



office memorandum

Date: November 5, 2020
To: Darrell Pyle, City Manager
From: Chris Mattingly, P.E., Director of Utilities *CM*
Subject: Contract K-1920-46 – Change Order No. 2
Project WA0202/WA0224 Gray Street and Tonhawa Street Water Line Replacement

On January 22, 2020, the Norman Utilities Authority approved Contract K-1920-46 with Cimarron Construction Company LLC for the construction of Project WA0202/WA0224 – Gray Street and Tonhawa Street Water Line Replacement in the amount of \$2,136,965.00. The project will install approximately 11,500 feet of 6, 8, and 12-inch water line and appurtenances to replace existing infrastructure that has experienced multiple failures disrupting service to customers and citizens and resulting in costly repairs. On May 11, 2020, Change Order No. 1 was approved to decrease the contract amount to add an additional 350 feet of 8-inch line to the project, to create additional pay items to allow for installation using directional drilling, and to reduce existing pay item quantities for restoration due to the use of directional drilling.

During construction of the project, additional information was identified for fire line connections along Gray Street that require modifications for the project. Two fire line connections that were not identified by survey were found in the field. The location at 226 W Gray Street will require the installation of a new fire hydrant to facilitate the reconnection of this service plus the pipe, fittings, valves and restoration items necessary to connect from the new line in Webster Avenue. The location at 421 W Gray Street will require pipe, fittings, valves and restoration items plus a new single check valve in a manhole to meet current City requirements. The fire line serving 555 W Main Street was found to be an 8-inch line rather than a 6-inch line. This change order modifies existing pay items and creates new pay items to facilitate the work required to reconnect the fire services at these locations.

Based on field conditions, the originally estimated amount of 12-inch line to be installed by directional drilling was higher than feasible to install. As such, the quantity approved for Item CO1-1 on Change Order No. 1. are proposed to be reduced accordingly along with the required 12-inch solid sleeves under Item CO1-3. This creates additional capacity to allow for additional 8-inch lines to be directionally drilled down University Avenue and Jones Avenue reducing impacts to citizens. Therefore, Items CO1-2 and CO1-4 are proposed to be increased.

Change Order No. 1 was a net decrease for the project in the amount of \$24,519.44. Change Order No. 2 is proposed to be a net increase of \$32,054.00. With both change orders combined, the overall change to the contract price is \$7,534.56 or 0.35 percent over the original contract price of \$2,136,965.00 for a new contract price of \$2,144,499.56. For Change Order No. 2, pursuant to Resolution No. R-1112-55 since the change order is less than \$40,000, the City Manager may approve this item and approval by the City Council is not required. Approval of Change Order No. 2 is recommended.

cc: Nathan Madenwald, P.E., Utilities Engineer *NM*
Brenda Hall, City Clerk
File


NORMAN UTILITIES AUTHORITY
CITY OF NORMAN
CLEVELAND COUNTY, OKLAHOMA

DATE: October 21, 2020
 CHANGE ORDER NO.: Two (2)
 CONTRACT NO.: K-1920-46
 PROJECT: WAO202/WAO224 - Gray and Tonhawa Water Line Replace
 CONTRACTOR: Cimarron Construction Company
3501 NE 63rd Street, Oklahoma City, OK 73121

	<u>Contract Time</u>		<u>Contract Amount</u>	
ORIGINAL:	270	calendar days	\$2,136,965.00	
PREVIOUS CHANGE ORDERS:	30	calendar days	-\$24,519.44	
<u>THIS CHANGE ORDER:</u>	<u>0</u>	<u>calendar days</u>	<u>\$32,054.00</u>	<u>1.50%</u>
REVISED AMOUNT:	300	calendar days	\$2,144,499.56	
ORIGINAL START DATE:	March 4, 2020			
ORIGINAL COMPLETION DATE:	November 29, 2020			
PREVIOUS COMPLETION DATE:	December 29, 2020			
NEW COMPLETION DATE:	December 29, 2020			

DESCRIPTION:	Increase / Decrease (\$)
Item 1: Increase existing pay items and create new pay items to reconnect fire service lines identified during construction including a new single check valve at the ROW to provide adequate backflow protection.	23,890.00
Item 2: Modify quantities for boring without casing for 6-inch and 8-inch lines to account for field identification of existing fire service to be an 8-inch line. The quantity for the 6-inch line will be reduced by 70 LF and the 8-inch quantity will be increased by 70 LF.	4,900.00
Item 3: Modify directional drilling pay item quantities established by Change Order No. 1 to increase the amount of 8-inch pipe installed by directional drilling and also reduce the amount of 12-inch pipe installed by directionally drilling and the solid sleeves to be <u>reduced/increased accordingly.</u>	3,264.00
Cimarron Construction Company agrees to complete the work as amended and modified by Change Order No. 2 as described above.	

