



City of Grand Island

Tuesday, August 27, 2019

Council Session

Item G-8

#2019-252 - Approving Change Order #1 with Diamond Engineering for Water Main Project 2018-W-8 - Riverside Drive and Holcomb Street

Staff Contact: Tim Luchsinger, Stacy Nonhof

Council Agenda Memo

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

Meeting: August 27, 2019

Subject: Water Main Project 2018-W-8 – Change Order #1

Presenter(s): Timothy Luchsinger, Utilities Director

Background

Water Main Project 2018-W-8 installed approximately 29 linear feet of 12” ductile iron pipe for a 12” water main lowering that resolved a storm sewer conflict in the intersection of Riverside Drive and Holcomb Street. The project also removed two storm sewer manholes that were no longer needed and replaced a public fire hydrant.

Discussion

The original contract was awarded by City Council on March 26, 2019 to The Diamond Engineering Company of Grand Island, Nebraska, in the amount of \$79,171.20. The following scope alterations were encountered:

Additional items were required to complete the project due to encountering groundwater. A dewatering well was installed and the well ran for seven days. Also, a storm sewer manhole construction differed from that of record. In order to meet Nebraska Department of Health and Human Services clearances between storm sewer and water main, a portion of storm sewer needed to be replaced with 13” C900 pipe instead of the planned 15” RCP. The total cost for the additional items is \$11,696.00.

During the process of constructing the project, materials were added or deducted to complete the work. 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 price. A significant portion of the quantity overage is due to additional pavement removal and replacement required for the dewatering well installation; additional sidewalk removal, and replacement for proper ADA configuration. This total is \$511.19.

The original Engineer’s Estimate was \$150,000.00. The original contract was for \$79,171.20. The total changes to the contract amount to \$12,207.19. This results in a final contract cost of \$91,378.39.

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 Main Project 2018-W-8 Contract in the amount of \$12,207.19, for a final contract amount of \$91,378.39.

Sample Motion

Move to approve Change Order #1 with The Diamond Engineering Company to the Water Main Project 2018-W-8 Contract in the amount of \$12,207.19, for a final contract amount of \$91,378.39.

CHANGE ORDER #1

NAME OF PROJECT: Water Main Project 2018-W-8 Riverside Dr. and Holcomb St.

CONTRACTOR: The Diamond Engineering Company
1521 W. Anna, PO Box 1327
Grand Island, NE 68802-1327

OWNER: City of Grand Island, NE

THE FOLLOWING MODIFICATIONS TO THE CONTRACT ARE HEREBY ORDERED:

ITEM	DESCRIPTION	BID			INSTALLED		
		QUANTITY	UNIT	Unit Price \$	QUANTITY	UNIT	\$ +/-
D.1.05	12" SOLID SLEEVE	1.00	EA	\$450.00	2.00	EA	\$450.00
D.1.17	15" RC PIPE	18.00	LF	\$155.00	0.00	LF	-\$2,790.00
D.1.18	15" JOINT ENCASEMENT PER STD PLAN 133	2.00	EA	\$510.00	0.00	LF	-\$1,020.00
D.1.19	15" CONCRETE PIPE CAP PER STD PLAN 150	1.00	EA	\$120.00	0.00	LF	-\$120.00
D.1.27	REMOVE SIDEWALK	148.80	SF	\$1.30	268.47	SF	\$155.57
D.1.28	REPLACE SIDEWALK	148.80	SF	\$9.00	268.47	SF	\$1,077.03
D.1.31	REMOVE EXISTING ROADWAY	185.70	SY	\$9.50	237.42	SY	\$491.34
D.1.32	REPLACE EXISTING ROADWAY	185.70	SY	\$52.00	237.42	SY	\$2,689.44
D.1.33	REMOVE CURB	53.10	LF	\$0.65	70.00	LF	\$10.98
D.1.34	REPLACE CURB	53.10	LF	\$3.00	70.00	LF	\$50.70
D.1.35	SOD	300.00	SF	\$3.00	138.71	EA	-\$483.87

SUBTOTAL D.1.01-D.1.36:

\$ 511.19

-	DEWATERING WELL	-	-	\$8,750.00	1.00	LS	\$8,750.00
-	12" C900 PIPE	-	-	\$157.00	18.00	LF	\$2,826.00
-	CONCRETE PIPE CAP FOR 12" C900	-	-	\$120.00	1.00	EA	\$120.00

SUBTOTAL ADDITIONAL ITEMS:

\$ 11,696.00

THIS CHANGE ORDER AMOUNT:

\$ 12,207.19

ORIGINAL CONTRACT AMOUNT:

\$ 79,171.20

REVISED CONTRACT AMOUNT (including this Change Order)

\$ 91,378.39

REASONS FOR MODIFICATIONS:

During the process of constructing the contract, materials were added or deducted to complete the work. 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. A significant portion of the quantity overage is due to additional pavement removal and replacement required to install the dewatering well. Additional sidewalk removal and replacement were required for proper ADA configuration. Additional items were also required due to encountering groundwater and a storm sewer manhole construction differing from that of record.

Contractor: *Bob Lartner*
The Diamond Engineering Company

Date: 8/14/19

Owner: _____
City of Grand Island, NE

Date: _____

RESOLUTION 2019-252

WHEREAS, at the March 26, 2019 meeting, Council awarded the contract for Water Main Project 2018-W-8 at the intersection of Riverside Drive and Holcomb Street to the Diamond Engineering Company of Grand Island, Nebraska, in the amount of \$79,171.20; and

WHEREAS, additional items were required to complete the project due to encountering groundwater, and dewatering was required for seven days; and

WHEREAS, a storm sewer manhole construction differed from that of record, and a portion of storm sewer need to be replaced with 12" C900 pipe instead of the planned 15" RCP, making the total cost for the addition items \$11,696.00; and

WHEREAS, additional pavement removal and replacement was required for the dewatering well installation, additional sidewalk removal, and replacement for proper ADA configuration amount to \$511.19; and

WHEREAS, the original contract was for \$79,171.20 and the changes to the contract amounted to an additional \$12,207.19, for a total contract amount of \$91,378.39.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that Change Order #1 to the contract for Water Main Project 2018-W-8 is approved, and the Mayor is hereby authorized to sign the Change Order on behalf of the City of Grand Island.

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Adopted by the City Council of the City of Grand Island, Nebraska, August 27, 2019.

Roger G. Steele, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
August 23, 2019	☐ City Attorney