	Equal Business Opportunity Program Requirements
Attachment D	Sample Contract
Attachment E	Disqualified/Probationary Suppliers List
Attachment F	Federal Funding Provisions (if applicable under Section 1.7 below)
Attachment G	Indemnification
Attachment H	Insurance Requirements
Attachment I	Protest Procedures
Attachment J	Bid Bond
Attachment K	Performance Bond
Attachment L	Payment Bond
Form 1 -	Price Sheet
Form 2 -	Conflict of Interest Certificate
Form 3 -	Insurance Agent Acknowledgement Form
Form 4 -	No Bid Survey
Exhibit A	CIP Terms and Conditions
Exhibit B	Traffic Signal Equipment Preferences

In the event of conflicting provisions, the following sections of this RFP will have priority in the order listed: Section 1, Section 4, Section 2, Section 3, the Attachments, and the Forms.

1.2 Scope of Services.

The services sought under this RFP are generally described as follows:

The Buyer intends to solicit proposals for Traffic Signal Unit Price Construction – Countywide – Re-Bid from qualified contractors. The work covered by these specifications consists of furnishing all labor, materials, and equipment; and performing all operations necessary for the construction of Traffic Signal Unit Price Construction – Countywide – Re-Bid as specified in the Contract Documents. The work will consist of the construction of traffic control devices or the replacement of defective, obsolete, or damaged traffic control devices. This includes, but not limited to, the installation of concrete signal poles, installation of span wire, mast arms, traffic signal head

assemblies, control cabinets, vehicle detection loops, interconnect conduit and/or fiber optic cable including terminations, signal cables, electrical power services, and installation of overhead and shoulder mounted traffic control signs. The unit price description of each work effort will specify whether the work to be performed will be done with material or equipment that is supplied by the City or supplied by the contractor. All conduit, loop wire, signal cable and span wire will be provided by the contractor.

Specific project locations and designs will not be known at the time of letting and will be determined during project development. The City will issue no more than three (3) work orders at a time, to each contractor. The City will issue work orders based on satisfactory completion and acceptance of work completed. The City and its staff will be responsible for providing a signal design package to the Contractor for each location through a work order. During the design phase of each work order, the Contractor will attend field meetings with the designer, including a design kickoff meeting and utility coordination meeting. Upon completion of the design, the Contractor will be provided a traffic signal design package for each individual location which will include the applicable pay items and quantities, and plan drawing. The City reserves the right to select and distribute work to be performed.

Please see Section 4 for a full description of the services and deliverables required under this RFP.

1.3 Term of Agreement.

The initial term of agreement will commence upon execution of the Contract and will continue for one (1) year. Buyer will have the option to renew such agreement for up to **three (3)** additional **one (1)** year terms upon satisfactory performance by Contractor. The Contract is subject to early termination as set forth elsewhere in this RFP.

1.4 Minimum Requirements for Contractors.

Contractors must satisfy the following minimum requirements in order to have their Responses evaluated. By submitting a Response, Contractor warrants and represents that it satisfies these requirements. Failure to meet these requirements will result in the Response not being evaluated and being rejected as non-responsive:

1. Contractor shall provide current proof of all business licenses required by local, state, and federal law as applicable.
2. Must be pre-approved by the Florida Department of Transportation (FDOT) under the "Traffic Signal" work classification at the time of bid opening.

1.5 Equal Business Opportunity Program.

It is an official policy of the City of Jacksonville to encourage the maximum participation of Jacksonville Small and Emerging Businesses (JSEBs) in its contract awards based upon availability. To participate as a JSEB on Buyer projects, a company must be certified as a JSEB with the City's Equal Business Opportunity Office.

This RFP and the resulting Contract are subject to requirements of the "Encouragement Plan," which is fully described on Attachment C to this RFP.

Contractors may contact Buyer's Equal Business Opportunity Office at (904) 255-8840 or find the JSEB directory on Buyer's website. Please contact the Contact Person identified in Section 1.12 if you are uncertain of Buyer's website address or if you experience problems accessing it.

1.6 Documents Available for Inspection.

N/A.

1.7 Federal Funds.

Federal funds **will not** be used as part of this solicitation.

1.8 Mandatory Pre-Bid Meeting.

Wednesday, **November 16, 2022** at **10:00 a.m.** at the Ed Ball Building, 214 N. Hogan Street, Room 825 (8th floor), Jacksonville, Florida 32202.

All copies are to be placed in a sealed package. The outside must be marked with (i) the RFP title and number, and (ii) Contractor's name, address, contact person, and telephone number.

It is the sole responsibility of each Contractor to assure all copies are EXACT duplicates of the original Response. Photocopies or CD copies will be used for the purpose of evaluating the Responses. Any information contained in the original Response which has not been transferred to the CDs or photocopies will NOT be considered. The original document will be used solely for official record keeping and auditing purposes.

2.5 Evaluation of Responses.

A. Buyer will determine the qualifications, interest and availability of Contractors by reviewing all Responses and, when deemed necessary in the sole discretion of Buyer, by conducting formal interviews of selected Contractors.

B. Before making an award, Buyer reserves the right to seek clarifications, revisions, and information it deems necessary for the proper evaluation of Responses. Failure to provide any requested clarifications, revisions or information may result in rejection of the Response.

C. Buyer reserves the right to accept or reject any and all Responses, or separable portions thereof, and to waive any minor irregularity, technicality, or omission if Buyer determines that doing so will serve Buyer's best interests. Buyer may reject any Response not submitted in the manner specified by the RFP.

