

CHANGE ORDER

No. 5

PROJECT: Crossville Downtown Economic Development Project - Watermain

DATE OF ISSUANCE: 08/30/2016

EFFECTIVE DATE: 08/30/2016

OWNER: City of Crossville, 392 North Main Street, Crossville, TN 38555

CONTRACTOR: Ironwood Construction & Engineering, LLC.

ENGINEER: CT Consultants, Inc.

You are directed to make the following changes in the Contract Documents:

Description: Watermain Extensions Adjacent to Main Street

Reason for Change Order: Final Quantity Adjustments

Attachments (list documents supporting change): 1 pages

| CHANGE IN CONTRACT PRICE: | | CHANGE IN CONTRACT TIMES: | |
|------------------------------------------------|----------------|------------------------------------------------|-------------------|
| Original Contract Price | | Original Contract Times | |
| | \$1,057,857.00 | Substantial Completion: | November 13, 2015 |
| | | Ready for final payment: | November 13, 2015 |
| Net changes from previous Change Orders | \$610,419.31 | Net changes from previous Change Orders | 200 Calendar Days |
| Contract Price prior to this Change Order | \$1,668,276.31 | Contract Times prior to this Change Order | |
| | | Substantial Completion: | May 31, 2016 |
| | | Ready for final payment: | May 31, 2016 |
| Net Increase (Decrease) of this Change Order | \$98,609.25 | Net Increase (Decrease) of this Change Order | 0 Calendar Days |
| Contract Price with all approved Change Orders | \$1,766,885.56 | Contract Times with all approved Change Orders | |
| | | Substantial Completion: | August 26, 2016 |
| | | Ready for final payment: | August 26, 2016 |

RECOMMENDED by James J. Jones CT Consultants, Inc. 8/31/16 Date

APPROVED by _____ City of Crossville _____ Date

ACCEPTED by _____ Ironwood Construction & Engineering, LLC. _____ Date

Crossville Downtown Economic Development / Streetscape Improvement Project - Watermain
Ironwood Construction Engineering, LLC
Change Order 05 - Final Quantity Adjustments
August 30, 2016

