



HISTORIC
FRANKLIN
TENNESSEE

ITEM #17
CIC
04-10-12

MEMORANDUM

March 27, 2012

TO: Capital Investment Committee

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: Consideration of Change Order Number 5 and 6 (Final Change) for the Franklin ITS ARRA Project (COF 2010-0091) for a Decrease in the contract Amount of \$140,479.63

Purpose

The purpose of this memorandum is to provide the Capital Investment Committee (CIC) with information for consideration in the Close Out with Final Change Orders # 5 and #6 and Notice of Warranty for the Franklin Intelligent Transportation System (ITS) ARRA Project.

Background

On August 11, 2011 the Franklin ITS ARRA Project began. The project provided ITS infrastructure to the Cool Spring, Mallory and Carothers Corridors. As of December 21, 2011 the project was substantially complete.

Stansell Electric Company Inc. bid the project at \$1,048,529.70. In November, BOMA approved C.O # 4, which raised the project cost to \$1,062, 259.70.

Change Order #5 credits the City for Ethernet Switches purchase by Stansell Electric for this project. Those switches were replaced with City of Franklin purchased equipment to maintain the proper chain of ownership with the Switch Manufacturer, Cisco. That Change Order is a credit in the amount of \$32,426.93.

Final Change Order # 6 is the result of reconciliation of billings and payments. This is the final Change Order for the Construction phase of this project. Through good management practices, inspection and coordination with the contractor the final change order is a further reduction of \$108,052.70

Financial Impact

The total project bid was \$1,048,529.70. With all change orders approved the final project cost is \$126,749.63, (-12.1%). This project is a 100% TDOT funded ARRA project without a local match.

Recommendation

Staff recommends approval of these final change orders with acceptance of the Notice of Warranty.

**Request for Construction Change
Change Order No. 5**

City of Franklin
Engineering Office
109 Third Avenue South
Franklin, TN 37064

Contract No. 2010-0091
Project Franklin ITS ARRA Project
Federal Project #: ARRA STP-M-9305(24)
State Project #: 94-LPLM-F3-020

Whereas, we Stansell Electric Company, Inc. entered into an contract with the CITY OF FRANKLIN, on August 11, 2010, for the construction by said Contractor of the above designated contract; and Whereas, certain items of construction encountered are not covered by the original contract, we desire to submit the following additional items of construction to be performed by the Contractor and paid by the City at the prices scheduled therefore below:

Reason for Change Order:

This project originally specified Cisco 2955-S Ethernet switches. Through the course of the project it was later determined that the Stansell procurement of the switch created licensing and use issues between MIT and Cisco. The decision was made by MIT/TOC and Administrative Staff to use an upgraded Cisco IE-3000 switch for this project. Those switches were purchase by MIT through a GSA with Cisco and their local vendor. The switches procured by Stansell were returned and a credit is being issued to them for this return. This document formalizes those actions as required by the "Transparency and Accountability" directives of the American Recovery and Reinvestment Act of 2009.

Attachments (List documents supporting change):

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Item No.	Description of Work	Bid Qty.	New Qty.	Quantity (+/-)	Unit Price	Amount
725-02.25	Field Hub Switch	29	0	-29	\$2,012.00	(-\$ 58,348.00)
725-02.25	Field Hub Switch – Restock and Handling	0	29	29	\$893.83	\$25,921.07
TOTAL						(- \$32,426.93)

CHANGE IN CONTRACT PRICE:
Original Contract Price <u>\$1,048,529.70</u>
Net Increase (Decrease) from previous Change Orders No. 1 to 4: <u>\$13,370.00</u>
Contract Price prior to this Change Order: <u>\$1,062,259.70</u>
Net increase (decrease) of this Change Order: <u>(\$32,426.93)</u>
Contract Price with all approved Change Orders: <u>\$1,029,832.77</u>

CHANGE IN CONTRACT TIMES:
Original Contract Times: Substantial Completion: <u>365</u> Ready for final payment: _____
Net change from previous Change Orders No. 1 to 4 to: Substantial Completion: <u>141</u> Ready for final payment: _____
Contract Times prior to this Change Order: Substantial Completion: <u>506</u> Ready for final payment: _____
Net increase (decrease) this Change Order: Substantial Completion: <u>0</u> Ready for final payment: _____
Contract Times with all approved Change Orders: Substantial Completion: <u>506</u> Ready for final payment: _____

Now, Therefore, We, Stansell Electric Company Inc. Contractors, hereby agree to this Supplemental Agreement consisting of the above mentioned items and prices, and agree that this Supplemental Agreement is hereby made a part of the original contract and will be performed by this Contractor in accordance with specifications thereof, and that the original contract remain in full force and effect, except in so far as specifically modified by this supplemental Agreement.

