

MANATEE COUNTY GOVERNMENT

INTENT TO AWARD

SUBJECT	US301 and Ft. Hamer Road Signalization	DATE POSTED	MC <u>9/21/15</u> ✓ SE DS <u>9/21/15</u> ✓ SE CC <u>N/A</u>
PURCHASING REPRESENTATIVE	Deborah Carey-Reed, 941/749-3074	DATE CONTRACT SHALL BE AWARDED	Seven days after date Posted.
DEPARTMENT	Jeff Streitmatter III, Public Works Michael Sturm, PW Project Manager	CONSEQUENCES IF DEFERRED	N/A
SOLICITATION	IFB #15-2298DC	AUTHORIZED BY DATE	Melissa Wendel, CPPO <u>9/21/15</u> September 21, 2015

NOTICE OF INTENT TO AWARD

Notice of Intent to Award, Invitation for Bid #15-2298DC for US301 and Ft. Hamer Road Signalization, to the lowest, responsive and responsible bidder, Florida Safety Contractors, Inc., Tampa, Florida, for a total bid of \$509,151.54 and 120 calendar days for completion.

ENABLING/REGULATING AUTHORITY

Federal/State law(s), administrative ruling(s), Manatee County Comp Plan/Land Development Code, ordinances, resolutions, policy.

Manatee County Code of Laws

BACKGROUND/DISCUSSION

- The project provides for a contractor to furnish and install traffic signals and minor intersection improvements at US Highway 301 and Fort Hamer Road, including CCTV equipment, pedestrian signals, fiber optics, and conduits.
- Formal competitive sealed bid procedures were followed resulting in a total of five (5) bidders submitting a sealed bid for consideration per the attached cost tabulation.

	<u>120 days</u>	<u>200 days</u>
American Lighting and Signalization, Jacksonville FL	\$565,792.70	\$565,792.70
Florida Safety Contractors, Tampa FL	\$509,151.54	\$509,151.54
Highway Safety Devices, Tampa FL	\$547,397.18	\$547,397.18
MSB Services, Bradenton FL	\$632,445.00	\$605,000.00
Traffic Control Products, Tampa FL	\$594,849.15	\$543,261.02
- Memorandum from the Public Works Department concurs with the consultant's, Cardno, recommending award of the project to Florida Safety Contractors, Inc.
- Project will be funded through Road Impact Fee District NE.

ATTACHMENTS (List in order of attached)	- Public Works Recommendation - Cardno Recommendation - Tabulation	FUNDING SOURCE (Acct Number & Name)	Road Impact Fee 3806061960 ☒ Funds Verified ☐ Insufficient Funds
COST	\$509,151.54	AMT/FREQ OF RECURRING COSTS (Attach Fiscal Impact Statement)	N/A

MEMORANDUM

To: Melissa M. Wendel, CPPO, Purchasing Official
From: Jeff Streitmatter III, P. E., Project Management
Division Manager



Date: September 11, 2015
Subject: US 301 and Ft. Hamer Road Signalization Plans
Florida Safety Contractors, Inc.
Recommendation for Award - IFB# 15-2298DC

The bids for the above referenced project have been reviewed by staff. The bid tabulation form is attached for your review. It is recommended that the contract Bid "A", with a construction time of 120 Days be awarded to the lowest responsive, responsible bidder, Florida Safety Contractors, Inc. in the amount of \$509,151.54 and in accordance with the terms and conditions of the bid package. Upon completion of project award, please provide a copy of the purchase order assigned to the contractor. The funding source for this contract is Road Impact Fee District NE.

Please contact Michael Sturm, P.E., Project Manager, if you have any questions regarding the attached documents.

Thank you for your continued assistance.

JS/ms

cc: Ron Schulhofer, Director, Public Works
Sia Mollanazar, P.E., Deputy Director, Engineering Services
Michael Sturm, P.E., Project Manager
Project File: Project # 6061960 9.2

Public Works Department
Project Management Division
1022 26th Avenue East, Bradenton, FL 34208-3926
Phone number: (941) 708-7450

LARRY BUSTLE * CHARLES B. SMITH * JOHN R. CHAPPIE * ROBIN DISABATINO * VANESSA BAUGH * CAROL WHITMORE * BETSY BENAC
District 1 District 2 District 3 District 4 District 5 District 6 District 7

E:\Users\jasturm\Desktop\2014 Recommendation for Award IFB Fully Funded Memo Ft Hammer at US 301.docx



September 8, 2015

Michael L. Sturm, P.E.
Project Manager
Manatee County Public Works
1022 26th Avenue East
Bradenton, Florida 34206-3926

Cardno
3905 Crescent Park Drive
Riverview, FL 33578
USA
Phone 813 664 4500
Fax 813 664 0440
www.Cardno.com

**Re: US 301 / Ft. Hamer Road Signalization
Construction Bid Tabulation Evaluation / Recommendation**

Dear Mr. Sturm:

We have reviewed the Bid Tabulation for the referenced project and offer the following comments:

- Five contractors placed bids for the work with total bids ranging from \$509,000 (\$462,800 not including Contingency) to \$638,000 (\$550,000 not including Contingency). The three lowest bidders did not provide different bid amounts for Bid A (120 Calendar Days) vs. Bid B (200 Calendar Days).
- The Engineer's Estimate was \$487,500, not including Contingency.