SUBMITTED BY
CONTRACTOR:

 Chris McMurtry
Cimarron Construction Company

Date: 10-21-2020

RECOMMENDED BY
ENGINEER:

Larry W. Roach
Larry Roach, P.E., Guernsey

Date: 10/21/20

APPROVED AS TO FORM
AND LEGALITY:

City Attorney

Date: _____

ACCEPTED BY
NORMAN UTILITIES AUTHORITY:

City Manager

Date: _____

Attachment 1

Bid Item	Description	Units	Original Contract Amount	Unit Price	Original Contract Amount	Proposed Quantity Increase/Decrease	Cost Increase / Decrease	Percent Change
3	6-Inch Waterline (PVC, C-900, DR-18)	LF	250	\$50.00	\$12,500	100.00	\$5,000.00	40.00%
13	12-Inch x 6-Inch Tee	EA	2	\$1,120.00	\$2,240	1.00	\$1,120.00	50.00%
23	8-Inch x 6-Inch Tee	EA	3	\$650.00	\$1,950	1.00	\$650.00	33.33%
28	6-Inch Gate Valve & Box	EA	3	\$1,000.00	\$3,000	2.00	\$2,000.00	66.67%
29	6-Inch x 90 Degree Bend	EA	4	\$400.00	\$1,600	2.00	\$800.00	50.00%
39	Boring Without Casing – 8-Inch Pipe	LF	294	\$155.00	\$45,570	70.00	\$10,850.00	23.81%
40	Boring Without Casing – 6-Inch Pipe	LF	132	\$85.00	\$11,220	-70.00	-\$5,950.00	-53.03%
42	Fire Hydrant Assembly	EA	24	\$4,900.00	\$117,600	1.00	\$4,900.00	4.17%
55	Asphalt Pavement Cut & Repair	SY	1,200	\$200.00	\$240,000	10.00	\$2,000.00	0.83%
59	Remove and Replace Sidewalk	SY	700	\$100.00	\$70,000	6.00	\$600.00	0.86%
65	Solid Slab Sodding	SY	1,400	\$3.00	\$4,200	40.00	\$120.00	2.86%
SUBTOTAL					\$2,136,965.00		\$22,090.00	1.03%
CHANGE ORDER PAY ITEMS								
CO1-1	12-Inch Direction Drill (Additional to Bid Item 1)	LF	2,600	\$41.00	\$106,600	-416.00	-\$17,056.00	N/A
CO1-2	8-Inch Direction Drill (Additional to Bid Item 1)	LF	1,700	\$40.00	\$68,000	553.00	\$22,120.00	N/A
CO1-3	12-Inch Solid Sleeve (Associated w/ Item CO1-1)	EA	20	\$650.00	\$13,000	-8.00	-\$5,200.00	N/A
CO1-4	8-Inch Solid Sleeve (Associated w/ Item CO1-2)	EA	10	\$425.00	\$4,250	8.00	\$3,400.00	N/A
CO2-1	6-Inch x 4-inch Reducer	EA	0	\$700.00	\$0	2.00	\$1,400.00	N/A
CO2-2	4' Diameter Manhole	EA	0	\$2,000.00	\$0	1.00	\$2,000.00	N/A
CO2-3	6" Single Check Valve	EA	0	\$3,300.00	\$0	1.00	\$3,300.00	N/A
SUBTOTAL					\$191,850		\$9,964.00	0.47%
Note that Original Contract Amount for Items CO1-1 through CO1-4 are the amounts established by Change Order No. 1.								
Original Contract Amount					\$2,136,965.00			
Change Order No. 1					-\$24,519.44	-1.15%		
Change Order No. 2					\$32,054.00	1.50%		
Final Contract Amount					\$2,144,499.56			