



City of Grand Island

Tuesday, August 27, 2013

Council Session

Item G-15

**#2013-282 - Approving Change Order No. 2 for 5th Street Sanitary
Sewer Improvements; Project No. 2012-S-3**

Staff Contact: John Collins, P.E. - Public Works Director

Council Agenda Memo

From: Marvin Strong PE, Wastewater Treatment Plant Engineer

Meeting: August 27, 2013

Subject: Approving Change Order No. 2 for 5th Street Sanitary Sewer Improvements; Project No. 2012-S-3

Item #'s: G-15

Presenter(s): John Collins PE, Public Works Director

Background

On October 4, 2012 the Engineering Division of the Public Works Department advertised for bids for the 5th Street Sanitary Sewer Improvements; Project No. 2012-S-3.

The completed project provides a new interceptor sewer line added along the south side of 5th Street from Eddy Street to Vine Street. The sewer line size will be a twenty-one (21) inch line with an approximate length of thirty seven hundred (3,700) feet.

The existing 15-inch vitrified clay sewer line that is located in the alley between 4th Street and 5th Street from Eddy Street to Vine Street will be rehabilitated with a combination of spot repairs and the installation of a Cured In Place Pipe (CIPP) liner.

On August 28, 2012, Resolution 2012-360, City Council awarded, Project 2012-S-3, 5th Street Sanitary Sewer Improvements to The Van Kirk Brothers Contracting of Sutton, Nebraska, in the amount of \$1,734,105.93.

Community Development Block Grant has allocated revitalization funds to a portion of the project in the amount of \$499,638.70.

On July 23, 2013, Resolution 2013-241, City Council approved Change Order No. 1 for a construction time extension of forty-five (45) days in bid section "A", and construction time extension of thirty-one (31) days in bid section "B".

Discussion

CHANGE ORDER NO. 2

Change Order No. 2-1

The Incorporated work required the addition of 23.6 feet of fifteen (15) inch CIPP liner.

<u>Bid Unit Price</u>	<u>Units</u>	<u>Quantity Change</u>	<u>Total Price Change</u>
\$45.30	Linear Feet	23.6	\$ 1,069.08

TOTAL COST FOR CO2-1 \$ 1,069.08

Change Order No. 2-2

The Incorporated work required the deletion of 64.0 feet of fifteen (15) inch clay tile pipe repair. It was determined after video inspection the contractor means and methods eliminated the need to replace pipe prior to liner installation.

<u>Bid Unit Price</u>	<u>Units</u>	<u>Quantity Change</u>	<u>Total Price Change</u>
\$40.00	Linear Feet	64.0	\$ (2,560.00)

TOTAL COST FOR CO2-2 \$ (2,560.00)

Change Order No. 2-3

The Incorporated work required the deletion of 6.0 each open excavation pits. It was determined after video inspection the contractor means and methods eliminated the need to replace pipe prior to liner installation.

<u>Bid Unit Price</u>	<u>Units</u>	<u>Quantity Change</u>	<u>Total Price Change</u>
\$5,000.00	Each	6.0	\$ (30,000.00)

TOTAL COST FOR CO2-3 \$ (30,000.00)

Change Order No. 2-4

The Incorporated work required the addition of 2.0 each sewer services reinstated with robotic cutting equipment after lining installation.

<u>Bid Unit Price</u>	<u>Units</u>	<u>Quantity Change</u>	<u>Total Price Change</u>
\$80.30	Each	2.0	\$ 160.60

TOTAL COST FOR CO2-4 \$ 160.60

Change Order No. 2-5

The Incorporated work required the deletion of 8.0 each sewer services reinstated after spot repair work.

<u>Bid Unit Price</u>	<u>Units</u>	<u>Quantity Change</u>	<u>Total Price Change</u>
\$1,500.00	Each	8.0	\$ (12,000.00)

TOTAL COST FOR CO2-5 \$ (12,000.00)

Change Order No. 2-6

The Incorporated work required the deletion of 29.0 each of four (4) inch service liners (Top Hats). It was determined after video inspection the existing service(s) condition was reclassified to non-critical eliminating the service liner installation.