The lowest bidder is Florida Safety Contractors (FSC). FSC is a local firm and has successfully completed other similar projects for Manatee County.

As you are aware there are many factors that can affect how a contractor bids. After reviewing the bids placed we feel all are valid and none of the bidders made obvious errors. We recommend awarding the contract to the lowest bidder, **Florida Safety Contractors**, for 120 Calendar Days.

If you have any questions feel free to contact me.

Sincerely,
CARDNO

Susan C. Joel, PE, PTOE
Project Manager
Phone: 813-367-0970

CC: Manatee County File

Australia • Belgium • Indonesia • Kenya • New Zealand • Papua New Guinea
United Arab Emirates • United Kingdom • United States • Operations in 60 countries

US 301 / FT HAMER ROAD SIGNALIZATION
Bid No. 15-2298DC
Project No. 6061960
Bid Opening September 2, 2015

PAY ITEM	DESCRIPTION	UNIT	PLAN QTY	Engineers Estimate		Bid A/B		Bid A/B		Bid A/B		Bid A		Bid B		Bid A		Bid B	
						Florida Safety Contractors, Inc.		Highway Safety Devices, Inc.		American Lighting and Signalization, Inc.		Traffic Control Products of Florida, Inc.		MSB Services, LLC					
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
101-1	MOBILIZATION	LS	1	\$ 42,393.24	\$ 42,393.24	\$ 33,500.00	\$ 33,500.00	\$ 48,000.00	\$ 48,000.00	\$ 40,000.00	\$ 40,000.00	\$ 29,680.00	\$ 29,680.00	\$ 26,800.00	\$ 26,800.00	\$ 89,750.00	\$ 89,750.00	\$ 79,750.00	\$ 79,750.00
102-1	MAINTENANCE OF TRAFFIC	LS	1	\$ 21,196.62	\$ 21,196.62	\$ 16,200.00	\$ 16,200.00	\$ 12,800.00	\$ 12,800.00	\$ 20,000.00	\$ 20,000.00	\$ 3,269.00	\$ 3,269.00	\$ 3,002.00	\$ 3,002.00	\$ 30,332.50	\$ 30,332.50	\$ 15,332.50	\$ 15,332.50
SUBTOTAL - MOB AND MOT ONLY					\$ 63,589.86		\$ 49,700.00		\$ 60,800.00		\$ 60,000.00		\$ 32,949.00		\$ 29,802.00		\$ 120,082.50		\$ 95,082.50

PAY ITEM	DESCRIPTION	UNIT	PLAN QTY	Engineers Estimate		Bid A/B		Bid A/B		Bid A/B		Bid A		Bid B		Bid A		Bid B	
						Florida Safety Contractors, Inc.		Highway Safety Devices, Inc.		American Lighting and Signalization, Inc.		Traffic Control Products of Florida, Inc.		MSB Services, LLC					
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
102-99	PORTABLE CHANGEABLE MESSAGE SIGN-TEMPORARY	ED	28	\$ 13.81	\$ 386.68	\$ 30.86	\$ 864.08	\$ 32.50	\$ 910.00	\$ 20.00	\$ 560.00	\$ 34.55	\$ 967.40	\$ 31.75	\$ 889.00	\$ 28.00	\$ 784.00	\$ 28.00	\$ 784.00
520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	140	\$ 20.86	\$ 2,919.84	\$ 31.80	\$ 4,452.00	\$ 36.00	\$ 5,040.00	\$ 60.00	\$ 8,400.00	\$ 72.00	\$ 10,080.00	\$ 66.15	\$ 9,261.00	\$ 30.00	\$ 4,200.00	\$ 30.00	\$ 4,200.00
522-1	CONCRETE SIDEWALK, 4" THICK	SY	216	\$ 36.53	\$ 7,890.70	\$ 78.00	\$ 16,848.00	\$ 43.50	\$ 9,396.00	\$ 85.00	\$ 18,360.00	\$ 79.25	\$ 17,118.00	\$ 72.75	\$ 15,714.00	\$ 39.00	\$ 8,424.00	\$ 39.00	\$ 8,424.00
527-2	DETECTABLE WARNING	SF	80	\$ 31.38	\$ 2,510.64	\$ 28.00	\$ 2,320.00	\$ 44.50	\$ 3,560.00	\$ 50.00	\$ 4,000.00	\$ 72.00	\$ 5,760.00	\$ 66.15	\$ 5,292.00	\$ 40.00	\$ 3,200.00	\$ 40.00	\$ 3,200.00
570-1-2	PERFORMANCE TURF, SOD	SY	185	\$ 2.34	\$ 433.46	\$ 6.55	\$ 1,211.75	\$ 8.60	\$ 1,591.00	\$ 10.00	\$ 1,850.00	\$ 14.00	\$ 2,590.00	\$ 12.90	\$ 2,386.50	\$ 4.00	\$ 740.00	\$ 4.00	\$ 740.00
SUBTOTAL (ROADWAY ONLY - DOES NOT INCLUDE MOB & MOT)					\$ 14,141.32		\$ 25,695.83		\$ 20,497.00		\$ 33,170.00		\$ 36,515.40		\$ 33,542.50		\$ 17,348.00		\$ 17,348.00

