



City of Grand Island

Tuesday, January 23, 2018

Council Session

Item G-16

#2018-23 - Approving Certificate of Final Completion for Adams Street Paving Project No. 2016-P-2 and Water Main Project No. 2016-W-5

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

Council Agenda Memo

From: Keith Kurz PE, Assistant Public Works Director

Meeting: January 23, 2018

Subject: Approving Certificate of Final Completion for Adams Street Paving Project No. 2016-P-2 and Water Main Project No. 2016-W-5

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

Background

The Diamond Engineering Company of Grand Island, Nebraska was awarded a \$1,050,993.15 contract for construction of Adams Street Paving Project No. 2016-P-2 and Water Main Project No. 2016-W-5 on December 13, 2016 via Resolution No. 2016-303.

The project consisted of removing approximately 1250' of the Adams Street roadway north of Stolley Park Road and replacing with concrete pavement. The roadway was widened from 24' to 37' for a 3-lane section with improved drainage and elimination of the ditch section. A traffic signal at the intersection of Adams Street and Stolley Park Road was also included in the project.

Work commenced on February 2017 and was completed on August 1, 2017.

Discussion

The project was completed in accordance with the terms, conditions, and stipulations of the contract, plans and specifications. Construction was completed with an underrun of \$7,988.25, for a total cost of \$1,043,004.90. Additional project costs are shown below.

ADDITIONAL COSTS

The Grand Island Independent	Advertising	\$ 232.60
Olsson Associates	Construction Observation	\$ 96,313.91
Hall County Register of Deeds	Filing	\$ 192.00

Additional Costs = \$ 96,738.51

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 Adams Street Paving Project No. 2016-P-2 and Water Main Project No. 2016-W-5.

Sample Motion

Move to approve the Certificate of Final Completion for Adams Street Paving Project No. 2016-P-2 and Water Main Project No. 2016-W-5.

ENGINEER'S CERTIFICATE OF FINAL COMPLETION

Adams Street Paving Project No. 2016-P-2 and Water Main Project No. 2016-W-5
 CITY OF GRAND ISLAND, NEBRASKA
 January 23, 2018

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

This is to certify that Adams Street Paving Project No. 2016-P-2 and Water Main Project No. 2016-W-5 has been fully completed by The Diamond Engineering Company of Grand Island, Nebraska under the contract dated December 13, 2016. 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
Bid Section "A" - Adams Street Paving Project No. 2016-P-2					
1	BUILD 8" DOWELED P.C. CONCRETE	6,314.00	SY	\$ 46.55	\$ 293,916.70
2	BUILD 8" P.C. CONCRETE PAVING	2,361.00	SY	\$ 42.10	\$ 99,398.10
3	BUILD 8" P.C. IMPRINTED COLOR CONCRETE	681.00	SY	\$ 78.15	\$ 53,220.15
4	BUILD 6" P.C. CONCRETE SIDEWALK/TRAIL	17,483.00	SF	\$ 4.80	\$ 83,918.40
5	BUILD 8" P.C. IMPRINTED COLOR CONCRETE SAMPLE PAD	2.00	EA	\$ 675.00	\$ 1,350.00
6	ADJUST WATER VALVE TO GRADE	2.00	EA	\$ 115.00	\$ 230.00
7	ADJUST SANITARY SEWER MANHOLE TO GRADE	1.00	EA	\$ 700.00	\$ 700.00
8	TRAFFIC CONTROL	1.00	LS	\$ 4,400.00	\$ 4,400.00
9	MOBILIZATION / DEMOBILIZATION	1.00	LS	\$ 39,300.00	\$ 39,300.00
10	EARTHWORK	1.00	LS	\$ 112,500.00	\$ 112,500.00
11	OVER EXCAVATION	550.00	CY	\$ 6.80	\$ 3,740.00
12	SEDIMENT AND EROSION CONTROL	1.00	LS	\$ 2,050.00	\$ 2,050.00
13	CURB INLET PROTECTOR	120.00	LF	\$ 22.60	\$ 2,712.00
14	SILT FENCE - INLET PROTECTION	40.00	LF	\$ 6.35	\$ 254.00
15	SEEDING	1.30	AC	\$ 3,550.00	\$ 4,615.00
16	INSTALL 6" SCHEDLUE 40 PVC CONDUIT	63.00	LF	\$ 11.25	\$ 708.75
17	INSTALL 4" SCHEDULE 40 PVC CONDUIT	357.00	LF	\$ 9.50	\$ 3,391.50
18	DEWATERING	1.00	LS	\$ 1.00	\$ 1.00
Total Bid Section "A" =					\$ 706,405.60

