



City of Grand Island

Tuesday, September 10, 2019

Council Session

Item G-12

#2019-277 - Approving Certificate of Final Completion for 13th Street Paving Improvements; Project No. 2018-P-1 and 13th Street Water Main Improvements; Project No. 2018-W-5

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

Council Agenda Memo

From: Keith Kurz PE, Assistant Public Works Director

Meeting: September 10, 2019

Subject: Approving Certificate of Final Completion for 13th Street Paving Improvements; Project No. 2018-P-1 and 13th Street Water Main Improvements; Project No. 2018-W-5

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

Background

Blessing Construction of Kearney, Nebraska was awarded a \$1,975,887.43 contract on February 27, 2018, via Resolution No. 2018-58, for the roadway improvements along 13th Street from North Road to Moores Creek, as well as intersection improvements at 13th Street and North Road.

On August 28, 2018, via Resolution No. 2018-256, City Council approved Change Order No. 1 for 13th Street Paving Improvements, which addressed changes that arose in the field once the project was underway. Such work included lowering the waterline near Sagewood Avenue, a new tee for the fire hydrant in the northwest corner of 13th Street and North Road, installation of new fire hydrant near Summerfield Estates, plugs for 18" storm sewer piping extensions in the northeast corner of 13th Street and North Road, excavating and backfilling for the water valve at Sagewood Avenue, potholing for unknown utility conflicts with proposed design utility installation, as well as adding crushed concrete in over-excavated areas where suitable fill had previously been attempted to correct the subgrade issued and failed. The cost associated with Change Order No. 1 was a total of \$25,247.12, resulting in a revised contract amount of \$2,001,134.55.

On December 18, 2018, via Resolution 2018-378, City Council approved Change Order No. 2 for 13th Street Paving Improvements to address line item quantities, completion time extension, as well as liquidated damages the contractor has incurred. Change Order No. 2 resulted in a contract reduction of \$10,179.28, for a revised contract amount of \$1,990,955.27.

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 \$33,338.26, for a total cost of \$1,957,617.01. Additional project costs are shown below.

ADDITIONAL COSTS

Grand Island Public Works- Engineering Services	\$ 34,462.45
Alfred Benesch and Company- Engineering Services	\$ 441,403.13
Hall County Public Works- Section Corners	\$ 400.00
Grand Island Utilities- Bill No. 2790873	\$ 11,241.53
Northwestern Energy- Gas Main Relocation	\$ 15,587.82
Mitchel Pedersen- ROW/Easement Acquisition	\$ 22,868.00
Dorothy Johnson- ROW/Easement Acquisition	\$ 370.72
Floyd Leiser- ROW/Easement Acquisition	\$ 2,409.54
Sandra Leiser- ROW/Easement Acquisition	\$ 1,152.38
Helen Young- ROW/Easement Acquisition	\$ 2,038.88
T & E Cattle Company- ROW Acquisition	\$ 29,287.54
Richard A Cash, LLC- ROW/Easement Acquisition	\$ 3,500.00
Hall County Register of Deeds- Filing Fees	\$ 342.00
Grand Island Independent- Advertising	\$ 320.30

Additional Costs = \$ 565,384.29

Total project cost equates to \$2,523,001.30.

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 13th Street Paving Improvements; Project No. 2018-P-1 and 13th Street Water Main Improvements; Project No. 2018-W-5.

Sample Motion

Move to approve the Certificate of Final Completion.

ENGINEER'S CERTIFICATE OF FINAL COMPLETION

13th Street Paving Improvements; Project No. 2018-P-1 and
13th Street Water Main Improvements; Project No. 2018-W-5
CITY OF GRAND ISLAND, NEBRASKA

