



City of Grand Island

Tuesday, February 10, 2015

Council Session

Item G-12

**#2015-39 - Approving Change Order No. 1 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: February 10, 2015

Subject: Approving Change Order No. 1 for North Interceptor Phase II; Project No. 2013-S-4

Item #'s: G-12

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 will be the first segment built to follow the Capital Avenue Widening project timeline. Phase II Part A will follow and Phase II Part C will end the Phase II sequence. 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.

Discussion

There is the potential for reducing cost by using native sand bedding in lieu of imported granular embedment (crushed rock). The amount of savings cannot be determined until the segments of pipe where native sand may be used is known; and this can only be determined after excavation.

Change Order No. 1 establishes new unit prices for pipe installed with native sand material in lieu of the imported granular embedment specified in the contract documents (see Exhibit 1). We anticipate a \$300,000 savings where we estimate native sand may be used for up to 20,795 feet of pipe.

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. 1 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. 1

Change Order No. 1 establishes new unit prices for installed storm and sanitary sewers which are bedded with native sand material in lieu of the imported granular embedment specified in the Contract Documents. The native sand material may only be used for embedment when the material is suitable as determined by the Engineer or Owner.

Item CO1-1. Establish Unit Prices for Installing Sanitary and Storm Sewer Pipes with Native Sand Material

Initiated by: Contractor

When native material is suitable for embedment as determined by the Engineer or Owner, it may be used in lieu of the imported granular embedment specified in the Contract Documents. The installation with native material will result in new, decreased unit prices. The new unit prices are established below:

BID SECTION A

	Item Description	Quantity	Unit	Unit Cost	Total Cost
2	Sanitary Sewer Pipe				
2.4	8-inch Sanitary Sewer	37	LF	\$75.00	\$2,775.00
2.4_CO1	8-inch Sanitary Sewer with Native Bedding	0	LF	\$65.80	\$0.00
2.6	12-inch Sanitary Sewer	268	LF	\$80.00	\$21,440.00
2.6_CO1	12-inch Sanitary Sewer with Native Bedding	0	LF	\$70.80	\$0.00
2.7	15-inch Sanitary Sewer	109	LF	\$90.00	\$9,810.00
2.7_CO1	15-inch Sanitary Sewer with Native Bedding	0	LF	\$80.80	\$0.00
2.8	18-inch Sanitary Sewer	20	LF	\$100.00	\$2,000.00
2.8_CO1	18-inch Sanitary Sewer with Native Bedding	0	LF	\$85.27	\$0.00
2.9	21-inch Sanitary Sewer	20	LF	\$105.00	\$2,100.00
2.9_CO1	21-inch Sanitary Sewer with Native Bedding	0	LF	\$90.27	\$0.00
2.15	48-inch Sanitary Sewer	12,050	LF	\$269.00	\$3,241,450.00
2.15_CO1	48-inch Sanitary Sewer with Native Bedding	0	LF	\$250.25	\$0.00
2.15A	48-Inch Sanitary Sewer (FRPM)	885	LF	\$309.00	\$273,465.00
2.15A_CO1	48-Inch Sanitary Sewer (FRPM) with Native Bedding	0	LF	\$290.25	\$0.00
3	Storm Sewer Pipe and Open Drainage Channels				
3.18	60-Inch Double Wall Polypropylene Storm Sewer	1,667	LF	\$170.00	\$283,390.00
3.18_CO1	60-Inch Double Wall Polypropylene Storm Sewer with Native Bedding	0	LF	\$161.70	\$0.00
3.19	72-Inch HDPE Storm Sewer	73	LF	\$575.00	\$41,975.00
3.19_CO1	72-Inch HDPE Storm Sewer with Native Bedding	0	LF	\$566.68	\$0.00

