



MEMORANDUM

TO: Members of the Finance Committee

FROM: Rich Olson, City Manager

DATE: March 8, 2016

REF: Consideration – Award of Bid for Traffic Signal on Halstead Extended at Mt. Everest Way

BACKGROUND:

Last week, City staff opened bids for the construction of a traffic signal at Halstead Extended and Mt. Everest Way. This traffic signal was included in the Thompson Thrift Development Agreement. In addition, when the Stockbridge development was approved, their development agreement called for them to install the traffic signal at this intersection. City staff has met with the representatives of Stockbridge and Thompson Thrift and they have agreed to pay one-half each of the cost - up to \$230,000. To expedite the construction of this signal, the City hired Kimley Horn to do the design work, bidding and construction administration. To further expedite the process, the City directly purchased all the necessary hardware, mast arms and heads for the project. The final component of the project was the cost to erect the signal. Bids were opened on March 4, 2016 and the City received bids from three qualified bidders.

ANALYSIS:

Attached you will find a bid tabulation sheet. The low bidder was Carolina Signal and Lighting at \$97,104.23. The other two bidders, Watson Electrical Construction Company and Fulcher Electric bid \$102,351.50 and \$114,092.76 respectively. Kimley Horn has reviewed the bids and recommends that the award be made to Carolina Signal and Lighting Company. The total project cost breakdown is as follows:

Engineering Design and Construction Administration	\$35,000
Geo-Technical Engineering	6,000
Hardware	45,000
Contractor Services	97,105
Contingency	9,000
Total	\$192,105

The City is well below the cap that was placed on the project and the City will not have any local funds in the project – only staff time.

Once construction begins, the project should take approximately 90 days to complete.

STAFF RECOMMENDATION:

By motion, recommend that the City Council award the construction bid for the erection of the traffic signal at Halstead Extended and Mt. Everest Way to Carolina Signals and Lighting in the amount of \$97,104.23.

RCO/vdw

**CITY OF ELIZABETH CITY
BID TAB**

Contract No: EC-TS-FY16

Date: March 4, 2016

Description: Construction of Traffic Signal @ Halstead Blvd. Ext. and Mount Everest

LINE ITEM	DESCRIPTION	QTY	UNIT	Carolina Signals & Lighting, Inc		Watson Electrical Construction Co. LLC		Fulcher Electric of Fayetteville, Inc.	
				Unit Price	Ext. Price	Unit Price	Ext. Price	Unit Price	Ext. Price
1	Furnish & Install Various Size Traffic Signal Embedded Roadway Loops	3600	LF	5.95	21,420.00	5.30	19,080.00	5.68	20,448.00
2	Unpaved Trenching w/2" PVC Conduit	1150	LF	6.50	7,475.00	6.00	6,900.00	6.25	7,187.50
3	Furnish & Install additional 2" PVC in existing open trench	325	LF	1.25	406.25	3.50	1,137.50	1.52	494.00
4	Furnish & Install Standard Pull Box & Lid to NCDOT Spec.	7	EA	250.00	1,750.00	188.00	1,176.00	365.00	2,555.00
5	Furnish & Install Oversized Pull Box & Lid to NCDOT Spec.	4	EA	600.00	2,400.00	401.00	1,604.00	482.00	1,928.00
6	Furnish & Install #14-7c Signal Cable	2150	LF	3.00	6,450.00	2.10	4,515.00	3.94	8,471.00
7	Furnish & Install #14-2c Shielded Loop Lead-In Cable	3650	LF	1.35	4,927.50	1.25	4,562.50	1.68	6,132.00
8	Assemble & Install Vehicular Signal Heads, City Supplied	12	EA	275.00	3,300.00	337.00	4,044.00	475.00	5,700.00
9	Furnish & Install Concrete Foundation for Base Mounted Cabinet	1	EA	750.00	750.00	788.00	788.00	850.00	850.00
10	Install Base-Mounted Cabinet, Cabinet & Base Extender Supplied by the City	1	EA	750.00	750.00	1,885.00	1,885.00	1,050.00	1,050.00
11	Furnish & Install a 240 VAC Meter Service w/Disconnect & Ground	1	EA	900.00	900.00	625.00	625.00	680.00	680.00
12	Furnish & Install Cylindrical, Concrete Steel Reinforced Foundation for Metal Pole Structure w/Ground. Anchor Bolts Supplied by City	34	CY	950.00	32,300.00	1,000.00	34,000.00	1,175.00	39,950.00
13	Install Metal Pole and Single Metal Mast Arm. Metal Pole and Mast Arm Supplied by City	4	EA	1,800.00	7,200.00	2,000.00	8,000.00	2,785.00	11,140.00
14	Install Emergency Vehicle Preemption Detector. Detector and Mast Arm Mount. Supplied by City	4	EA	300.00	1,200.00	269.00	1,076.00	225.00	900.00
15	Install Emergency Vehicle Preemption Lead-In Cable. Cable Supplied by City	1000	LF	1.00	1,000.00	0.75	750.00	1.25	1,250.00

LINE ITEM	DESCRIPTION	QTY	UNIT	Carolina Signals & Lighting, Inc		Watson Electrical Construction Co. LLC		Fulcher Electric of Fayetteville, Inc.	
				Unit Price	Ext. Price	Unit Price	Ext. Price	Unit Price	Ext. Price
16	Furnish & Install Thermoplastic Pavement Marking-24"	130	LF	16.46	2,139.80	39.00	5,070.00	18.10	2,353.00
17	Furnish & Install Thermoplastic Pavement Marking-4"	75	LF	2.80	210.00	65.00	4,875.00	3.08	231.00
18	Furnish and Install Thermoplastic Pavement Marking Symbol	2	EA	258.44	516.88	357.00	714.00	284.28	568.56
19	Furnish & Install Thermoplastic Pavement Marking 4" Mini Skip Line	85	LF	2.80	238.00	6.50	552.50	3.08	261.80
20	Removal/Mill of Pavement Marking Lines, 4-6"	450	LF	1.96	882.00	1.10	495.00	2.15	967.50
21	Removal/Mill of Pavement Marking Lines, 4" Wide or Mini Skip Line	380	LF	1.96	744.80	1.10	418.00	6.60	817.00
22	Removal/Mill of Pavement Marking Lines, 24"	24	LF	6.00	144.00	3.50	84.00	6.60	158.40
Lump Sum Bid Totals:					97,104.23		102,351.50		114,092.76

Note: This is a lump sum bid-unit prices are for adjustment/changes if any are required