



City of Grand Island

Tuesday, July 12, 2011

Council Session

Item G2

**#2011-165 - Approving Change Order #1 - Water Main Project
2009-W-1 - Cedar Street from South Front Street to North Front
Street**

Staff Contact: Tim Luchsinger

Council Agenda Memo

From: Tim Luchsinger, Utilities Director
Jason Eley, Assistant City Attorney/Purchasing

Meeting: July 12, 2011

Subject: Change Order #1 – Water Main Project 2009-W-1

Item #'s: G-2

Presenter(s): Tim Luchsinger, Utilities Director

Background

The project area is located in Cedar Street between South Front Street and North Front Street and crosses under the Union Pacific Railroad. In 2008, the existing 12” main broke within the railroad’s right-of-way. Due to the possibility of another pipeline failure, a contract to replace this section of water main was awarded to Van Kirk Brothers Contracting of Sutton, Nebraska. The work involved the installation of a 24” diameter steel casing under the tracks with a new replacement ductile-iron water main. A location map is attached.

The original contract amount was \$178,172.30 and needs to be modified to reflect changes in the installation of the water line. The change order will decrease the contract amount by \$2,989.24, to \$175,183.06.

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 minor adjustments in actual quantities installed versus estimated quantities for the project, the installation cost of the project would be decreased to the amount of \$176,651.10. Additionally, alternate construction methods and materials were utilized to further decrease the total cost for installing the project. These alternates were not a part of the original contract quantities. By utilizing these procedures, it additionally reduces the contract for a total savings from the original bid of \$2,989.24. A detailed 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:

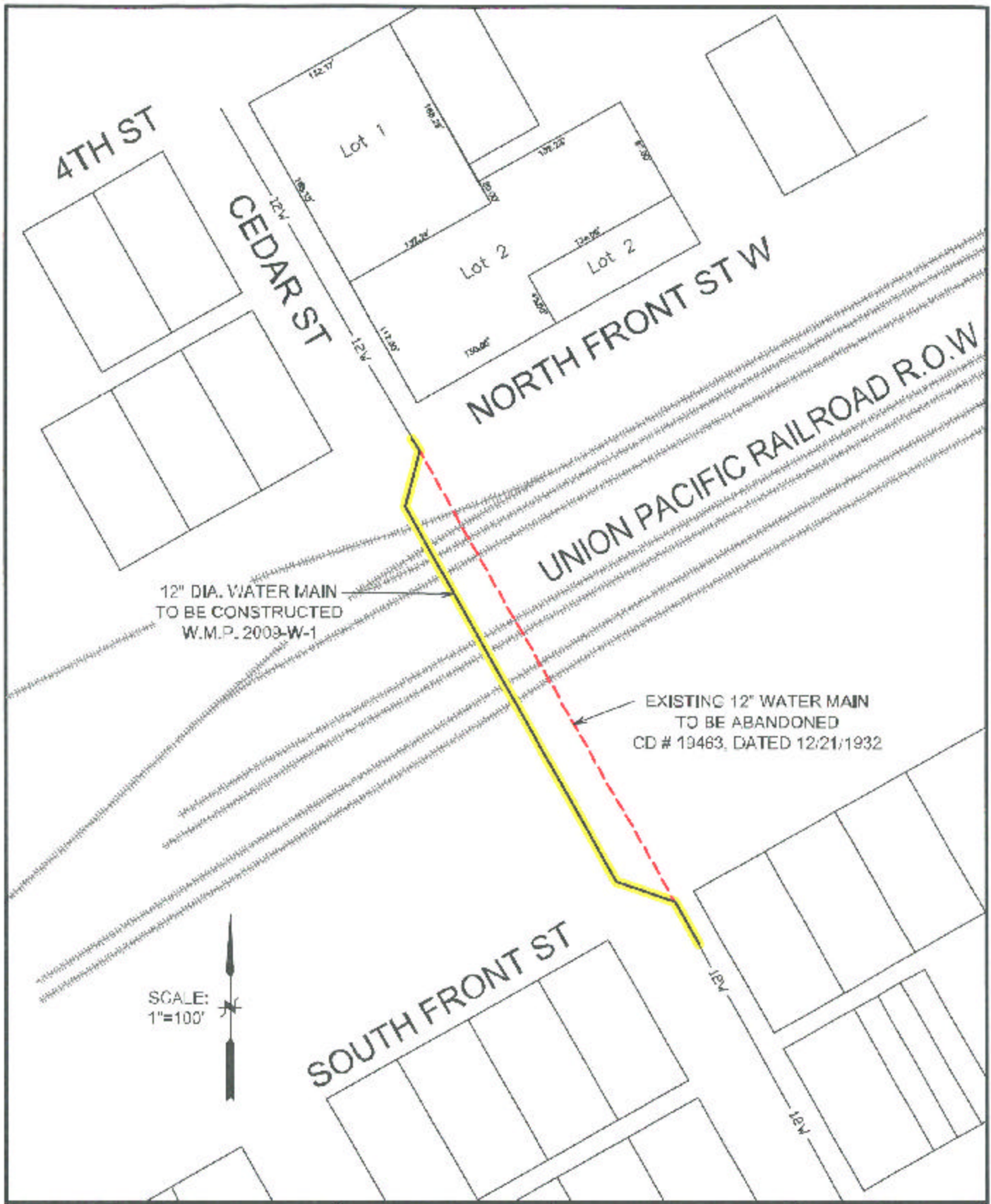
1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to future date
4. Take no action on the issue

