



HISTORIC
FRANKLIN
TENNESSEE

ITEM #8
CIC
07-11-13

MEMORANDUM

June 27, 2013

TO: Board of Mayor and Alderman

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

SUBJECT: Consideration of Change Order # 2 for equipment for the Franklin TOC Phase 3 Field Hardware Project. Contract 2011-0151 (Change Order 002)

Purpose

The purpose of this memorandum is to provide the Board of Mayor and Aldermen (BOMA) with information to consider a change order for the Franklin TOC Phase 3 Field Hardware Project.

Background

On January 24, 2012 the City of Franklin and Stansell Electric Company, Inc. began construction of the Franklin TOC Phase 3 Field Hardware Project. On August 22, 2012, BOMA approved Change Order #1 for this project in the amount of \$18,900. During the course of this project several additional communication connection problems arose from changes in field conditions and some additional emergency repairs required as a result. The attached Change Order #2 reflects the items that were determined by staff and the City's CEI Contractor to be required.

The project required significant additional fiber optic splicing due to the Mack Hatcher project and changes indicated as necessary by the City's IT Department. A specific instance was an unanticipated change in field conditions that required emergency repairs. The total for Change Order # 2 is \$24,259.

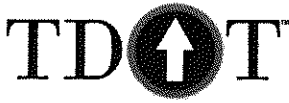
The City should also award two-hundred three (203) additional days for this project due to the delays caused by the Mack Hatcher and IT delays. This extends the contract time from 270 days to 473 and makes the project now due on June 30th, 2013.

Financial Impact

Staff is submitting this change order to TDOT for approval and potential funding. As this project is an 80/20 match federally funded project the total change order request is for \$24,259 (\$19,407.20/4,851.80). The Project Contract amount is \$411,858.40. The City, the Contract Inspection Consultant and the Contractor are currently finishing the final close out change order that will result in a reduction of this overall total. Addition funds would be paid out of the Traffic Operations Center Capital Budget (89530 – Machinery & Equipment (>\$25,000).

Recommendation

Staff recommends approval of this change order.



**Supplemental Agreement and/or Request for Construction Change
Change Order Request # 002**

| | | | |
|------------------------|--|----------------------|-----------------------|
| Project Title/Termini: | <u>TOC Phase 3 - Infrastructure and Upgrades</u> | | |
| Owner: | <u>City of Franklin, TN</u> | PIN: | <u>103487.00</u> |
| Address: | <u>109 Third Ave South</u> | State Project No.: | <u></u> |
| | <u>Room 142</u> | Federal Project No.: | <u>STP-M-9305(23)</u> |
| Date Prepared: | <u>4/30/2013</u> | Contract No.: | <u>50138</u> |
| | | County: | <u>Williamson</u> |

Whereas, we Stansell Electric Company, Inc. with Travelers Indemnity, as a Surety, entered into a contract with the City of Franklin, TN, on January 24, 2012, 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 Owner at the price(s) scheduled therefore below:

The purpose of this Change Order is to:

Add Item 725-10.60, Reconfigure Existing Fiber Splice Enclosure, 9 each. Due to the Mack Hatcher project delaying the completion of the fiber run to City Hall, an alternate method of bringing the 10 Gb fiber loop back into City Hall was developed. This required reconfiguring existing splices in the Cool Springs area and a few on this project. Requesting an additional \$443 each that includes all labor, equipment, and materials required for this work.

Add Item 725-10.61, Install City Provided Fiber Optic Type B Pull Box, 1 each. At Center Point Place, adjacent to CCTV #2, the decision was made to replace the existing pull box with a Type B due to the space required for the new splice enclosure. The City provided the pull box and the Contractor installed it as part of this project. Requesting an additional \$540 that includes all labor and equipment for this work.

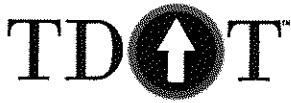
Add Item 725-10.62, Modify Existing 10Gb Switch Cabinets, 3 each. The City of Franklin MIT Department installed 10Gb switches and cabinets as a separate project. Upon investigation, the 10Gb switches would not be powered by the Uninterruptable Power Supply (UPS) during a power outage. The contractor reworked the wiring so the switch would be powered by the UPS and the air conditioner would not pull from the UPS. Requesting an additional \$295 at each location for all labor, equipment, and materials required for this work.

Add Item 725-10.63, Install Messenger Cable to Replace Composite Cable, 5615 LF. The existing twisted pair cabling was not supported with a separate messenger cable for a portion of the project. It was a composite cable and messenger wire molded into one cable. The City requested the existing composite cable and messenger be removed and a separate messenger cable be installed for the new fiber optic cabling. Requesting an additional \$1.80 per linear foot that includes all associated labor, equipment, and materials required for this work.

Add Item 725-10.64, Install #10 Tracer Wire, 650 LF. The City requested additional tracer wire be installed at locations not noted in the plans. Requesting an additional \$0.60 per linear foot that includes all associated labor, equipment, and materials required for this work.