RECOMMENDED FOR APPROVAL BY:

By: Paul P. [Signature]
ENGINEER

By: [Signature]
CITY PROJECT MANAGER

By: Paul P. [Signature]
DIRECTOR OF ENGINEERING

Date: 2/24/2012

Date: 2/24/2012

Date: 2/24/2012

ACCEPTED

By: [Signature]
CONTRACTOR (Authorized Signature)

Date: 3/12/12

APPROVED:

By: _____
OWNER (Authorized Signature)

Date: _____

**Request for Construction Change
Final Change Order No. 6**

City of Franklin
Engineering Office
109 Third Avenue South
Franklin, TN 37064

Contract No. 2010-0091
Project Franklin ITS ARRA Project
Federal Project #: ARRA STP-M-9305(24)
State Project #: 94-LPLM-F3-020

Whereas, we Stansell Electric Company, Inc. entered into an contract with the CITY OF FRANKLIN, on August 11, 2010, for the construction by said Contractor of the above designated contract; and Whereas, certain items of construction encountered are not covered by the original contract, we desire to submit the following additional items of construction to be performed by the Contractor and paid by the City at the prices scheduled therefore below:

Reason for Change Order:

This project is substantially completed as of 12/21/2011. This change order represents the remaining line item adjustments for this project.

Attachments (List documents supporting change):

Item No.	Description	Est. Quan.	Unit Price	Total Quantity Used	Contract Cost Additions / Reductions
105-01	CONSTRUCTION STAKES, LINES AND GRADES	1	\$3,000.00	0.00	\$ (3,000.00)
201-01	CLEARING AND GRUBBING	1	\$1,775.00	0.00	\$ (1,775.00)
203-01.51	TRENCHING	990	\$11.00	2117.00	\$ 12,397.00
209-03.21	FILTER SOCK (12 INCH)	2000	\$8.80	0.00	\$ (17,600.00)
209-05	SEDIMENT REMOVAL	20	\$24.00	0.00	\$ (480.00)
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	120	\$59.00	21.92	\$ (5,786.72)
307-01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	49	\$130.00	0.00	\$ (6,370.00)
307-01.07	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M	24	\$130.00	12.07	\$ (1,550.90)
402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	0.3	\$957.00	0.00	\$ (287.10)
402-02	AGGREGATE FOR COVER MATERIAL (PC)	0.9	\$248.00	0.00	\$ (223.20)
403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	0.1	\$957.00	0.00	\$ (95.70)
403-02	ASPHALT CEMENT FOR TACK COAT (TC)	0.1	\$957.00	0.00	\$ (95.70)