September 10, 2019

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

This is to certify that 13th Street Paving Improvements; Project No. 2018-P-1 and 13th Street Water Main Improvements; Project No. 2018-W-5 has been fully completed by Blessing Construction of Kearney, Nebraska under the contract dated March 8, 2018. 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
Paving Bid Section-					
1	MOBILIZATION	1.00	LS	\$ 64,809.00	\$ 64,809.00
2	TRAFFIC CONTROL	1.00	LS	\$ 35,000.00	\$ 35,000.00
3	SWPPP	1.00	LS	\$ 6,500.00	\$ 6,500.00
4	SPRINKLER REPAIR	7.00	LS	\$ 500.00	\$ 3,500.00
5	EARTHWORK	0.98	LS	\$ 31,025.00	\$ 30,404.50
6	OVER-EXCAVATION	25.00	CY	\$ 4.00	\$ 100.00
7	REMOVE ASPHALT PAVEMENT	11,145.00	SY	\$ 5.50	\$ 61,297.50
8	REMOVE CONCRETE PAVEMENT	1,736.00	SY	\$ 5.00	\$ 8,680.00
9	REMOVE CONCRETE SIDEWALK PAVEMENT	38.00	SY	\$ 10.00	\$ 380.00
10	REMOVE CONCRETE FLUME	70.00	LF	\$ 10.00	\$ 700.00
11	REMOVE AND RESET FENCE	15.00	LF	\$ 8.00	\$ 120.00
12	REMOVE AND RESET MAILBOX	1.00	EA	\$ 150.00	\$ 150.00
13	REMOVE TREE	6.00	EA	\$ 850.00	\$ 5,100.00
14	REMOVE AND SALVAGE OVERHEAD FLASHING BEACON	0.00	EA	\$ 790.00	\$ -
15	REMOVE TRAFFIC SIGN	27.00	EA	\$ 100.00	\$ 2,700.00
16	BUILD 9 " CONCRETE PAVEMENT	18,403.90	SY	\$ 43.50	\$ 800,569.65
17	BUILD 9" REINFORCED CONCRETE PAVEMENT	303.90	SY	\$ 64.75	\$ 19,677.53
18	BUILD 9" COLOR IMPRINTED CONCRETE PAVEMENT	743.90	SY	\$ 94.00	\$ 69,926.60
19	BUILD 6" CONCRETE DRIVEWAY	227.70	SY	\$ 44.25	\$ 10,075.73
20	BUILD 5" CONCRETE SIDEWALK	28,241.20	SF	\$ 4.50	\$ 127,085.40

21	BUILD 4" COLOR IMPRINTED CONCRETE PAVEMENT	644.10	SY	\$ 65.50	\$ 42,188.55
22	BUILD ROCK DRIVEWAY	15.50	SY	\$ 20.00	\$ 310.00
23	DETECTABLE WARNING PANEL	302.00	SF	\$ 25.25	\$ 7,625.50
24	6" TEMPORARY SURFACING	920.00	SY	\$ 11.25	\$ 10,350.00
25	ADJUST MANHOLE TO GRADE	3.00	EA	\$ 600.00	\$ 1,800.00
26	CONDUIT RISER	7.00	EA	\$ 1,155.00	\$ 8,085.00
27	BORE 2" SCHEDULE 40 PVC CONDUIT	0.00	LF	\$ 13.75	\$ -
28	BORE 6" SCHEDULE 80 PVC CONDUIT	810.00	LF	\$ 36.75	\$ 29,767.50
29	TRENCH 2" SCHEDULE 40 PVC CONDUIT	1,083.00	LF	\$ 4.75	\$ 5,144.25
30	TRENCH 4" SCHEDULE 80 PVC CONDUIT	282.00	LF	\$ 11.55	\$ 3,257.10
31	TRENCH 6" SCHEDULE 80 PVC CONDUIT	1,950.00	LF	\$ 15.75	\$ 30,712.50
32	BUILD SILT FENCE	511.00	LF	\$ 5.00	\$ 2,555.00
33	BUILD CURB INLET PROTECTION	0.00	EA	\$ 150.00	\$ -
34	TOPSOIL	1,671.00	CY	\$ 3.75	\$ 6,266.25
35	HYDROSEEDING	2.76	AC	\$ 8,700.00	\$ 24,012.00
36	SODDING	2,150.00	SY	\$ 4.50	\$ 9,675.00
37	LANDSCAPING ROCK	531.00	SY	\$ 13.00	\$ 6,903.00
38	LARGE LANDSCAPING ROCK	5.00	EA	\$ 750.00	\$ 3,750.00
Total Bid Section "A" =					\$ 1,439,177.55

