



# City of Grand Island

Tuesday, September 27, 2016

Council Session

## Item G-8

**#2016-227 - Approving Certificate of Final Completion for Faidley Avenue Paving Improvements; Project No. 2014-P-1 & Water Improvements; Project No. 2014-W-14**

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

# **Council Agenda Memo**

**From:** Terry Brown PE, Assistant Public Works Director

**Meeting:** September 27, 2016

**Subject:** Approving Certificate of Final Completion for Faidley Avenue Paving Improvements; Project No. 2014-P-1 & Faidley Avenue Water Improvements; Project No. 2014-W-14

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

## **Background**

On September 23, 2014, by Resolution No. 2014-297, The Diamond Engineering Company of Grand Island, Nebraska was awarded a contract for Faidley Avenue Paving Improvements; Project No. 2014-P-1 & Faidley Avenue Water Improvements; Project No. 2014-W-14 in the amount of \$925,292.70.

On February 24, 2015, by Resolution No. 2015-54 City Council approved Change Order No. 1, which allowed for grading to remedy poor drainage of Moores Creek from Old Potash Highway to the proposed Faidley Avenue, correction of a concrete outfall structure which drains into Moore's Creek that was not found during the survey for the project, modifications to storm sewer connections to existing structures and allowed for a sleeve to account for misshaped pipe that was encountered during the water main lowering. Change Order No. 1 was in the amount of \$49,028.57 for a revised contract amount of \$974,321.27.

This project extended paving to join the two (2) segments of Faidley Avenue, between North Road and Irongate Avenue.

Work on the project commenced May 2014, with substantial completion December 2014 and final completion July 2015. Final grading touchup work and final cover seeding was established by July 2016.

## **Discussion**

The project was completed in accordance with the terms, conditions and stipulations of the contract, plans and specifications. Construction work was completed at a total cost of \$958,552.06, which is an underrun of \$15,769.21. Additional project costs are shown below.

***ADDITIONAL PROJECT COSTS***

Alfred Benesch & Company	Preliminary & Construction Engineering	\$ 137,592.94
The Grand Island Independent	Advertising	\$ 104.80
Hall County Register of Deeds	Filing Fees	\$ 28.00
Straight-Line Striping	Pavement Markings	\$ 399.25
Traffic Safety Warehouse	Flashing Warning Light	\$ 402.70

*Additional Project Costs = \$138,527.69*

Total project costs equate to \$1,097,079.75.

**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 Faidley Avenue Paving Improvements; Project No. 2014-P-1 & Faidley Avenue Water Improvements; Project No. 2014-W-14.

**Sample Motion**

Move to approve the Certificate of Final Completion for Faidley Avenue Paving Improvements; Project No. 2014-P-1 & Faidley Avenue Water Improvements; Project No. 2014-W-14.

## ENGINEER'S CERTIFICATE OF FINAL COMPLETION

Faidley Avenue Paving Improvements; Project No. 2014-P-1 &  
Faidley Avenue Water Improvements; Project No. 2014-W-14  
CITY OF GRAND ISLAND, NEBRASKA  
September 13, 2016

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

This is to certify that Faidley Avenue Paving Improvements; Project No. 2014-P-1 & Faidley Avenue Water Improvements; Project No. 2014-W-14 has been fully completed by The Diamond Engineering Company of Grand Island, Nebraska under the contract dated September 23, 2014. 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.

