



City of Grand Island

Tuesday, March 8, 2016

Council Session

Item G-15

**#2016-52 - Approving Change Order No. 6 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 8, 2016

Subject: Approving Change Order No. 6 for North Interceptor Phase II;
Project No. 2013-S-4

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

Background

Public Works Staff in conjunction with Black & Veatch of Kansas City, Missouri have jointly called out improvements through 2037 for the Wastewater Treatment Plant and collection system according to the Collection System Master Plan (B&V January 2014). The current North Interceptor project will replace aged force main, eliminate six (6) lift stations with the potential for more, provide new sanitary services, and increase the capacity of the sewer system on the north side of 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 Wastewater Treatment Plant.

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

- Phase I - Wastewater Treatment Plant to 7th Street / Skypark Road
- 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 I reached substantial completion on April 8, 2014. Once final lien waivers are received, the project can be formally closed.

The North Interceptor Phase II Project is 70% complete. Part B reached substantial completion on April 15, 2015. Phase II (Part A) is nearly complete and the majority of Phase II (Part C) has been completed. The lift station abandonments (Bid Sections D, E, G, H and I) are underway. Final completion is ahead of schedule and anticipated to occur spring of 2017.

On September 9, 2014, Resolution No. 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 No. 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.

On March 24, 2015, by Resolution No. 2015-74, City Council approved Change Order No. 2 which changed the methodology of the trenchless crossing from micro tunneling to a direct jacked tunnel using a tunnel boring machine, resulting in a decreased unit price. Two (2) locations were suggested for this change; Broadwell Avenue at Capital Avenue and Webb Road/Northwest Crossings property at Capital Avenue. An overall contract deduction of \$210,003.48 was achieved, resulting in a revised contract amount of \$21,269,534.02.

On June 23, 2015, by Resolution No. 2015-160, City Council approved Change Order No. 3, which addressed: Unknown and unplanned restraint at the existing 18" waterline that crosses Capital Avenue just east of Webb Road; Additional storm sewer work east of St. Paul Road as needed to fill in a portion of the utility ditch and provide access to the new manhole; and As-Built quantities for Phase II (Part B). An overall net change of the contract amount resulted in an increase of \$56,540.88 for a revised contract amount of \$21,326,074.90.

On August 11, 2015, by Resolution No. 2015-214, City Council approved Change Order No. 4, which allowed for an open cut at the intersection of Capital Avenue and Broadwell Avenue for installation of the north interceptor, rerouting of the dewatering discharge, and several modifications to the existing storm sewer at this intersection. An overall contract decrease of \$40,651.39 was reached, resulting in a revised contract amount of \$21,285,423.51.

On January 12, 2016, by Resolution No. 2016-7, City Council approved Change Order No. 5, which covered costs associated with a dewatering reroute near Webb Road, additional work associated with an 8" sanitary sewer line extension as part of a new tap district (District No. 537T), additional storm sewer work in St. Paul Road, changing a new sanitary sewer manhole in St. Paul Road from a standard manhole to a drop manhole, additional storm sewer removal and replacement work near the Burlington Northern Santa Fe Railroad, additional storm sewer work in the Capital Avenue and Broadwell Avenue intersection, a damaged sanitary sewer service along St. Paul Road, additional work required to provide power to the relocated Veteran's Hospital sign, and the relocation of an existing water service. Such change order resulted in a contract increase of \$171,544.13, for a revised total contract amount of \$21,456,967.64.

Discussion

To date the construction prep along Sheridan Avenue for Bid Section I has involved dewatering well placement in approximately twelve (12) sidewalk panels along Sheridan Avenue. During street removal and installation of the sewer pipe, there is a possibility that more sidewalk panels, curbs, and gutter lines will incur damage. SJ Louis is responsible for replacement of all sidewalk panels, curbs, and gutters that are damaged during construction.

The Public Works Department is requesting the contractor replace additional sidewalk panels, curbs, and gutter lines.

Public Works Administration is requesting Change Order No. 6 for North Interceptor Phase II; Project No. 2013-S-4. Change Order No. 6 establishes new unit prices associated with additional paving along Sheridan Avenue within Bid Section I.

At this time a zero cost change order is requested to establish new line items for Bid Section I. Maximum additional costs are anticipated at \$150,000 due to this work, which could be mitigated by approximately \$200,000 worth of credits due to actual quantities installed in Bid Section A, which will be rectified in the near future.

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. 6 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. 6

Change Order No. 6 establishes new unit costs associated with additional paving along Sheridan Avenue in Bid Section I.

Item CO6-1. Establish New Unit Prices for Additional Paving Along Sheridan Avenue (Bid Section I)

Initiated by: Owner

Select portions of the curb and gutter and sidewalk along Sheridan Avenue will be removed and replaced as determined by the Owner and Engineer. The new unit prices for this work are established below.