Storm Sewer Bid Section-					
39	REMOVE STORM SEWER PIPE	944.00	LF	\$ 10.50	\$ 9,912.00
40	BUILD TYPE "D" MODIFIED CURB INLET	26.00	EA	\$ 2,575.00	\$ 66,950.00
41	BUILD SPECIAL MODIFIED CURB INLET	2.00	EA	\$ 3,095.00	\$ 6,190.00
42	BUILD AREA INLET	5.00	EA	\$ 4,775.00	\$ 23,875.00
43	BUILD SPECIAL AREA INLET	1.00	EA	\$ 3,940.00	\$ 3,940.00
44	BUILD STORM SEWER JUNCTION BOX	9.00	EA	\$ 4,465.00	\$ 40,185.00
45	BUILD SPECIAL STORM SEWER JUNCTION BOX	1.00	EA	\$ 26,250.00	\$ 26,250.00
46	BUILD 18" STORM SEWER PIPE	885.00	LF	\$ 43.25	\$ 38,276.25
47	BUILD 24" STORM SEWER PIPE	525.00	LF	\$ 53.50	\$ 28,087.50
48	BUILD 30" STORM SEWER PIPE	864.00	LF	\$ 66.25	\$ 57,240.00
49	BUILD 36" STORM SEWER PIPE	1,268.00	LF	\$ 84.00	\$ 106,512.00
50	BUILD 15" C.M. CULVERT PIPE	0.00	LF	\$ 42.00	\$ -
51	BUILD 15" FLARED END SECTION	0.00	EA	\$ 315.00	\$ -
52	BUILD 12" CONCRETE PLUG	3.00	EA	\$ 120.75	\$ 362.25
53	WATER-PROOF CURB INLET	11.00	EA	\$ 355.00	\$ 3,905.00
54	WATER-PROOF 18" STORM SEWER PIPE	12.00	LF	\$ 44.50	\$ 534.00
55	WATER-PROOF 36" STORM SEWER PIPE	0.00	LF	\$ 84.00	\$ -
Storm Sewer Bid Section =					\$ 412,219.00

Pavement Markings Bid Section-					
56	4" YELLOW POLYUREA PAVEMENT MARKING, GROOVED	10,294.00	LF	\$ 1.75	\$ 18,014.50
57	12" YELLOW POLYUREA PAVEMENT MARKING, GROOVED	246.00	LF	\$ 6.30	\$ 1,549.80
58	4" WHITE POLYUREA PAVEMENT MARKING, GROOVED	1,343.00	LF	\$ 1.70	\$ 2,283.10
59	8" WHITE POLYUREA PAVEMENT MARKING, GROOVED	402.00	LF	\$ 3.70	\$ 1,487.40
60	12" WHITE POLYUREA PAVEMENT MARKING, GROOVED	54.00	LF	\$ 6.30	\$ 340.20
61	24" WHITE POLYUREA PAVEMENT MARKING, GROOVED	248.00	LF	\$ 23.25	\$ 5,766.00
62	ARROW, PREFORMED PLASTIC PAVEMENT MARKING, TYPE 4, GROOVED	12.00	EA	\$ 367.50	\$ 4,410.00
63	SIGN POST	45.00	EA	\$ 85.00	\$ 3,825.00
64	TRAFFIC SIGN	67.00	EA	\$ 125.00	\$ 8,375.00
65	SOLAR LED FLASHING WIRELESS PEDESTRIAN CROSSING	0.00	EA	\$ 3,250.00	\$ -
Pavement Markings Bid Section =					\$ 46,051.00

