



HISTORIC  
FRANKLIN  
TENNESSEE

ITEM #28  
BOMA  
01/24/2012

# MEMORANDUM

January 5, 2012

**TO:** Board of Mayor and Aldermen

**FROM:** Eric S. Stuckey, City Administrator  
David Parker, P.E.; CIP Executive  
Paul P. Holzen, P.E.; Interim Director of Engineering  
Kevin E. Comstock; ITS Project Manager

**SUBJECT:** Award of TDOT PIN 103487.00 to Stansell Electric Company Inc for the Construction of the Traffic Operations Center (TOC) Phase 3 Infrastructure and Upgrades Project (City Contract #2011-0151) in an amount not to exceed \$368,699.40.

**Purpose**

The purpose of this memorandum is to provide the Board of Mayor and Aldermen (BOMA) with information regarding the TOC Phase 3 Infrastructure and Upgrades Project.

**Background**

In 2005 the City of Franklin entered into a contract with TDOT for the infrastructure improvements to the existing Intelligent Transportation System (ITS) systems along State Route 96 E between City Hall and Carothers Parkway. This work also included upgrades that installed an additional 3 CCTV cameras along SR 96 E and one at Mack Hatcher (SR 397) and South Royal Oaks.

Staff hired AECOM to design and serve as CEI on this project which went to bid in late October with a November 22<sup>nd</sup> bid Opening. AECOM reviewed the documents and determined Stansell Electric Company Inc was the lowest responsive bidder. Staff and AECOM sent these results to TDOT for concurrence which was received on Thursday, January 05, 2012.

**Tabulated Bid Results**

CONTRACTOR	AMOUNT
Stansell Electric Company Inc	\$368,699.40
S & W Contracting Company	\$744,300.25
Gannett – Fleming Project Development	*

Note: \* Gannett Fleming did not provide the necessary documentation for consideration of their bid. They were deemed non-responsive.

**Financial Impact**

The project was budgeted in the FY 2011-2012 Budget (110-89530-4160 Machinery & Equipment >\$25,000) at \$357,000 with an 80/20 match (\$285,600/\$71,400). The bid amount is \$368,699.40, an excess of \$11,699.40 (3.2%). The City's obligation to this project is the \$71,400 + 11,699.40 = \$83,099.40. The additional \$11,699.40 will be absorbed within the City's FY 2011-12 Budget.

**Recommendation**

Staff recommends approval of this contract with Stansell Electric Company, Inc in the amount not to exceed \$368,699.40.

CITY OF FRANKLIN  
Federal Project # STP-M-9305(23) ; PIN# 103487.00 ; COF Contract (2011-0151)  
TOC PHASE 3 Infrastructure and Upgrades