2/2/2015

CO1-1

BID SECTION B

	Item Description	Quantity	Unit	Unit Cost	Total Cost
2	Sanitary Sewer Pipe				
2.3	6-inch Sanitary Sewer	40	LF	\$70.00	\$2,800.00
2.3_CO1	6-inch Sanitary Sewer with Native Bedding	0	LF	\$60.80	\$0.00
2.6	12-inch Sanitary Sewer	60	LF	\$75.00	\$4,500.00
2.6_CO1	12-inch Sanitary Sewer with Native Bedding	0	LF	\$65.80	\$0.00
2.7	15-inch Sanitary Sewer	20	LF	\$90.00	\$1,800.00
2.7_CO1	15-inch Sanitary Sewer with Native Bedding	0	LF	\$80.80	\$0.00
2.8	18-inch Sanitary Sewer	20	LF	\$100.00	\$2,000.00
2.8_CO1	18-inch Sanitary Sewer with Native Bedding	0	LF	\$85.27	\$0.00
2.9	21-inch Sanitary Sewer	20	LF	\$105.00	\$2,100.00
2.9_CO1	21-inch Sanitary Sewer with Native Bedding	0	LF	\$90.27	\$0.00
2.15	48-inch Sanitary Sewer	5,080	LF	\$269.00	\$1,366,520.00
2.15_CO1	48-inch Sanitary Sewer with Native Bedding	0	LF	\$250.25	\$0.00
3	Storm Sewer Pipe and Open Drainage Channels				
3.11	15-Inch Reinforced Concrete Storm Sewer	30	LF	\$80.00	\$2,400.00
3.11_CO1	15-Inch Reinforced Concrete Storm Sewer with Native Bedding	0	LF	\$71.70	\$0.00
3.17	48-Inch Reinforced Concrete Storm Sewer	30	LF	\$135.00	\$4,050.00
3.17_CO1	48-Inch Reinforced Concrete Storm Sewer with Native Bedding	0	LF	\$126.70	\$0.00

BID SECTION C

	Item Description	Quantity	Unit	Unit Cost	Total Cost
2	Sanitary Sewer Pipe				
2.3	6-inch Sanitary Sewer	180	LF	\$75.00	\$13,500.00
2.3_CO1	6-inch Sanitary Sewer with Native Bedding	0	LF	\$65.80	\$0.00
2.6	12-inch Sanitary Sewer	49	LF	\$80.00	\$3,920.00
2.6_CO1	12-inch Sanitary Sewer with Native Bedding	0	LF	\$70.80	\$0.00
2.7	15-inch Sanitary Sewer	12	LF	\$90.00	\$1,080.00
2.7_CO1	15-inch Sanitary Sewer with Native Bedding	0	LF	\$80.80	\$0.00
2.9	21-inch Sanitary Sewer	98	LF	\$105.00	\$10,290.00
2.9_CO1	21-inch Sanitary Sewer with Native Bedding	0	LF	\$90.27	\$0.00
2.13	36-inch Sanitary Sewer	20	LF	\$275.00	\$5,500.00
2.13_CO1	36-inch Sanitary Sewer with Native Bedding	0	LF	\$256.25	\$0.00
2.15	48-inch Sanitary Sewer	1,298	LF	\$269.00	\$349,162.00
2.15_CO1	48-inch Sanitary Sewer with Native Bedding	0	LF	\$250.25	\$0.00
2.15A	48-inch Sanitary Sewer (FRPM)	206	LF	\$265.00	\$54,590.00
2.15A_CO1	48-Inch Sanitary Sewer (FRPM) with Native Bedding	0	LF	\$246.25	\$0.00
3	Storm Sewer Pipe and Open Drainage Channels				
3.11	15-Inch Reinforced Concrete Storm Sewer	30	LF	\$80.00	\$2,400.00
3.11_CO1	15-Inch Reinforced Concrete Storm Sewer with Native Bedding	0	LF	\$71.70	\$0.00
3.14	24-Inch Reinforced Concrete Storm Sewer	103	LF	\$100.00	\$10,300.00
3.14_CO1	24-Inch Reinforced Concrete Storm Sewer with Native Bedding	0	LF	\$91.70	\$0.00
3.16	36-Inch Reinforced Concrete Storm Sewer	30	LF	\$120.00	\$3,600.00
3.16_CO1	36-Inch Reinforced Concrete Storm Sewer with Native Bedding	0	LF	\$111.70	\$0.00

