



City of Grand Island

Tuesday, August 28, 2018

Council Session

Item G-10

#2018-251 - Approving Change Order #1 with Myers Construction Inc., for Water Distribution System Improvements - 2017

Staff Contact: Tim Luchsinger, Stacy Nonhof

Council Agenda Memo

From: Timothy Luchsinger, Utilities Director
Stacy Nonhof, Assistant City Attorney

Meeting: August 28, 2018

Subject: Change Order #1 with Myers Construction for Water Distribution System Improvements - 2017

Presenter(s): Timothy Luchsinger, Utilities Director

Background

Water Distribution System Improvements, 2017, involved the installation of water main, water service connections, pavement removal and restoration and drainage improvements in five project areas throughout the City. The completed work replaced old mains, resolved maintenance issues, provided proper clearances between water mains and storm sewers, improved system capacity and supplemented fire protection in existing parts of the City.

Discussion

The original contract was awarded by City Council on June 13, 2017, in the amount of \$678,685.23 to Myers Construction, Inc., of Broken Bow, Nebraska. The following scope alterations were encountered:

- 1) Change #1: Utility sizes differing from sizes of record were encountered on the Third Street redevelopment project. An unknown service was also found that needed to be properly abandoned. In addition, a hydrant was required to be relocated due to clearance conflicts. This request also included the removal of a tree on the 16th Street and Locust Street Project. The total additional cost for this work is \$14,892.30.
- 2) Change #2: A storm sewer curb inlet for a Street Department repair at State Street and Cleburn Street was replaced for a cost of \$5,440.00.

During the process of constructing the five-project area contract, materials were added or deducted to complete the work due to unknown utilities, reconfiguration to resolve unforeseen conflicts and utility sizes differing from sizes of record. A significant portion of quantity overage is due to additional pavement and storm sewer restoration requested

by the Public Works' Street Department. Since our contractor was working in the area, this was the most cost-effective measure. The contract's amount needs to be modified due to adjustments in actual quantities installed versus estimated quantities for the project. This total is \$54,351.46.

The original Engineer's estimate was \$945,000.00. The original contract was for \$678,685.23. The total changes to the contract amount to \$74,683.76. This results in a final contract cost of \$753,368.99. The Street Department will reimburse the Utilities Department \$84,767.02 for their requested work.

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to future date
4. Take no action on the issue

Recommendation

City Administration recommends that the Council approve Change Order #1 to the Water Distribution System Improvements, 2017 Contract in the amount of \$74,683.76, for a final contract amount of \$753,368.99.

Sample Motion

Move to approve Change Order #1 with Myers Construction, Inc., to the Water Distribution System Improvements 2017 Contract in the amount of \$74,683.76, for a final contract amount of \$753,368.99.

CHANGE ORDER #1

NAME OF PROJECT: Water Distribution System Improvements 2017

CONTRACTOR: Myers Construction, Inc.
79849 Hwy 2
Broken Bow, NE 68822

OWNER: City of Grand Island, NE

THE FOLLOWING MODIFICATIONS TO THE CONTRACT ARE HEREBY ORDERED:

		BID			INSTALLED		
ITEM	DESCRIPTION	QUANTITY	UNIT	Unit Price \$	QUANTITY	UNIT	\$ +/-
D.1.01	12" R.J. D.I. PIPE TRENCHLESSLY INSTALLED	1,374.60	LF	\$85.40	1,387.10	LF	\$1,067.50
D.1.02	10" R.J. D.I. PIPE TRENCHLESSLY INSTALLED	783.90	LF	\$78.60	783.20	LF	-\$55.02
D.1.03	10" R.J. D.I. PIPE	60.00	LF	\$78.00	32.10	LF	-\$2,176.20
D.1.04	10" S.J. D.I. PIPE	5.90	LF	\$75.00	0.00	LF	-\$442.50
D.1.05	8" R.J. D.I. PIPE TRENCHLESSLY INSTALLED	376.00	LF	\$74.00	394.00	LF	\$1,332.00
D.1.06	8" R.J. D.I. PIPE	64.00	LF	\$60.00	59.10	LF	-\$294.00
D.1.07	6" R.J. D.I. PIPE	10.0	LF	\$50.00	15.90	LF	\$295.00
D.1.08	6" S.J. D.I. PIPE	524.50	LF	\$46.00	523.20	LF	-\$59.80
D.1.10	10"X10" TAPPING SLEEVE	2.00	EA	\$4,420.00	1.00	EA	-\$4,420.00
D.1.11	10"X6" TAPPING SLEEVE	1.00	EA	\$2,840.00	0.00	EA	-\$2,840.00
D.1.12	8"X8" TAPPING SLEEVE	1.00	EA	\$2,800.00	3.00	EA	\$5,600.00
D.1.15	12"X10" M.J. REDUCER	1.00	EA	\$392.00	0.00	EA	-\$392.00
D.1.17	12"X45° M.J. BEND	2.00	EA	\$540.00	4.00	EA	\$1,080.00
D.1.18	12" RETAINER GLAND	18.00	EA	\$111.00	33.00	EA	\$1,665.00
D.1.19	10"X6" M.J. TEE	4.00	EA	\$540.00	5.00	EA	\$540.00
D.1.23	10" RETAINER GLAND	32.00	EA	\$78.00	38.00	EA	\$468.00
D.1.25	10" SLEEVE COUPLING	2.00	EA	\$420.00	6.00	EA	\$1,680.00
D.1.26	8"X8" M.J. WYE	2.00	EA	\$600.00	1.00	EA	-\$600.00
D.1.27	8"X8" M.J. TEE	2.00	EA	\$480.00	1.00	EA	-\$480.00
D.1.30	8"X45° M.J. BEND	2.00	EA	\$280.00	5.00	EA	\$840.00
D.1.31	8" M.J. CAP	4.00	EA	\$138.00	0.00	EA	-\$552.00
D.1.34	6"X45° M.J. BEND	10.00	EA	\$212.00	13.00	EA	\$636.00
D.1.35	6" M.J. CAP	6.00	EA	\$104.00	1.00	EA	-\$520.00
D.1.36	6" SLEEVE COUPLING	4.00	EA	\$226.00	0.00	EA	-\$904.00
D.1.37	6" RETAINER GLAND	56.00	EA	\$33.00	73.00	EA	\$561.00
D.1.39	12" R.S. GATE VALVE	2.00	EA	\$2,930.00	3.00	EA	\$2,930.00
D.1.40	10" R.S. GATE TAPPING VALVE	2.00	EA	\$2,880.00	1.00	EA	-\$2,880.00

