



City of Grand Island

Tuesday, September 13, 2011

Council Session

Item G10

**#2011-235 - Approving Change Order #1 - Water Main Project
2011-W-1 - Water Main Replacement - 7th Street, Elm to Clark,
and Clark from 7th to 9th Street**

Staff Contact: Tim Luchsinger

Council Agenda Memo

From: Timothy Luchsinger, Utilities Director
Meeting: September 13, 2011
Subject: Water Main Project 2011-W-1, Change Order #1
Item #'s: G-10
Presenter(s): Timothy Luchsinger, Utilities Director

Background

The referenced project was contracted with The Diamond Engineering Co. to replace the 100 plus year old 4" water main in 7th Street between Elm Street and Clark Street; and in Clark Street from 7th Street to 9th Street. A new 8" diameter ductile-iron water main, new water service connections to each adjacent residential property, and related upgrades in the area will insure continued operation and service reliability of the water system for the next 100 years.

The project is part of a Community Development Block Grant designated to help revitalize an area where the residents meet income guidelines established by the Nebraska Department of Economic Development. The grant covers infrastructure improvements, engineering, and administrative costs.

Attached for reference is a map of the area within the Grant.

Discussion

The contract documents provide for the contractor to be paid on the basis of actual quantities installed at the contract's unit prices. Due to encountered unknown obstacles, adjustments were needed in actual quantities installed versus estimated quantities. Additional items were also required to be removed, replaced, and installed that were not listed in the original contract quantity estimate. These include: additional concrete surfacing; replacing a 102 year old water service that ran under an adjoining business, and eliminating a storm sewer conflict.

The original Contract amount was \$206,907.32. The amount for Change Order #1 is \$23,418.38, for a final Contract amount of \$230,325.70. A detail listing of all quantities used on the project is attached.

Alternatives

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

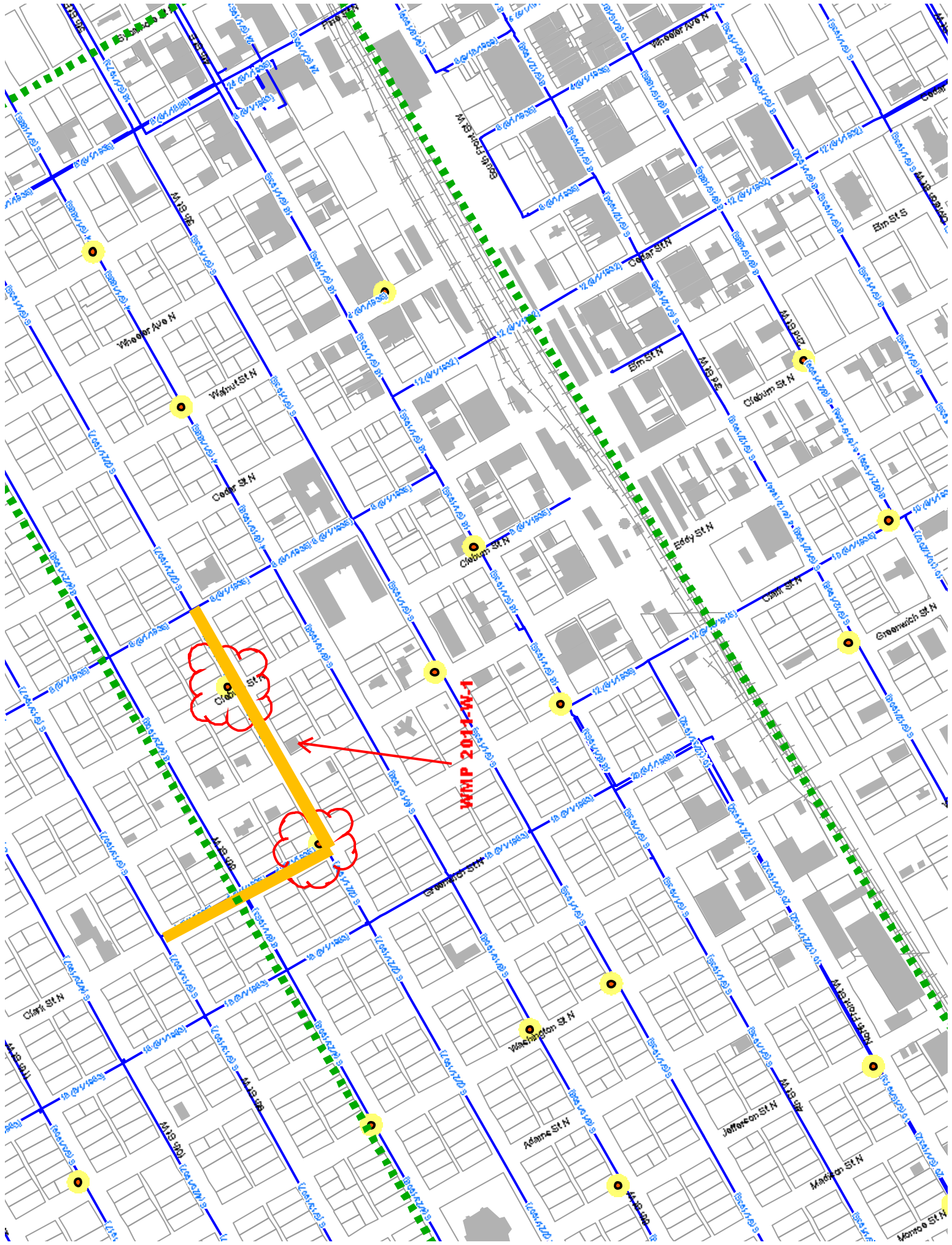
1. Move to approve.
2. Refer the issue to a Committee.
3. Postpone the issue to future date.
4. Take no action on the issue.