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CO1-2

BID SECTION D

	Item Description	Quantity	Unit	Unit Cost	Total Cost
2	Sanitary Sewer Pipe				
2.7	15-inch Sanitary Sewer	895	LF	\$90.00	\$80,550.00
2.7_CO1	15-inch Sanitary Sewer with Native Bedding	0	LF	\$83.58	\$0.00
3	Storm Sewer Pipe and Open Drainage Channels				
3.13	21-Inch Reinforced Concrete Storm Sewer	25	LF	\$100.00	\$2,500.00
3.13_CO1	21-Inch Reinforced Concrete Storm Sewer with Native Bedding	0	LF	\$94.48	\$0.00
3.17	48-Inch Reinforced Concrete Storm Sewer	25	LF	\$150.00	\$3,750.00
3.17_CO1	48-Inch Reinforced Concrete Storm Sewer with Native Bedding	0	LF	\$141.90	\$0.00

BID SECTION E

	Item Description	Quantity	Unit	Unit Cost	Total Cost
2	Sanitary Sewer Pipe				
2.1	4-inch Sanitary Service Line	93	LF	\$70.00	\$6,510.00
2.1_CO1	4-inch Sanitary Service Line with Native Bedding	0	LF	\$67.03	\$0.00
2.4	8-inch Sanitary Sewer	39	LF	\$75.00	\$2,925.00
2.4_CO1	8-inch Sanitary Sewer with Native Bedding	0	LF	\$69.81	\$0.00
2.5	10-inch Sanitary Sewer	36	LF	\$80.00	\$2,880.00
2.5_CO1	10-inch Sanitary Sewer with Native Bedding	0	LF	\$74.12	\$0.00
2.6	12-inch Sanitary Sewer	538	LF	\$80.00	\$43,040.00
2.6_CO1	12-inch Sanitary Sewer with Native Bedding	0	LF	\$70.80	\$0.00
3	Storm Sewer Pipe and Open Drainage Channels				
3.12	18-Inch Reinforced Concrete Storm Sewer	25	LF	\$80.00	\$2,000.00
3.12_CO1	18-Inch Reinforced Concrete Storm Sewer with Native Bedding	0	LF	\$71.90	\$0.00
3.16	36-Inch Reinforced Concrete Storm Sewer	25	LF	\$100.00	\$2,500.00
3.16_CO1	36-Inch Reinforced Concrete Storm Sewer with Native Bedding	0	LF	\$91.69	\$0.00

BID SECTION G

	Item Description	Quantity	Unit	Unit Cost	Total Cost
2	Sanitary Sewer Pipe				
2.1	4-inch Sanitary Service Line	90	LF	\$70.00	\$6,300.00
2.1_CO1	4-inch Sanitary Service Line with Native Bedding	0	LF	\$67.03	\$0.00
2.4	8-inch Sanitary Sewer	58	LF	\$75.00	\$4,350.00
2.4_CO1	8-inch Sanitary Sewer with Native Bedding	0	LF	\$69.81	\$0.00
2.6	12-inch Sanitary Sewer	10	LF	\$80.00	\$800.00
2.6_CO1	12-inch Sanitary Sewer with Native Bedding	0	LF	\$70.80	\$0.00
2.7	15-inch Sanitary Sewer	929	LF	\$90.00	\$83,610.00
2.7_CO1	15-inch Sanitary Sewer with Native Bedding	0	LF	\$80.80	\$0.00
3	Storm Sewer Pipe and Open Drainage Channels				
3.10	12-Inch Reinforced Concrete Storm Sewer	193	LF	\$75.00	\$14,475.00
3.10_CO1	12-Inch Reinforced Concrete Storm Sewer with Native Bedding	0	LF	\$71.80	\$0.00
3.11	15-Inch Reinforced Concrete Storm Sewer	36	LF	\$80.00	\$2,880.00
3.11_CO1	15-Inch Reinforced Concrete Storm Sewer with Native Bedding	0	LF	\$74.89	\$0.00
3.12	18-Inch Reinforced Concrete Storm Sewer	15	LF	\$90.00	\$1,350.00
3.12_CO1	18-Inch Reinforced Concrete Storm Sewer with Native Bedding	0	LF	\$85.71	\$0.00