Recommendation

City Administration recommends that the Council approve Change Order #1 which reduces the contract amount to \$175,183.06 from \$178,172.30.

Sample Motion

Move to approve Change Order #1 for Water Main Project 2009-W-1 with Van Kirk Brothers Contracting to reduce the amount of the contract by \$2,989.24 to the amount of \$175,183.06.



12" DIA. WATER MAIN
TO BE CONSTRUCTED
W.M.P. 2009-W-1

EXISTING 12" WATER MAIN
TO BE ABANDONED
CD # 19463, DATED 12/21/1932

SCALE:
1"=100'

CITY OF GRAND ISLAND
UTILITIES DEPARTMENT

DRAWN BY: Q. MENDYK
DATE: 6/14/2010
CHECKED BY: T.W.J.

WMP 2009-W-1
CEDAR ST


DRAWING NO.:
F-356-A

Water Main Project 2009-W-1
Cedar Street and UPRR

Van Kirk Bros. Contracting
1200 W Ash, PO Box 585
Sutton, NE 68979
Phone: 402.773.5250, 402.773.5480 FAX
vkb@mainstaycomm.net

Pay Request: 2 FINAL
Date: 6/20/2011

ITEM	DESCRIPTION	QUANTITY EST.	I.F.	Van Kirk Bros Const.		FINAL QUANTITIES		TOTAL AMT
				BID UNIT \$	BID TOTAL \$	PLACED	COMPLETED \$	
1.01	24" Dia x 0.500" Steel Casing	395.3	I.f.	\$250.00	98,825.00	395.0	I.f.	\$98,750.00
1.02	24" Cap (MJ)	2.0	ea.	\$985.00	1,970.00	2.0	ea.	\$1,970.00
1.03	24" Retainer Gland	2.0	ea.	\$200.00	400.00	2.0	ea.	\$400.00
1.04	12" D.I. Pipe (RJ)	443.0	I.f.	\$56.00	24,808.00	452.0	I.f.	\$25,312.00
1.05	6" D.I. Pipe (SJ)	19.1	I.f.	\$35.00	668.50	18.3	I.f.	\$640.50
1.06	12"x12"x6" Tee (MJ)	1.0	ea.	\$500.00	500.00	1.0	ea.	\$500.00
1.07	12"x22.5" Ell (MJ)	4.0	ea.	\$400.00	1,600.00	4.0	ea.	\$1,600.00
1.08	12"x8" Reducer (MJ)	2.0	ea.	\$250.00	500.00	2.0	ea.	\$500.00
1.09	12" Retainer Gland	2.0	ea.	\$50.00	100.00	2.0	ea.	\$100.00
1.10	12" RS Gate Valve	2.0	ea.	\$1,800.00	3,600.00	2.0	ea.	\$3,600.00
1.11	Valve Box	2.0	ea.	\$50.00	100.00	3.0	ea.	\$150.00
1.12	Fire Hydrant Assembly	1.0	ea.	\$1,400.00	1,400.00	1.0	ea.	\$1,400.00
1.13	Thrust Block	5.0	ea.	\$110.00	550.00	5.0	ea.	\$550.00
1.14	Bell Block	1.0	ea.	\$125.00	125.00	0.0	ea.	\$0.00
1.15	Pavement Saw Cut	4.0	I.f.	\$8.00	32.00	8.0	I.f.	\$64.00
1.16	Remove Roadway	290.6	s.y.	\$5.00	1,453.00	249.8	s.y.	\$1,249.00
1.17	Replace Roadway	290.6	s.y.	\$65.00	18,889.00	249.8	s.y.	\$16,237.00