PAY ITEM	DESCRIPTION	UNIT	PLAN QTY	Engineers Estimate		Bid A/B		Bid A/B		Bid A/B		Bid A		Bid B		Bid A		Bid B	
						Florida Safety Contractors, Inc.		Highway Safety Devices, Inc.		American Lighting and Signalization, Inc.		Traffic Control Products of Florida, Inc.		MSB Services, LLC					
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
700-1-11	SINGLE POST SIGN (F&I GROUND MOUNT) (UP TO 12 SF)	AS	3	\$ 330.16	\$ 990.48	\$ 312.53	\$ 937.59	\$ 480.00	\$ 1,440.00	\$ 400.00	\$ 1,200.00	\$ 245.00	\$ 735.00	\$ 245.00	\$ 735.00	\$ 335.00	\$ 1,005.00	\$ 335.00	\$ 1,005.00
700-1-12	SINGLE POST SIGN (F&I GROUND MOUNT) (12-20 SF)	AS	1	\$ 902.84	\$ 902.84	\$ 322.93	\$ 322.93	\$ 1,300.00	\$ 1,300.00	\$ 1,500.00	\$ 1,500.00	\$ 315.00	\$ 315.00	\$ 315.00	\$ 315.00	\$ 1,600.00	\$ 1,600.00	\$ 1,600.00	\$ 1,600.00
700-1-13	SINGLE POST SIGN (F&I GROUND MOUNT) (21-30 SF)	AS	1	\$ 1,407.77	\$ 1,407.77	\$ 1,510.22	\$ 1,510.22	\$ 1,450.00	\$ 1,450.00	\$ 1,600.00	\$ 1,600.00	\$ 1,325.00	\$ 1,325.00	\$ 1,325.00	\$ 1,325.00	\$ 1,875.00	\$ 1,875.00	\$ 1,875.00	\$ 1,875.00
700-1-60	SINGLE POST SIGN (REMOVE)	AS	1	\$ 20.99	\$ 20.99	\$ 52.40	\$ 52.40	\$ 67.50	\$ 67.50	\$ 60.00	\$ 60.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 20.00	\$ 10.00	\$ 10.00	\$ 10.00	\$ 10.00
700-2-12	MULTI-POST SIGN (F&I)(GROUND MOUNT)(12-20 SF)	AS	1	\$ 2,807.52	\$ 2,807.52	\$ 3,899.31	\$ 3,899.31	\$ 4,050.00	\$ 4,050.00	\$ 3,500.00	\$ 3,500.00	\$ 2,681.00	\$ 2,681.00	\$ 2,681.00	\$ 2,681.00	\$ 2,500.00	\$ 2,500.00	\$ 2,550.00	\$ 2,550.00
700-2-15	MULTI-POST SIGN (F&I)(GROUND MOUNT)(51-100 SF)	AS	2	\$ 6,798.71	\$ 13,597.42	\$ 5,476.27	\$ 10,952.54	\$ 6,400.00	\$ 12,800.00	\$ 5,000.00	\$ 10,000.00	\$ 4,220.00	\$ 8,440.00	\$ 4,220.00	\$ 8,440.00	\$ 4,950.00	\$ 9,900.00	\$ 4,950.00	\$ 9,900.00
700-3-601	SIGN PANEL (REMOVE) (UP TO 12 SF)	EA	2	\$ 62.42	\$ 124.84	\$ 52.39	\$ 104.78	\$ 34.00	\$ 68.00	\$ 60.00	\$ 120.00	\$ 20.00	\$ 40.00	\$ 20.00	\$ 40.00	\$ 15.00	\$ 30.00	\$ 15.00	\$ 30.00