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CO1-3

BID SECTION H

	Item Description	Quantity	Unit	Unit Cost	Total Cost
2	Sanitary Sewer Pipe				
2.1	4-inch Sanitary Service Line	118	LF	\$70.00	\$8,260.00
2.1_CO1	4-inch Sanitary Service Line with Native Bedding	0	LF	\$67.03	\$0.00
2.4	8-inch Sanitary Sewer	20	LF	\$75.00	\$1,500.00
2.4_CO1	8-inch Sanitary Sewer with Native Bedding	0	LF	\$69.81	\$0.00
2.6	12-inch Sanitary Sewer	980	LF	\$80.00	\$78,400.00
2.6_CO1	12-inch Sanitary Sewer with Native Bedding	0	LF	\$70.80	\$0.00
2.8	18-inch Sanitary Sewer	2,180	LF	\$100.00	\$218,000.00
2.8_CO1	18-inch Sanitary Sewer with Native Bedding	0	LF	\$85.27	\$0.00
3	Storm Sewer Pipe and Open Drainage Channels				
3.10	12-Inch Reinforced Concrete Storm Sewer	238	LF	\$70.00	\$16,660.00
3.10_CO1	12-Inch Reinforced Concrete Storm Sewer with Native Bedding	0	LF	\$66.80	\$0.00
3.11	15-Inch Reinforced Concrete Storm Sewer	215	LF	\$80.00	\$17,200.00
3.11_CO1	15-Inch Reinforced Concrete Storm Sewer with Native Bedding	0	LF	\$74.89	\$0.00
3.12	18-Inch Reinforced Concrete Storm Sewer	21	LF	\$400.00	\$8,400.00
3.12_CO1	18-Inch Reinforced Concrete Storm Sewer with Native Bedding	0	LF	\$395.71	\$0.00

BID SECTION I

	Item Description	Quantity	Unit	Unit Cost	Total Cost
2	Sanitary Sewer Pipe				
2.6	12-inch Sanitary Sewer	5	LF	\$80.00	\$400.00
2.6_CO1	12-inch Sanitary Sewer with Native Bedding	0	LF	\$70.80	\$0.00
2.9	21-inch Sanitary Sewer	3,775	LF	\$105.00	\$396,375.00
2.9_CO1	21-inch Sanitary Sewer with Native Bedding	0	LF	\$93.91	\$0.00
3	Storm Sewer Pipe and Open Drainage Channels				
3.10	12-Inch Reinforced Concrete Storm Sewer	50	LF	\$70.00	\$3,500.00
3.10_CO1	12-Inch Reinforced Concrete Storm Sewer with Native Bedding	0	LF	\$66.80	\$0.00
3.11	15-Inch Reinforced Concrete Storm Sewer	100	LF	\$80.00	\$8,000.00
3.11_CO1	15-Inch Reinforced Concrete Storm Sewer with Native Bedding	0	LF	\$74.89	\$0.00
3.14	24-Inch Reinforced Concrete Storm Sewer	157	LF	\$100.00	\$15,700.00
3.14_CO1	24-Inch Reinforced Concrete Storm Sewer with Native Bedding	0	LF	\$95.71	\$0.00

Pipe that is installed with imported granular bedding as specified will still be paid for by the unit prices contained in the original contract.

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
CO1-1	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. 1. 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

By: 

Date: 2/3/2015

Approved:
City of Grand Island

By: _____

Date: _____

Approved:
S.J. Louis Construction, Inc.

By: 

Date: 2/3/2015

Approved as to Form _____

February , 2015 City Attorney

RESOLUTION 2015-39

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, Change Order No. 1 establishes new unit prices for installed storm and sanitary sewers which are bedded with native sand material in lieu of the imported granular embedment specified in the contract documents; and

WHEREAS, the native sand material may only be used for embedment when the material is suitable as determined by the Engineer or Owner.

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. 1 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. 1, North Interceptor Phase II, Project 2013-S-4 on behalf of the City of Grand Island.

Adopted by the City Council of the City of Grand Island, Nebraska, February 10, 2015.

Jeremy L. Jensen, Mayor

Attest:

RaNae Edwards, City Clerk

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