Add Item 725-10.65, Install 10ft U-Guard, 2 each. The City of Franklin elected to not install new fiber optic riser assemblies as called out in the plans, but install 2 additional u-guards at the poles on either side of the Harpeth River. Requesting an additional \$130.00 each that includes all associated labor, equipment, and materials required for this work.

Add Item 706-01, Guardrail Removed, 1 lump sum. The City of Franklin made a request to remove the Type 13 end treatment at CCTV#11 (Pinkerton Park) and replace with a Type 38 terminal. The existing terminal becomes property of the City of Franklin. The new Type 38 terminal will be installed using an existing item



number. Requesting a lump sum of \$595 that includes all mobilization, labor, equipment, and materials for this work.

Add Item 801-01, Seeding (with Mulch), 34.70 Units. Seeding with mulch was requested in lieu of sod at several locations resulting in an overall cost savings. This item includes all labor, equipment, and materials required for this work.

Add Item 104-04.02, Additional Work (Splicing at Head-End for Franklin MIT Dept), 1 lump sum. The City of Franklin requested a price from Stansell to perform splicing at the head-end of the new fiber optic system in City Hall. This work was originally supposed to be performed by City forces, but due to workload and other factors, has not been able to complete the task. This item includes all, labor, equipment, and materials required for this work.

Add Item 104-04.03, Additional Work (Emergency Repairs), 1 lump sum. The City of Franklin requested the contractor perform repairs due a cable being cut supplying data to the fire department. The line was to be cut at the time of the plans development, but since then the City MIT group replaced the line and the contractor cut the active line.

An additional 63 days is requested due to the delay in shipment of CCTV pole components and issues with the City of Franklin supplied switches along with the Mack Hatcher project interaction with this project. An additional 140 days is being requested due to various delays in the integration with the existing City MIT network. This moves the completion date to June 30, 2013.

As a result of this Change Order, contract time shall:

Not Change, Increase by 203 days, Decrease by _____ days

Original contraction Completion Time: 270 days

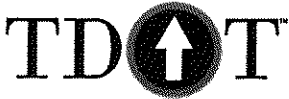
Approved Change Orders: 3

Current Change Order: 203

Contract Completion Time with Change Orders: 476 (June 30, 2013) days (mth/day/yr)

Unit prices listed below include labor, materials, profit, overhead, and incidentals necessary to complete this work.

| Item No. | Description | Unit | Current/ Pending Quantities | Revised Quantities | QTY Over + QTY Under - | Contract Price | Net Amount Due Change |
|-----------|---|------|-----------------------------------|-----------------------|------------------------------|-------------------|--------------------------------|
| 725-10.60 | Reconfigure Existing Fiber Splice Enclosure | EA | 0 | 9 | +9 | \$443.00 | \$3987.00 |
| 725-10.61 | Install City Provided Fiber Optic Type B Pull Box | EA | 0 | 1 | +1 | \$540.00 | \$540.00 |
| 725-10.62 | Modify Existing 10Gb | EA | 0 | 3 | +3 | \$295.00 | \$885.00 |



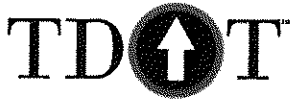
| | | | | | | | |
|-----------|--|------|---|-------|--------|-----------|-------------|
| | Switch Cabinets | | | | | | |
| 725-10.63 | Install Messenger Cable to Replace Composite Cable | LF | 0 | 5615 | +5615 | \$1.80 | \$10,107.00 |
| 725-10.64 | Install #10 Tracer Wire | LF | 0 | 650 | +650 | \$0.60 | \$390.00 |
| 725-10.65 | Install 10ft U-Guard | EA | 0 | 2 | +2 | \$130.00 | \$260.00 |
| 706-01 | Guardrail Removed | LS | 0 | 1 | +1 | \$595.00 | \$595.00 |
| 801-01 | Seeding (with Mulch) | UNIT | 0 | 34.70 | +34.70 | \$24.40 | \$846.68 |
| 104-04.02 | Additional Work (Splicing at Head-End for Franklin MIT Dept) | LS | 0 | 1 | +1 | \$1775.00 | \$1775.00 |
| 104-04.03 | Additional Work (Emergency Repairs) | LS | 0 | 1 | +1 | \$4873.32 | \$4873.32 |

Bid Contract Amount: \$368,699.40
 Current Change Order: \$24,259.00
 Approved Change Orders: \$18,900.00
 Pending Change Orders: \$Balance change order to deduct underruns
 Total Change Orders to Date: \$43,159.00 (Current Contract Total = \$411,858.40)

**Supplemental Agreement and/or Request for Construction Change
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| | Room 142 | Federal Project No.: | STP-M-9305(23) |
| Date Prepared: | 4/30/2013 | Contract No.: | 50138 |
| | | County: | Williamson |

Now, Therefore, We, Stansell Electric Company, Inc., Contractors, and Travelers Indemnity, Surety, hereby agree to the 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 an effect, except insofar as specifically modified by this Supplemental Agreement.



Recommended for Approval

By: _____
Engineer/CEI Date

Approved By:

By: _____
Contractor Date

By: _____
Owner Date

Approved for Eligibility:

By: _____
Local Programs Planner Date