<u>Bid Unit Price</u>	<u>Units</u>	<u>Quantity Change</u>	<u>Total Price Change</u>
\$3,250.00	Each	29.0	\$ (94,250.00)

TOTAL COST FOR CO2-6 \$ (94,250.00)

Change Order No. 2-7

The Incorporated work required the deletion of 345.0 square yards of concrete street pavement.

<u>Bid Unit Price</u>	<u>Units</u>	<u>Quantity Change</u>	<u>Total Price Change</u>
\$65.00	Square Yard	345.0	\$ (22,425.00)

TOTAL COST FOR CO2-7 \$ (22,425.00)

Change Order No. 2-8

The Incorporated work required the deletion of 1.0 each of storm water inlet grate.

<u>Bid Unit Price</u>	<u>Units</u>	<u>Quantity Change</u>	<u>Total Price Change</u>
\$2,000.00	Each	1.0	\$ (2,000.00)

TOTAL COST FOR CO2-7 \$ (2,000.00)

TOTAL SUMMARY OF COSTS \$ (162,005.32)

Wastewater staff and the consulting engineer Olsson Associates have reviewed the changed condition(s) and believe such changes will bring benefit to the overall finished product.

Change Order No. 2 will extend the construction completion date to August 12, 2013. Project Retainage in the amount of \$6,618.83 will be released on Pay Application No. 3.

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 authorization to adjust line item quantities to the final constructed units as described in Change Order No. 2 with The Van Kirk Brothers of Sutton, Nebraska for 5th Street Sanitary Sewer Improvements, Project 2012-S-3.

Sample Motion

Move to approve the Mayor of the City of Grand Island, Nebraska authorized on behalf of the City of Grand Island to execute a Change Order No. 2 with The Van Kirk Brothers of Sutton, Nebraska for a contract reduction in the amount of \$(162,005.32) for a revised contract amount of \$1,572,100.61.

Change Order

No. 2(Final Bid Section B)

Date of Issuance: August 16, 2013

Effective Date: August 16, 2013

Project: 5th Street Sanitary Sewer Improvements	Owner: City of Grand Island, Nebraska	Owner's Contract No.: 2012-S-3
Contract: 5th Street Sanitary Sewer Improvements	Date of Contract:	
Contractor: Van Kirk Bros. Contracting, 1200 W Ash, PO Box 585, Sutton, NE 68979	Engineer's Project No.: 011-2347	

The Contract Documents are modified as follows upon execution of this Change Order:

Description:

Requesting extension on calendar days: Section B – requesting 31 day extension; Final quantity changes.

Attachments (list documents supporting change):

See attached

CHANGE IN CONTRACT PRICE:

CHANGE IN CONTRACT TIMES:

Original Contract Price:

\$499,638.70

[Increase] [Decrease] from previously approved Change Orders No. N/A to No. N/A:

\$499,638.70

Contract Price prior to this Change Order:

\$499,638.70

Decrease of this Change Order:

(\$162,005.32)

Contract Price incorporating this Change Order:

\$337,633.38

Original Contract Times:

☐ Working days

☒ Calendar days

Substantial completion (days or date): N/A

Ready for final payment (date): Section B, June 30, 2013

Increase from previously approved Change Orders No. N/A to No. 1:

Substantial completion (days): N/A

Ready for final payment (days): Section B, July 31, 2013

Contract Times prior to this Change Order:

Substantial completion (days or date): N/A

Ready for final payment (date): Section B, July 31, 2013

Increase of this Change Order:

Substantial completion (days or date): N/A

Ready for final payment (date): Section B, August 12, 2013

Contract Times with all approved Change Orders:

Substantial completion (days or date): N/A

Ready for final payment (date): Section B, August 12, 2013

RECOMMENDED: Olsson Associates

ACCEPTED: City of Grand Island, Nebraska

ACCEPTED: Van Kirk Bros. Contracting

By: [Signature]
Engineer (Authorized Signature)

By: _____
Owner (Authorized Signature)

By: [Signature]
Contractor (Authorized Signature)

Date: 8/16/13

Date: _____

Date: 8/16/13

Approved by Funding Agency (if applicable):

Date: _____

EJCDC C-941 Change Order

Prepared by the Engineers Joint Contract Documents Committee and endorsed by the Construction Specifications Institute.