700-5-21	INTERNALLY ILLUMINATED SIGN (F&I OVHD)(UP TO 12 SF)	EA	7	\$ 2,659.77	\$ 18,618.39	\$ 2,016.47	\$ 14,115.29	\$ 1,950.00	\$ 13,650.00	\$ 1,500.00	\$ 10,500.00	\$ 2,055.00	\$ 14,385.00	\$ 1,867.00	\$ 13,069.00	\$ 2,075.00	\$ 14,525.00	\$ 2,075.00	\$ 14,525.00
700-5-22	INTERNALLY ILLUMINATED SIGN (F&I OVHD)(SPECIAL)	EA	4	\$ 3,038.73	\$ 12,154.92	\$ 3,329.14	\$ 13,316.56	\$ 3,050.00	\$ 12,200.00	\$ 3,000.00	\$ 12,000.00	\$ 3,660.00	\$ 14,640.00	\$ 3,321.00	\$ 13,284.00	\$ 3,350.00	\$ 13,400.00	\$ 3,350.00	\$ 13,400.00
700-12-22	SIGN BEACON (F&I GROUND, SOLAR) (2 BEACONS)	AS	3	\$ 4,500.00	\$ 13,500.00	\$ 5,520.16	\$ 16,560.48	\$ 5,100.00	\$ 15,300.00	\$ 5,500.00	\$ 16,500.00	\$ 5,275.00	\$ 15,825.00	\$ 5,275.00	\$ 15,825.00	\$ 5,500.00	\$ 16,500.00	\$ 5,500.00	\$ 16,500.00
711-11-123	THERMOPLASTIC (STD) (SOLID) (WHITE) (12")	LF	633	\$ 4.86	\$ 3,077.65	\$ 3.25	\$ 2,057.25	\$ 3.40	\$ 2,152.20	\$ 4.00	\$ 2,532.00	\$ 2.10	\$ 1,329.30	\$ 2.10	\$ 1,329.30	\$ 3.50	\$ 2,215.50	\$ 3.50	\$ 2,215.50
711-11-125	THERMOPLASTIC (STD) (SOLID) (WHITE) (24")	LF	147	\$ 4.36	\$ 640.33	\$ 6.50	\$ 955.50	\$ 6.80	\$ 999.60	\$ 6.00	\$ 882.00	\$ 4.30	\$ 632.10	\$ 4.30	\$ 632.10	\$ 6.25	\$ 918.75	\$ 6.25	\$ 918.75
711-11-151	THERMOPLASTIC (STD) (2'-4" SKIP) (WHITE) (6")	LF	325	\$ 1.20	\$ 389.68	\$ 1.25	\$ 406.25	\$ 1.20	\$ 390.00	\$ 2.00	\$ 650.00	\$ 1.40	\$ 455.00	\$ 1.40	\$ 455.00	\$ 1.25	\$ 406.25	\$ 1.25	\$ 406.25
711-11-251	THERMOPLASTIC (STD) (2'-4" SKIP) (YELLOW) (6")	LF	332	\$ 1.39	\$ 460.15	\$ 1.25	\$ 415.00	\$ 1.20	\$ 398.40	\$ 2.00	\$ 664.00	\$ 1.40	\$ 464.80	\$ 1.40	\$ 464.80	\$ 1.25	\$ 415.00	\$ 1.25	\$ 415.00
711-15-111	THERMOPLASTIC (STD) (SOLID) (WHITE) (6")	NM	0.038	\$ 4,868.38	\$ 185.00	\$ 8,200.00	\$ 311.60	\$ 9,200.00	\$ 349.60	\$ 61,000.00	\$ 2,318.00	\$ 7,450.00	\$ 283.10	\$ 7,450.00	\$ 283.10	\$ 8,625.00	\$ 327.75	\$ 8,625.00	\$ 327.75
711-17	REMOVE THERMOPLASTIC	SF	195	\$ 2.48	\$ 482.63	\$ 8.50	\$ 1,657.50	\$ 9.20	\$ 1,794.00	\$ 5.00	\$ 975.00	\$ 2.80	\$ 546.00	\$ 2.80	\$ 546.00	\$ 10.00	\$ 1,950.00	\$ 10.00	\$ 1,950.00
SUBTOTAL (SIGNING AND MARKINGS ONLY)					\$ 69,360.61		\$ 67,575.20		\$ 68,409.30		\$ 65,001.00		\$ 62,116.30		\$ 59,444.30		\$ 67,578.25		\$ 67,628.25