Bid Section "B" - Storm Sewer Paving Project No. 2016-P-2					
19	BUILD TYPE "D" MODIFIED CURB INLET	6.00	EA	\$ 2,865.00	\$ 17,190.00
20	BUILD STORM SEWER JUNCTION BOX	5.00	EA	\$ 4,360.00	\$ 21,800.00
21	BUILD STORM SEWER AREA INLET	1.00	EA	\$ 3,355.00	\$ 3,355.00
22	15" REINFORCED CONCRETE STORM SEWER PIPE	173.00	LF	\$ 48.90	\$ 8,459.70

23	18" REINFORCED CONCRETE STORM SEWER PIPE	20.00	LF	\$ 52.65	\$ 1,053.00
24	24" REINFORCED CONCRETE STORM SEWER PIPE	531.00	LF	\$ 53.25	\$ 28,275.75
25	36" REINFORCED CONCRETE STORM SEWER PIPE	563.00	LF	\$ 80.60	\$ 45,377.80
26	BUILD STORM SEWER PLUG	1.00	EA	\$ 125.00	\$ 125.00
27	WATERPROOF STORM SEWER INLET	0.00	EA	\$ 500.00	\$ -
Total Bid Section "B" =				\$	125,636.25

Bid Section "C" - Pavement Marking Paving Project No. 2016-P-2					
28	4" YELLOW POLYUREA PAVEMENT MARKING, GROOVED	4,569.00	LF	\$ 3.00	\$ 13,707.00
29	12" YELLOW POLYUREA PAVEMENT MARKING, GROOVED	200.00	LF	\$ 9.00	\$ 1,800.00
30	4" WHITE POLYUREA PAVEMENT MARKING, GROOVED	625.00	LF	\$ 3.00	\$ 1,875.00
31	12" WHITE POLYUREA PAVEMENT MARKING, GROOVED	146.00	LF	\$ 9.00	\$ 1,314.00
32	24" WHITE POLYUREA PAVEMENT MARKING, GROOVED	476.00	LF	\$ 19.50	\$ 9,282.00
33	ARROW, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED	10.00	EA	\$ 300.00	\$ 3,000.00
34	4" YELLOW PAINTED PAVEMENT MARKING, GROOVED	0.00	LF	\$ 3.00	\$ -
35	4" WHITE PAINTED DASHED PAVEMENT MARKING, GROOVED	0.00	LF	\$ 3.00	\$ -
36	4" YELLOW PAINTED PAVEMENT MARKING, UNGROOVED	0.00	LF	\$ 3.00	\$ -
37	12" YELLOW PAINTED PAVEMENT MARKING, UNGROOVED	0.00	LF	\$ 9.00	\$ -
38	4" WHITE PAINTED PAVEMENT MARKING, UNGROOVED	0.00	LF	\$ 3.00	\$ -
39	12" WHITE PAINTED PAVEMENT MARKING, UNGROOVED	0.00	LF	\$ 9.00	\$ -
40	24" WHITE PAINTED PAVEMENT MARKING, UNGROOVED	0.00	LF	\$ 19.50	\$ -
41	ARROW, PAINTED PAVEMENT MARKING, UNGROOVED	0.00	EA	\$ 300.00	\$ -
42	REMOVE AN DRESET SIGN	3.00	EA	\$ 110.00	\$ 330.00
43	SIGN POST	24.00	EA	\$ 140.00	\$ 3,360.00
44	TRAFFIC SIGN - PER PLAN	30.00	EA	\$ 120.00	\$ 3,600.00
Total Bid Section "C" =				\$	38,268.00