Recommendation

It is recommended that the Council approve Change Order #1 for a total amount of \$230,325.70, an increase of \$23,418.38.

Sample Motion

Move to amend the amount of the contract for Water Main Project 2011-W-1 with the Diamond Engineering Company, of Grand Island, Nebraska to the amount of \$230,325.70.



WMP 2012-W-1



GRAND ISLAND, NE 68802-1327
P.O. BOX 1327
1621 WEST ANNA
(908) 382-0362
FAX (908) 382-8589

THE DIAMOND ENGINEERING CO.
ENGINEERS AND CONTRACTORS

WICHITA, KANSAS 67277-2848
P.O. BOX 12348
3612 WEST LAWNER
(316) 943-3651
FAX (316) 943-7235

August 30, 2011

City of Grand Island, Nebraska
Attn: Tom Zeckser
P.O. Box 1968
Grand Island, Nebraska 68802

RE: Water Main Project 2011-W-1

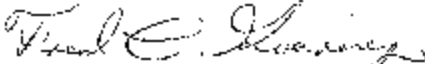
Tom:

The prices you requested for the Clark Street and 7th Street Water Main project are listed below:

Radius Inlet Box	\$3,000.00/EA @ 1EA = \$3,000.00
8" 45 deg Bend	\$370.00/EA @ 2 EA = \$ 740.00
Redi Rods & Duc lugs	\$149.50/EA @ 1 EA = \$ 149.50
New 1" service @ 615 North Eddy	\$4,995.00/LS @ 1 EA = <u>\$4,995.00</u>
	Total \$8,884.50

If you have any questions give me a call.

The Diamond Engineering Company


Fred C. Goering Vice President

CC: File 2114

Water Main Project 2011-W-1

Bids: 4/14/2011

Pay Request: No. 6 FINAL

Seventh Street, from Elm St to Clark St - and Clark Street, from 7th St to 9th St
Water Main Replacement.