1.18	Remove Curb & Gutter	10.8	I.f.	\$5.00	54.00	39.9	I.f.	\$199.50
1.19	Replace Curb & Gutter	10.8	I.f.	\$22.00	237.60	39.9	I.f.	\$877.80
1.20	Remove & Salvage 12"x12"x6" Tee	1.0	ea.	\$200.00	200.00	1.0	ea.	\$200.00
1.21	Remove & Salvage 6" Gate Valve	1.0	ea.	\$150.00	150.00	1.0	ea.	\$150.00
1.22	Remove & Salvage Valve Box	1.0	ea.	\$20.00	20.00	1.0	ea.	\$20.00
1.23	Remove & Salvage Fire Hydrant	1.0	ea.	\$350.00	350.00	1.0	ea.	\$350.00
1.24	Remove & Salvage Manhole Ring & Cover	2.0	ea.	\$150.00	300.00	3.0	ea.	\$450.00
1.25	Remove & Dispose Manhole	2.0	ea.	\$500.00	1,000.00	3.0	ea.	\$1,500.00
1.26	12" HDPE Storm Sewer Pipe	103.9	I.f.	\$28.00	2,909.20	105.0	I.f.	\$2,940.00
1.27	Rebuild Storm Sewer Intake	1.0	ea.	\$1,500.00	1,500.00	1.0	ea.	\$1,500.00
1.28	Construct Storm Sewer Junction Box	2.0	ea.	\$1,500.00	3,000.00	2.0	ea.	\$3,000.00
1.29	6" PVC Conduit	454.0	I.f.	\$7.50	3,405.00	450.0	I.f.	\$3,375.00
1.30	Conduit Casing Spacers	91.0	ea.	\$46.00	4,186.00	84.0	ea.	\$3,864.00
1.31	6" PVC Cap	2.0	ea.	\$50.00	100.00	2.0	ea.	\$100.00
1.32	6"x45"x48" Radius Ell (GRC) w/ Adapter	1.0	ea.	\$152.00	152.00	1.0	ea.	\$152.00
1.33	8 mil Polywrap	463.0	I.f.	\$1.00	463.00	470.3	I.f.	\$470.30
1.34	Fill Sand	9.5	cy.	\$300.00	2,850.00	9.5	cy.	\$2,850.00
1.35	Seeding & Mulching	650.0	s.f.	\$0.50	325.00	360.0	s.f.	\$180.00
1.36	Remove & Replace Protective Posts	2.0	ea.	\$100.00	200.00	2.0	ea.	\$200.00
1.37	Traffic Control	1.0	I.s.	\$1,250.00	1,250.00	1.0	I.s.	\$1,250.00
ORIGINAL CONTRACT AMOUNT					\$178,172.30			
								\$176,651.10
Item 1.10 Furnish & Install 12" RS Gate Valve				\$1,800.00	Deduct	-2.0	ea.	(\$3,600.00)
Item 1.10 Alternate Furnish 12" RS Gate Valve Only				\$1,700.00	Add	2.0	ea.	\$3,400.00
Item 1.34 Fill Sand				\$300.00	Deduct	-9.5	cy.	(\$2,850.00)
Item 1.34 Alternate Flowable Fill				\$245.00	Add	4.0	cy.	\$980.00
Remove & Replace Deleterious Excavated Soils				\$8.15	Add	73.9	ton	\$601.96
Total for Change Order 1								(\$1,468.04)
NEW CONTRACT AMOUNT								\$175,183.06
Amount Previously Paid (Pay Request 1)								(\$153,090.99)
FINAL AMOUNT DUE - CONTRACT 2009-W-1								\$22,092.07