### Faidley Avenue Paving Improvements; Project No. 2014-P-1 & Faidley Avenue Water Improvements; Project No. 2014-W-14

Item No.	Description	Total Quantity	Unit	Unit Price	Total Cost
<b>Bid Section A -</b>					
1	Mobilization / Demobilization	1.00	LS	\$13,200.00	\$13,200.00
2	Earthwork Measured in Embankment	4,958.00	CY	\$10.70	\$53,050.60
3	Over Excavation	4,414.00	CY	\$7.60	\$33,546.40
4	Moore's Creek Excavation	2,718.00	CY	\$8.20	\$22,287.60
5	SWPPP	0.90	LS	\$625.00	\$562.50
6	Traffic Control	1.00	LS	\$1,600.00	\$1,600.00
7	Remove Pavement	60.00	SY	\$7.50	\$450.00
8	Remove Concrete Sidewalk	9.00	SY	\$1.40	\$12.60
9	Remove Manhole	1.00	EA	\$365.00	\$365.00
10	Remove Dead End Barricade	1.00	LS	\$140.00	\$140.00
11	Build 9" P.C. Concrete Pavement	9,394.00	SY	\$38.40	\$360,729.60
12	Build Concrete Curb and Gutter	70.00	LF	\$17.50	\$1,225.00
13	Build 6" P.C. Concrete Driveway	54.00	SY	\$33.80	\$1,825.20
14	Build 4" P.C. Concrete Sidewalk	32,640.00	SF	\$2.80	\$91,392.00
15	Build 6" P.C. Concrete Ramp	221.00	SF	\$11.00	\$2,431.00
16	Adjust Manhole to Grade	6.00	EA	\$580.00	\$3,480.00
17	Detectable Warning Panel	56.00	SF	\$28.50	\$1,596.00
18	Install R1-1 (30"x30") Sign	0.00	EA	\$100.00	\$0.00
19	Install R1-1 (36"x36") Sign	2.00	EA	\$125.00	\$250.00
20	Install R1-3P (18"x6") Sign	4.00	EA	\$55.00	\$220.00
21	Install W3-1 (30"x30") Sign	2.00	EA	\$121.60	\$243.20
22	Install Sign Post	4.00	EA	\$93.80	\$375.20
23	Install Red Flags	4.00	EA	\$20.65	\$82.60
24	4" Yellow Paint Pavement Marking, Grooved	1,900.00	LF	\$1.65	\$3,135.00
25	24" White Paint Pavement Marking, Grooved	72.00	EA	\$9.00	\$648.00
26	Build Crubn Inlet Protection	15.00	LF	\$130.00	\$1,950.00
27	Build Silt Fence - Inlet Protection	390.00	LF	\$4.50	\$1,755.00
28	Build Culvert Inlet Protection	54.00	SY	\$4.60	\$248.40

29	Erosion Control, Class 1D	9,591.00	AC	\$1.80	\$17,263.80
30	Seeding	9.18	AC	\$3,730.00	\$34,241.40
31	Cover Crop	0.00	LS	\$449.60	\$0.00
32	Remove Concrete Splash Basin	3.00	LF	\$376.00	\$1,128.00
33	Remove 30" Corrugated Metal Pipe	27.00	EA	\$11.90	\$321.30
34	Remove 30" Flared End Section w/ Grate	1.00	LF	\$150.00	\$150.00
35	Remove 30" Reinforced Concrete Storm Sewer Pipe	10.00	EA	\$11.30	\$113.00
36	Build Type "D" Modified Curb Inlet	12.00	EA	\$2,115.00	\$25,380.00
37	Build Area Inlet	0.50	EA	\$4,235.00	\$2,117.50
38	Build "In-Pavement" Storm Sewer Junction Box	4.00	EA	\$3,115.00	\$12,460.00
39	Build "Out-Pavement" Storm Sewer Junction Box	6.00	EA	\$3,070.00	\$18,420.00
40	Build 24" Concrete Plug	0.00	EA	\$165.00	\$0.00
41	Build 18" Storm Sewer Flared End Section	1.00	EA	\$583.60	\$583.60
42	Build 30" Storm Sewer Flared End Section	4.00	EA	\$909.00	\$3,636.00
43	Build 36" Storm Sewer Flared End Section	1.00	EA	\$1,605.00	\$1,605.00
44	Build 48" Storm Sewer Flared End Section	4.00	EA	\$1,850.00	\$7,400.00
45	18" Reinforced Concrete Storm Sewer Pipe, Class III	792.00	LF	\$44.70	\$35,402.40
46	24" Reinforced Concrete Storm Sewer Pipe, Class III	78.00	LF	\$52.20	\$4,071.60
47	30" Reinforced Concrete Storm Sewer Pipe, Class III	181.00	LF	\$72.10	\$13,050.10
48	36" Reinforced Concrete Storm Sewer Pipe, Class III	488.00	LF	\$83.50	\$40,748.00
49	48" Reinforced Concrete Storm Sewer Pipe, Class III	231.00	LF	\$122.50	\$28,297.50
50	Build 30" Reinforced Concrete Outfall Structure	1.00	LS	\$2,085.00	\$2,085.00
51	Build 30" Reinforced Concrete Collar	1.00	EA	\$740.00	\$740.00
<b>Total Bid Section A =</b>					<b>\$846,015.10</b>