411-01.11	ACS MIX(PG64-22) GRADING E RDWY	17	\$142.00	12.06	\$ (701.48)
604-01.01	CLASS A CONCRETE (ROADWAY)	38.5	\$161.00	0.00	\$ (6,198.50)
701-01.01	CONCRETE SIDEWALK (4 ")	375	\$12.00	570.35	\$ 2,344.20
701-02.03	CONCRETE HANDICAP RAMP	105	\$19.00	125.00	\$ 380.00
702-03	CONCRETE COMBINED CURB & GUTTER	4.6	\$642.00	1.06	\$ (2,272.68)
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	100	\$46.00	0.00	\$ (4,600.00)
712-06	SIGNS (CONSTRUCTION)	370	\$9.80	309.00	\$ (597.80)
712-08.03	ARROW BOARD (TYPE C)	2	\$1,536.00	0.00	\$ (3,072.00)
712-08.06	UNIFORMED POLICE OFFICER	200	\$47.00	6.00	\$ (9,118.00)
714-05.04	PULL BOXES (TYPE C)	12	\$378.00	10.00	\$ (756.00)
725-02.25	FIELD HUB SWITCH	28	\$2,012.00	29.00	\$ 2,012.00
725-02.79	FIBER SPLICE ENCLOSURE	35	\$561.00	34.00	\$ (561.00)
725-02.79	FIBER SPLICE ENCLOSURE(AERIAL)	2	\$532.00	0.00	\$ (1,064.00)
725-03.74	SPARE PARTS	1	\$5,190.00	0.61	\$ (2,012.00)
725-05.06	FUSION SPLICE	36	\$502.00	33.00	\$ (1,506.00)
725-10.36	PRE-TERMINATED FIBER OPTIC CABLE ASSEMBLY (6 COUNT SMFO)	3210	\$6.00	6908.00	\$ 22,188.00
725-10.41	EXTERIOR RATED ETHERNET CABLE	6910	\$1.10	3418.00	\$ (3,841.20)
725-10.45	FIBER OPTIC CABLE - AERIAL (48 COUNT SMFO)	200	\$1.50	0.00	\$ (300.00)
725-10.65	FIBER OPTIC CABLE (48 COUNT SMFO)	33980	\$1.50	41888.00	\$ 11,862.00
725-10.66	FIBER OPTIC DROP CABLE (6 COUNT SMFO)	8250	\$0.95	8320.00	\$ 66.50
725-10.67	FIBER OPTIC BRANCH CABLE (12 COUNT SMFO)	7440	\$1.00	9844.00	\$ 2,404.00

730-03.23	INSTALL PULL BOX (FIBER OPTIC-TYPE A)	81	\$940.00	72.00	\$ (8,460.00)
730-03.24	INSTALL PULL BOX (FIBER OPTIC-TYPE B)	22	\$1,128.00	21.00	\$ (1,128.00)
730-05.02	SERVICE CABLE (2 CONDUCTOR, # 8 AWG)	1370	\$0.70	1800.00	\$ 301.00
ITEMS SUBTOTAL					\$ (111,914.70)
Item No.	Residual Stored Materials Description turned over to City of Franklin	Est. Quan.	Unit Price	Total Quantity Used	Contract Cost Additions / Reductions
714-05.04	PULL BOX (TYPE C) (STORED MATERIALS)	12	\$180.00	10	\$ (360.00)
730-03.23	PULL BOX (FIBER OPTIC TYPE A)	72	\$367.00	81	\$ 3,303.00
730-03.24	PULL BOX (FIBER OPTIC TYPE B)	20	\$559.00	21	\$ 559.00
ITEMS TOTAL					\$ (108,052.70)

CHANGE IN CONTRACT PRICE:
Original Contract Price <u>\$1,048,529.70</u>
Net Increase (Decrease) from previous Change Orders No. <u>1</u> to <u>5</u> : <u>(\$18,696.93)</u>
Contract Price prior to this Change Order: <u>\$1,029,832.77</u>
Net increase (decrease) of this Change Order: <u>(\$108,052.70)</u>
Contract Price with all approved Change Orders: <u>\$921,780.07</u>

CHANGE IN CONTRACT TIMES:
Original Contract Times: Substantial Completion: <u>365</u> Ready for final payment: _____
Net change from previous Change Orders No. <u>1</u> to <u>4</u> to: Substantial Completion: <u>141</u> Ready for final payment: _____
Contract Times prior to this Change Order: Substantial Completion: <u>506</u> Ready for final payment: _____
Net increase (decrease) this Change Order: Substantial Completion: <u>0</u> Ready for final payment: _____
Contract Times with all approved Change Orders: Substantial Completion: <u>506</u> Ready for final payment: _____

Now, Therefore, We, Stansell Electric Company Inc. Contractors, hereby agree to this Supplemental Agreement consisting of the above mentioned items and prices, and agree that this Supplemental Agreement is hereby made a part of the original contract and will be performed by this Contractor in accordance with specifications thereof, and that the original contract remain in full force and effect, except in so far as specifically modified by this supplemental Agreement.

RECOMMENDED FOR APPROVAL BY:

By: Paul P. H. [Signature]
ENGINEER

By: [Signature]
CITY PROJECT MANAGER

By: Paul P. H. [Signature]
DIRECTOR OF ENIGNEERING

Date: 3/30/12

Date: 3/30/2012

Date: 3/30/12

ACCEPTED

By: _____
CONTRACTOR (Authorized Signature)

Date: _____

APPROVED:

By: _____
OWNER (Authorized Signature)

Date: _____