



MEMORANDUM

June 11, 2014

TO: Board of Mayor and Aldermen

FROM: Eric Stuckey, City Administrator
David Parker, City Engineer/CIP Executive
Paul Holzen, Director of Engineering
Mark Hilty, Director of Water Management
Patricia Proctor, Utilities Engineer II

SUBJECT: **Consideration of Change Order No. 1 (Final Change Order) for the 7th Avenue/Fair Street Intersection to 5th Avenue North Sanitary Sewer Improvements Project COF Contract No. 2012-0193**

Purpose

The purpose of this memo is to recommend approval of Change Order No. 1 (Final Change Order) for the 7th Avenue/Fair Street Intersection to 5th Avenue North Sanitary Sewer Improvements Project (COF Contract No. 2012-0193) with Stewart Richey.

Background

The Board of Mayor and Aldermen (BOMA) approved the construction contract for the above referenced project with Stewart Richey on March 26, 2013 in the amount of \$409,045.75. The Notice to Proceed was issued on April 29, 2013 and work began on that day. All of the work was completed by September 13, 2013. Part of this change order will be an increase of the contract time from August 26, 2013 to September 13, 2013.

Financial Impact

Change Order No. 1 will be a contract cost DECREASE of \$14,301.92

Original Contract Price: \$409,045.75

Final Change Order: -\$14,301.92

Final Contract Price: \$394,743.83

Recommendation

Staff recommends approval of Change Order No. 1 (Final Change Order) to the construction contract (COF 2012-0193) with Stewart Richey. The final contract total price will be \$394,743.83. The approved contract time will go from 120 calendar days to 138 calendar days with the time extension.

**Request for Construction Change
Change Order No. 1 - FINAL**

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

Contract No. 2012-0193
Project 7th Avenue/Fair Street Intersection to
5th Avenue North Sanitary Sewer
Improvements

Whereas, we Stewart Richey Construction, Inc. entered into a contract with the CITY OF FRANKLIN, on March 26, 2013, 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:

- Final adjusting Change Order reflecting balance remaining at end of the contract

Attachments (List documents supporting change):

- Letter dated March 31, 2014 from Stewart Richey Construction describing amount deducted from Project Contingency Allowance
- Schedule of Values from the last pay request to show amount left in the Contract

<u>Pay Request No.</u>	<u>Amount</u>	<u>Total Amount Paid</u>
1	\$113,798.58	\$113,798.58
2	\$103,224.69	\$217,023.27
3	\$102,932.18	\$319,955.45
4	\$45,262.60	\$365,218.05
5	\$29,525.78	\$394,743.83

CHANGE IN CONTRACT PRICE:
Original Contract Price \$409,045.75
Net Increase (Decrease) from previous Change Orders No. 0 to <u>1</u> : \$0.00
Contract Price prior to this Change Order: \$409,045.75
Net increase (decrease) of this Change Order: (\$14,301.92)
Contract Price with all approved Change Orders: \$394,743.83

CHANGE IN CONTRACT TIMES:
Original Contract Times: Substantial Completion: <u>7/27/2013</u> Ready for final payment: <u>8/26/2013</u>
Net change from previous Change Orders No. 0 to <u>1</u> to: Substantial Completion: <u>7/27/2013</u> Ready for final payment: <u>9/13/2013</u>
Contract Times prior to this Change Order: Substantial Completion: <u>7/27/2013</u> Ready for final payment: <u>8/26/2013</u>
Net Increase (decrease) this Change Order: Substantial Completion: <u>09/13/2013</u> Ready for final payment: <u>04/04/2014</u>
Contract Times with all approved Change Orders: Substantial Completion: <u>09/13/2013</u> Ready for final payment: <u>04/04/2014</u>

Now, Therefore, We, **Stewart Richey Construction, Inc.**, (Contractor) 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: Michael Orr ENGINEER: **GS&P** By: Patricia Proctor CITY PROJECT MANAGER By: _____ DIRECTOR OF ENIGNEERING

Date: 4/25/14 Date: 5/13/14 Date: _____

ACCEPTED

By: [Signature]
CONTRACTOR (Authorized Signature)
Date: 9/27/2014

APPROVED:

By: _____
OWNER (Authorized Signature)
Date: _____

March 31, 2014

Michael L. Orr, PE
Gresham, Smith and Partners
1400 Nashville City Center, 511 Union Street
Nashville, TN 37219-1733



Re: FRANKLIN, TN – WEST MAIN STREET FINAL PAY REQUEST ALLOWANCE ITEMS

The following tasks were completed as "Allowance Items" part of the West Main Street Water & Sewer Replacement-Phase 2 project:

1. **Fire hydrant relocation at Fair Street & 7th Street** – The relocation of the fire hydrant was included on the plan set but no pay item was on the bid tabs. This work was completed on 9/9/2013. **Allowance Amount: \$1,820.00**
2. **Adjust water valve box in roadway** – Three existing valve boxes that were in the roadway were adjusted to black top grade. These valve boxes had been paid over and were inaccessible prior to the adjustment. This work was completed between July 16 and August 1, 2013 during the installation of the DIP waterline. **Allowance Amount: \$525.00**
3. **Raise Sag in Line – MH 5-3 to MH 5-4** – Post camera inspection of this line after pipe bursting revealed that there was a sag in the line. Review of pre-pipe busting records showed that the sag in the line existed prior to pipe bursting. Stewart Richey open cut approximately 20 linear feet on the first mobilization and an additional 30 linear feet on the second mobilization of line, adjusted the sags, backfilled the full depth with crushed stone, replaced a section of curb and asphalt patched the excavation trench. This work was completed on 10/11/13 and additional repair on 11/18/13. **Allowance Amount: \$6,992.50 Full-Depth Stone \$1,800**

If any additional information is needed please let me know.

Sincerely,
Jeremy Rodgers, EIT
Project Manager



SCHEDULE OF VALUES

OWNER: City of Franklin, Tennessee

CONTRACTOR: Stewart-Richey Construction, Inc

PROJECT: West Main St Water and Sewer Replacement Phase 2

PROJECT ENGINEER: Graham, Smith and Partners

FOR PERIOD: 11/28/13 - 2/28/14

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Pay Estimate No

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Item No.	Quantity	Unit	Unit Price	Scheduled Value	Units Completed		Work Completed		Total	Undersub/Oversub
					Previously This Period	Total	Previously	This Period		
Part A - Sewer										
1	Gravelly Sewer									
	a. 12" DIP Protecto-401 Lined (Inside Roadway)	400	LF	\$128.00	\$ 50,000.00	403.00	408.00	\$ 50,375.00	\$	\$ 375.00
	b. 12" PVC SDR 35 (Inside Roadway)	80	LF	\$88.65	\$ 4,982.00	74.00	74.00	\$ 4,340.10	\$	\$ 351.90
	c. 8" PVC SDR 35 (Inside Roadway)	80	LF	\$49.50	\$ 3,960.00	4.00	4.00	\$ 198.40	\$	\$ 3,769.60
	d. 8" PVC SDR 35 (Inside/Outside Roadway)	100	LF	\$29.65	\$ 2,965.00			\$	\$	\$ 2,965.00
2	Manholes									
	a. 4-ft Dia 18ft Incl. Water-tight Frame & Cover, (0'-6-ft deep)	7	EA	\$3,270.00	\$ 22,890.00	7.00	7.00	\$ 22,890.00	\$	\$
	b. Additional Depth for 4-ft Dia 18ft Incl. (0'-6-ft deep)	80	LF	\$195.00	\$ 11,700.00	51.81	51.81	\$ 10,102.95	\$	\$ 1,597.05
	c. Drop Manhole Assembly, (Outside)	1	EA	\$4,120.00	\$ 4,120.00	2.00	2.00	\$ 8,240.00	\$	\$ (4,120.00)
3	Trenchless Installation, 12" HDPE Pipe Bursting Inc Ex 8" Manhole	500	LF	\$78.00	\$ 39,500.00	448.00	448.00	\$ 35,392.00	\$	\$ 4,108.00
4	Latent Service Correction									
	a. Gravity Sewer Correction Incl. Cleanout	2	EA	\$835.00	\$ 1,270.00			\$	\$	\$ 1,270.00
	b. Pipe Bursting Sewer Correction Incl. Cleanout	2	EA	\$865.00	\$ 1,730.00			\$	\$	\$ 1,730.00
5	Bypass Pumping for Sewer Installation	1	LS	\$1,515.00	\$ 1,515.00	1.00	1.00	\$ 1,515.00	\$	\$
6	Trunk Sewer Connector to Ex. Manhole	1	LS	\$465.00	\$ 465.00	1.00	1.00	\$ 465.00	\$	\$
7	Pipeline Cleaning and CCTV for Pipe Bursting, Pre-Installation	500	LF	\$9.30	\$ 4,180.00	537.80	537.80	\$ 4,482.08	\$	\$ (312.08)
8	Final Video Inspection of New Sewer Lines	1,120	LF	\$2.00	\$ 2,240.00	1,120.00	1,120.00	\$ 2,240.00	\$	\$
Subtotal Part A										
					\$ 140,898.00			\$ 140,220.53	\$	\$ 10,898.47
Part B - Water										
9	6" Ductile Iron Water Line	440	LF	\$39.00	\$ 17,160.00	421.90	421.90	\$ 16,442.40	\$	\$ 717.60
10	Ductile Iron Fittings	400	LBS	\$3.80	\$ 1,520.00	397.00	397.00	\$ 1,508.80	\$	\$ 11.40
11	Connect to Existing 8" Gate Valve	2	EA	\$495.00	\$ 990.00	2.00	2.00	\$ 990.00	\$	\$
12	Reconnected Water Service Assembly	5	EA	\$730.00	\$ 3,650.00	4.00	4.00	\$ 2,920.00	\$	\$ 730.00
13	Install New Water Meter Box	5	EA	\$280.00	\$ 1,250.00	1.00	1.00	\$ 280.00	\$	\$ 1,000.00
14	New Water Service Line, Type K Copper	80	LF	\$21.45	\$ 1,297.00	58.00	58.00	\$ 1,201.20	\$	\$ 85.80
					\$ 26,957.00			\$ 23,312.20	\$	\$ 2,544.80
Part C - General Construction										
15	Road & Trench Repair									
	a. Milling 1.5" Asphalt Pavement	900	SY	\$16.50	\$ 11,940.00	1,387.00	1,387.00	\$ 27,203.30	\$	\$ (15,263.30)
	b. Asphalt Paving & Utility Trench Repair, 24x2 (TDDOT Item No 307-02-08), 6" Depth, Incl. Stripping	656	TON	\$148.00	\$ 79,176.00	391.98	646.18	\$ 88,296.02	\$	\$ (23,571.80)
	c. Aggregate base in R.O.W. (TDDOT Item No 305-01), 9" Depth	885	TON	\$16.95	\$ 14,881.75	259.50	694.13	\$ 6,388.53	\$	\$ 5,183.48
	d. Asphalt Surface, TDDOT Item No 411-01 (17) PG64-22 (Including E), 1.5" Depth, Incl. Stripping	250	TON	\$148.00	\$ 36,500.00	357.81	357.81	\$ 52,240.28	\$	\$ (15,740.28)
	e. Concrete Parking Lot, 6" Thick, Incl. Stripping	160	SY	\$52.25	\$ 8,320.00	166.51	166.51	\$ 10,905.96	\$	\$ (2,585.96)