PAY ITEM	DESCRIPTION	UNIT	PLAN QTY	Engineers Estimate		Bid A/B		Bid A/B		Bid A/B		Bid A		Bid B		Bid A		Bid B	
						Florida Safety Contractors, Inc.		Highway Safety Devices, Inc.		American Lighting and Signalization, Inc.		Traffic Control Products of Florida, Inc.		MSB Services, LLC					
				UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
630-2-11	CONDUIT (F&I) (OPEN TRENCH)	LF	855	\$ 6.04	\$ 5,164.20	\$ 8.45	\$ 7,224.75	\$ 13.50	\$ 11,542.50	\$ 10.00	\$ 8,550.00	\$ 13.30	\$ 11,371.50	\$ 11.40	\$ 9,747.00	\$ 5.50	\$ 4,702.50	\$ 5.50	\$ 4,702.50
630-2-12	CONDUIT (F&I) (DIRECTIONAL BORE)	LF	360	\$ 14.81	\$ 5,331.60	\$ 37.17	\$ 13,381.20	\$ 31.50	\$ 11,340.00	\$ 30.00	\$ 10,800.00	\$ 36.15	\$ 13,014.00	\$ 33.20	\$ 11,952.00	\$ 30.00	\$ 10,800.00	\$ 30.00	\$ 10,800.00
630-2-14	CONDUIT (F&I) (ABOVE GROUND)	LF	20	\$ 9.74	\$ 194.80	\$ 20.01	\$ 400.20	\$ 30.00	\$ 600.00	\$ 15.00	\$ 300.00	\$ 14.50	\$ 290.00	\$ 12.80	\$ 256.00	\$ 20.00	\$ 400.00	\$ 20.00	\$ 400.00
632-7-1	SIGNAL CABLE (F&I) (NEW OR RECONSTRUCTED INT)	PI	1	\$ 3,875.09	\$ 3,875.09	\$ 7,733.00	\$ 7,733.00	\$ 5,350.00	\$ 5,350.00	\$ 5,000.00	\$ 5,000.00	\$ 9,648.00	\$ 9,648.00	\$ 8,563.00	\$ 8,563.00	\$ 7,250.00	\$ 7,250.00	\$ 7,250.00	\$ 7,250.00
633-1-122	ITS FIBER OPTIC CABLE (F&I) (UG) 48 FIBER	LF	1,620	\$ 2.33	\$ 3,774.60	\$ 2.59	\$ 4,195.80	\$ 2.60	\$ 4,212.00	\$ 2.30	\$ 3,726.00	\$ 3.03	\$ 4,908.60	\$ 2.78	\$ 4,503.60	\$ 2.50	\$ 4,050.00	\$ 2.50	\$ 4,050.00
633-2-31	FO CONNECTION, INSTALL SPLICE	EA	2	\$ 43.61	\$ 87.22	\$ 2,450.62	\$ 4,901.24	\$ 2,450.00	\$ 4,900.00	\$ 2,180.00	\$ 4,360.00	\$ 2,858.00	\$ 5,716.00	\$ 2,625.00	\$ 5,250.00	\$ 50.00	\$ 100.00	\$ 50.00	\$ 100.00
633-3-11	FO CONNECTION HARDWARE (F&I) SPLICE ENCLOSURE	EA	2	\$ 778.38	\$ 1,556.76	\$ 734.57	\$ 1,469.14	\$ 730.00	\$ 1,460.00	\$ 650.00	\$ 1,300.00	\$ 857.00	\$ 1,714.00	\$ 787.00	\$ 1,574.00	\$ 675.00	\$ 1,350.00	\$ 675.00	\$ 1,350.00
633-3-12	FO CONNECTION HARDWARE (F&I) SPLICE TRAY	EA	1	\$ 119.74	\$ 119.74	\$ 59.26	\$ 59.26	\$ 59.00	\$ 59.00	\$ 60.00	\$ 60.00	\$ 69.15	\$ 69.15	\$ 63.50	\$ 63.50	\$ 55.00	\$ 55.00	\$ 55.00	\$ 55.00
633-3-15	FO CONNECTION HARDWARE (F&I) PRETERM PATCH PANEL	EA	1	\$ 1,453.89	\$ 1,453.89	\$ 1,975.31	\$ 1,975.31	\$ 1,950.00	\$ 1,950.00	\$ 1,800.00	\$ 1,800.00	\$ 2,304.00	\$ 2,304.00	\$ 2,116.00	\$ 2,116.00	\$ 1,775.00	\$ 1,775.00	\$ 1,775.00	\$ 1,775.00
633-8-1	MULTI-CONDUCTOR COMM CABLE (CAT6 ETHERNET)	LF	140	\$ 3.34	\$ 467.60	\$ 4.32	\$ 604.80	\$ 4.30	\$ 602.00	\$ 4.00	\$ 560.00	\$ 5.05	\$ 707.00	\$ 4.65	\$ 651.00	\$ 4.00	\$ 560.00	\$ 4.00	\$ 560.00

