



City of Grand Island

Tuesday, January 12, 2016

Council Session

Item G-8

#2016-6 - Approving Certificate of Final Completion for Construction of the Headworks Improvements; Project No. WWTP-2013-1 Improvements – Wastewater Division

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

Council Agenda Memo

From: Marvin Strong PE, Wastewater Plant Engineer

Meeting: January 12, 2016

Subject: Certificate of Final Completion for Construction of the Headworks Improvements; Project No. WWTP-2013-1 Improvements – Wastewater Division

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

Background

This project involved upgrades to several elements having experienced significant wear serving as the main entry of wastewater into the treatment plant, and to provide greater capacity and allow for growth and development in the City.

Public Works Staff in conjunction with the design engineer, Black & Veatch of Kansas City, Missouri jointly developed bidding documents in March of 2013, entitled; Headworks Improvement, Project WWTP-2013-1. Improvements include construction of influent pumping, measuring, screening, and flow distribution equipment of influent sewage at the Wastewater Treatment Plant.

Garney Companies, Inc. of Gardner, Kansas was awarded a \$16,993,000.00 contract by the City Council on May 14, 2013 for construction of Headworks Improvements; Project No. WWTP-2013-1 at the Wastewater Treatment Plant. The City rejected a bid alternative of \$75,000.00 for Plant Interceptor Piping (Fiberglass Reinforced Polymer Mortar), which adjusted the contract amount to \$16,918,000.00.

A total of three (3) Change Orders were implemented to complete the work in a credit amount of \$97,826.00, which adjusted the final contract amount to \$16,820,174.00.

The new facilities came on-line sequentially between the months of February and May, 2015. Substantial completion was granted in July, 2015 by the recommendation of consulting engineer, Black & Veatch, with final completion awarded in October, 2015.

On August 12, 2015 a ribbon cutting ceremony was conducted at the Wastewater Facility.

Funding for this project was provided in multiple issues in bonds approved by the council in May 2013.

Discussion

The project delivered a combination of coordinated alignments with sewage interceptor routing, interceptor rehabilitation and replacement that provided increased reliability and capacity in sanitary sewage serving the newly constructed facilities at the Wastewater Treatment Plant.

The Raw Wastewater Pump Station & Screening Building was constructed for the pumping equipment to lift incoming sewage flow to a higher elevation, allowing gravity conveyance thru the wastewater treatment plant. New screening was installed to collect and remove debris and material from the flow stream.

The Grit Removal System was upgraded with newer equipment and process technology. The new system collects and removes a higher amount of reducing overall wear and increasing the operating life of equipment.

The Raw Wastewater Pump Station & Screening and Grit Removal Systems will hydraulically accommodate Grand Island's growth through the year 2062.

All functions of the new facilities have been designed with odor reduction elements.

The project was completed in 814 calendar days, and under budget.

City Staff in conjunction with the designing engineer, Black & Veatch of Kansas City, Missouri have 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 \$19,892,895.10

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 Council approve the Certificate of Final Completion of Headworks Improvements; Project No. WWTP-2013-1- Wastewater Division.

Sample Motion

Move to approve the Certificate of Final Completion of Headworks Improvements; Project No. WWTP-2013-1- Wastewater Division.

ENGINEER'S CERTIFICATE OF FINAL COMPLETION

**TREATMENT PLANT PROJECT WWTP-2013-1 CONSTRUCTION OF HEADWORKS
IMPROVEMENTS FOR WASTEWATER DIVISION**

CITY OF GRAND ISLAND, NEBRASKA
JANUARY 12, 2016

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

This is to certify that TREATMENT PLANT PROJECT WWTP-2013-1 CONSTRUCTION OF HEADWORKS IMPROVEMENTS FOR WASTEWATER DIVISION, has been fully completed by Garney Companies, Inc. of Kansas City, Missouri under contract dated June 17, 2013. 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 for the City of Grand Island, Nebraska, by me as Director of Public Works in accordance 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.

**TREATMENT PLANT PROJECT WWTP-2013-1 CONSTRUCTION OF HEADWORKS
IMPROVEMENTS FOR WASTEWATER DIVISION**

Construction of:

Garney Companies, Inc.	\$	16,918,000.00
Change Order No. 1	\$	-24,745.00
Change Order No. 2	\$	-42,498.00
Change Order No. 3	\$	-30,583.00
TOTAL CONSTRUCTION COST	\$	16,820,174.00