ITEM NO.	DESCRIPTION	ENGINEER'S OPINION			STANSELL ELECTRIC			S & W CONTRACTING		
		UNIT	QUANTITY	UNIT PRICE	COST	UNIT PRICE	COST	UNIT PRICE	COST	
105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1	\$5,000.00	\$5,000.00	\$1,848.00	\$1,848.00	\$6,000.00	\$6,000.00	
201-01	CLEARING AND GRUBBING	LS	1	\$5,000.00	\$5,000.00	\$1,232.00	\$1,232.00	\$15,000.00	\$15,000.00	
208-08.3	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	100	\$4.00	\$400.00	\$1.20	\$120.00	\$5.00	\$500.00	
208-20.3	POLYETHYLENE SHEETING (6 MIL. MINIMUM)	S.Y.	100	\$2.85	\$285.00	\$2.50	\$250.00	\$20.00	\$2,000.00	
705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.	63	\$19.50	\$1,228.50	\$22.00	\$1,386.00	\$2,016.00	\$2,016.00	
705-04.03	GUARDRAIL TERMINAL (TYPE 13)	EACH	1	\$700.00	\$700.00	\$770.00	\$770.00	\$4,800.00	\$4,800.00	
705-04.07	TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH	1	\$2,500.00	\$2,500.00	\$2,895.00	\$2,895.00	\$2,980.00	\$2,980.00	
705-04.09	EARTH PAD FOR TYPE 38 GR END TREATMENT	EACH	1	\$1,100.00	\$1,100.00	\$924.00	\$924.00	\$12,000.00	\$12,000.00	
712-01	TRAFFIC CONTROL	LS	1	\$10,000.00	\$10,000.00	\$4,300.00	\$4,300.00	\$5,000.00	\$5,000.00	
712-01.05	FLAGMAN (RAILROAD)	LS	12	\$100.00	\$1,200.00	\$120.00	\$1,200.00	\$3,000.00	\$3,000.00	
712-04.01	FLEXIBLE DRUMS	EACH	100	\$40.00	\$4,000.00	\$43.00	\$4,300.00	\$60.00	\$6,000.00	
701-05.01	WARNING LIGHTS (TYPE A)	EACH	100	\$40.00	\$4,000.00	\$27.00	\$2,700.00	\$50.00	\$5,000.00	
712-05.03	WARNING LIGHTS (TYPE C)	EACH	100	\$40.00	\$4,000.00	\$92.00	\$9,200.00	\$120.00	\$12,000.00	
712-06	SIGNS (CONSTRUCTION)	S.F.	282	\$2,500.00	\$705,000.00	\$673.00	\$190,786.00	\$75.00	\$21,150.00	
712-08.03	ARROW BOARD (TYPE C)	EACH	2	\$5,000.00	\$10,000.00	\$370.00	\$740.00	\$1,200.00	\$2,400.00	
712-08.06	UNIFORMED POLICE OFFICER	HOURLY	100	\$70.00	\$7,000.00	\$49.00	\$4,900.00	\$3,600.00	\$3,600.00	
713-16.01	CHANGABLE MESSAGE SIGN UNIT	EACH	2	\$5,000.00	\$10,000.00	\$6,500.00	\$13,000.00	\$7,500.00	\$15,000.00	
714-05.03	ELECTRIC PULL BOX (TYPE B)	EACH	1	\$350.00	\$350.00	\$370.00	\$370.00	\$1,500.00	\$1,500.00	
714-06.04	PULL BOX (MTEC SECONDARY)	EACH	5	\$350.00	\$1,750.00	\$0.90	\$4.50	\$1,200.00	\$6,000.00	
714-06.06	CABLE (1/C, #6 AWG)	L.F.	545	\$1.25	\$681.25	\$1.60	\$872.00	\$0.80	\$436.50	
714-25.01	ELECTRICAL CONNECTIONS (DEMARKATION POINTS)	EACH	3	\$650.00	\$1,950.00	\$688.00	\$2,064.00	\$3,500.00	\$10,500.00	
717-01	MOBILIZATION	LS	1	\$10,000.00	\$10,000.00	\$17,520.00	\$17,520.00	\$19,000.00	\$19,000.00	
725-10.24	POWER 2" SCH. 40 PVC (DIRECT BURY)	L.F.	255	\$4.50	\$1,147.50	\$7.20	\$1,836.00	\$5.00	\$1,275.00	
725-10.25	POWER 2" SCH. 80 PVC (BORED)	L.F.	130	\$25.00	\$3,250.00	\$21.00	\$2,730.00	\$26.00	\$3,380.00	
725-10.26	COMM. 2" SCH. 40 PVC (DIRECT BURY)	L.F.	120	\$5.60	\$672.00	\$7.40	\$888.00	\$5.00	\$600.00	
725-10.27	COMM. 3" 40 PVC W/ TWO 1" INNERDUCTS (DIRECT BURY)	L.F.	700	\$5.25	\$3,675.00	\$9.40	\$6,580.00	\$7.00	\$4,900.00	
725-10.28	COMM. 3" 40 PVC W/ TWO 1" INNERDUCTS (BORED)	L.F.	370	\$270.00	\$99,900.00	\$23.00	\$8,510.00	\$26.00	\$9,620.00	
725-10.29	DEMARKATION POINT RISER ASSEM. (ELECTRICAL)	EACH	1	\$250.00	\$250.00	\$257.00	\$257.00	\$5,000.00	\$5,000.00	