US 301 / FT HAMER ROAD SIGNALIZATION
Bid No. 15-2298DC
Project No. 6061960
Bid Opening September 2, 2015

						Bid A/B		Bid A/B		Bid A/B		Bid A		Bid B		Bid A		Bid B	
				Engineers Estimate		Florida Safety Contractors, Inc.		Highway Safety Devices, Inc.		American Lighting and Signalization, Inc.		Traffic Control Products of Florida, Inc.		MSB Services, LLC					
635-2-11	PULL AND SPLICE BOX (F&I) (17" X 30")	EA	20	\$ 498.42	\$ 9,968.40	\$ 709.73	\$ 14,194.60	\$ 825.00	\$ 16,500.00	\$ 800.00	\$ 16,000.00	\$ 933.00	\$ 18,660.00	\$ 818.00	\$ 16,360.00	\$ 600.00	\$ 12,000.00	\$ 600.00	\$ 12,000.00
635-2-12	PULL AND SPLICE BOX (F&I) (24" X 36")	EA	1	\$ 1,325.26	\$ 1,325.26	\$ 2,350.52	\$ 2,350.52	\$ 1,800.00	\$ 1,800.00	\$ 2,500.00	\$ 2,500.00	\$ 2,237.00	\$ 2,237.00	\$ 1,995.00	\$ 1,995.00	\$ 900.00	\$ 900.00	\$ 900.00	\$ 900.00
639-1-122	POWER SERVICE (UG) (METER PURCH BY CONTRACTOR)	AS	1	\$ 2,871.47	\$ 2,871.47	\$ 1,256.14	\$ 1,256.14	\$ 3,400.00	\$ 3,400.00	\$ 2,500.00	\$ 2,500.00	\$ 1,869.00	\$ 1,869.00	\$ 1,680.00	\$ 1,680.00	\$ 1,650.00	\$ 1,650.00	\$ 1,650.00	\$ 1,650.00
639-2-1	ELECTRICAL SERVICE WIRE (F&I)	LF	300	\$ 4.71	\$ 1,412.40	\$ 4.02	\$ 1,206.00	\$ 3.30	\$ 990.00	\$ 2.00	\$ 600.00	\$ 2.75	\$ 825.00	\$ 2.45	\$ 735.00	\$ 2.75	\$ 825.00	\$ 2.75	\$ 825.00
639-3-11	ELECTRICAL SERVICE DISCONNECT (F&I) (POLE MOUNT)	EA	2	\$ 759.08	\$ 1,518.16	\$ 408.83	\$ 817.66	\$ 385.00	\$ 770.00	\$ 600.00	\$ 1,200.00	\$ 629.00	\$ 1,258.00	\$ 550.00	\$ 1,100.00	\$ 1,050.00	\$ 2,100.00	\$ 1,050.00	\$ 2,100.00
641-2-12	CONCRETE POLE (F&I) (TYPE P-II SERVICE, 12")	EA	2	\$ 1,011.20	\$ 2,022.40	\$ 842.73	\$ 1,685.46	\$ 1,200.00	\$ 2,400.00	\$ 800.00	\$ 1,600.00	\$ 1,043.00	\$ 2,086.00	\$ 919.00	\$ 1,838.00	\$ 750.00	\$ 1,500.00	\$ 750.00	\$ 1,500.00
641-3-263	CONCRETE CCTV POLE (F&I)(W/O LOWERING DEVICE)(56")	EA	1	\$ 11,011.10	\$ 11,011.10	\$ 11,170.17	\$ 11,170.17	\$ 18,000.00	\$ 18,000.00	\$ 16,000.00	\$ 16,000.00	\$ 20,356.00	\$ 20,356.00	\$ 18,664.00	\$ 18,664.00	\$ 19,000.00	\$ 19,000.00	\$ 19,000.00	\$ 19,000.00
646-1-11	ALUMINUM SIGNALS POLE (F&I) (PEDESTAL)	EA	8	\$ 944.56	\$ 7,556.48	\$ 915.80	\$ 7,326.40	\$ 1,100.00	\$ 8,800.00	\$ 700.00	\$ 5,600.00	\$ 930.00	\$ 7,440.00	\$ 825.00	\$ 6,600.00	\$ 1,250.00	\$ 10,000.00	\$ 1,250.00	\$ 10,000.00
649-31-299	MAST ARM (F&I) (130 MPH) (CUSTOM)	EA	3	\$ 48,481.00	\$ 145,443.00	\$ 44,118.54	\$ 132,355.62	\$ 51,200.00	\$ 153,600.00	\$ 55,000.00	\$ 165,000.00	\$ 59,505.00	\$ 178,515.00	\$ 54,342.00	\$ 163,026.00	\$ 59,500.00	\$ 178,500.00	\$ 59,500.00	\$ 178,500.00
650-1-311	TRAFFIC SIGNAL, 12" (F&I) (3 SECT, 1 WAY) (ALUM) (LED)	AS	12	\$ 974.43	\$ 11,693.16	\$ 812.04	\$ 9,744.48	\$ 720.00	\$ 8,640.00	\$ 800.00	\$ 9,600.00	\$ 924.00	\$ 11,088.00	\$ 833.00	\$ 9,996.00	\$ 875.00	\$ 10,500.00	\$ 875.00	\$ 10,500.00
650-1-411	TRAFFIC SIGNAL, 12" (F&I) (4 SECT, 1 WAY) (ALUM) (LED)	AS	1	\$ 1,189.37	\$ 1,189.37	\$ 1,005.67	\$ 1,005.67	\$ 875.00	\$ 875.00	\$ 1,100.00	\$ 1,100.00	\$ 1,087.00	\$ 1,087.00	\$ 983.00	\$ 983.00	\$ 1,075.00	\$ 1,075.00	\$ 1,075.00	\$ 1,075.00