	Item Description	Quantity	Unit	Unit Cost	Total Cost
CO6-1A	Remove Curb Inlet	0	EA	\$2,300.00	\$0.00
CO6-1B	Remove 4" Concrete Sidewalk	0	SY	\$3.50	\$0.00
CO6-1C	Remove 5" Concrete Drive	0	SY	\$3.50	\$0.00
CO6-1D	Remove Curb and Gutter	0	LF	\$3.00	\$0.00
CO6-1E	Intall Type "D" Inlet	0	EA	\$3,500.00	\$0.00
CO6-1F	Place 4" Concrete Sidewalk	0	SY	\$37.00	\$0.00
CO6-1G	Place 5" Concrete Drive	0	SY	\$37.00	\$0.00
CO6-1H	Place Curb and Gutter	0	LF	\$29.00	\$0.00
CO6-1I	Detectable Warning Plate	0	SF	\$225.00	\$0.00

2/24/2016

CO6-1

**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. 6

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>	<u>(+/-)</u>
CO6-1	Establish New unit Prices for Additional Paving Along Sheridan Avenue (Bid Section I)	+\$00.00
NET CHANGE IN CONTRACT PRICE		+\$00.00
BID AMOUNT OF ORIGINAL CONTRACT		\$21,479,537.50
PREVIOUS CHANGE ORDER ADJUSTMENTS		<u>-\$22,569.86</u>
CURRENT CONTRACT AMOUNT		\$21,456,967.64
CHANGE ORDER NO. 6		+\$00.00
ADJUSTED CONTRACT AMOUNT		\$21,456,967.64

Effect on Contract Time

--	Substantial Completion (Bid Section B)	April 15, 2015
--	Final Completion (Bid Section B)	April 15, 2015
--	Substantial Completion (Bid Sections A-C)	June 24, 2016
--	Final Completion (Bid Sections A-C)	July 23, 2016
--	Substantial Completion (Bid Sections D-I)	October 1, 2017
--	Final Completion (Bid Sections D-I)	October 31, 2017
CO6-1	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. 6. 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 8th day of MARCH, 2016

Recommended:
Black & Veatch Corporation

By: 

Date: 2/24/2016

Approved:
City of Grand Island


By: _____

Date: 3/8/2016

Approved:
S.J. Louis Construction, Inc.

By: 

Date: 2-26-16

Approved as to Form <u></u> City Attorney

RESOLUTION 2016-52

WHEREAS, On September 9, 2014, by Resolution No. 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 No. 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, on March 24, 2015, by Resolution No. 2015-74, City Council approved Change Order No. 2, which changed the methodology of the trenchless crossing from micro tunneling to a direct jacked tunnel using a tunnel boring machine at both Broadwell Avenue/Capital Avenue and Webb Road/Northwest Crossings property at Capital Avenue and resulted in a deduction of \$210,003.48, for a revised contract amount of \$21,269,534.02; and

WHEREAS on June 23, 2015, by Resolution No. 2015-160, City Council approved Change Order No. 3, which addressed unknown and unplanned restraint at the existing 18" waterline that crosses Capital Avenue just east of Webb Road; additional storm sewer east of St. Paul Road as needed to fill in a portion of the utility ditch and provide access to the new manhole; and finalization of the As-Built quantities for Phase II (Part B) and resulted in an increase of \$56,540.88, for a revised contract amount of \$21,326,074.90; and

WHEREAS, on August 11, 2015, by Resolution No. 2015-214, City Council approved Change Order No. 4, which allowed for an open cut at the intersection of Capital Avenue and Broadwell Avenue for installation of the north interceptor, rerouting of the dewatering discharge, and several modifications to the existing storm sewer at this intersection and resulted in an overall contract decrease of \$40,651.39, for a revised contract amount of \$21,285,423.51; and

WHEREAS, on January 12, 2016, by Resolution No. 2016-7, City Council approved Change Order No. 5, which covered costs associated with a dewatering reroute near Webb Road, additional work associated with an 8" sanitary sewer line extension as part of a new tap district (District No. 537T), additional storm sewer work in St. Paul Road, changing a new sanitary sewer manhole in St. Paul Road from a standard manhole to a drop manhole, additional storm sewer removal and replacement work near the Burlington Northern Santa Fe Railroad, additional storm sewer work in the Capital Avenue and Broadwell Avenue intersection, a damaged sanitary sewer service along St. Paul Road, additional work required to provide power to the relocated Veteran's Hospital sign, and the relocation of an existing water service and resulted in a contract increase of \$171,544.13, for a revised contract amount of \$21,456,967.64; and

WHEREAS, Change Order No. 6 at this time is a net zero cost change order to establish new unit prices associated with additional paving along Sheridan Avenue within Bid Section I; and

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

WHEREAS, once actual quantities installed are rectified such change order cost will be reached.

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. 6 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. 6, 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, March 8, 2016.

Jeremy L. Jensen, Mayor

Attest:

RaNae Edwards, City Clerk

- 2 -