Date: 9/1/2011

THE DIAMOND ENGINEERING COMPANY
P O Box 1327
Grand Island, NE 68802
Tel: (308) 382-8362 Fax: (308) 382-8389

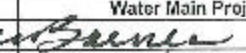
ITEM	DESCRIPTION	QUANTITY EST.	UNIT	\$	TOTAL \$	QUANTITIES		TOTAL AMT
						PLACED		COMPLETED \$
1.01	8" d.i. pipe (r.j.) - trenchless installation	1,390.8	l.f.	48.10	66,597.48	1,385.40	l.f.	66,637.74
1.02	8" d.i. pipe (s.j.) - trenchcut	39.2	l.f.	38.55	1,511.16	39.20	l.f.	1,511.16
1.03	8" d.i. pipe (s.i.)	41.7	l.f.	34.80	1,451.16	33.50	l.f.	1,165.80
1.04	8"x8"x8" m.j. tapping sleeve	1.0	ea.	2,280.00	2,280.00	1.00	ea.	2,280.00
1.05	8"x8"x8" m.j. tee	1.0	ea.	462.35	462.35	1.00	ea.	462.35
1.06	8"x8"x6" m.j. tapping sleeve	1.0	ea.	2,071.00	2,071.00	0.00	ea.	0.00
1.07	8"x8"x6" m.j. tee	4.0	ea.	428.00	1,712.00	4.00	ea.	1,712.00
1.08	8"x6" m.j. reducer	2.0	ea.	217.00	434.00	2.00	ea.	434.00
1.09	8" retainer gland	0.0	ea.	110.00	0.00	4.00	ea.	440.00
1.10	8" sleeve coupling	0.0	ea.	329.00	0.00	4.00	ea.	1,316.00
1.11	6"x6"x6" m.j. tapping sleeve	1.0	ea.	1,929.00	1,929.00	2.00	ea.	3,858.00
1.12	8"x8"x6" m.j. tee	1.0	ea.	392.00	392.00	1.00	ea.	392.00
1.13	6" retainer gland	0.0	ea.	95.00	0.00	1.00	ea.	95.00
1.14	6" sleeve coupling	2.0	ea.	290.00	580.00	2.00	ea.	580.00
1.15	8" r.s. tapping valve	1.0	ea.	1,555.00	1,555.00	1.00	ea.	1,555.00
1.16	8" r.s. gate valve	1.0	ea.	1,360.00	1,360.00	1.00	ea.	1,360.00
1.17	6" r.s. tapping valve	2.0	ea.	1,085.00	2,130.00	2.00	ea.	2,130.00
1.18	6" r.s. gate valve	0.0	ea.	960.00	0.00	0.00	ea.	0.00
1.19	valve box	4.0	ea.	201.60	806.40	4.00	ea.	806.40
1.20	fire hydrant assembly	5.0	ea.	2,150.00	10,750.00	5.00	ea.	10,750.00
1.21	thrust block	9.0	ea.	192.80	1,735.20	11.00	ea.	1,735.20
1.22	I-beam block	3.0	ea.	652.00	1,956.00	3.00	ea.	1,956.00
1.23	1" copper water service (complets)	35.0	ea.	2,040.00	71,400.00	35.00	ea.	71,400.00
1.24	8 mil polywrap	1,471.7	l.f.	0.90	1,324.53	1,468.00	l.f.	1,409.28
1.25	abandon existing water main complete	4.0	ea.	505.00	2,020.00	4.00	ea.	2,020.00
1.26	abandon water main in manhole complete	3.0	ea.	208.00	624.00	2.00	ea.	416.00
1.27	remove and salvage existing fire hydrant	2.0	ea.	166.40	332.80	2.00	ea.	332.80
1.28	remove existing roadway	265.8	s.y.	6.75	1,794.15	281.50	s.y.	1,900.13
1.29	replace concrete roadway	265.8	s.y.	39.10	10,392.78	281.50	s.y.	11,006.65
1.30	remove intergal curb	121.6	l.f.	3.00	364.80	119.70	l.f.	359.10
1.31	replace intergal curb	121.6	l.f.	3.15	383.04	119.70	l.f.	377.06
1.32	remove asph./conc. Driveway	75.9	s.y.	6.55	497.15	123.56	s.y.	809.32
1.33	replace asph./conc. Driveway	75.9	s.y.	26.75	2,030.33	123.56	s.y.	4,540.83
1.34	remove concrete sidewalk	1,109.0	s.f.	0.80	887.20	2,527.10	s.f.	2,021.68
1.35	replace concrete sidewalk	1,372.8	s.f.	5.50	7,550.40	2,980.00	s.f.	16,390.00
1.36	remove brick sidewalk	253.9	s.f.	0.88	223.23	343.90	s.f.	302.63
1.37	replace brick sidewalk	0.0	s.f.	10.40	0.00	0.00	s.f.	0.00
1.38	saw cut	111.6	l.f.	3.35	373.86	196.90	l.f.	659.62
1.39	Residential Seeding	10,000.0	s.f.	0.35	3,500.00	10,611.00	s.f.	3,713.85
1.40	Traffic Control	1.00	l.s.	2,880.00	2,880.00	1.00	l.s.	2,880.00

