



City of Grand Island

Tuesday, December 8, 2015

Council Session

Item G-8

#2015-334 - Approving Certification of Final Completion for 3rd Street and Wheeler Avenue Intersection Improvements; Paving Project No. 2015-P-2 & Water Main Improvements Project No. 2015-W-3

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

Council Agenda Memo

From: Terry Brown PE, Assistant Public Works Director

Meeting: December 8, 2015

Subject: Approving Certification of Final Completion for 3rd Street and Wheeler Avenue Intersection Improvements; Paving Project No. 2015-P-2 & Water Main Improvements Project No. 2015-W-3

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

Background

Paving Project #2015-P-2 improved the Downtown 3rd Street and Wheeler Avenue intersection. The project involved adding bump-outs to make for a more pedestrian friendly feel, and installation of storm sewer for improved drainage. This project worked in conjunction with the park improvements adjacent to the north side of the intersection.

Water Main Project 2015-W-3 involved the trenchless installation of a new 12-inch ductile-iron water main and related appurtenances. The project is generally described as being located in the Downtown district of the City of Grand Island along the south side of Third Street, from Cedar Street to Pine Street. The project improved the water system pressure profiles and provides increased fire protection to the area, and was funded by the water utility enterprise fund as a system betterment project. The trenchless installation utilized the closure of the 3rd and Wheeler intersection during the paving project and minimized construction impacts to downtown traffic and businesses.

The City Council awarded the bid for construction of the both projects to The Diamond Engineering Company of Grand Island, Nebraska on May 12, 2015, in the amount of \$424,952.17. Work on the project commenced June 11, 2015 with final completion September 18, 2015.

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 \$425,768.00, which is an overrun of \$815.83. Additional project costs are shown below.

ADDITIONAL PROJECT COSTS

JEO Consulting Group	Engineering	\$	56,685.00
The Grand Island Independent	Advertising	\$	107.55
The Diamond Engineering Company	Additional Items with Water Improvements	\$	8,171.50
Subtotal Additional District Costs =			\$ 64,964.05

Total project costs equate to \$490,732.05.

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 3rd Street and Wheeler Avenue Intersection Improvements; Paving Project No. 2015-P-2 & Water Main Improvements Project No. 2015-W-3.

Sample Motion

Move to approve the Certificate of Final Completion for 3rd Street and Wheeler Avenue Intersection Improvements; Paving Project No. 2015-P-2 & Water Main Improvements Project No. 2015-W-3.

ENGINEER'S CERTIFICATE OF FINAL COMPLETION

3rd Street and Wheeler Avenue Intersection Improvements;
Paving Project No. 2015-P-2 & Water Main Improvements Project No. 2015-W-3
CITY OF GRAND ISLAND, NEBRASKA
December 8, 2015

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

This is to certify that 3rd Street and Wheeler Avenue Intersection Improvements; Paving Project No. 2015-P-2 & Water Main Improvements Project No. 2015-W-3 have been fully completed by The Diamond Engineering Company of Grand Island, Nebraska under the contract dated May 26, 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.

Paving Project No. 2015-P-2 & Water Main Improvements Project No. 2015-W-3

		Quantities			Total Amount
	Description	Placed	Unit	Price Bid	Completed
	<u>Bid Section A</u>				
1	Mobilization/Demobilization	1.00	LS	\$ 4,905.00	\$ 4,905.00
2	Remove Pavement	1,061.00	SY	\$ 8.55	\$ 9,071.55
3	Remove Walk	402.00	SY	\$ 3.85	\$ 1,547.70
4	Remove Brick Paver	70.00	SY	\$ 12.50	\$ 875.00
5	Remove Flagpole & Base	1.00	EA	\$ 450.00	\$ 450.00
6	Remove Water Valve Manhole	2.00	EA	\$ 560.00	\$ 1,120.00
7	Remove and Reset Sign Post	6.00	EA	\$ 115.00	\$ 690.00
8	Remove Inlet	3.00	EA	\$ 335.00	\$ 1,005.00
9	Remove Storm Sewer Pipe, <18"	160.00	LF	\$ 17.10	\$ 2,736.00
10	12" Storm Sewer Pipe, Class III	164.00	LF	\$ 52.55	\$ 8,618.20
11	15" Storm Sewer Pipe, Class III	71.00	LF	\$ 50.50	\$ 3,585.50
12	16" Storm Sewer Pipe, C905 PVC	40.00	LF	\$ 77.65	\$ 3,106.00
13	Junction Box, 4' x 4'	2.00	EA	\$ 3,290.00	\$ 6,580.00
14	Added Depth Junction Box, 4' x 4'	3.00	VF	\$ 213.10	\$ 639.30
15	Junction Box, 4' x 6'	1.00	EA	\$ 3,895.00	\$ 3,895.00
16	Curb Inlet	3.00	EA	\$ 2,860.00	\$ 8,580.00
17	Combination Curb Inlet	2.00	EA	\$ 2,895.00	\$ 5,790.00
18	2 ½" PVC Schedule 40 Pipe	0.00	LF	\$ 9.00	\$ 0.00
19	2 ½" PVC Plug	0.00	EA	\$ 15.00	\$ 0.00

