

Change Order No. 1 - Final

Date: 01/31/2024

Project: WATER LINE IMPROVEMENTS
on HIGHWAY 127 – NORTH MAIN ST, INDUSTRIAL
BOULEVARD, and BENNET WAY - CROSSVILLE, TN

Project Number: 10331

Owner: City of Crossville
392 North Main Street
Crossville, Tn 3855

Contractor: Ironwood Construction & Engineering LLC
PO Box 1369
Crossville, TN 38557

Contact Name: Rob Kimbro
Phone Number: 931-200-7446

This change order adds additional work to the original contract, additional time to the contract due to additional work, supply chain issues throughout the project, and the delays in boring under Highway 127 due to equipment breakdowns and delays in receiving replacement parts. This change order also revised the original contract price based upon as-built quantities and additional work.

Additional Work

The installation of approximately 1125 linear feet of six-inch water line along Livingston Road as per the plans to replace an existing transite water line. The work includes all materials, labor, equipment, and traffic control. The contractor agrees to perform the work based upon the unit prices in the contract.

Additional Time

Additional time required for additional work including preparing plans, TDEC submittal and approval, material deliver, and performing the work. Additional time = 90 days

Additional time needed to redesign the bore alignment under Highway 127 and receive TDOT approval for the realignment. Realignment due to existing utilities conflicting with the bore pit. Additional time = 29 days

Additional time based upon supply chain issues. Additional time = 43 days

Additional time based upon the boring equipment breakdowns and delays in receiving replacement parts for the boring equipment. Additional time = 83 days

An additional 245 days to be added to the contract with a new completion date of **2/3/2024**.

Original Contract Time:

Contractor to complete the project within **180** consecutive calendar days thereafter.

Completion Date: June 3, 2023

Revised Contract Time as per this Change Order:

Contractor to complete the project within **425** consecutive calendar days thereafter.

Completion Date: February 3, 2024

Contract Amount

Contract price adjusted to match as-built quantities included in the original work in the contract and the additional work. See Attached As-built Quantities.

Original Contract Amount.	\$ 974,400.00
Net Change by Previous Change Orders	\$ 0.00
Contract Amount Prior to This Change Order	\$ 974,400.00
Amount of This Change Order	<u>\$ 18,702.10</u>
New Contract Amount.	\$ 993,102.10

This Change Order is intended to, and the Contractor agrees that it does, fairly and adequately compensate the Contractor for extra direct costs (labor, materials, etc.) as well as all expenses and damages which may result from any delays, suspensions, stretch-outs, scheduling, inefficiencies, and accelerations in the Work associated with this Change Order, and the Contractor releases the Owner and the Engineer from any claims for such expenses and damages, including but not limited to changes in sequence of work; delays; disruption; rescheduling; extended overhead; acceleration; wage; material; or other escalations; and all other impact costs.

This Change Order is intended to, and the Contractor agrees that it does, provide the Contractor a reasonable and adequate period of time in which to complete the Work in accordance with the Contract for Construction, as amended by this Change Order, and the Contractor releases the Owner and the Engineer from any claims for additional time to perform the Work.

By acceptance of this Change Order, the Contractor hereby agrees that the modification represents an equitable adjustment to the Contract, and further, agrees to waive all right to file any further claims or changes arising out of or as a result of this change, or the accumulation of executed Change Orders on this Contract.

The Contractor and Owner(s) hereby agree to the terms of this Change Order as contained herein.

Contractor:

Signature:

Date:

Engineer:

Signature:

Date:

Owner:

Signature:

Date:

Date: 01/31/2024

Change Order No. 1 -As-Built Quantities

Project:

WATER LINE IMPROVEMENTS
on HIGHWAY 127 – NORTH MAIN ST, INDUSTRIAL BOULEVARD,
and BENNET WAY - CROSSVILLE, TN

Item No.	Description of Work	Rate	Contract Values			Work Completed		% (G/C)
			Qty	U/M	Scheduled Values	As -Built Qty.	As- Built Value	
1	Mobilization	\$ 45,000.00	1	LS	\$ 45,000.00	1	\$ 45,000.00	100%
2	Tie in Exist 10" DIP	\$ 7,500.00	1	EA	\$ 7,500.00	1	\$ 7,500.00	100%
3	Tie in Exist 16" DIP	\$ 25,000.00	1	EA	\$ 25,000.00	1	\$ 25,000.00	100%
4	Tie in Exist 12" DIP	\$ 12,000.00	1	EA	\$ 12,000.00	2	\$ 24,000.00	200%
5	Tie in Exist 6" PVC	\$ 8,000.00	1	EA	\$ 8,000.00	1	\$ 8,000.00	100%
6	Tie in Exist 6" Line D Sta 0+00	\$ 10,000.00	1	EA	\$ 10,000.00	2	\$ 20,000.00	200%
7	Tie in Exist 6" PVC Line D STA	\$ 6,000.00	1	EA	\$ 6,000.00	1	\$ 6,000.00	100%
8	Tie in Exist 8" PVC	\$ 10,000.00	1	EA	\$ 10,000.00	1	\$ 10,000.00	100%
9	10" DIP	\$ 190.00	680	EA	\$ 129,200.00	671	\$ 127,490.00	99%
10	12" DIP	\$ 200.00	1000	EA	\$ 200,000.00	868	\$ 173,600.00	87%
11	6" PVC	\$ 75.00	940	LF	\$ 70,500.00	2040	\$ 153,000.00	217%
12	8" PVC	\$ 90.00	30	LF	\$ 2,700.00	23	\$ 2,070.00	77%
13	24" Steel Casing Open Cit Under Road	\$ 240.00	100	LF	\$ 24,000.00	10	\$ 2,400.00	10%
14	16" Steel Casing Open Cut Over Drain	\$ 220.00	60	LF	\$ 13,200.00	60	\$ 13,200.00	100%
15	12" Steel Casing Open Cut Under Road	\$ 180.00	65	LF	\$ 11,700.00	50	\$ 9,000.00	77%
16	12" Steel Casing Open Cut Over Fiber	\$ 180.00	10	LF	\$ 1,800.00	10	\$ 1,800.00	100%
17	Fire Hydrant Assembly	\$ 7,500.00	3	EA	\$ 22,500.00	4	\$ 30,000.00	133%
18	Connect Exist 3/4" Water Service	\$ 1,000.00	2	EA	\$ 2,000.00	7	\$ 7,000.00	350%
19	Abandon Exist 10" DIP	\$ 2,500.00	2	EA	\$ 5,000.00	4	\$ 10,000.00	200%
20	6" GV	\$ 3,000.00	4	EA	\$ 12,000.00	1	\$ 3,000.00	25%
21	10" GV	\$ 5,000.00	1	EA	\$ 5,000.00	1	\$ 5,000.00	100%
22	12" GV	\$ 6,000.00	7	EA	\$ 42,000.00	5	\$ 30,000.00	71%
23	Asphalt Repair 3" Rd	\$ 650.00	95	TN	\$ 61,750.00	71.88	\$ 46,722.00	76%
24	Asphalt Repair 2" Driveways	\$ 650.00	15	TN	\$ 9,750.00	22.04	\$ 14,326.00	147%
25	Stone Base for Driveways and Roads	\$ 30.00	310	TN	\$ 9,300.00	184.38	\$ 5,531.40	59%
26	Stone Bedding and Backfill Drive and Road	\$ 30.00	850	TN	\$ 25,500.00	595.69	\$ 17,870.70	70%
27	Concrete from Driveways	\$ 1,000.00	10	CY	\$ 10,000.00	2.5	\$ 2,500.00	25%
28	Clearing and Grubbing	\$ 5,000.00	1	LS	\$ 5,000.00	1	\$ 5,000.00	100%
29	Erosion Control	\$ 5,000.00	1	LS	\$ 5,000.00	1	\$ 5,000.00	100%
30	Temp Seeding and Mulch (1U=100SF)	\$ 100.00	30	U	\$ 3,000.00	30.92	\$ 3,092.00	103%
31	24" Steel Casing Bore and Jack	\$ 900.00	200	LF	\$ 180,000.00	200	\$ 180,000.00	100%
32								
					\$ 974,400.00		\$ 993,102.10	102%
						Difference =	\$ 18,702.10	