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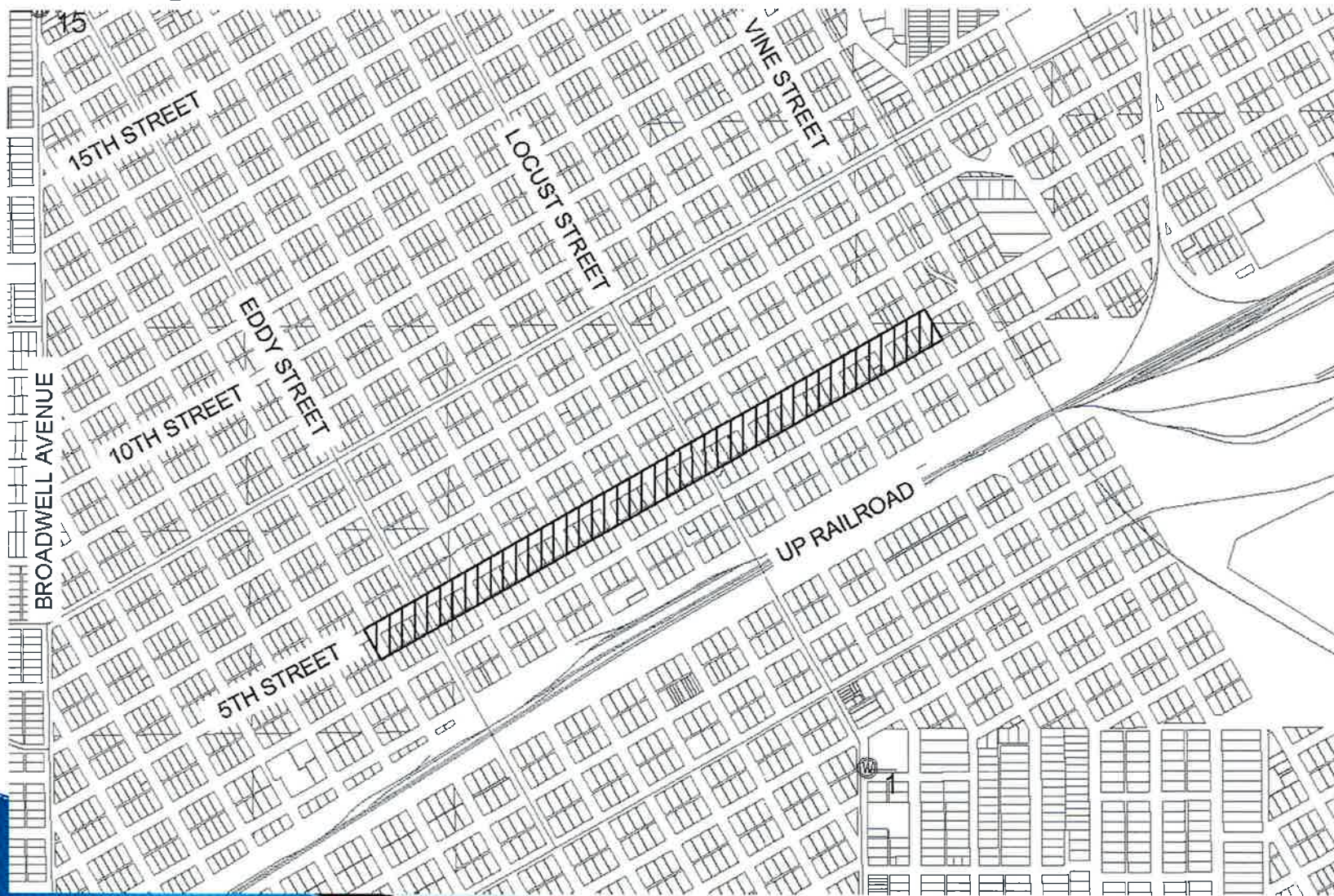
VAN KIRK BROTHERS CONTRACTING
P O BOX 585
SUTTON, NEBRASKA