20	8" PVC Schedule 40 Pipe	10.00	LF	\$ 41.15	\$ 411.50
21	8" PVC Plug	0.00	EA	\$ 135.00	\$ 0.00
22	8" Concrete Pavement	757.00	SY	\$ 67.15	\$ 50,832.55
23	8" Concrete Pavement (Color)	114.00	SY	\$ 95.30	\$ 10,864.20
24	5" Sidewalk	629.00	SY	\$ 50.00	\$ 31,450.00
25	Detectable Warning Panels	64.00	SF	\$ 37.45	\$ 2,396.80
26	Install Brick Pavers	20.00	SY	\$ 70.80	\$ 1,416.00
27	Water Valve Box	2.00	EA	\$ 315.00	\$ 630.00
28	Adjust to Grade, Water Valve	2.00	EA	\$ 320.00	\$ 640.00
29	Adjust to Grade, Curb Stop	2.00	EA	\$ 268.00	\$ 536.00
30	Adjust to Grade, Pull Box	4.00	EA	\$ 415.00	\$ 1,660.00
31	4" White Pavement Marking	110.00	LF	\$ 1.90	\$ 209.00
32	4" Yellow Pavement Marking	18.00	LF	\$ 2.50	\$ 45.00
33	10" Yellow Pavement Marking	0.00	LF	\$ 3.50	\$ 0.00
34	24" White Pavement Marking	0.00	LF	\$ 5.55	\$ 0.00
35	Temporary Traffic Control	1.00	LS	\$ 5,555.00	\$ 5,555.00
36	Sediment and Erosion Control	1.00	LS	\$ 1,710.00	\$ 1,710.00
					\$ 171,550.30
	<u>Change Order No. 1</u>				
CO1-1	Install Drain Inside Park	1.00	LS	\$ 4,472.00	\$ 4,472.00
CO1-2	Styrofoam & Water Stop in Inlet	1.00	LS	\$ 625.00	\$ 625.00
CO1-3	Storm Break Fix (By City)	1.00	LS	\$ (2,300.00)	\$ (2,300.00)
CO1-4	Liquidated Damages	4.00	DAY	\$ (1,000.00)	\$ (4,000.00)
					\$ (1,203.00)
	<u>Bid Section B</u>				
1	12" R.J. D.I. Pipe	1,368.80	LF	\$ 110.85	\$ 151,731.48
2	10" R.J. D. I. Pipe	4.00	LF	\$ 106.00	\$ 424.00
3	6" S.J. D.I. Pipe	75.40	LF	\$ 74.30	\$ 5,602.22
4	4" S.J. D.I. Pipe	20.00	LF	\$ 81.75	\$ 1,635.00
5	12" x 12" Tapping Sleeve	1.00	EA	\$ 4,083.00	\$ 4,083.00
6	10" x 10" Tapping Sleeve	1.00	EA	\$ 3,767.60	\$ 3,767.60
7	6" x 6" Tapping Sleeve	2.00	EA	\$ 2,643.00	\$ 5,286.00
8	4" x 4" Tapping Sleeve	1.00	EA	\$ 2,303.00	\$ 2,303.00
9	12" Tapping Sleeve	1.00	EA	\$ 4,314.60	\$ 4,314.60
10	12" Gate Valve	1.00	EA	\$ 3,066.25	\$ 3,066.25
11	10" Tapping Valve	1.00	EA	\$ 2,841.40	\$ 2,841.40
12	6" Tapping Valve	2.00	EA	\$ 1,326.00	\$ 2,652.00
13	4" Tapping Valve	1.00	EA	\$ 981.10	\$ 981.10
14	12" x 6" M.J. Tee	4.00	EA	\$ 869.90	\$ 3,479.60

