




HISTORIC
FRANKLIN
TENNESSEE

ITEM #7
WRKS 12/14/2010

MEMORANDUM

December 3, 2010

TO: Board of Mayor and Alderman

FROM: Eric Stuckey; City Administrator 
Kevin E. Comstock; ITS Project Manager
Eric Gardner, P.E. Director of Engineering
David Parker, P.E.; CIP Executive

SUBJECT: Consideration of the Construction Contract Award to Stansell Electric Company, Inc. for the Traffic Signal Installation at Mallory Station and General George Patton/Duke Drive (Contract 2010-0182)

Purpose

The purpose of this memorandum is to provide the Board of Mayor and Aldermen (BOMA) information regarding a contract with Stansell Electric Company, Inc. to provide Construction Services for the traffic signal installation at Mallory Station and General George Patton/Duke Drive.

Background

This project was originally considered in 2005 for the signalization of General George Patton and Mallory Station. With the arrival of Verizon Wireless, the need to signalize Duke Drive came about. That development contributed funds to build the entire General George Patton/Duke Drive and Mallory Station traffic signal. This required coordination with CSX Transportation due to the railroad crossing that lies between General George Patton and Duke Drive. In September 2009 all the necessary agreements and designs were completed to build this intersection.

In the May 25th, 2010 BOMA meeting this project was prioritized as the number two project in the 2010-2014 Capital Improvements Program Small Project Prioritization Item #15 - Resolution 2010-042. The funding was subsequently approved in the July 13th, 2010 BOMA meeting as agenda Item #11 - Resolution 2010-052.

Financial Impact

This project had its construction funding approved at \$385,000 of which \$140,000 was provided by developer contributions. Our design consultant for this project, RPM Transportation Consultants has provided a review of the bids and recommended, with staff concurrence, award to Stansell Electric Company, Inc. in the amount of \$257,998.30. The bid amount is 33% below the budgeted figure. This is partially due to a cooperative agreement for milling and paving to occur at this location in conjunction with the Mallory Valley Utility District.

Recommendation

Staff recommends award of this contract to Stansell Electric Company, Inc. in the amount of \$257,998.30.