Bid Section "D" - Removals Paving Project No. 2016-P-2					
45	REMOVE ASPHALT PAVING	3,943.00	SY	\$ 3.40	\$ 13,406.20
46	REMOVE CONCRETE SIDEWALK	7,684.00	SF	\$ 0.55	\$ 4,226.20
47	REMOVE CONCRETE PAVING	822.00	SY	\$ 4.85	\$ 3,986.70
48	REMOVE CONCRETE CURB AND GUTTER	1,159.00	SF	\$ 0.50	\$ 579.50
49	REMOVE DECORATIVE BRICK STRUCTURES	2.00	EA	\$ 315.00	\$ 630.00
50	REMOVE TREE	32.00	EA	\$ 415.00	\$ 13,280.00
Total Bid Section "D" =					\$ 36,108.60

Bid Section "E" - Traffic Signal Paving Project No. 2016-P-2					
51	REMOVE PEDESTRIAN SIGNAL	1.00	EA	\$ 2,205.00	\$ 2,205.00
52	2 IN. CONDUIT IN TRENCH	380.00	LF	\$ 4.35	\$ 1,653.00
53	3 IN. CONDUIT IN TRENCH	152.00	LF	\$ 7.50	\$ 1,140.00
54	2 IN. CONDUIT JACKED	274.00	LF	\$ 15.90	\$ 4,356.60
55	3 IN. CONDUIT JACKED	147.00	LF	\$ 16.90	\$ 2,484.30
56	PULL BOX, TYPE PB-2	3.00	EA	\$ 1,430.00	\$ 4,290.00
57	PULL BOX, TYPE PB-6	2.00	EA	\$ 635.00	\$ 1,270.00
58	SERVICE METER AND PEDESTAL	1.00	EA	\$ 475.00	\$ 475.00
59	TRAFFIC SIGNAL CONTROLLER TYPE TC-NEMA	1.00	EA	\$ 19,675.00	\$ 19,675.00
60	PEDESTAL POLE, PP-10	2.00	EA	\$ 1,210.00	\$ 2,420.00
61	COMBINATION MAST ARM SIGNAL AND LIGHT POLE, TYPE CMP-25-12	1.00	EA	\$ 4,350.00	\$ 4,350.00
62	COMBINATION MAST ARM SIGNAL AND LIGHT POLE, TYPE CMP-30-12	1.00	EA	\$ 4,545.00	\$ 4,545.00
63	COMBINATION MAST ARM SIGNAL AND LIGHT POLE, TYPE CMP-40-12	2.00	EA	\$ 5,230.00	\$ 10,460.00
64	TRAFFIC SIGNAL, TYPE TS-I, T36	4.00	EA	\$ 925.00	\$ 3,700.00
65	TRAFFIC SIGNAL, TYPE TS-IA, T31	4.00	EA	\$ 925.00	\$ 3,700.00
66	TRAFFIC SIGNAL, TYPE TS-ILC, T35	3.00	EA	\$ 925.00	\$ 2,775.00
67	TRAFFIC SIGNAL, TYPE TS-ILD, T49	1.00	EA	\$ 1,065.00	\$ 1,065.00
68	PEDESTRIAN SIGNAL, TYPE PS-1, T19	8.00	EA	\$ 680.00	\$ 5,440.00
69	PEDESTRIAN PUSH BUTTON, TYPE PPB	8.00	EA	\$ 225.00	\$ 1,800.00
70	VIDEO DETECTION CAMERA	4.00	EA	\$ 5,150.00	\$ 20,600.00
71	GPS SIGNAL PREEMPTION SYSTEM	1.00	EA	\$ 9,695.00	\$ 9,695.00
72	STREET NAME SIGN	4.00	EA	\$ 840.00	\$ 3,360.00
73	LUMINAIRE	4.00	EA	\$ 435.00	\$ 1,740.00
74	3/C #14 AWG, PEDESTRIAN PUSH BUTTON CABLE	844.00	LF	\$ 3.30	\$ 2,785.20
75	20/C #14 AWG, TRAFFIC SIGNAL CABLE	385.00	LF	\$ 4.85	\$ 1,867.25
76	CAMERA DETECTOR CABLE	385.00	LF	\$ 2.60	\$ 1,001.00
77	#6 SERVICE CABLE	85.00	LF	\$ 1.50	\$ 127.50
78	#10 STREET LIGHTING CABLE	482.00	LF	\$ 1.20	\$ 578.40
79	#8 GROUNDING CONDUCTOR	341.00	LF	\$ 1.20	\$ 409.20
80	GPS PREEMPTION CABLE	135.00	LF	\$ 1.20	\$ 162.00

