



# City of Grand Island

Tuesday, June 23, 2020

Council Session

## Item G-8

**#2020-144 - Approving Certificate of Final Completion for  
Downtown Sanitary Sewer Rehabilitation- 2019; Project No. 2019-  
S-1**

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

# Council Agenda Memo

**From:** Keith Kurz PE, Assistant Public Works Director

**Meeting:** June 23, 2020

**Subject:** Approving Certificate of Final Completion for Downtown Sanitary Sewer Rehabilitation- 2019; Project No. 2019-S-1

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

## Background

Municipal Pipe Tool Co., LLC of Hudson, Iowa was awarded a \$634,409.00 contract on April 23, 2019, via Resolution No. 2019-143, for Downtown Sanitary Sewer Rehabilitation- 2019; Project No. 2019-S-1.

On November 12, 2019, via Resolution No. 2019-342, City Council approved Change Order No. 1 in the amount of \$19,290.00 to allow an increase to the pre-liner footage and additional pay items for 12” pre-liner and mortar plugging for pipe transition to minimize risk of failure on this project. Change Order No. 1 resulted in a revised contract amount of \$653,699.00.

On January 14, 2020, via Resolution No. 2020-14, City Council approved Change Order No. 2 to address reinstatement of an unknown service at the time of design, add a transition liner to a line that was found to be in bad repair which is adjacent to pipes included in the original project, add bypass pumping and traffic control, as well as rectify quantities on a few pay items. Change Order No. 2, in the amount of \$47,341.00, resulting in a revised contract amount of \$701,040.00.

On April 14, 2020, via Resolution No. 2020-96, City Council approved Change Order No. 3 for a contract decrease of \$52,557.00, which allowed for quantities to be rectified. Such change order resulted in a revised contract amount of \$648,483.00.

Public Works took a proactive approach in rehabilitating sanitary sewer in the downtown area to avoid failures. Cured in Place Pipe (CIPP) lining with manhole rehabilitation was the focus of the project to reinforce structural integrity of the collection system. Pipe segments were within constricted alleyways of the project boundary, Clark Street to the west, South Front Street to the north, Plum Street to the east, and First Street to the south. Additional failing pieces in the area were assessed to determine the best rehabilitation method. Segments were mostly 8-inch pipe, with total length of approximately 13,000 linear feet.

There are approximately 230 miles of gravity sewer within the City of Grand Island's collection system. The majority of this infrastructure is between 26 and 75 years old, and between 8 and 18 inches in diameter. The majority of the sanitary sewer rehabilitations are for old clay tile pipe and or damaged / dilapidated manholes.

### **Discussion**

The project was completed in accordance with the terms, conditions, and stipulations of the contract, plans and specifications. Construction was completed for a total cost of \$648,482.50. Additional project costs are shown below.

***ADDITIONAL COSTS***

City of Grand Island- PW Engineering	Engineering Services	\$ 3,005.27
Olsson, Inc.	Engineering Services	\$ 142,913.00
		\$ 145,918.27

Total project cost is \$794,400.77.

### **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 the Certificate of Final Completion for Downtown Sanitary Sewer Rehabilitation- 2019; Project No. 2019-S-1.

### **Sample Motion**

Move to approve the Certificate of Final Completion.

**ENGINEER'S CERTIFICATE OF FINAL COMPLETION**

Downtown Sanitary Sewer Rehabilitation- 2019; Project No. 2019-S-1  
 CITY OF GRAND ISLAND, NEBRASKA  
 June 23, 2020

TO THE MEMBERS OF THE COUNCIL  
 CITY OF GRAND ISLAND  
 GRAND ISLAND, NEBRASKA

This is to certify that Downtown Sanitary Sewer Rehabilitation- 2019; Project No. 2019-S-1 has been fully completed by Municipal Pipe Tool Co., Inc. of Hudson, Iowa under the contract awarded April 23, 2019. The work has been completed in accordance with the terms, conditions, and stipulations of said contract and complies with the contract, the plans and specifications. The work is hereby accepted for the City of Grand Island, Nebraska, by me as Public Works Director in accordance with the provisions of Section 16-650 R.R.S., 1943.

Item No.	Description	Total Quantity	Unit	Unit Price	Total Cost
<b>Base Bid-</b>					
1	MOBILIZATION / DEMOBILIZATION	1.00	LS	\$ 14,000.00	\$ 14,000.00
2	18- INCH CIPP LINING	0.00	LF	\$ 115.00	\$ -
3	15-INCH CIPP LINING	348.00	LF	\$ 52.00	\$ 18,096.00
4	12-INCH CIPPP LINING	2,812.00	LF	\$ 27.50	\$ 77,330.00
5	8-INCH CIPP LINING	10,296.00	LF	\$ 25.00	\$ 257,400.00
6	15-INCH PRE-LINER	0.00	LF	\$ 5.00	\$ -
7	8-INCH PRE-LINER	3,567.00	LF	\$ 5.00	\$ 17,835.00
8	TRIM PROTRUSION	47.00	EA	\$ 250.00	\$ 11,750.00
9	SERVICE REINSTATEMENT	384.00	EA	\$ 90.00	\$ 34,560.00
10	MANHOLE END SEAL	75.00	EA	\$ 125.00	\$ 9,375.00
11	PRE-LINING CCTV INSPECTION / PIPE CLEANING	13,456.00	LF	\$ 2.50	\$ 33,640.00
12	BYPASS PUMPING	1.00	LS	\$ 15,000.00	\$ 15,000.00
13	POST-LINING CCTV INSPECTION	13,456.00	LF	\$ 0.50	\$ 6,728.00
14	MANHOLE 365 EXCAVATION	0.00	LS	\$ 15,000.00	\$ -
15	MANHOLE 368 REHABILITATION	1.00	LS	\$ 2,182.00	\$ 2,182.00
16	TRAFFIC CONTROL	1.00	LS	\$ 5,000.00	\$ 5,000.00
<b>Total Base Bid=</b>					<b>\$ 502,896.00</b>