MALLORY STATION ROAD AND GENERAL GEORGE PATTON/DUKE DRIVE TRAFFIC SIGNAL

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	AVG CONTR. UNIT PRICE	STANSELL ELECTRIC COMPANY		S & W CONTRACTING COMPANY	
					UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
202-03	REMOVAL OF RIGID PAVEMENT, SIDEWALK, ETC.	S.Y.	15.00	23.00	\$24.00	\$360.00	\$22.00	\$330.00
202-08.15	REMOVAL OF CURB AND GUTTER	L.F.	250.00	12.00	\$12.00	\$3,000.00	\$12.00	\$3,000.00
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	40.00	40.00	\$41.00	\$1,640.00	\$39.00	\$1,560.00
307-02.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TON	10.00	302.50	\$313.00	\$3,130.00	\$292.00	\$2,920.00
307-02.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M	TON	5.00	308.00	\$319.00	\$1,595.00	\$297.00	\$1,485.00
402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	0.07	116.50	\$118.00	\$8.26	\$115.00	\$8.05
402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	0.28	58.50	\$59.00	\$16.52	\$58.00	\$16.24
403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	0.01	114.00	\$118.00	\$1.18	\$110.00	\$1.10
403-02	ASPHALT CEMENT FOR TACK COAT (TC)	TON	0.01	114.00	\$118.00	\$1.18	\$110.00	\$1.10
411-02.01	ACS MIX(PG70-22) GRADING D (ROADWAY)	TON	180.00	154.50	\$159.00	\$28,620.00	\$150.00	\$27,000.00
415-01.02	COLD PLANNING OF BITUMINOUS PAVEMENT	S.Y.	2200.00	5.15	\$5.30	\$11,660.00	\$5.00	\$11,000.00
604-01.01	CLASS A CONCRETE (ROADWAY)	C.Y.	10.00	431.50	\$413.00	\$4,130.00	\$450.00	\$4,500.00
611-09.01	ADJUSTMENT OF EXISTING CATCH BASIN	EACH	1.00	2851.00	\$2,952.00	\$2,952.00	\$2,750.00	\$2,750.00
701-01.01	CONCRETE SIDEWALK (MATCH EXISTING)	S.F.	100.00	9.15	\$9.50	\$950.00	\$8.80	\$880.00
702-03	CONCRETE COMBINED CURB & GUTTER (MATCH EXISTING)	C.Y.	15.00	193.50	\$18.00	\$270.00	\$369.00	\$5,535.00
712-01	TRAFFIC CONTROL	LS	1.00	9487.50	\$9,475.00	\$9,475.00	\$9,500.00	\$9,500.00
713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1.00	223.50	\$147.00	\$147.00	\$300.00	\$300.00
713-16.09	RAILROAD ADVANCE WARNING SIGN AND SUPPORT	EACH	4.00	246.50	\$193.00	\$772.00	\$300.00	\$1,200.00
713-16.20	SIGNS (W3-3, 36"x36")	EACH	3.00	261.00	\$222.00	\$666.00	\$300.00	\$900.00
713-16.21	SIGNS (R8-8, 24"x30")	EACH	2.00	261.00	\$222.00	\$444.00	\$300.00	\$600.00
713-16.22	SIGNS (R10-10, 24"x30")	EACH	1.00	261.00	\$222.00	\$222.00	\$300.00	\$300.00
713-16.23	SIGNS (OVERHEAD STREET NAME SIGNS)	EACH	6.00	2616.00	\$2,988.00	\$17,928.00	\$2,244.00	\$13,464.00
716-02.01	PLASTIC PAVEMENT MARKING (4" LINE)	L.M.	1.00	4447.50	\$4,605.00	\$4,605.00	\$4,290.00	\$4,290.00
716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	40.00	34.00	\$35.00	\$1,400.00	\$33.00	\$1,320.00
716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	120.00	17.50	\$18.00	\$2,160.00	\$17.00	\$2,040.00
716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	3.00	228.00	\$236.00	\$708.00	\$220.00	\$660.00
716-03.02	PLASTIC WORD PAVEMENT MARKING (RXR)	EACH	2.00	456.00	\$472.00	\$944.00	\$440.00	\$880.00
730-02.09	SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATE)	EACH	10.00	838.50	\$909.00	\$9,090.00	\$768.00	\$7,680.00
730-02.10	SIGNAL HEAD ASSEMBLY (130 A2 WITH BACKPLATE LEFT)	EACH	2.00	770.50	\$819.00	\$1,638.00	\$722.00	\$1,444.00
730-02.17	SIGNAL HEAD ASSEMBLY (150 A2H WITH BACKPLATE, RIGHT)	EACH	2.00	1320.50	\$1,437.00	\$2,874.00	\$1,204.00	\$2,408.00
730-03.21	INSTALL PULL BOX (TYPE B)	EACH	15.00	333.00	\$341.00	\$5,115.00	\$325.00	\$4,875.00
730-05.01	ELECTRICAL SERVICE CONNECTION	EACH	1.00	3135.50	\$2,771.00	\$2,771.00	\$3,500.00	\$3,500.00
730-05.03	SERVICE CABLE (2 CONDUCTOR, #6 AWG)	L.F.	50.00	2.03	\$1.80	\$90.00	\$2.25	\$112.50
730-08.01	SIGNAL CABLE - 3 CONDUCTOR	L.F.	2750.00	0.95	\$0.90	\$2,475.00	\$1.00	\$2,750.00
730-08.02	SIGNAL CABLE - 5 CONDUCTOR	L.F.	850.00	1.08	\$1.00	\$850.00	\$1.15	\$977.50
730-08.03	SIGNAL CABLE - 7 CONDUCTOR	L.F.	2500.00	1.23	\$1.20	\$3,000.00	\$1.25	\$3,125.00
730-08.10	SIGNAL CABLE - (DETECTOR CABLE MODEL 138)	L.F.	1750.00	0.85	\$0.45	\$787.50	\$1.25	\$2,187.50
730-11.01	STEEL CONDUIT RISER ASSEMBLY	EACH	1.00	294.00	\$263.00	\$263.00	\$325.00	\$325.00
730-12.01	CONDUIT 1" DIAMETER (PVC)	L.F.	500.00	4.25	\$3.50	\$1,750.00	\$5.00	\$2,500.00
730-12.02	CONDUIT 2" DIAMETER (PVC)	L.F.	180.00	4.90	\$3.80	\$684.00	\$6.00	\$1,080.00
730-12.03	CONDUIT 3" DIAMETER (PVC)	L.F.	705.00	11.20	\$4.40	\$3,102.00	\$18.00	\$12,690.00
730-12.30	TRENCHING	L.F.	1200.00	3.70	\$2.40	\$2,880.00	\$5.00	\$6,000.00
730-12.40	ENCASED CONDUIT (6" STEEL ENCASMENT)	L.F.	80.00	97.50	\$70.00	\$5,600.00	\$125.00	\$10,000.00
730-13.03	VEHICLE DETECTOR (4-CHANNEL RACK MOUNT)	EACH	2.00	332.00	\$423.00	\$846.00	\$241.00	\$482.00
730-13.06	VEHICLE DETECTOR (OPTICALLY ACTIVATED PRIORITY CONTROL)	EACH	4.00	2032.00	\$2,166.00	\$8,664.00	\$1,898.00	\$7,592.00
730-14.01	SHIELDED DETECTOR CABLE	L.F.	4500.00	0.88	\$0.75	\$3,375.00	\$1.00	\$4,500.00
730-14.02	SAW SLOT	L.F.	900.00	3.50	\$3.50	\$3,150.00	\$3.50	\$3,150.00
730-14.03	LOOP WIRE	L.F.	1500.00	0.55	\$0.60	\$900.00	\$0.50	\$750.00
730-15.32	CABINET (EIGHT PHASE BASE MOUNT)	EACH	1.00	20319.50	\$19,597.00	\$19,597.00	\$21,042.00	\$21,042.00
730-16.02	EIGHT PHASE ACTUATED CONTROLLER	EACH	1.00	3672.00	\$4,284.00	\$4,284.00	\$3,060.00	\$3,060.00
730-23.64	CANTILEVER SIGNAL SUPPORT (1 ARM @ 30')	EACH	1.00	9760.50	\$9,361.00	\$9,361.00	\$10,160.00	\$10,160.00
730-23.72	CANTILEVER SIGNAL SUPPORT (1 ARM @ 35')	EACH	1.00	9938.50	\$9,517.00	\$9,517.00	\$10,360.00	\$10,360.00
730-23.77	CANTILEVER SIGNAL SUPPORT (2 @ 35' & 35')	EACH	1.00	14151.50	\$12,143.00	\$12,143.00	\$16,160.00	\$16,160.00
730-23.86	CANTILEVER SIGNAL SUPPORT (2 @ 40' & 40')	EACH	1.00	14245.00	\$13,330.00	\$13,330.00	\$15,160.00	\$15,160.00
	10% CONTINGENCY	LS	1.00	23822.63	\$22,594.16	\$22,594.16	\$25,051.10	\$25,051.10