Water Main Bid Section-					
1	REMOVE WATER MAIN PIPE	15.00	LF	\$ 10.50	\$ 157.50
2	REMOVE CONCRETE THRUST BLOCK	5.00	EA	\$ 26.50	\$ 132.50
3	REMOVE EXISTING HYDRANT	5.00	EA	\$ 280.00	\$ 1,400.00
4	REMOVE EXISTING VALVE AND BOX	4.00	EA	\$ 394.00	\$ 1,576.00
5	REMOVE EXISTING 90 DEGREE BEND	4.00	EA	\$ 52.50	\$ 210.00
6	INSTALL 6" R.J. DUCTILE IRON PIPE	98.40	LF	\$ 54.75	\$ 5,387.40
7	INSTALL 8" R.J. DUCTILE IRON PIPE	138.00	LF	\$ 56.75	\$ 7,831.50
8	INSTALL 6" RS GATE VALVE AND BOX	0.00	EA	\$ 1,155.00	\$ -
9	INSTALL 16" X 8" TAPPING SLEEVE, VALVE AND BOX	1.00	EA	\$ 5,355.00	\$ 5,355.00
10	INSTALL HYDRANT (COMPLETE)	6.00	EA	\$ 5,145.00	\$ 30,870.00
11	INSTALL 6" RETAINER GLANDS	9.00	EA	\$ 50.40	\$ 453.60
12	INSTALL 8" RETAINER GLANDS	10.00	EA	\$ 61.95	\$ 619.50
13	INSTALL 6" X 45 DEGREE BEND	3.00	EA	\$ 183.75	\$ 551.25
14	INSTALL 8" X 11.25 DEGREE BEND	0.00	EA	\$ 199.50	\$ -
15	INSTALL 8' X 6' TEE	1.00	EA	\$ 372.75	\$ 372.75
16	CONCRETE BLOCKING FOR FITTING	3.50	CY	\$ 262.50	\$ 918.75
17	FIRE HYDRANT BLOCKING	1.20	CY	\$ 147.00	\$ 176.40
18	1" CORPORATION STOP	4.00	EA	\$ 445.00	\$ 1,780.00
19	1" PLUG	4.00	EA	\$ 131.25	\$ 525.00

20	8" PLUG	1.00	EA	\$ 99.75	\$ 99.75
21	ADJUST CURB STOP BOX TO GRADE	0.00	EA	\$ 150.00	\$ -
22	ADJUST 8" VALVE BOX TO GRADE	2.00	EA	\$ 200.00	\$ 400.00
23	ADJUST 12" VALVE BOX TO GRADE	2.00	EA	\$ 225.00	\$ 450.00
24	ADJUST 16" VALVE BOX TO GRADE	5.00	EA	\$ 225.00	\$ 1,125.00
Water Main Bid Section =					\$ 60,391.90

Change Order No. 1-					
CO1-1	FURNISH & INSTALL 12" DIP WATERLINE	63.00	LF	\$ 86.25	\$ 5,433.75
CO1-2	FURNISH & INSTALL 12" DI FITTINGS	5.00	EA	\$ 339.25	\$ 1,696.25
CO1-3	FURNISH & INSTALL 12" RETAINER GLANDS	10.00	EA	\$ 118.45	\$ 1,184.50
CO1-4	FURNISH & INSTALL 8" DI FITTINGS	4.00	EA	\$ 224.25	\$ 897.00
CO1-5	FURNISH & INSTALL 16" DI TEE (CIP) AT ROUNDABOUT FOR FIRE HYDRANT	1.00	LS	\$ 1,518.00	\$ 1,518.00
CO1-6	POTHOLING EXISTING UTILITIES DUE TO UNKNOWN LOCATIONS	13.00	EA	\$ 395.60	\$ 5,142.80
CO1-7	REPLACED 5.5' BURY HYDRANT AT SUMMERFIELD & 13TH WITH PROPER DEPTH	1.00	LS	\$ 759.00	\$ 759.00
CO1-8	EXCAVATE/BACKFILL FOR CITY TO CUT IN VALVE AT SAGEWOOD AVENUE	1.00	EA	\$ 3,352.25	\$ 3,352.25
CO1-9	FURNISH & INSTALL 18" CONCRETE PLUG	2.00	EA	\$ 350.00	\$ 700.00
CO1-10	FURNISH & INSTALL CRUSHED CONCRETE FOR OVER EXCAVATION AREAS	3.00	CY	\$ 35.00	\$ 105.00
CO1-11	ADDITIONAL BOND PREMIUM 1.65%	1.00	LS	\$ 409.82	\$ 409.82
Change Order No. 1 =					\$ 21,198.37