15	12" x 4" M.J. Tee	1.00	EA	\$ 816.30	\$ 816.30
16	12" x 10" M.J. Reducer	1.00	EA	\$ 393.80	\$ 393.80
17	12" x 45° M.J. Bend	4.00	EA	\$ 812.70	\$ 3,250.80
18	6" x 90° M.J. Bend	4.00	EA	\$ 376.10	\$ 1,504.40
19	6" x 45° M.J. Bend	2.00	EA	\$ 356.20	\$ 712.40
20	4" x 90° M.J. Bend	1.00	EA	\$ 320.85	\$ 320.85
21	4" x 45° M.J. Bend	0.00	EA	\$ 310.00	\$ 0.00
22	12" Retainer Gland	34.00	EA	\$ 163.50	\$ 5,559.00
23	10" Retainer Gland	2.00	EA	\$ 123.70	\$ 247.40
24	6" Retainer Gland	36.00	EA	\$ 97.10	\$ 3,495.60
25	4" Retainer Gland	4.00	EA	\$ 58.25	\$ 233.00
26	Fire Hydrant	4.00	EA	\$ 608.55	\$ 2,434.20
27	Valve Box	8.00	EA	\$ 249.65	\$ 1,997.20
28	Thrust Block	26.00	EA	\$ 453.00	\$ 11,778.00
29	8 MIL Polywrap	1,468.20	LF	\$ 2.05	\$ 3,009.81
30	Saw Cut	344.00	LF	\$ 4.70	\$ 1,616.80
31	Remove Asphalt/Concrete Roadway	195.10	SY	\$ 10.00	\$ 1,951.00
32	Replace Asphalt/Concrete Roadway	195.10	SY	\$ 73.50	\$ 14,339.85
33	Remove Concrete Sidewalk	235.80	SF	\$ 1.10	\$ 259.38
34	Replace Concrete Sidewalk	235.80	SF	\$ 7.10	\$ 1,674.18
35	Remove and Replace Curb & Gutter	90.40	LF	\$ 41.20	\$ 3,724.48
36	Traffic Control	1.00	LS	\$ 3,935.00	\$ 3,935.00
					\$ 255,420.70

THE DIAMOND ENGINEERING COMPANY =

\$ 425,768.00

ADDITIONAL PROJECT COSTS

JEO Consulting Group	Engineering	\$ 56,685.00
The Grand Island Independent	Advertising	\$ 107.55
The Diamond Engineering Company	Additional Items with Water Improvements	\$ 8,171.50

Subtotal Additional District Costs = \$ 64,964.05

Total Costs - \$490,732.05

I hereby recommend that the Engineer's Certificate of Final Completion for 3rd Street and Wheeler Avenue Intersection Improvements; Paving Project No. 2015-P-2 & Water Main Improvements Project No. 2015-W-3 be approved.

John Collins, PE - City Engineer/Public Works Director

Jeremy L. Jensen – Mayor

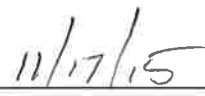
ENGINEER'S CERTIFICATE OF FINAL COMPLETION

Water Main Project 2015-W-3

Water Main Project 2015-W-3 install an 12" diameter ductile-iron water main and related appurtenances within Third Street, between Cedar Street to Pine Street within the City Of Grand Island, NE. The work has been fully completed in accordance with the terms and conditions of the contract and complies with the plans and specifications.



Lynn M. Mayhew, P.E. #E-10661

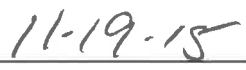


Date

I hereby authorize Water Main Project 2015-W-3 to be incorporation into the City of Grand Island water system.



Tim Luchsinger, Utilities Director



Date

RESOLUTION 2015-334

WHEREAS, the City Engineer/Public Works Director for the City Of Grand Island has issued a Certificate of Completion for 3rd Street and Wheeler Avenue Intersection Improvements; Paving Project No. 2015-P-2 & Water Main Improvements Project No. 2015-W-3, certifying that The Diamond Engineering Company of Grand Island, Nebraska, under contract, has completed the paving 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:

1. The Certificate of Final Completion for 3rd Street and Wheeler Avenue Intersection Improvements; Paving Project No. 2015-P-2 & Water Main Improvements Project No. 2015-W-3, in the amount of \$490,732.05 is hereby confirmed.

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Adopted by the City Council of the City of Grand Island, Nebraska, December 8, 2015.

Jeremy L. Jensen, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
December 4, 2015	☐ City Attorney