| Item # | Description | Unit price | Unit | Quantity | | Amount | |
|-------------------------------|----------------------------------------------------------------|-------------|------|----------|------------|----------------------|------------------------|
| | | | | Add (+) | Deduct (-) | Increase | Decrease |
| 105-01 | Line & Grade Survey | \$7,500.00 | LS | | | \$ - | \$ - |
| 717-01S | Mobilization | \$20,000.00 | LS | | | \$ - | \$ - |
| 712-01S | Traffic Control | \$40,000.00 | LS | | | \$ - | \$ - |
| 722-01.01 | Field Office (Type I) | \$3,000.00 | LS | | (1) | \$ - | \$ (3,000.00) |
| 202-03 | Removal of Sidewalk | \$15.00 | SY | | (1431.07) | \$ - | \$ (21,466.05) |
| 202-08.10 | Removal of Curb | \$10.00 | LF | | (344.40) | \$ - | \$ (3,444.00) |
| 209-09.41 | Curb Inlet Protection (Type 2) | \$100.00 | EA | | (29) | \$ - | \$ (2,900.00) |
| 801-01.07S | Temporary Seeding (With Mulch) | \$2.00 | SY | | (359.17) | \$ - | \$ (718.34) |
| 603-05.20 | Containment and Disposal of Waste | \$75.00 | CY | 234 | | \$ 17,550.00 | \$ - |
| 501-01S | Trench Repair (Asphalt Area Including Removal) | \$95.00 | SY | 411.89 | | \$ 39,129.55 | \$ - |
| 630-01.02S | 2" PVC CL250 Waterline | \$50.00 | LF | 17 | | \$ 850.00 | \$ - |
| 630-01.06S | 6" DIP PR350 Waterline | \$71.80 | LF | | (45) | \$ - | \$ (3,231.00) |
| 630-01.08S | 8" DIP PR350 Waterline | \$76.29 | LF | 45 | | \$ 3,433.05 | \$ - |
| 630-01.10S | 10" DIP PR350 Waterline | \$85.26 | LF | | (26) | \$ - | \$ (2,216.76) |
| 630-01.12S | 12" DIP PR350 Waterline | \$94.23 | LF | | (101) | \$ - | \$ (9,517.23) |
| 630-03.01S | M.J. Waterline Fittings | \$3.00 | LB | | (1269) | \$ - | \$ (3,807.00) |
| 630-04.02S | 2" Gate Valve w/ Valve Box & Marker | \$1,000.00 | EA | 7 | | \$ 7,000.00 | \$ - |
| 630-04.06S | 6" Gate Valve w/ Valve Box & Marker | \$1,900.00 | EA | 6 | | \$ 11,400.00 | \$ - |
| | 6X2 Tapping Sleeve & Valve | \$2,000.00 | EA | 2 | | \$ 4,000.00 | \$ - |
| 630-05.06S | 6" Tapping Sleeve & Valve | \$3,500.00 | EA | 5 | | \$ 17,500.00 | \$ - |
| 630-04.08S | 8" Gate Valve w/ Valve Box & Marker | \$2,100.00 | EA | | (1) | \$ - | \$ (2,100.00) |
| 630-05.08S | 8" Tapping Sleeve & Valve | \$4,000.00 | EA | 1 | | \$ 4,000.00 | \$ - |
| 630-05.10S | 10" Tapping Sleeve & Valve | \$6,000.00 | EA | | | \$ - | \$ - |
| 630-04.12S | 12" Gate Valve w/ Valve Box & Marker | \$4,000.00 | EA | 7 | | \$ 28,000.00 | \$ - |
| 630-06.05S | 5-1/4" Fire Hydrant Assembly | \$4,000.00 | EA | 2 | | \$ 8,000.00 | \$ - |
| 630-07.12S | Hidden Blow-Off Hydrant | \$3,000.00 | EA | | | \$ - | \$ - |
| 630-08.01S | 3/4" Water Service Installation | \$1,000.00 | EA | | (6) | \$ - | \$ (6,000.00) |
| 630-08.02S | 1" Water Service Installation | \$2,000.00 | EA | | | \$ - | \$ - |
| 630-08.03S | 1-1/2" Water Service Installation | \$2,500.00 | EA | | (1) | \$ - | \$ (2,500.00) |
| 630-08.04S | 2" Water Service Installation | \$3,000.00 | EA | | (1) | \$ - | \$ (3,000.00) |
| 630-09.01S | 3/4" Copper Service Tubing | \$20.00 | LF | | (390) | \$ - | \$ (7,800.00) |
| 630-09.02S | 1" Copper Service Tubing | \$40.00 | LF | 22 | | \$ 880.00 | \$ - |
| 630-09.03S | 1-1/2" Copper Service Tubing | \$80.00 | LF | | (23) | \$ - | \$ (1,840.00) |
| 630-09.04S | 2" Copper Service Tubing | \$100.00 | LF | | (205) | \$ - | \$ (20,500.00) |
| 630-14.04S | 4" Steel Casing; Open Cut | \$60.00 | LF | 10 | | \$ 600.00 | \$ - |
| 630-14.14S | 14" Steel Casing; Open Cut | \$80.00 | LF | 145 | | \$ 11,600.00 | \$ - |
| 630-14.24S | 24" Steel Casing; Open Cut | \$100.00 | LF | 237 | | \$ 23,700.00 | \$ - |
| 701-01.01S | Concrete Sidewalk (4") | \$6.00 | SF | | | \$ - | \$ - |
| 701-02.02S | Concrete Sidewalk (6") | \$7.00 | SF | 265.19 | | \$ 1,856.33 | \$ - |
| 702-01.02S | Concrete Curb (Type 'A') | \$10.00 | LF | | (301.30) | \$ - | \$ (3,013.00) |
| 702-03S | Concrete Combined Curb & Gutter Type 6-30 | \$50.00 | LF | | (36.45) | \$ - | \$ (1,822.50) |
| 930-19S | Project Grant Sign | \$1,000.00 | EA | | | \$ - | \$ - |
| CO2-1 | Crew Labor Hours | \$400.00 | HR | 46 | | \$ 18,400.00 | \$ - |
| CO2-2 | Concrete for Additional Thrust Blocks and Fabrication for Caps | \$880.00 | LS | | | \$ - | \$ - |
| CO2-3 | Air Release Valve | \$1,500.00 | EA | | | \$ - | \$ - |
| CO2-4 | Additional Traffic Control | \$500.00 | LS | | | \$ - | \$ - |
| CO2-5 | TN Stone | \$20.00 | TON | 158.26 | | \$ 3,165.20 | \$ - |
| CO2-6 | Casing Pipe | \$15.00 | LF | 10.40 | | \$ 156.00 | \$ - |
| 803-01 | Sodding (New Sod) | \$1.00 | SY | | (2120) | \$ - | \$ (2,120.00) |
| 204-08.01 | Backfill Material (Flowable Fill) | 85 | CY | | (19) | \$ - | \$ (1,615.00) |
| Additional Work Totals | | | | | | \$ 201,220.13 | \$ (102,610.88) |

| | |
|----------------|-----------------|
| Total Increase | \$ 201,220.13 |
| Total Decrease | \$ (102,610.88) |
| Net Increase | \$ 98,609.25 |

| | |
|-------------------------------------------------|-----------------|
| Original Contract Amount | \$ 1,057,857.00 |
| Net Increase from Previous Change Orders | \$ 610,419.31 |
| Contract Amount prior to this Change Order | \$ 1,668,276.31 |
| Net Increase from this Change Order | \$ 98,609.25 |
| Contract Amount with all Approved Change Orders | \$ 1,766,885.56 |