		BID			INSTALLED		
ITEM	DESCRIPTION	QUANTITY	UNIT	Unit Price \$	QUANTITY	UNIT	\$ +/-
D.1.41	10" R.S. GATE VALVE	1.00	EA	\$2,330.00	3.00	EA	\$4,660.00
D.1.42	8" R.S. GATE TAPPING VALVE	1.00	EA	\$1,920.00	3.00	EA	\$3,840.00
D.1.43	8" R.S. GATE VALVE	2.00	EA	\$1,500.00	0.00	EA	-\$3,000.00
D.1.44	8" RETAINER GLANDS	28.00	EA	\$50.00	21.00	EA	-\$350.00
D.1.46	6" R.S. GATE VALVE	4.00	EA	\$950.00	6.00	EA	\$1,900.00
D.1.49	VALVE BOX	22.00	EA	\$130.00	24.00	EA	\$260.00
D.1.50	FIRE HYDRANT ASSEMBLY TYPE 1	1.00	EA	\$3,650.00	0.00	EA	-\$3,650.00
D.1.51	FIRE HYDRANT ASSEMBLY TYPE 2	6.00	EA	\$3,702.00	4.00	EA	-\$7,404.00
D.1.52	FIRE HYDRANT ASSEMBLY TYPE 3	0.00	EA	\$3,950.00	3.00	EA	\$11,850.00
D.1.53	FIRE HYDRANT ASSEMBLY TYPE 4	2.00	EA	\$2,350.00	0.00	EA	-\$4,700.00
D.1.54	FIRE HYDRANT ASSEMBLY TYPE 5	2.00	EA	\$1,400.00	4.00	EA	\$2,800.00
D.1.55	12" R.C. PIPE	24.00	LF	\$70.00	31.00	LF	\$490.00
D.1.58	15" CONCRETE PIPE COLLAR	2.00	EA	\$330.00	1.00	EA	-\$330.00
D.1.59	18" R.C. PIPE	20.10	LF	\$70.00	0.00	LF	-\$1,407.00
D.1.60	18" CONCRETE PIPE COLLAR	1.00	EA	\$350.00	0.00	EA	-\$350.00
D.1.61	24" R.C. PIPE	30.00	LF	\$90.00	9.20	LF	-\$1,872.00
D.1.62	24" CONCRETE PIPE COLLAR	6.00	EA	\$400.00	1.00	EA	-\$2,000.00
D.1.63	8" I-BEAM BLOCK	2.00	EA	\$400.00	5.00	EA	\$1,200.00
D.1.65	THRUST BLOCK	50.00	EA	\$200.00	53.00	EA	\$600.00
D.1.66	POLYWRAP	3,198.90	LF	\$2.00	3,194.60	LF	-\$8.60
D.1.67	2" WATER SERVICE (COMPLETE)	2.00	EA	\$4,640.00	1.00	EA	-\$4,640.00
D.1.68	1" WATER SERVICE (COMPLETE)	3.00	EA	\$2,300.00	6.00	EA	\$6,900.00
D.1.69	ABANDON VALVE IN PLACE	2.00	EA	\$250.00	3.00	EA	\$250.00
D.1.70	REMOVE AND DISPOSE OF EXISTING MANHOLE	1.00	EA	\$2,800.00	2.00	EA	\$2,800.00
D.1.72	REMOVE EXISTING VALVE BOX	1.00	EA	\$200.00	3.00	EA	\$400.00
D.1.73	REMOVE EXISTING WATER MAIN	107.00	LF	\$28.00	65.90	LF	-\$1,150.80
D.1.78	REMOVE AND HAUL STORM JUNCTION BOX	3.00	EA	\$500.00	0.00	EA	-\$1,500.00
D.1.79	REMOVE AND HAUL STORM SEWER PIPE	44.00	LF	\$28.00	24.20	EA	-\$554.40
D.1.80	SAW CUT	792.20	LF	\$3.00	2,794.40	LF	\$6,006.60
D.1.81	REMOVE ASPH./CONC. ROADWAY	1,562.90	SY	\$7.00	1,796.10	SY	\$1,632.40
D.1.82	REPLACE ASPH./CONC. ROADWAY	1,562.90	SY	\$82.00	1,796.10	SY	\$19,122.40
D.1.83	REMOVE CONCRETE SIDEWALK	1,369.90	SF	\$0.50	1,911.80	SF	\$270.95
D.1.84	REPLACE CONCRETE SIDEWALK	1,369.90	SF	\$8.00	1,953.20	SF	\$4,666.40
D.1.85	REMOVE CONCRETE CURB	292.10	LF	\$3.00	414.60	LF	\$367.50
D.1.86	REPLACE 6" INTEGRAL CURB	292.10	LF	\$28.00	414.60	LF	\$3,430.00
D.1.87	TRAFFIC CONTROL	5.00	LS	\$14,500.00	5.50	LS	\$7,250.00
D.1.88	SODDING	3,771.0	SF	\$1.60	5,984.80	SF	\$3,542.08
D.1.89	SEEDING	900.0	SF	\$0.50	1,681.90	SF	\$390.95