FIBER OPTIC QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	AVG. CONTR. UNIT PRICE	STANSELL ELECTRIC COMPANY		S&W CONTRACTING COMPANY	
					UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
725-05.02	FIBER OPTIC CABLE (60 STRAND SINGLE MODE)	L.F.	600.00	2.85	\$1.90	\$1,140.00	\$3.80	\$2,280.00
730-03.23	INSTALL PULL BOX (FIBER OPTIC - TYPE A)	EACH	5.00	1164.00	\$1,078.00	\$5,390.00	\$1,250.00	\$6,250.00
730-08.40	INTERCONNECT CABLE - FIBER OPTIC (6 STRAND LOOSE TUBE SINGLE M)	L.F.	15.00	2.35	\$2.80	\$42.00	\$1.90	\$28.50
730-12.03	CONDUIT 3" DIAMETER (PVC)	L.F.	615.00	6.20	\$4.40	\$2,706.00	\$8.00	\$4,920.00
771-11.82	TRACER WIRE	L.F.	615.00	0.23	\$0.30	\$184.50	\$0.15	\$92.25

TOTAL \$257,998.30 TOTAL \$289,132.84



December 2, 2010

Mr. Eric Gardner, P.E.
Director of Engineering
City of Franklin
109 Third Avenue South, Suite 142
Franklin, TN 37064

**Re: Mallory Station Road and General George Patton Drive/Duke Drive
Traffic Signal (COF Contract No. 2010-0182)
Franklin, Williamson County, TN**
Subject: Bid Tabulation

Dear Eric:

On November 11, 2010, the City of Franklin placed the "Notice to Contractors of State Highway Construction Bids to be Received on Tuesday, December 2, 2010" in The Tennessean (Nashville, Tennessee) and on the City's website. Prior to the bid opening, four contractors obtained bid packages from RPM Transportation Consultants, LLC (RPM). On December 2, 2010, the City of Franklin received construction bids from two contractors on the above referenced project. The table below shows the basic information pertaining to each contractor's bid package.

CONTRACTOR	BONDING COMPANY	TOTAL BID
Stansell Electric Company, Inc.	The Hanover Insurance Co.	\$257,998.30
S&W Contracting Co., Inc.	The Cincinnati Insurance Co.	\$289,132.84
McGraw Hill Construction	NO BID RECEIVED	
American General Contractors	NO BID RECEIVED	

The Bid Total reported at the Bid Opening was \$289,212.53. The correct amount should be \$289,132.84. There was a miscalculation in the amount identified with line item 402-01 which carried in to the 10% Contingency.

RPM has checked the above bids to the best of our ability for errors, omissions, or irregularities in the bids as noted in the footnotes to the above table. Please note, in addition to the items footnoted above, S&W Contracting Co., Inc. did not provide a completed Drug Free Affidavit form as required by T.C.A. 50-9-113; therefore, this bidder should be considered as non-responsive. Based on the review of the completed bid documents, Stansell Electric Company Inc. is the apparent responsive low bidder.

Please contact our office if you have any questions or need any additional information.

Sincerely,
RPM Transportation Consultants, LLC

Daniel J. Spann, P.E., PTOE

Attachments

cc: Kevin Comstock, City of Franklin
Paul Holzen, City of Franklin