Contract Amount	\$206,907.32	
Amount Completed		\$221,441.20
Additional Items per Change Order 1		\$8,684.50
Contract Amount per Change Order 1		\$230,325.70
Less Pay Request 1		(\$26,321.49)
Less Pay Request 2		(\$28,738.44)
Less Pay Request 3		(\$1,766.89)
Less Pay Request 4		(\$52,256.20)
Less Pay Request 5		(\$55,690.46)
Amount Due Pay Request 6 (per Final Contract Amount)		\$65,552.22

Approved by: THE DIAMOND ENGINEERING COMPANY

Signed: 
Date: 9/2/11

Approved by: GRAND ISLAND UTILITIES DEPARTMENT

PO #			
Vendor #	154		
Invoice #	No. 6 FINAL		
Description	Water Main Project 2011-W-1		
Approved by			Date: 9/2/2011
Org-obj #	Amount	WVOW#	Taxable Amount
52514510	\$65,552.22	W23480	



CHANGE ORDER #1

TO: The Diamond Engineering Company
 PO Box 1327
 1521 West Anna Street
 Grand Island, NE 68801

PROJECT: Water Main Project 2011-W-1
 Water Main Replacement
 Seventh Street, from Elm Street to Clark Street;
 and Clark Street, from 7th Street to 9th Street

You are hereby directed to make the following change in your contract:

- Amend the original contract price of \$206,907.32 to \$230,325.70, an increase of \$23,418.38, due to necessary addition and deletion of project materials.

DESCRIPTION	\$ BID TOTAL \$	ADDITIONAL QUANTITIES		TOTAL AMT
		PLACED		
ORIGINAL CONTRACT AMOUNT	\$206,907.32			
Cost for Quantities Installed per Contract				\$221,441.20
Add Radius Pipe Rbx (1 @ \$3,000.00 ea)		1.0	ea.	3,000.00
Add 3" 45 deg Bend (2 @ \$370.00 ea)		2.0	ea.	740.00
Add Redd Rods & Dun Lugs (1 @ \$149.50 ea)		1.0	ea.	149.50
Add New 1" Service @ \$15 North Liddy		1.0	ea.	4,995.00
FINAL CONTRACT AMOUNT				\$230,325.70
AMOUNT OF CHANGE ORDER #1				\$23,418.38

Approval and acceptance of this Change Order acknowledges understanding and agreement that no additional claims will be considered.

APPROVED: **CITY OF GRAND ISLAND**

By: _____
 Mayor

Date: _____

Attest: _____

Approved as to Form, City Attorney

ACCEPTED: **THE DIAMOND ENGINEERING COMPANY**

By: Frank C. Goering

Date: 9/2/11

RESOLUTION 2011-235

WHEREAS, the Diamond Engineering Company of Grand Island, Nebraska, was awarded the contract for Water Main Project 2011-W-1, 7th Street from Elm Street to Clark Street, from 7th Street to 9th Street, at the April 26, 2011 City Council meeting in the amount of \$206,907.32; and

WHEREAS, the Contract with the Diamond Engineering Company provides for the contractor to be paid on the basis of actual quantities installed at the contract's unit prices; and

WHEREAS, due encountered unknown obstacles, adjustments were needed in actual quantities installed versus estimated quantities, the amount was increased by \$23,418.38 from the original bid; and

WHEREAS, Change Order #1 was prepared for the final construction contract adjustment, resulting in a final contract amount of \$230,325.70.

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 of Grand Island, Nebraska resulting in a final contract price of \$230,325.70, is hereby approved.

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Adopted by the City Council of the City of Grand Island, Nebraska, September 13, 2011.

Jay Vavricek, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form ☐ _____
September 8, 2011 ☐ City Attorney