<b>Alternate Bid Section "A"-</b>					
1	MOBILIZATION / DEMOBILIZATION	1.00	LS	\$ 2,500.00	\$ 2,500.00
2	30-INCH CIPP LINING	31.00	LF	\$ 975.00	\$ 30,225.00
3	30-INCH CIPP PRE-LINER	31.00	LF	\$ 25.00	\$ 775.00
4	MANHOLE END SEAL	2.00	EA	\$ 426.00	\$ 852.00
5	PRE-LINING CCTV INSPECTION / PIPE CLEANING	31.00	LF	\$ 40.00	\$ 1,240.00
6	BYPASS PUMPING	1.00	LS	\$ 10,000.00	\$ 10,000.00
7	POST-LINING CCTV INSPECTION	31.00	LF	\$ 1.00	\$ 31.00
8	MANHOLE REHABILITATION- CEMENTITIOUS LINING	27.50	VF	\$ 336.00	\$ 9,240.00
9	MANHOLE REHABILITATION- EPOXY LINING	27.50	VF	\$ 373.00	\$ 10,257.50
10	REMOVE AND REPLACE MANHOLE FLAT LID	0.00	EA	\$ 3,500.00	\$ -

11	REMOVE AND REPLACE 6" CONCRETE	0.00	SY	\$ 105.00	\$ -
12	TRAFFIC CONTROL	1.00	LS	\$ 2,500.00	\$ 2,500.00
<b>Total Alternate Bid Section "A"=</b>					<b>\$ 67,620.50</b>

<b>Change Order No. 1-</b>					
CO1-1	12-INCH PRE-LINER	575.00	LF	\$ 5.00	\$ 2,875.00
CO1-2	MORTAR PLUGGING FOR PIPE TRANSITION	1.00	EA	\$ 500.00	\$ 500.00
<b>Total Change Order No. 1=</b>					<b>\$ 3,375.00</b>

<b>Change Order No. 2-</b>					
CO2-1	REINSTATEMENT OF MISSED SERVICE	1.00	LS	\$ 712.50	\$ 712.50
CO2-2	MANHOLE 368 REHABILITATION CREDIT (ITEM #15)	-1.00	LS	\$ 1,382.00	\$ (1,382.00)
CO2-3	30" TO 21" CIPP TRANSITION LINER	1.00	LS	\$ 2,500.00	\$ 2,500.00
CO2-4	CIPP LINE 24" SEWER LINE BETWEEN MH #198 & MH #195	1.00	LS	\$ 55,760.50	\$ 55,760.50
CO2-5	ADDITIONAL BYPASS PUMPING AND TRAFFIC CONTROL	1.00	LS	\$ 17,000.00	\$ 17,000.00
<b>Total Change Order No. 2=</b>					<b>\$ 74,591.00</b>

<b>Grand Total Lift Station No. 11=</b>					<b>\$ 648,482.50</b>
---	--	--	--	--	----------------------

**Additional Costs:**

City of Grand Island- PW Engineering	Engineering Services	\$ 3,005.27
Olsson, Inc.	Engineering Services	\$ 142,913.00
		<b>\$ 145,918.27</b>

<b>Total Project Cost=</b>		<b>\$794,400.77</b>
----------------------------	--	---------------------

I hereby recommend that the Engineer's Certificate of Final Completion for Downtown Sanitary Sewer Rehabilitation- 2019; Project No. 2019-S-1 be approved.

\_\_\_\_\_  
John Collins – City Engineer/Public Works Director

\_\_\_\_\_  
Roger G. Steele – Mayor

RESOLUTION 2020-144

WHEREAS, the City Engineering/Public Works Director for the City of Grand Island issued a Certificate of Final Completion for Downtown Sanitary Sewer Rehabilitation- 2019; Project No. 2019-S-1 certifying that Municipal Pipe Tool Co., Inc. of Hudson, Iowa, under contract, has completed such project for the total construction amount of \$648,482.50; and

WHEREAS, the City Engineer/Public Works Director recommends the acceptance of the project; and

WHEREAS, additional project costs equate to \$145,918.27, as shown

**ADDITIONAL COSTS**

City of Grand Island- PW Engineering	Engineering Services	\$ 3,005.27
Olsson, Inc.	Engineering Services	\$ 142,913.00
		\$ 145,918.27

WHEREAS, the Mayor concurs with the recommendation of the City Engineer/Public Works Director, and

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the Certificate of Final Completion for Downtown Sanitary Sewer Rehabilitation- 2019; Project No. 2019-S-1, in the amount of \$794,400.77 is hereby confirmed.

- - -

Adopted by the City Council of the City of Grand Island, Nebraska, June 23, 2020.

\_\_\_\_\_  
Roger G. Steele, Mayor

Attest:

\_\_\_\_\_  
RaNae Edwards, City Clerk

Approved as to Form    □ \_\_\_\_\_  
June 18, 2020            □ City Attorney