



# City of Grand Island

Tuesday, August 27, 2013

Council Session

## Item G-14

**#2013-281 - Approving Certificate of Final Completion for Lift Station No. 7 Improvements; Project 2011-S-1A**

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

# **Council Agenda Memo**

**From:** Marvin Strong PE, Wastewater Plant Engineer

**Meeting:** August 27, 2013

**Subject:** Approving Certificate of Final Completion for Lift Station No. 7 Improvements; Project 2011-S-1A

**Item #'s:** G-14

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

## **Background**

Lift Station 7, installed in the early 1960s currently provides sanitary sewer pumping for an area in southern Grand Island generally between Anna Street and Stolley Park Road/Harrison and Blaine Streets. This service area includes 1,127 structures in single family homes, multi-family residences, and businesses.

The primary purpose of the Lift Station No. 7 Improvements Project included a building replacement, and upgrades to the sanitary sewer lift station forced pumping systems. This included full replacement of all functional components to upgrade system integrity and capacity.

A 2008 Community Development Block Grant (CDBG) in the amount of \$1,003,365 has been awarded to assist in funding administration services and various project phases.

The project "Lift Station No. 7 Improvements" Project No. 2011-S-1A was awarded to Diamond Engineering Co., of Grand Island, Nebraska on September 12, 2012.

## **Discussion**

The project provided new building construction housing gravity sewer pumping equipment. The pumping equipment was upgraded to "Dry Pit Submersible Pumping System". This provides functionality that the station can take flooding condition while maintaining operational status. Variable drive technology is being utilized for continuous pumping; this allows mechanical and motor efficiency in the fluctuating pump station flows. Additionally, a flow monitoring device was installed. The building was designed to current city building codes and Nebraska Department of Environmental Quality (NDEQ) standards.

A unique attribute to the new pumping station is the flexibility to deliver flow to three (3) separate gravity collectors. The pumping system will utilize one (1) gravity collector normally, or if flow demand dictates any combination of the three (3) outlets can be optimized.

City Staff has reviewed the completed work and has issued a certificate of final completion in accordance with the terms, conditions, and stipulations of the contract, the plans, and the specifications.

The project was completed at a total cost of \$485,637.62. The allocation of the total project cost is divided into eighty three percent (83%) or \$403,079.22 Community Development Grant Funded, and Wastewater funds represent the remaining seventeen percent (17%) or \$82,558.40.

### **Alternatives**

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to approve a resolution authorizing the Certificate of Final Completion.
2. Refer the issue to a Committee.
3. Postpone the issue to future date.
4. Take no action on the issue.

### **Recommendation**

Public Works Administration recommends that the Council approve the Certificate of Final Completion for the Lift Station No. 7 Improvements, Project No.2011-S-1A.

### **Sample Motion**

Move to approve the Certificate of Final Completion for the Lift Station No. 7 Improvements, Project No.2011-S-1A.

## ENGINEER'S CERTIFICATE OF FINAL COMPLETION

Lift Station No.7 Improvements  
PROJECT NO. 2011-S-1A  
August 27, 2013

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

This is to certify that the Lift Station No. 7 Improvements, Project No. 2011-S-1A has been completed by Diamond Engineering Co., of Grand Island, Nebraska under contract dated September 12, 2012. The work has been completed in accordance with the terms, conditions, and stipulations of said contract and complies with the contract, the plans, and the specifications. The work is hereby accepted with the provisions of Section 16-650 R.R.S., 1943.

It is further certified that the improvements as constructed include the following items and costs and that this certificate shall constitute the Final Payment for this work.

### **LIFT STATION NO. 7 IMPROVEMENTS, PROJECT 2011-S-1A**

Lift Station No.7 Improvements:	\$ 485,263.34
Change Order No. 1, Asbestos Abatement	\$ 1,897.50
Change Order Nos. 2, Mechanical Valve	\$ 466.00
Change Order No. 3, Structural, Civil Components	\$ 2,870.89
Change Order No. 4, Mechanical Fittings	\$ 470.00
Change Order No. 5, Time Extension	\$ 0.00
Total	\$ 485,263.34

### **SUMMARY OF OTHER COST**

Advertisement in GI Daily Independent	\$ 274.28
Building Inspection Department	\$ 100.00
Total of Other Cost	\$ 374.28

<b>TOTAL COST OF: LIFT STATION NO. 7 IMPROVEMENTS PROJECT 2011-S-1A</b>	<b>\$ 485,637.62</b>
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<b>Community Development Grant Funded (83%)</b>	<b>\$ 403,079.22</b>
<b>Wastewater Enterprise Funded (17%)</b>	<b>\$ 82,558.40</b>

Respectfully submitted,

John Collins  
Director of Public Works

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August 27, 2013

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

I hereby recommend that the Engineer's Certificate of Final Completion for Lift Station No.7 Improvements, Project No. 2011-S-1A be approved.

Respectfully submitted,

Jay Vavricek  
Mayor



August 23, 2013

Terry Brown, Manager of Engineering Services  
100 E. First Street  
Grand Island, Nebraska 68801  
P.O. Box 1968, Grand Island  
Nebraska 68802-1968

Re: Lift Station No. 7 Improvements  
Grand Island, Nebraska - 2012  
City Project No. 2011-S-1A  
CDBG # 08DPI005  
OA Project No. 011-2347

Dear Terry,

I, Joseph C. Baxter, state that the above referenced project, completed by The Diamond Engineering Co., Grand Island, Nebraska, has met the requirements for final completion as of August 23, 2013 according to the requirements of the plans and specifications and in general compliance with the terms of the contract.

I recommend that the Lift Station No. 7 Improvements - 2012 project be accepted by the City of Grand Island as meeting the requirements of final completion.

If you have any questions or comments, please do not hesitate to call.

Sincerely,

A handwritten signature in blue ink that reads 'Joe Baxter'.

Joseph C. Baxter, P.E.

# PROJECT AREA



RESOLUTION 2013-281

WHEREAS, the City Engineer/Public Works Director issued a Certificate of Final Completion for the Lift Station No. 7 Improvements, Project No. 2011-S-1A certifying that Diamond Engineering Co., of Grand Island, Nebraska, completed such project according to the terms, conditions, and stipulations of the contract, plans and specifications for such improvements; and

WHEREAS, the City Engineer/Public Works Director recommends the acceptance of the Engineer's certificate of final completion; and

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 the Lift Station No. 7 Improvements, Project No. 2011-S-1A is hereby confirmed.

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Adopted by the City Council of the City of Grand Island, Nebraska, August 27, 2013.

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Jay Vavricek, Mayor

Attest:

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RaNae Edwards, City Clerk

Approved as to Form	☐ _____
July 9, 2013	☐ City Attorney