Change Order No. 2-					
CO2-1	FURNISH & INSTALL 18" CONCRETE FLARED END SECTION	2.00	EA	\$ 975.00	\$ 1,950.00
CO2-2	RESTOCKING FEE FOR CMP PIPING	1.00	LS	\$ 1,050.00	\$ 1,050.00
CO2-3	FURNISH & INSTALL 18" CONCRETE COLLAR	1.00	EA	\$ 575.00	\$ 575.00
CO2-4	FURNISH & INSTALL CONCRETE BLOCK RETAINING WALL	1.00	LS	\$ 3,135.00	\$ 3,135.00
CO2-5	ADDITIONAL BOND PREMIUM 1.65%	1.00	LS	\$ 110.72	\$ 110.72
CO2-6	LD FOR 13TH NORTH ROAD INTERSECTION	16.00	DAY	\$ (500.00)	\$ (8,000.00)
CO2-7	LD FOR PHASE 1A & 1B (NOV 12 TO NOV 19)	7.00	DAY	\$ (250.00)	\$ (1,750.00)
CO2-8	LD FOR SUBSTANTIAL COMPLETION DATE (NOV 1 TO NOV 30) ROAD OPEN	29.00	DAY	\$ (250.00)	\$ (7,250.00)
Change Order No. 2 =					\$ (10,179.28)

Sub-Total =	\$ 1,968,858.54
Less Grand Island Utility Bill No. 2790873 =	\$ (11,241.53)
Grand Total =	\$ 1,957,617.01

Additional Costs:

Grand Island Public Works- Engineering Services	\$ 34,462.45
Alfred Benesch and Company- Engineering Services	\$ 441,403.13
Hall County Public Works- Section Corners	\$ 400.00
Grand Island Utilities- Bill No. 2790873	\$ 11,241.53
Northwestern Energy- Gas Main Relocation	\$ 15,587.82
Mitchel Pedersen- ROW/Easement Acquisition	\$ 22,868.00
Dorothy Johnson- ROW/Easement Acquisition	\$ 370.72
Floyd Leiser- ROW/Easement Acquisition	\$ 2,409.54
Sandra Leiser- ROW/Easement Acquisition	\$ 1,152.38
Helen Young- ROW/Easement Acquisition	\$ 2,038.88
T & E Cattle Company- ROW Acquisition	\$ 29,287.54
Richard A Cash, LLC- ROW/Easement Acquisition	\$ 3,500.00
Hall County Register of Deeds- Filing Fees	\$ 342.00
Grand Island Independent- Advertising	\$ 320.30
Additional Costs =	\$ 565,384.29

Grand Total =	\$2,523,001.30
----------------------	-----------------------

I hereby recommend that the Engineer's Certificate of Final Completion for 13th Street Paving Improvements; Project No. 2018-P-1 and 13th Street Water Main Improvements; Project No. 2018-W-5 be approved.

John Collins – City Engineer/Public Works Director

Roger G. Steele – Mayor

RESOLUTION 2019-277

WHEREAS, the City Engineering/Public Works Director for the City of Grand Island issued a Certificate of Final Completion for 13th Street Paving Improvements; Project No. 2018-P-1 and 13th Street Water Main Improvements; Project No. 2018-W-5 certifying that Blessing Construction of Kearney, Nebraska, under contract, has completed such project for the total construction amount of \$1,957,617.01; and

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

WHEREAS, additional project costs equate to \$565,384.29, as shown

Grand Island Public Works- Engineering Services	\$ 34,462.45
Alfred Benesch and Company- Engineering Services	\$ 441,403.13
Hall County Public Works- Section Corners	\$ 400.00
Grand Island Utilities- Bill No. 2790873	\$ 11,241.53
Northwestern Energy- Gas Main Relocation	\$ 15,587.82
Mitchel Pedersen- ROW/Easement Acquisition	\$ 22,868.00
Dorothy Johnson- ROW/Easement Acquisition	\$ 370.72
Floyd Leiser- ROW/Easement Acquisition	\$ 2,409.54
Sandra Leiser- ROW/Easement Acquisition	\$ 1,152.38
Helen Young- ROW/Easement Acquisition	\$ 2,038.88
T & E Cattle Company- ROW Acquisition	\$ 29,287.54
Richard A Cash, LLC- ROW/Easement Acquisition	\$ 3,500.00
Hall County Register of Deeds- Filing Fees	\$ 342.00
Grand Island Independent- Advertising	\$ 320.30

Additional Costs = \$ 565,384.29

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 13th Street Paving Improvements; Project No. 2018-P-1 and 13th Street Water Main Improvements; Project No. 2018-W-5, in the amount of \$2,523,001.30 is hereby confirmed.

- - -

Adopted by the City Council of the City of Grand Island, Nebraska, September 10, 2019.

Roger G. Steele, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
September 6, 2019	☐ City Attorney