



# City of Grand Island

Tuesday, September 27, 2016

Council Session

## Item G-9

**#2016-228 - Approving Certificate of Final Completion for South Blaine Street Bridge Replacements; Project No. 2014-B-1**

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 South Blaine Street Bridge Replacements; Project No. 2014-B-1

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

## Background

On January 13, 2015 The Diamond Engineering Company of Grand Island, Nebraska was awarded a contract for the South Blaine Street Bridge Replacements; Project No. 2014-B-1 in the amount of \$384,983.95.

On August 11, 2015, by Resolution No. 2015-213 City Council approved Change Order No. 1, which granted an extension for project completion and addressed the condition of the asphalt roadway with an upgrade to concrete pavement in the amount of \$40,994.72 for a revised contract amount of \$425,978.67.

The bridge replacement was to update the north bridge structure with two (2) box culverts and the south bridge structure with two (2) Arch RCP culvert pipes. The roadway was also widened to improve traffic flow in the area.

Work on the project commenced September 2015, with substantial completion April 2016. Final touchup grading work and 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 \$429,851.12. Additional project costs are shown below.

### ***ADDITIONAL PROJECT COSTS***

Alfred Benesch & Company	Preliminary & Construction Engineering	\$105,440.33
The Grand Island Independent	Advertising	\$ 118.32
Hall County Register of Deeds	Filing Fees	\$ 62.00
Speece Lewis Engineers, Inc.	Structural Inspections	\$ 962.53

*Additional Project Costs = \$ 106,583.18*

Total project costs equate to \$536,434.30.

### **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 South Blaine Street Bridge Replacements; Project No. 2014-B-1.

### **Sample Motion**

Move to approve the Certificate of Final Completion for South Blaine Street Bridge Replacements; Project No. 2014-B-1.

## ENGINEER'S CERTIFICATE OF FINAL COMPLETION

South Blaine Street Bridge Replacements; Project No. 2014-B-1  
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 South Blaine Street Bridge Replacements; Project No. 2014-B-1 has been fully completed by The Diamond Engineering Company of Grand Island, Nebraska under the contract dated January 13, 2015. 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.

### **South Blaine Street Bridge Replacements; Project No. 2014-B-1**

Item No.	Description	Total Quantity	Unit	Unit Price	Total Cost
<b>Base Bid -</b>					
1	Mobilization / Demobilization	1.00	LS	\$11,574.95	\$11,574.95
2	Build 7" P.C. Concrete Pavement	628.00	SY	\$48.57	\$30,501.96
3	Gravel Surface Course	4.40	CY	\$22.99	\$101.16
4	Earthwork Measured in Embankment	3,600.00	CY	\$18.48	\$66,528.00
5	Over Excavation	0.00	CY	\$22.99	\$0.00
6	Concrete for Concrete Box Culvert	418.18	CY	\$361.38	\$151,121.89
7	Reinforcing Steel for Concrete Box Culvert	45,595.00	LBS	\$1.45	\$66,112.75
8	Crushed Rock Base Course	110.00	CY	\$85.58	\$9,413.80
9	Dewatering for Structure @ Sta. 102+65	0.00	DAY	\$256.41	\$0.00
10	Dewatering for Structure @ Sta. 106+91	18.00	DAY	\$256.41	\$4,615.38
11	Traffic Control	1.00	LS	\$4,626.04	\$4,626.04
12	4" Yellow Paint Pavement Marking, Grooved	1,160.00	LF	\$2.73	\$3,166.80
13	4" White Paint Pavement Marking, Grooved	1,160.00	LF	\$2.73	\$3,166.80
14	Seeding	2.50	AC	\$3,782.53	\$9,456.33
15	Wetland Seeding	0.06	AC	\$3,819.67	\$229.18
16	Cover Crop	0.00	AC	\$1,361.64	\$0.00
17	SWPPP	1.00	LS	\$857.66	\$857.66
18	Temporary Silt Fence	613.00	LF	\$5.39	\$3,304.07
19	Erosion Control, Class 2C	350.00	SY	\$6.47	\$2,264.50
20	Fabric Silt Checks	0.00	LF	\$8.13	\$0.00
21	Build Barbed Wire Fence	99.00	LF	\$6.88	\$681.12
22	Clearing and Grubbing	1.00	LS	\$1,061.02	\$1,061.02
23	Remove Pavement	220.00	SY	\$6.81	\$1,498.20
24	Remove Structure @ Sta. 102+69	1.00	LS	\$6,578.32	\$6,578.32
25	Remove Structure @ Sta. 106+89	1.00	LS	\$6,092.02	\$6,092.02
26	Remove Trees	1.00	LS	\$1,998.25	\$1,998.25
27	Remove Fence	825.00	LF	\$1.01	\$833.25
28	Remove and Reset Custom Steel Fence	0.00	LF	\$33.60	\$0.00
<b>Total Base Bid =</b>				<b>\$385,783.44</b>	

**Change Order No. 1 -**

CO1-1	Remove Pavement	760.00	SY	\$6.64	\$5,046.40
CO1-2	Build 7" P.C. Concrete Pavement	866.00	SY	\$46.56	\$40,320.96
CO1-3	Reduction of Contract Price for Remove Pavement	220.00	SY	-\$0.17	-\$37.40
CO1-4	Reduction of Contract Price for Build 7" P.C. Concrete Pavement	628.00	SY	-\$2.01	-\$1,262.28
<b>Total Change Order No. 1 =</b>					<b>\$44,067.68</b>

<b>THE DIAMOND ENGINEERING COMPANY GRAND TOTAL =</b>	<b>\$429,851.12</b>
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***ADDITIONAL PROJECT COSTS***

Alfred Benesch & Company	Preliminary & Construction Engineering	\$ 105,440.33
The Grand Island Independent	Advertising	\$ 118.32
Hall County Register of Deeds	Filing Fees	\$ 62.00
Speece Lewis Engineers, Inc.	Structural Inspections	\$ 962.53
<b>Subtotal Additional Project Costs =</b>		<b>\$ 106,583.18</b>

**Total Costs - \$536,434.30**

I hereby recommend that the Engineer's Certificate of Final Completion for South Blaine Street Bridge Replacements; Project No. 2014-B-1 be approved.

\_\_\_\_\_  
John Collins, PE - City Engineer/Public Works Director

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Jeremy L. Jensen – Mayor

RESOLUTION 2016-228

WHEREAS, the City Engineer/Public Works Director for the City Of Grand Island has issued a Certificate of Completion for South Blaine Street Bridge Replacements; Project No. 2014-B-1, 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 South Blaine Street Bridge Replacements; Project No. 2014-B-1, in the amount of \$536,434.30 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:

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

Approved as to Form    ✕ \_\_\_\_\_  
September 23, 2016    ✕ City Attorney