SUMMARY OF OTHER COST

Item No.	Description	Unit Price
1	Ace Hardware	\$ 221.33
2	Bob Stahla Moblie Home	\$ 10,624.25
3	Capital Business	\$ 2,049.00
4	City of GI Utilities	\$ 128,302.87
5	Dakota Hogback Automation	\$ 5,195.00
6	Eakes	\$ 4,393.95
7	Independent	\$ 154.55
8	Industrial Outfitter Inc.	\$ 239.98
9	Kuester Lake Inc.	\$ 18,777.67
10	Lake Davis Corp	\$ 2,909.57
11	Lee Hadenfeldt	\$ 6,000.00

12	Lordar Inc.	\$	1,813.81
13	Nunnenkamp Well	\$	3,500.00
14	OfficeNet	\$	472.08
15	Quill Corp	\$	581.45
15	Wells Fargo CC	\$	217.20

TOTAL OTHER COST \$ 185,452.71

SUMMARY OF ENGINEERING COST

Black & Veatch Corporation	\$	2,587,268.39
City of Grand Island, Public Works	\$	300,000.00

TOTAL ENGINEERING COST \$ 2,887,268.39

**TOTAL COST OF TREATMENT PLANT PROJECT WWTP-2013-1
CONSTRUCTION OF HEADWORKS IMPROVEMENTS FOR
WASTEWATER DIVISION** \$ **19,892,895.10**

Respectfully submitted,

John Collins, P.E.
Director of Public Works

January 12, 2016

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

I hereby recommend that the Engineer's Certificate of Final Completion for **TREATMENT PLANT PROJECT WWTP-2013-1 CONSTRUCTION OF HEADWORKS IMPROVEMENTS FOR WASTEWATER DIVISION** be approved

Respectfully submitted,

Jeremy L. Jensen
Mayor

City of Grand Island, Nebraska
Grand Island Wastewater Treatment Plant
Headworks Improvements

B&V PN 175144
B&V File 80.1905
November 17, 2015

Mr. Marvin Strong
City of Grand Island
3013 East Swift Road
Grand Island, Nebraska 68801

Subject: Request for Final Completion

Dear Marvin:

This letter addresses Garney's request for Final Completion for the above referenced project. The following items are attached:

- Garney's letter dated October 7, 2015 requesting final completion.
- List of final payment and warranty items dated November 17, 2015.

On October 8, 2015, a final inspection for the project was conducted with representatives from the City, Garney, Olsson, and Black & Veatch. It is our opinion that Garney has satisfactorily completed all construction work and corrections identified during the Final Completion inspection. As such, we recommend that an effective date for final completion be established as October 7, 2015 as requested in Garney's letter. Per Change Order No. 3, the adjusted Contract Time for Final Completion is October 7, 2015. Therefore, the work was completed by the required Contract Time. In accordance with the General Conditions, Article 14.07, Garney should be allowed to make application for final payment and release of the remaining retainage. Attached is a list of final payment and warranty items. Prior to making final payment, delivery of remaining O&M hard copies (item 1) and project closeout documents (item 4) must be completed. Project closeout documents include consent of surety, final lien waiver, and evidence of insurance for the 2-year correction period.

With your concurrence, we will notify Garney of our approval for Final Completion of the project. If you have any questions, please contact me at (913) 458-6558.

Very Truly Yours,

BLACK & VEATCH CORPORATION



Gary J. Schnettgoecke
Engineering Manager

Enclosures

cc: Derek Cambridge, B&V
Rich Henderson, B&V
Joe Baxter, OA
James McClellan, OA



1333 NW Vivion Road, Kansas City, MO 64118
Phone: 816.741.4600
Fax: 816.741.4488
www.garney.com

Date: October 7, 2015

To: Black & Veatch
8400 Ward Parkway
Kansas City, MO 64114

ATTN: Gary Schnettgoecke

RE: City of Grand Island WWTP Headworks Improvements
City Project WWTP-2013-1
Garney Project 4420

In accordance with Paragraph 14.06 "Final Inspection" of the General Conditions of the contract, Garney Construction Co. hereby notifies Black & Veatch that as of October 7, 2015 the work within the contract has been completed. We request a Final Inspection of the work and a Certificate of Completion be issued.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "Mark Miner", written over a horizontal line.

Mark Miner
Project Manager

RESOLUTION 2016-6

WHEREAS, the City Engineer/Public Works Director for the City of Grand Island issued a Certificate of Substantial and Final Completion for construction of the Headworks Improvements; Project No. WWTP-2013-1 at the Wastewater Treatment Plant; City of Grand Island certifying that Garney Companies, Inc. of Kansas City, Missouri, 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 substantial and final completion; and

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

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the Certificate of Substantial and Final Completion for the construction of the Headworks Improvements; Project No. WWTP-2013-1 at the Wastewater Treatment Plant is hereby confirmed.

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Adopted by the City Council of the City of Grand Island, Nebraska, January 12, 2016.

Jeremy L. Jensen, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form January 12, 2016	City Attorney
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