**Bid Section B -**

1	Remove 6" Plug and Plug Block	3.00	EA	\$96.30	\$288.90
2	12" Restrained Joint Pipe Water Main	30.00	LF	\$132.90	\$3,987.00
3	12" Retainer Gland	8.00	EA	\$209.80	\$1,678.40
4	12" x 22.5 Degree Bend	4.00	EA	\$791.75	\$3,167.00
5	24" Water Main	40.00	LF	\$240.00	\$9,600.00
6	24" Retainer Gland	8.00	EA	\$582.15	\$4,657.20
7	24" x 22.5 Degree Bend	4.00	EA	\$1,927.60	\$7,710.40
8	Fire Hydrant (Complete)	3.00	EA	\$4,840.00	\$14,520.00
9	Adjust 6" Valve Box to Grade	9.00	EA	\$324.40	\$2,919.60
10	Adjust 12" Valve Box to Grade	2.00	EA	\$324.40	\$648.80
11	Adjust Fire Hydrant to Grade	3.00	EA	\$1,360.00	\$4,080.00
12	Concrete Blocking for Fittings	24.00	CY	\$375.00	\$9,000.00
13	Fire Hydrant Blocking	1.00	CY	\$441.60	\$441.60

14	1" Corp Stop	6.00	EA	\$445.60	\$2,673.60
15	1" Plug	6.00	EA	\$35.20	\$211.20
<b>Total Bid Section B =</b>					<b>\$65,583.70</b>

**Change Order No. 1 -**

CO1-1	Moores Creek Excavation	1,801.00	CY	\$12.87	\$23,178.87
CO1-2	Remove Erosion Control, Class 1D	796.00	SY	\$1.32	\$1,050.72
CO1-3	Erosion Control, Class 13	4,375.00	SY	\$2.09	\$9,143.75
CO1-4	Remove & Salvage 48" RCP FES	4.00	EA	\$356.95	\$1,427.80
CO1-5	Remove & Salvage 48" RCP	214.00	LF	\$20.08	\$4,297.12
CO1-6	6" Reinf. Conc. Outfall Structure @ Sta. 324+90	1.00	LS	\$3,000.00	\$3,000.00
CO1-7	Tap Existing Manhole	0.00	LS	\$1,325.00	\$0.00
CO1-8	30" Round Equivalent Reinforced Concrete Storm Sewer Pipe, Class III	14.00	LF	\$130.00	\$1,820.00
CO1-9	Build 30" Round Equivalent Reinforced Concrete Collar	1.00	EA	\$835.00	\$835.00
CO1-10	24" M.J. Solid Sleeve	1.00	EA	\$2,200.00	\$2,200.00
<b>Total Change Order No. 1 =</b>					<b>\$46,953.26</b>
<b>The Diamond Engineering Co. Grand Total =</b>					<b>\$958,552.06</b>

**ADDITIONAL PROJECT COSTS**

Alfred Benesch & Company	Preliminary & Construction Engineering	\$ 137,592.94
The Grand Island Independent	Advertising	\$ 104.80
Hall County Register of Deeds	Filing Fees	\$ 28.00
Straight-Line Striping	Pavement Markings	\$ 399.25
Traffic Safety Warehouse	Flashing Warning Light	\$ 402.70
<b>Subtotal Additional Project Costs =</b>		<b>\$ 138,527.69</b>

**Total Costs - \$1,097,079.75**

I hereby recommend that the Engineer's Certificate of Final Completion for Faidley Avenue Paving Improvements; Project No. 2014-P-1 & Faidley Avenue Water Improvements; Project No. 2014-W-14 be approved.

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John Collins, PE - City Engineer/Public Works Director

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Jeremy L. Jensen – Mayor

RESOLUTION 2016-227

WHEREAS, the City Engineer/Public Works Director for the City Of Grand Island has issued a Certificate of Completion for aidley Avenue Paving Improvements; Project No. 2014-P-1 & Faidley Avenue Water Improvements; Project No. 2014-W-14, certifying that The Diamond Engineering Company of Grand Island, Nebraska, under contract, has completed such project; and

WHEREAS, the City Engineer/Public Works Director recommends the acceptance of the project; 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 Final Completion for aidley Avenue Paving Improvements; Project No. 2014-P-1 & Faidley Avenue Water Improvements; Project No. 2014-W-14, in the amount of \$1,097,079.75 is hereby confirmed.

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Adopted by the City Council of the City of Grand Island, Nebraska, September 27, 2016.

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Jeremy L. Jensen, Mayor

Attest:

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RaNae Edwards, City Clerk

Approved as to Form	☒ _____
September 23, 2016	☒ City Attorney