81	2/C #14 AWG, TRAFFIC SIGNAL CABLE	400.00	LF	\$ 1.20	\$ 480.00
82	5/C #14 AWG, TRAFFIC SIGNAL CABLE	400.00	LF	\$ 1.75	\$ 700.00
83	7/C #14 AWG, TRAFFIC SIGNAL CABLE	400.00	LF	\$ 2.00	\$ 800.00
84	FOOTING SLEEVE	0.00	EA	\$ 490.00	\$ -
85	CONFIRMATION BEACON	4.00	EA	\$ 355.00	\$ 1,420.00
Total Bid Section "E" =					\$ 123,529.45

Bid Section "F" - Water Main Project No. 2016-W-5

86	10" D.I. WATER MAIN	45.50	LF	\$ 134.00	\$ 6,097.00
87	10" 45°M.J. BEND	4.00	EA	\$ 1,040.00	\$ 4,160.00
88	10" RETAINER GLAND	8.00	EA	\$ 145.00	\$ 1,160.00
89	1" CORPORATION STOP	2.00	EA	\$ 730.00	\$ 1,460.00
90	1" PLUG	2.00	EA	\$ 90.00	\$ 180.00
91	TEMPORARY SURFACING - 6"	0.00	SY	\$ 40.00	\$ -
Total Bid Section "F" =					\$ 13,057.00

Grand Total =					\$ 1,043,004.90
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Additional Costs:

The Grand Island Independent	Advertising	\$ 232.60
Olsson Associates	Construction Observation	\$ 96,313.91
Hall County Register of Deeds	Filing	\$ 192.00
Additional Costs =		\$ 96,738.51

Grand Total =					\$1,139,743.41
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I hereby recommend that the Engineer's Certificate of Final Completion for Adams Street Paving Project No. 2016-P-2 and Water Main Project No. 2016-W-5 be approved.

John Collins – City Engineer/Public Works Director

Jeremy L. Jensen – Mayor

RESOLUTION 2018-23

WHEREAS, the City Engineering/Public Works Director for the City of Grand Island issued a Certificate of Final Completion for Adams Street Paving Project No. 2016-P-2 and Water Main Project No. 2016-W-5 certifying that The Diamond Engineering Company of Grand Island, Nebraska, under contract, has completed such project for the total construction amount of \$1,043,004.90; and

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

WHEREAS, additional project costs equate to \$96,738.51, as shown

ADDITIONAL COSTS

The Grand Island Independent	Advertising	\$	232.60
Olsson Associates	Construction Observation	\$	96,313.91
Hall County Register of Deeds	Filing	\$	192.00

**Additional Costs = \$
96,738.51**

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:

1. The Certificate of Final Completion for Adams Street Paving Project No. 2016-P-2 and Water Main Project No. 2016-W-5, in the amount of \$1,139,743.41 is hereby confirmed.

Adopted by the City Council of the City of Grand Island, Nebraska, January 23, 2018.

Jeremy L. Jensen, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
January 19, 2018	☐ City Attorney