By:  Date: 6/20/11
Van Kirk Bros. Contracting



CHANGE ORDER #1

TO: Van Kirk Bros. Contracting
 1200 West Ash Street, PO Box 585
 Sutton, NE 68979

PROJECT: Water Main Project 2009-W-1
 Cedar Street and Union Pacific Railroad (UPRR)

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

- Amend the Original Contract amount from \$178,172.30 to \$175,183.06, as indicated below. The final amount due for Water Main Project 2009-W-1 is \$22,092.07.

DESCRIPTION	BID UNIT \$	BID TOTAL \$	FINAL QUANTITIES		TOTAL AMT
			PLACED		
ORIGINAL CONTRACT AMOUNT		\$178,172.30			
Initial Cost for Quantities Installed					\$176,651.10
Item 1.10 Furnish & Install 12" RS Gate Valve	\$1,800.00	Deduct	-2.0	ea.	(\$3,600.00)
Item 1.10 Alternate Furnish 12" RS Gate Valve Only	\$1,700.00	Add	2.0	ea.	\$3,400.00
Item 1.34 Fill Sand	\$300.00	Deduct	-9.5	cy.	(\$2,850.00)
Item 1.34 Alternate Flowable Fill	\$215.00	Add	4.0	cy.	\$860.00
Remove & Replace Detritious Excavated Soils	\$8.15	Add	73.9	ton	\$601.98
TOTAL FOR CHANGE ORDER #1					(\$1,468.04)
NEW CONTRACT AMOUNT					\$175,183.06
Amount Previously Paid (Pay Request 1)					<u>(\$153,090.99)</u>
FINAL AMOUNT DUE - CONTRACT 2009-W-1					\$22,092.07

Approval and acceptance of this Change Order acknowledges understanding and agreement that the cost adjustments included represent the complete values arising out of and/or incidental to the work described herein. Additional claims will not be considered.

APPROVED: **CITY OF GRAND ISLAND**

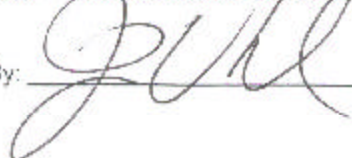
By: _____
 Mayor

Date: _____

Attest: _____

Approved as to Form, City Attorney

ACCEPTED: **VAN KIRK BROS. CONTRACTING**

By: 

Date: 6/20/11

RESOLUTION 2011-165

WHEREAS, Van Kirk Brothers Contracting of Sutton, Nebraska, was awarded the contract for Water Main Project 2009-W-1, Cedar Street between South Front Street and North Front Street, at the January 25, 2011 City Council meeting in the amount of \$178,172.30; and

WHEREAS, the Contract with Van Kirk Brothers Contracting provides for the contractor to be paid on the basis of actual quantities installed at the contract's unit prices; and

WHEREAS, due to minor adjustments in actual quantities installed versus estimated quantities for the project, and alternate construction methods and materials, the cost of the project was reduced \$2,989.24 from the original bid.

WHEREAS, Change Order #1 was prepared for the final construction contract adjustment, resulting in a final contract amount of \$175,183.06.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that Change Order #1 with Van Kirk Brothers Contracting of Sutton, Nebraska resulting in a final contract price of \$175,183.06, is hereby approved.

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Adopted by the City Council of the City of Grand Island, Nebraska, July 12, 2011.

Jay Vavricek, Mayor

Attest:

RaNae Edwards, City Clerk

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