		BID			INSTALLED		
ITEM	DESCRIPTION	QUANTITY	UNIT	Unit Price \$	QUANTITY	UNIT	\$ +/-
D.1.90	SEEDING AND RESTORATION	0.12	AC	\$4,000.00	0.26	AC	<u>\$560.00</u>

SUBTOTAL D.1.01-D.1.90:

\$ 54,351.46

-	CHANGE ORDER REQUEST NO. 1	-	-	\$14,892.30	1.0	LS	\$14,892.30
-	CHANGE ORDER REQUEST NO. 2	-	-	\$5,440.00	1.0	LS	<u>\$5,440.00</u>

SUBTOTAL COR1 & COR2:

\$ 20,332.30

THIS CHANGE ORDER AMOUNT:

\$ 74,683.76

ORIGINAL CONTRACT AMOUNT:

\$ 678,685.23

REVISED CONTRACT AMOUNT (including this Change Order)

\$ 753,368.99

REASONS FOR MODIFICATIONS:

During the process of constructing the five project area contract, materials were added or deducted to complete the work due to unknown utilities, reconfiguration of installations to resolve unforeseen conflicts, and utility sizes differing from sizes of record. Significant portions of the quantity overage is due to additional pavement and storm sewer restoration requested by the Public Works Street Department. Unit prices were provided in the Contract and specified that the contractor be paid on the basis of actual quantity installed, times the Contract's unit prices.

Contractor:


Myers Construction Inc.

Date:

8-17-2018

Owner:

City of Grand Island, NE

Date:

RESOLUTION 2018-251

WHEREAS, at the June 13, 2017 meeting Council awarded the contract for Water Distribution System Improvements -2017 in the amount of \$678,685.23 to Myers Construction, Inc., of Broken Bow, Nebraska; and

WHEREAS, during construction, the following required alterations were encountered;

- 1) Change #1: Utility sizes differing from sizes of record were encountered on the Third Street redevelopment project. An unknown service was also found that needed to be properly abandoned. In addition, a hydrant was required to be relocated due to clearance conflicts. This request also included the removal of a tree on the 16th Street and Locust Street Project. The total additional cost for this work was \$14,892.30.
- 2) Change #2: A storm sewer curb inlet for a Street Department repair at State Street and Cleburn Street was replaced for a cost of \$5,440.00.

WHEREAS, during the process of constructing the five-project area contract, materials were added or deducted to complete the work due to unknown utilities, reconfiguration to resolve unforeseen conflicts and utility sizes differing from sizes of record; and

WHEREAS, the contract's amount needs to be modified due to adjustments in quantities installed versus estimated quantities for the project in the amount of \$54,351.46; and

WHEREAS, a significant portion of quantity overage is due to additional pavement and storm sewer restoration requested by the Public Works Department, and the Utilities Department contractor was working in the area, which made this the most cost-effective measure; and

WHEREAS, these changes resulted in an additional \$74,683.76 altogether for a final contract amount of \$753,368.99 and the Public Works Department will reimburse the Utilities Department for \$84,767.02 for the work that was requested by them.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that Change Order #1 with Myers Construction Inc., for Water Distribution System Improvements – 2017 is approved in the amount of \$74,683.76, and the Mayor is hereby authorized to sign the Change Order on behalf of the City of Grand Island.

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Approved as to Form	☐ _____
August 23, 2018	☐ City Attorney

Adopted by the City Council of the City of Grand Island, Nebraska, August 28, 2018.

Jeremy L. Jensen, Mayor

Attest:

RaNae Edwards, City Clerk