



# City of Grand Island

Tuesday, September 11, 2018

Council Session

## Item G-16

**#2018-268 - Approving Change Order #1 with Diamond Engineering for Water Main Project 2018-W-2 - Ingalls & Louise Streets & Yund, Cherry & Division Streets**

Staff Contact: Tim Luchsinger, Stacy Nonhof

# Council Agenda Memo

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

**Meeting:** September 11, 2018

**Subject:** Change Order #1 – Water Main Project 2018-W-2  
Ingalls and Louise Streets; Yund, Cherry and Division  
Streets

**Presenter(s):** Timothy Luchsinger, Utilities Director

## Background

In the late 1940's, early 1950's, very small diameter water lines were installed. These were sufficient to serve homes during that era. However, domestic water usage has changed over the past 65 years due to requirements for fire protection, lawn irrigation and general life style. Even with conservation and more efficient appliances, these small diameter lines do not meet modern needs.

Water Main Project 2018-W-2 replaced the existing two-inch and four-inch diameter water lines in two of these areas within the City. The work was identified in the Utility Department's Master Plan as needed improvements along Ingalls Street and Louise Street and the other being along Yund Street, Cherry Street and Division Street. The work improved capacity and fire protection for the existing areas.

## Discussion

The original contract was awarded by City Council on October 10, 2017, in the amount of \$209,049.95 to The Diamond Engineering Company of Grand Island, Nebraska. Due to a typo, this Change Order will correct Resolution 2017-271 to the actual contract amount of \$209,049.45. Additionally, the following scope alterations were encountered:

Change #1: Utility locations differing from that of record were encountered on Yund Street, Cherry Street and Division Street project areas. In order to provide proper clearance with the new main, the existing main needed to be removed and plugged. The total additional cost for this work is \$2,500.00

Change #2: During the process of constructing the two-project area, materials were added or deducted to complete the work due to utility locations differing from that of

record and re-configuration of installation to resolve unforeseen conflicts. 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. The contract's amount needs to be modified due to adjustments in actual quantities installed versus estimated quantities for the project. This total is a deduct in the amount of \$3,504.21.

The original Engineer's Estimate was \$365,000.00. The original contract was for \$209,049.45. The total changes to the contract amount to a deduct of \$1,004.21. This results in a final contract cost of \$208,045.24.

### **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 Water Main Project 2018-W-2, Change Order #1 to The Diamond Engineering Company in the amount of a deduct of \$1,004.21, for a final contract amount of \$208,045.24.

### **Sample Motion**

Move to approve Change Order #1 with The Diamond Engineering Company in the amount of a \$1,004.21 deduct.