650-1-511	TRAFFIC SIGNAL, 12" (F&I) (5 SECT, 1 WAY) (ALUM) (LED)	AS	1	\$ 1,343.44	\$ 1,343.44	\$ 1,405.47	\$ 1,405.47	\$ 1,200.00	\$ 1,200.00	\$ 1,500.00	\$ 1,500.00	\$ 1,615.00	\$ 1,615.00	\$ 1,458.00	\$ 1,458.00	\$ 1,525.00	\$ 1,525.00	\$ 1,525.00	\$ 1,525.00
653-1-11	PED SIGNALS (F&I) (LED COUNTDOWN) (1 WAY)	AS	8	\$ 652.79	\$ 5,222.32	\$ 544.22	\$ 4,353.76	\$ 460.00	\$ 3,680.00	\$ 500.00	\$ 4,000.00	\$ 724.00	\$ 5,792.00	\$ 645.00	\$ 5,160.00	\$ 550.00	\$ 4,400.00	\$ 550.00	\$ 4,400.00
660-1-109	LOOP DETECTOR, INDUCTIVE (F&I)(TYPE 9, 2 CH, SS, RM)	EA	4	\$ 215.96	\$ 863.84	\$ 130.55	\$ 522.20	\$ 120.00	\$ 480.00	\$ 200.00	\$ 800.00	\$ 226.00	\$ 904.00	\$ 200.00	\$ 800.00	\$ 200.00	\$ 800.00	\$ 200.00	\$ 800.00
660-2-102	LOOP ASSEMBLY (F&I) (F&I) (TYPE B)	EA	8	\$ 524.10	\$ 4,192.80	\$ 761.67	\$ 6,093.36	\$ 660.00	\$ 5,280.00	\$ 600.00	\$ 4,800.00	\$ 745.00	\$ 5,960.00	\$ 676.00	\$ 5,408.00	\$ 850.00	\$ 6,800.00	\$ 850.00	\$ 6,800.00
660-4-11	VEH DETECTION SYS (F&I)(VIDEO)(CABINET EQUIPMENT)	EA	4	\$ 7,874.68	\$ 31,498.72	\$ 3,625.21	\$ 14,500.84	\$ 3,500.00	\$ 14,000.00	\$ 3,500.00	\$ 14,000.00	\$ 4,491.00	\$ 17,964.00	\$ 4,094.00	\$ 16,376.00	\$ 4,000.00	\$ 16,000.00	\$ 4,000.00	\$ 16,000.00
660-4-12	VEH DETECTION SYS (F&I)(VIDEO)(ABOVE GROUND EQUIP)	EA	4	\$ 4,630.79	\$ 18,523.16	\$ 2,659.09	\$ 10,636.36	\$ 2,800.00	\$ 11,200.00	\$ 2,500.00	\$ 10,000.00	\$ 3,494.00	\$ 13,976.00	\$ 3,168.00	\$ 12,672.00	\$ 3,050.00	\$ 12,200.00	\$ 3,050.00	\$ 12,200.00
665-1-11	PEDESTRIAN DETECTOR (F&I) (STANDARD)	EA	8	\$ 191.92	\$ 1,535.36	\$ 203.85	\$ 1,630.80	\$ 100.00	\$ 800.00	\$ 140.00	\$ 1,104.00	\$ 155.00	\$ 1,240.00	\$ 138.00	\$ 1,104.00	\$ 135.00	\$ 1,080.00	\$ 135.00	\$ 1,080.00
670-5-110	TRAFFIC CONTROLLER ASSY (F&I) (NEMA)	AS	1	\$ 24,327.71	\$ 24,327.71	\$ 24,444.79	\$ 24,444.79	\$ 23,800.00	\$ 23,800.00	\$ 24,000.00	\$ 24,000.00	\$ 29,126.00	\$ 29,126.00	\$ 26,610.00	\$ 26,610.00	\$ 27,500.00	\$ 27,500.00	\$ 27,500.00	\$ 27,500.00
676-2-122	ITS CABINET (F&I) (POLE MT TYPE 336S W/SUNSHIELDS)	EA	1	\$ 10,010.00	\$ 10,010.00	\$ 4,917.07	\$ 4,917.07	\$ 5,850.00	\$ 5,850.00	\$ 5,500.00	\$ 5,500.00	\$ 8,554.00	\$ 8,554.00	\$ 7,733.00	\$ 7,733.00	\$ 5,750.00	\$ 5,750.00	\$ 5,750.00	\$ 5,750.00
682-1-11	ITS CCTV CAMERA (F&I) (DOME ENCL - PRESSURIZED)	EA	1	\$ 6,557.84	\$ 6,557.84	\$ 8,518.52	\$ 8,518.52	\$ 8,450.00	\$ 8,450.00	\$ 9,000.00	\$ 9,000.00	\$ 6,858.00	\$ 6,858.00	\$ 6,176.00	\$ 6,176.00	\$ 7,750.00	\$ 7,750.00	\$ 7,750.00	\$ 7,750.00
684-1-1	MANAGED FIELD ETHERNET SWITCH (F&I)	EA	1	\$ 2,364.52	\$ 2,364.52	\$ 2,376.54	\$ 2,376.54	\$ 2,350.00	\$ 2,350.00	\$ 2,200.00	\$ 2,200.00	\$ 2,179.00	\$ 2,179.00	\$ 1,971.00	\$ 1,971.00	\$ 1,925.00	\$ 1,925.00	\$ 1,925.00	\$ 1,925.00
685-106	SYSTEM AUXILIARIES (F&I) (UPS)	EA	2	\$ 4,366.98	\$ 8,733.96	\$ 4,028.05	\$ 8,056.10	\$ 3,650.00	\$ 7,300.00	\$ 6,000.00	\$ 12,000.00	\$ 6,215.00	\$ 12,430.00	\$ 5,659.00	\$ 11,318.00	\$ 4,500.00	\$ 9,000.00	\$ 4,500.00	\$ 9,000.00
SUBTOTAL (SIGNALIZATION ONLY)				\$ 333,210.37		\$ 312,513.23		\$ 342,180.50		\$ 347,076.00		\$ 401,761.25		\$ 364,439.10		\$ 363,822.50		\$ 363,822.50	