SCHEDULE OF VALUES

OWNER: City of Franklin, Tennessee

PROJECT: West Main St. Water and Sewer Replacement Phase 2

Pay Estimate No. 5

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CONTRACTOR: Stewart Ritchey Construction, Inc.

PROJECT ENGINEER: Gresham, Smith and Partners

FOR PERIOD: 11/28/13 - 2/28/14

Item No.	Description	Quantity	Unit	Unit Price	Scheduled Value	Units Completed		Previously	Work Completed This Period	Total	Previously	Work Completed This Period	Total	Underspan/Overrun
						Previously	This Period							
16	1' Flexible FH for Utility Trench in TDOT R.O.W., 24" Depth 3/4" Concrete Curb & Gutter, Incl. Agg. Base, (TDOT Type B-3), R.P.-M/C-10) or match existing	100	CY	\$100.00	\$ 10,000.00									\$ 10,000.00
17	Repair Brick Crosswalk at Columbia Av.	120	LF	\$28.35	\$ 3,162.00				30.00	55.00	\$ 888.75	\$ 790.50	\$ 1,448.25	\$ 1,712.75
18	Erosion & Sediment Control/Final Seeding w/ Mulch	1	LS	\$8,785.00	\$ 8,785.00	1.00		1.00		1.00	\$ 8,785.00		\$ 8,785.00	
19	Traffic Control, Incl. Steel Street Plates	1	LS	\$4,495.00	\$ 4,495.00	1.00		1.00		1.00	\$ 4,495.00		\$ 4,495.00	
20	Modification	1	LS	\$12,215.00	\$ 12,215.00	1.00		1.00		1.00	\$ 12,215.00		\$ 12,215.00	
21	McDonald's Night Work Allowance, (11PM to 5AM time restriction)	1	LS	\$1,080.00	\$ 1,080.00	1.00		1.00		1.00	\$ 1,080.00		\$ 1,080.00	
22	Project Contingency Allowance, if directed by Engineer	1	LS	\$12,380.00	\$ 12,380.00				1.00		\$ 12,380.00		\$ 12,380.00	
	Subtotal Part C			\$30,000.00	\$ 30,000.00						\$ 30,000.00		\$ 30,000.00	\$ 19,802.50
	TOTAL A + B + C				\$ 409,048.78						\$ 398,216.05	\$ 29,528.78	\$ 394,743.83	\$ 14,301.92
<p>Project Contingency Allowance (Redbook FH at W/ Main & 7th) Project Contingency Allowance (Adjust water valve box at Fair & 7th)</p>														
C01-1		1	LS	\$ 1,820.00	\$ 1,820.00	1		1.00		1.00	\$ 1,820.00		\$ 1,820.00	\$ -
C01-2		1	LS	\$ 525.00	\$ 525.00	1		1.00		1.00	\$ 525.00		\$ 525.00	\$ -
C01-3	Project Contingency Allowance (Raise Sag in Sewer)	1	LS	\$ 8,992.50	\$ 8,992.50	1		1.00		1.00	\$ 8,992.50		\$ 8,992.50	\$ -
C01-4	Project Contingency Allowance (Full Depth Backfill for existing Sag)	90	TN	\$ 20.00	\$ 1,800.00	90		90.00		90.00	\$ 1,800.00		\$ 1,800.00	\$ -
C01-5					\$ -						\$ -		\$ -	\$ -
C01-6					\$ -						\$ -		\$ -	\$ -
<p>Total Remaining in Contract</p>											\$ 11,137.50	\$ -	\$ 14,301.92	