725-10.30	REWORK EXISTING CABINET	EACH	23	\$500.00	\$11,500.00	\$272.00	\$6,276.00	\$2,600.00	\$5,900.00	
725-10.31	FIBER SPLICE ENCLOSURE (AERIAL) 72 COUNT	EACH	8	\$650.00	\$5,200.00	\$1,318.00	\$10,544.00	\$1,800.00	\$14,400.00	
725-10.32	FIBER SPLICE ENCLOSURE (AERIAL) 144 COUNT	EACH	3	\$600.00	\$1,800.00	\$1,417.00	\$4,251.00	\$2,100.00	\$6,300.00	
725-10.33	FIBER SPLICE ENCLOSURE (UNDERGROUND) 72 COUNT	EACH	10	\$900.00	\$9,000.00	\$1,232.00	\$12,320.00	\$1,800.00	\$18,000.00	
725-10.35	CCTV CAMERA SYSTEM	EACH	3	\$5,000.00	\$15,000.00	\$6,263.00	\$18,789.00	\$6,200.00	\$18,600.00	
725-10.36	PRE-TERMINATED FIBER OPTIC CABLE ASSEMBLY (6 CT SMFO)	L.F.	750	\$3.25	\$2,437.50	\$4.30	\$3,225.00	\$4.00	\$3,000.00	
725-10.38	CCTV CAMERA SYSTEM W/ EXTENSION ARM	EACH	1	\$6,000.00	\$6,000.00	\$8,585.00	\$8,585.00	\$8,860.00	\$8,860.00	
725-10.40	FIBER OPTIC RISER ASSEMBLY W/WEATHERHEAD	EACH	6	\$400.00	\$2,400.00	\$283.00	\$1,698.00	\$1,000.00	\$6,000.00	
725-10.41	EXTERIOR RATED ETHERNET CABLE	L.F.	400	\$5.00	\$2,000.00	\$1.20	\$480.00	\$6.00	\$2,400.00	
725-10.42	FIBER OPTIC GATOR PATCH (6 COUNT SMFO)	L.F.	2420	\$3.50	\$8,470.00	\$7.50	\$18,150.00	\$3.00	\$7,260.00	
725-10.43	FIBER OPTIC GATOR PATCH (12 COUNT SMFO)	L.F.	520	\$5.00	\$2,600.00	\$11.00	\$5,720.00	\$3.00	\$1,560.00	
725-10.44	REMOVE EXISTING 12 COUNT FIBER OPTIC CABLE	LS	1	\$20,000.00	\$20,000.00	\$5,605.00	\$5,605.00	\$4,000.00	\$4,000.00	
725-10.46	FIBER OPTIC CABLE - AERIAL (48 COUNT SMFO)	L.F.	15635	\$2.50	\$39,087.50	\$1.50	\$23,452.50	\$3.25	\$50,813.75	
725-10.47	FIBER OPTIC CABLE - UNDERGROUND (48 COUNT SMFO)	L.F.	6015	\$2.00	\$12,030.00	\$1.50	\$9,022.50	\$3.00	\$18,045.00	
725-10.48	CABLE MARKERS	LS	1	\$10,000.00	\$10,000.00	\$924.00	\$924.00	\$2,000.00	\$2,000.00	
725-10.49	UNINTERRUPTIBLE POWER SUPPLY (WINETWORK CARD)	EACH	500	\$12.50	\$6,250.00	\$4.60	\$2,300.00	\$3,000.00	\$15,000.00	
725-10.50	TERMINAL SERVER (SINGLE PORT)	EACH	20	\$550.00	\$11,000.00	\$555.00	\$11,100.00	\$1,800.00	\$36,000.00	
725-10.51	BURN-IN	EACH	21	\$300.00	\$6,300.00	\$438.00	\$9,198.00	\$8,000.00	\$16,000.00	
725-10.52	AS BUILT PLANS	LS	1	\$10,000.00	\$10,000.00	\$3,167.00	\$3,167.00	\$8,000.00	\$8,000.00	
730-03.23	INSTALL PULL BOX (FIBER OPTIC TYPE-A)	EACH	4	\$2,500.00	\$10,000.00	\$1,000.00	\$4,000.00	\$10,000.00	\$10,000.00	
730-03.24	INSTALL PULL BOX (FIBER OPTIC TYPE-B)	EACH	4	\$500.00	\$2,000.00	\$1,007.00	\$4,028.00	\$1,800.00	\$7,200.00	
730-09.01	SPAN WIRE ASSEMBLY (10,800 LBS. MIN. BRK. STRENGTH)	L.F.	1	\$750.00	\$750.00	\$1,348.00	\$1,348.00	\$2,200.00	\$2,200.00	
730-15.07	CABINET (MODEL 336A)	L.F.	375	\$0.61	\$228.75	\$2.00	\$750.00	\$750.00	\$2,812.50	
730-16.14	CONTROLLER (IP)	EACH	3	\$4,500.00	\$13,500.00	\$3,363.00	\$10,089.00	\$5,800.00	\$17,400.00	
730-22.36	CCTV POLE 60FT HEIGHT/LOWERING DEVICE	EACH	15	\$2,600.00	\$39,000.00	\$3,165.00	\$47,475.00	\$47,925.00	\$47,925.00	
801-03	WATER (SEED AND SODDING)	M.G.	3	\$12,000.00	\$36,000.00	\$53,157.00	\$17,149.00	\$19,160.00	\$57,480.00	
803-01	SODDING (NEW SOD)	S.Y.	1000	\$100.00	\$100,000.00	\$123.00	\$123,000.00	\$100.00	\$100,000.00	

SUBTOTAL	\$382,847.00	\$368,699.40	\$744,300.25
CONTINGENCY (0%)			
TOTAL	\$382,847.00	\$368,699.40	\$744,300.25