D. Upon review and scoring of the proposals, the Buyer intends to award to the two (2) the highest scoring, responsive, responsible bidders.

2.6 Award of Contract.

A. The process for contract award is set forth in Jacksonville Ordinance Code Sections 126.204. Generally, Buyer will award the Contract to the responsible and responsive proposer whose Response is determined in writing to be the most advantageous to the City of Jacksonville, based solely on the relative importance assigned to price and of the criteria set forth in Attachment B. The award may be contingent on the outcome of direct negotiations under Section 126.201(d)(4) and 126.201(n), *Ordinance Code.* If an agreement cannot be reached with the highest ranked Contractor, Buyer reserves the right to make an award to the next highest ranked Contractor or subsequent Contractor(s) until an agreement is reached.

B. Buyer may make an award within sixty (60) days after the date the Responses are due, during which period the Responses shall remain firm and shall not be withdrawn. Any Response that expresses a shorter duration may, in Buyer's sole discretion, be accepted or rejected. If award is not made within sixty (60) days, the Response shall remain firm until either the Contract is awarded or Buyer receives from Contractor written notice that the Response is withdrawn. [Note: Withdrawal of a Response may be requested within 72 hours (excluding State holidays, Saturdays and Sundays) after the date and time Responses are due. Buyer will not accept an amended Response after the date and time Responses are due.]

C. Except as may otherwise be expressly set forth in the RFP, Buyer intends to award one contract, but reserves the right to enter into a contract with multiple Contractors or to reject all Responses.

D. Based on the evaluation results, Buyer shall electronically post a notice of intended award at Buyer's website. Please contact the Contact Person if you are uncertain of Buyer's website address or if you experience problems accessing it. Any person who is adversely affected by the decision shall file with Buyer a notice of protest in accordance with the Protest provisions of the RFP. Buyer does not intend to provide tabulations or notices of award by telephone.

2.7 Terms of Agreement. After award to the successful Contractor, Buyer and Contractor will promptly enter into a written agreement (the "Contract") incorporating the terms of the RFP, the successful Response, and other terms and conditions as may be agreed to between the parties. To the extent the Response contains exceptions to or modifications of the RFP, such exceptions or modifications are stricken unless Buyer affirmatively accepts the exceptions or modifications in the Contract. The Contract will be substantially in the form set forth in an

Section 4
Description of Services and Deliverables

4.1 Scope.
The work covered by these specifications consists of furnishing all labor, materials, and equipment; and performing all operations necessary for the construction of Traffic Signal Unit Price Construction – Countywide – Re-Bid as specified in the Contract Documents. The work will consist of the construction of traffic control devices or the replacement of defective, obsolete, or damaged traffic control devices. This is including but not limited to the installation of concrete signal poles, installation of span wire, mast arms, traffic signal head assemblies, control cabinets, vehicle detection loops, interconnect conduit and/or fiber optic cable including terminations, signal cables, electrical power services, and installation of overhead and shoulder mounted traffic control signs. The unit price description of each work effort will specify whether the work to be performed will be done with material or equipment that is supplied by the City of supplied by the contractor. All conduit, loop wire, signal cable and span wire will be provided by the contractor. Mobilization and maintenance of traffic are to be included in the unit price. If questions arise regarding pay items, please refer to FDOT BOE first. The City will not pay for stored materials.

Specific project locations and designs will not be known at the time of letting and will be determined during project development. The City will issue no more than three (3) work orders at a time, to each contractor. The City will issue work orders based on satisfactory completion and acceptance of work completed. The City and its staff will be responsible for providing a signal design package to the Contractor for each location through a work order. During the design phase of each work order the Contractor will attend field meetings with the designer, including a design kickoff meeting and utility coordination meeting. Upon completion of the design, the Contractor will be provided a traffic signal design package for each individual location which will include the applicable pay items and quantities, and plan drawing. The City reserves the right to select and distribute work to be performed.

4.2 Location.
This project is located within the limits of the City of Jacksonville, Florida and confined to the publicly owned right-of-way easements or properties associated with each project site. The sites or roadway segments are at various locations throughout the city. The City reserves the right to add or delete sites or roadways from the project as needed. It is anticipated that some sites or roadways will be along an identified corridor or within an area or zone; therefore, the Contractor may be able to work concurrently at several locations.

4.3 Intent.
It is the intent of these Contract Documents to establish in advance of issuing a purchase order, the Contract Unit Price for all items or work and materials which may be needed to construct traffic signals, or other such work as required by the City; such items which will be described in a work order and will be used to determine compensation for all work covered by the purchase order. These specifications are intended to establish the standard construction methods and criteria necessary for completion of the work including but not limited to:

1. Pavement Construction
2. Earthwork
3. Maintenance of Traffic
4. Traffic Signalization
5. Signing and Pavement Marking
6. Sodding

It is not the intent of these Contract Documents to minutely define the mode and fabric of construction of this project, but rather to set forth reasonable and rational criteria for the construction thereof.

4.4 Budget and Quantity of Work.
The quantity of work to be performed on this project will be determined by the City and specified in each purchase order. Incidental or emergency work such as pole replacement, cabinet replacement, or replacement of damaged signal equipment may be required. However, the City does not guarantee a minimum amount of work to be awarded.

The quantities of work indicated in the proposal or the budget amount in these or any City document are not considered either a minimum or maximum amount of work to be performed but do represent the best estimate of the work expected to be awarded and performed by this project.