*Working Together for a Better Tomorrow, Today.*

**CHANGE ORDER #1**

**NAME OF PROJECT:** Water Main Project 2018-W-2

**CONTRACTOR:** The Diamond Engineering Company  
 P.O. Box 1327  
 Grand Island, NE 68802

**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.1.01	6" R.J. D.I. PIPE TRENCHLESSLY INSTALLED	680.40	LF	\$73.50	686.90	LF	\$477.75
D.1.02	6" S.J. D.I. PIPE	1,030.00	LF	\$35.60	1039.00	LF	\$320.40
D.1.07	6"X90° M.J. BEND	1.00	EA	\$227.00	2.00	EA	\$227.00
D.1.08	6"X45° M.J. BEND	2.00	EA	\$436.00	7.00	EA	\$1,090.00
D.1.11	6" SOLID SLEEVE	1.00	EA	\$222.00	3.00	EA	\$444.00
D.1.12	6" RETAINER GLAND	33.00	EA	\$103.00	35.00	EA	\$206.00
D.1.13	6"X12" OFFSET FITTING	0.00	EA	\$295.00	2.00	EA	\$590.00
D.1.15	2" PLUG	1.00	EA	\$89.00	0.00	EA	-\$89.00
D.1.20	1" WATER SERVICE (COMPLETE)	21.00	EA	\$1,472.00	18.00	EA	-\$4,416.00
D.1.21	8 MIL POLYWRAP	1,713.40	LF	\$2.20	1,728.90	LF	\$34.10
D.1.25	4" I-BEAM BLOCK	1.00	EA	\$965.00	2.00	EA	\$965.00
D.1.26	REMOVE EXISTING WATER MAIN	28.00	LF	\$8.00	41.60	LF	\$108.80
D.1.32	REMOVE, SALVAGE AND REPLACE BRICK PAVERS	57.60	SF	\$12.75	86.20	SF	\$364.65
D.1.33	REMOVE CONCRETE SIDEWALK	557.20	SF	\$1.55	510.90	SF	-\$71.76
D.1.34	REPLACE CONCRETE SIDEWALK	557.20	SF	\$5.20	510.90	SF	-\$240.76
D.1.35	REMOVE CONCRETE ROADWAY	431.00	SY	\$7.80	376.40	SY	-\$425.88
D.1.36	REPLACE CONCRETE ROADWAY	431.00	SY	\$58.25	376.40	SY	-\$3,180.45
D.1.37	REMOVE 6" INTEGRAL CURB	222.90	LF	\$0.50	212.50	LF	-\$5.20
D.1.38	REPLACE 6" INTEGRAL CURB	222.90	LF	\$2.85	212.50	LF	-\$29.64
D.1.39	SAW CUT	800.40	LF	\$5.00	578.60	LF	-\$1,109.00
D.1.40	BEDDING SAND	269.00	TON	\$11.00	297.50	TON	\$313.50
D.1.44	RESTORE GRAVEL ROADWAY	175.00	TON	\$16.95	301.35	TON	\$2,141.63
D.1.45	SEEDING	4,685.0	SF	\$0.33	990.00	SF	<u>-\$1,219.35</u>

SUBTOTAL D.1.01-D.1.46 (DEDUCT):

(\$ 3,504.21)

-	CHANGE ORDER REQUEST NO. 1	-	-	\$2,500.00	1.0	LS	<u>\$2,500.00</u>
SUBTOTAL COR1 (ADD):							\$ 2,500.00

**THIS CHANGE ORDER DEDUCT AMOUNT:** (\$ 1,004.21)  
**ORIGINAL CONTRACT AMOUNT:** \$ 209,049.45  
**REVISED CONTRACT AMOUNT (including this Change Order)** \$ 208,045.24

**REASONS FOR MODIFICATIONS:**

During the process of constructing the two project area contract, materials were added or deducted to complete the work due to utility locations differing from that of record and reconfiguration of installations to resolve unforeseen conflicts. 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:** *Bob Sartorius* **Date:** 8/30/18  
 The Diamond Engineering Co.

**Owner:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
 City of Grand Island, NE

RESOLUTION 2018-268

WHEREAS, at the October 10, 2017 meeting, Council awarded the contract for Water Main Project 2018-W-2 in the amount of \$209,049.95 to The Diamond Engineering Company of Grand Island, Nebraska, per Resolution #2017-271; and

WHEREAS, due to a typo, the original amount was incorrect, and that amount should have been \$209,049.45, and this Resolution will correct that amount; and

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

- 1) Change #1: Utility locations differing from that of record were encountered on Yund Street, Cherry Street and Division Street project areas and in order to provide proper clearance with the new main, the existing main needed to be removed and plugged. The total additional cost for this work is \$2,500.00
- 2) Change #2: 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. This amount deducted \$3,504.21 to the amount due.

WHEREAS, the contract's amount needs to be modified due to the afore mentioned causes for the project in the amount of a deduct of \$1,004.21 for a final contract amount of \$208,045.24.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that Change Order #1 with The Diamond Engineering Company, is approved in the amount of a deduct of \$1,004.21, and the Mayor is hereby authorized to sign the Change Order on behalf of the City of Grand Island.

- - -

Adopted by the City Council of the City of Grand Island, Nebraska, September 11, 2018.

\_\_\_\_\_  
Jeremy L. Jensen, Mayor

Attest:

\_\_\_\_\_  
RaNae Edwards, City Clerk

Approved as to Form	☐ _____
September 7, 2018	☐ City Attorney