**SEWER PROJECT 2011-S-1A
5TH STREET SANITARY SEWER IMPROVEMENTS
GRAND ISLAND, NEBRASKA - 2012**

CHANGE ORDER NO. 2 (Final Bid Section B)
DATE: August 16, 2013

Item No.	Description	Item	Plan Quantities	Bid Price	Original Total Cost	Adjusted Quantities	Total Actual Cost	Total Net Increase/Decrease
	UNIT PRICE BID							
	BID SECTION B							
C1.01	Mobilization / Demobilization	LS	1	\$45,600.00	\$45,600.00	1	\$45,600.00	\$0.00
C1.02	15" CIPP Liner	LF	3790	\$45.30	\$171,687.00	3813.6	\$172,756.08	\$1,069.08
C1.03	15" PVC Sanitary Sewer Line (Spot Repair), S	LF	126	\$40.00	\$5,040.00	62	\$2,480.00	-\$2,560.00
C1.04	Spot Repair Excavation	EA	12	\$5,000.00	\$60,000.00	6	\$30,000.00	-\$30,000.00
C1.05	Reinstate Sewer Service (CIPP Liner)	EA	150	\$80.30	\$12,045.00	152	\$12,205.60	\$160.60
C1.06	Reinstate Sewer Service (Spot Repair)	EA	14	\$1,500.00	\$21,000.00	6	\$9,000.00	-\$12,000.00
C1.07	CIPP Service Liner	EA	40	\$3,250.00	\$130,000.00	11	\$35,750.00	-\$94,250.00
C1.08	Remove and Replace Pavement	SY	408	\$65.00	\$26,520.00	63	\$4,095.00	-\$22,425.00
C1.09	Remove and Replace Grate Inlet	EA	1	\$2,000.00	\$2,000.00	0	\$0.00	-\$2,000.00
C1.10	Bypass Pumping	LS	1	\$5,246.70	\$5,246.70	1	\$5,246.70	\$0.00
C1.11	Traffic Control	LS	1	\$20,500.00	\$20,500.00	1	\$20,500.00	\$0.00
				\$108.00	\$0.00	0	\$0.00	\$0.00
	TOTAL BID SECTION B				\$499,638.70		\$337,633.38	-\$162,005.32

Project Area



RESOLUTION 2013-282

WHEREAS, On August 28, 2012, Resolution 2012-360, City Council awarded Project 2012-S-3, 5th Street Sanitary Sewer Improvements to The Van Kirk Brothers Contracting of Sutton, Nebraska, in the amount of \$1,734,105.93; and

WHEREAS, On July 23, 2013, Resolution 2013-241, City Council approved Change Order No. 1 incorporating additional construction calendar days into the contract; and

WHEREAS, Change Order No. 2 balances the construction bid unit quantities measurements based on the actual field measurements from final installed work for bid section "B" in cost reduction amount of \$(162,005.32).

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that authorization to proceed with the scope described in Change Order No. 2 with The Van Kirk Brothers Contracting of Sutton, Nebraska is hereby approved for a revised contract amount of \$1,572,100.61; and

BE IT FURTHER RESOLVED, that the Mayor is hereby authorized and directed to execute such Change Order No. 2 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, 2013.

Jay Vavricek, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
August 27, 2013	☐ City Attorney