						Bid A/B		Bid A/B		Bid A/B		Bid A		Bid B		Bid A		Bid B	
				Engineers Estimate		Florida Safety Contractors, Inc.		Highway Safety Devices, Inc.		American Lighting and Signalization, Inc.		Traffic Control Products of Florida, Inc.		MSB Services, LLC					
715-1-12	LIGHTING-CONDUCTORS (F&I) (NO. 6)	LF	855	\$ 1.30	\$ 1,111.50	\$ 1.32	\$ 1,128.60	\$ 1.40	\$ 1,197.00	\$ 2.00	\$ 1,710.00	\$ 1.40	\$ 1,197.00	\$ 1.25	\$ 1,068.75	\$ 1.25	\$ 1,068.75	\$ 1.25	\$ 1,068.75
715-4-129	LIGHT POLE COMPLETE (F&I) (130 MPH) (CUSTOM HT 30')	EA	1	\$ 5,153.15	\$ 5,153.15	\$ 5,751.11	\$ 5,751.11	\$ 4,100.00	\$ 4,100.00	\$ 7,000.00	\$ 7,000.00	\$ 5,563.00	\$ 5,563.00	\$ 4,977.00	\$ 4,977.00	\$ 4,500.00	\$ 4,500.00	\$ 4,500.00	\$ 4,500.00
715-500-1	LIGHT POLE CABLE DISTRIBUTION SYSTEM (CONV)	EA	1	\$ 955.48	\$ 955.48	\$ 501.07	\$ 501.07	\$ 450.00	\$ 450.00	\$ 400.00	\$ 400.00	\$ 670.00	\$ 670.00	\$ 600.00	\$ 600.00	\$ 550.00	\$ 550.00	\$ 550.00	\$ 550.00
SUBTOTAL (LIGHTING ONLY)				\$ 7,220.13		\$ 7,380.78		\$ 5,747.00		\$ 9,110.00		\$ 7,430.00		\$ 6,645.75		\$ 6,118.75		\$ 6,118.75	

						Bid A/B		Bid A/B		Bid A/B		Bid A		Bid B		Bid A		Bid B	
				Engineers Estimate		Florida Safety Contractors, Inc.		Highway Safety Devices, Inc.		American Lighting and Signalization, Inc.		Traffic Control Products of Florida, Inc.		MSB Services, LLC					
TOTAL CONSTRUCTION COST				\$ 487,522.29		\$ 462,865.04		\$ 497,633.80		\$ 514,357.00		\$ 540,771.95		\$ 493,873.65		\$ 574,950.00		\$ 550,000.00	
CONTINGENCY (10%)				\$ 48,752.23		\$ 46,286.50		\$ 49,763.38		\$ 51,435.70		\$ 54,077.20		\$ 49,387.37		\$ 57,495.00		\$ 55,000.00	
GRAND TOTAL				\$ 536,274.52		\$ 509,151.54		\$ 547,397.18		\$ 565,792.70		\$ 594,849.15		\$ 543,261.02		\$ 632,445.00		\$ 605,000.00	

ALS submitted Grand Total (\$559,792.70) did not include MOT and MOB in Contingency Calculation

MSB had \$50 escalation error for pay item 700-2-12 (shown as \$2,550.00, should be \$2,500.00)