



City of Grand Island

Tuesday, March 24, 2015

Council Session

Item G-6

**#2015-74 - Approving Change Order No. 2 for North Interceptor
Phase II; Project No. 2013-S-4**

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

Council Agenda Memo

From: Terry Brown PE, Assistant Public Works Director

Meeting: March 24, 2015

Subject: Approving Change Order No. 2 for North Interceptor Phase II;
Project No. 2013-S-4

Item #'s: G-6

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

Background

Public Works Staff in conjunction with the design engineer, Black & Veatch of Kansas City, Missouri have jointly developed multi-year replacement planning stages for the City of Grand Island's large diameter gravity sanitary sewer interceptor network. The current planned interceptor, entitled the "North Interceptor" will replace aged force main sanitary sewer, reduce or eliminate current sewer pumping station(s), provide additional capacity for existing, and enable new services to areas in and around Grand Island.

The new North Interceptor gravity sewer interceptor route was developed to incorporate and partner with other utilities for the Capital Avenue Widening Project and the new Headworks Pumping Station Project at the Waste Water Treatment Plant.

A phased approach of constructing the North Interceptor was developed as follows:

- Phase I - Wastewater Treatment Plant to 7th Street / Skypark Road (nearing final closeout)
- Phase II (Part A) - 7th Street / Skypark Road to Broadwell Avenue
- Phase II (Part B) - Broadwell Avenue to Webb Road
- Phase II (Part C) - Webb Road to Diers Avenue (Lift Station No. 19)

Phase II Part B is nearing completion. Phase II Part A Phase II Part C will follow. The lift station abandonments (Bid Sections D, E, G, H and I) will follow the completion of Phase II.

On September 9, 2014, Resolution 2014-284, City Council awarded, Project 2013-S-4, North Interceptor Phase II to S.J. Louis Construction, Inc. of Rockville, Minnesota, in the amount of \$21,479,537.50.

City Council approved Resolution 2015-39 on February 10, 2015, which established new unit prices for installed storm and sanitary sewers which are embedded with native sand material in lieu of the imported granular embedment specified in the contract documents. The potential savings is anticipated to be around \$300,000 where native sand is thought to be suitable and may be used for up to 20,795 feet of pipe.

Discussion

Public Works Administration is requesting Change Order No. 2 for North Interceptor Phase II; Project No. 2013-S-4, which will allow for a change in the methodology of the trenchless crossing from micro tunneling to a direct jacked tunnel using a tunnel boring machine. This change in methodology will result in a decreased unit price. Two (2) locations are suggested for this change; Broadwell Avenue at Capital Avenue and Webb Road/Northwest Crossings property at Capital Avenue.

An overall net change of the contract amount will be a deduction of \$210,003.48, which results in an adjusted contract amount of \$21,269,534.02.

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 No. 2 with S.J. Louis Construction, Inc. of Rockville, Minnesota, for North Interceptor Phase II, Project 2013-S-4.

Sample Motion

Move to approve the resolution.

**CITY OF GRAND ISLAND, NEBRASKA
NORTH INTERCEPTOR – PHASE 2**

**CITY PROJECT 2013-S-4
BLACK & VEATCH PROJECT NO. 175144
OLSSON ASSOCIATES PROJECT NO. 011-2347**

CHANGE ORDER NO. 2

Change Order No. 2 establishes new unit prices for Trenchless Crossing No. 3 (Bid Section A) and Trenchless Crossing No. 4 (Bid Section C), and changes the tunneling methodology on these two tunnels from microtunneling to a direct jacked installation using a tunnel boring machine.

Item CO2-1. Establish New Unit Price for Trenchless Crossing No. 3

Initiated by: Contractor

Trenchless Crossing No. 3 crosses below Broadwell Avenue in Bid Section A. This change order will change the methodology of the trenchless crossing from microtunneling to a direct jacked tunnel using a tunnel boring machine. The change in methodology will result in a decreased unit price. The new unit price is established below:

BID SECTION A

	Item Description	Quantity	Unit	Unit Cost	Total Cost
2.0	Sanitary Sewer Pipe				
2.18	Trenchless Crossing No. 3	212	LF	\$2,700.00	\$572,400.00
2.18_CO2	Trenchless Crossing No. 3	212	LF	\$2,413.11	\$511,579.32

Item CO2-2. Establish New Unit Price for Trenchless Crossing No. 4

Initiated by: Contractor

Trenchless Crossing No. 4 crosses below Webb Road and the Northwest Crossings property in Bid Section C. This change order will change the methodology of the trenchless crossing from microtunneling to a direct jacked tunnel using a tunnel boring machine. The change in methodology will result in a decreased unit price. The new unit price is established below:

BID SECTION C

	Item Description	Quantity	Unit	Unit Cost	Total Cost
2.0	Sanitary Sewer Pipe				
2.19	Trenchless Crossing No. 4	520	LF	\$2,550.00	\$1,326,000.00
2.19_CO2	Trenchless Crossing No. 4	520	LF	\$2,263.11	\$1,176,817.20

**CITY OF GRAND ISLAND, NEBRASKA
NORTH INTERCEPTOR – PHASE 2**

**CITY PROJECT 2013-S-4
BLACK & VEATCH PROJECT NO. 175144
OLSSON ASSOCIATES PROJECT NO. 011-2347**

SUMMARY

CHANGE ORDER NO. 2

The Contract Price shall be modified as follows as a result of the changes described by this modification request. Additions to the Contract Price are indicated by a "+" in front of the amount, deductions by a "-".

<u>Effect on Contract Price</u>	<u>Increase/Decrease In Contract Price (+/-)</u>	
<u>Item</u> <u>Description</u>		
CO2-1	Establish New Unit Price for Trenchless Crossing No. 3	-\$60,820.68
CO2-2	Establish New Unit Price for Trenchless Crossing No. 4	-\$149,182.80
NET CHANGE IN CONTRACT PRICE		-\$210,003.48
BID AMOUNT OF ORIGINAL CONTRACT		\$21,479,537.50
PREVIOUS CHANGE ORDER ADJUSTMENTS		<u>+ 0.00</u>
CURRENT CONTRACT AMOUNT		\$21,479,537.50
CHANGE ORDER NO. 2		-\$210,003.48
ADJUSTED CONTRACT AMOUNT		\$21,269,534.02

Effect on Contract Time

--	Substantial Completion for Original Contract (Bid Section B)	March 1, 2015
--	Final Completion for Original Contract (Bid Section B)	March 31, 2015
--	Substantial Completion for Original Contract (Bid Sections A-C)	June 1, 2016
--	Final Completion for Original Contract (Bid Sections A-C)	June 30, 2016
--	Substantial Completion for Original Contract (Bid Sections D-I)	June 1, 2017
--	Final Completion for Original Contract (Bid Sections D-I)	June 30, 2017
CO2-1	No additional time given for Contract	
CO2-2	No additional time given for Contract	

No additional claims shall be made for changes in Contract Time arising from these work items.

This change order includes all costs, direct, indirect, and consequential, and all changes in Contract Time arising from the work included in the items for Change Order No. 2. No additional claims shall be made for changes in Contract Price or Contract Time arising from these work items.

All other provisions of the contract remain unchanged.

Agreed to this _____ day of _____, 2015

Recommended:
Black & Veatch Corporation

Approved:
City of Grand Island

By: 

By: _____

Date: 3/5/15

Date: _____

Approved:
S.J. Louis Construction, Inc.

By: Donald Meyer, VP/CFO/Secretary/Treasurer

Date: 3/9/15

Approved as to Form _____ March , 2015 City Attorney

RESOLUTION 2015-74

WHEREAS, On September 9, 2014, by Resolution 2014-284, City Council awarded, Project 2013-S-4, North Interceptor Phase II to S.J. Louis Construction, Inc. of Rockville, Minnesota, in the amount of \$21,479,537.50; and

WHEREAS, on February 10, 2015, by Resolution 2015-39, City Council approved Change Order No. 1, which established new unit prices for installed storm and sanitary sewers which are embedded with native sand material in lieu of the imported granular embedment specified in the contract documents; and

WHEREAS, Change Order No. 2 changes the methodology of the trenchless crossing from micro tunneling to a direct jacked tunnel using a tunnel boring machine, which will result in a decreased unit price; and

WHEREAS, two (2) locations are suggested for this change; Broadwell Avenue at Capital Avenue and Webb Road/Northwest Crossings property at Capital Avenue; and

WHEREAS, an overall net change of the contract amount will be a deduction of \$210,003.48, which results in an adjusted contract amount of \$21,269,534.02.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that authorization to proceed with Change Order No. 2 with S.J. Louis Construction, Inc. of Rockville, Minnesota is hereby approved; and

BE IT FURTHER RESOLVED, that the Mayor is hereby authorized and directed to execute such Change Order No. 2, North Interceptor Phase II, Project 2013-S-4 on behalf of the City of Grand Island.

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Adopted by the City Council of the City of Grand Island, Nebraska, March 24, 2015.

Jeremy L. Jensen, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
September 10, 2013	☐ City Attorney