



City of Grand Island

Tuesday, May 9, 2017

Council Session

Item G-8

#2017-139 - Approving Certificate of Final Completion for Walk to Walnut Project No. SRTS-40(57)

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

Council Agenda Memo

From: John Collins PE, Public Works Director

Meeting: May 9, 2017

Subject: Approving Certificate of Final Completion for Walk to Walnut Project No. SRTS-40(57)

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

Background

The Walk to Walnut project realigned the main driveway to Walnut Middle School with the intersection of 15th Street and Custer Avenue and allowed for installation of a traffic signal. This project was mostly funded with Safe Routes to School (SRTS) funds authorized by the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A legacy for Users (SAFETEA-LU). These funds were administered by the Nebraska Department of Roads (NDOR).

On June 11, 2013, via Resolution No. 2013-177, The Diamond Engineering Company of Grand Island, Nebraska was awarded a contract for the construction of Walk to Walnut Project No. SRTS-40(57) in the amount of \$337,104.36.

On October 8, 2013, via Resolution No. 2013-333, City Council approved Change Order No. 1, which provided for replacement of deteriorated concrete pavement on Custer Avenue. Change Order No. 1 resulted in a revised contract amount of \$376,263.77.

On October 22, 2013, via Resolution No. 2013-344, City Council approved Change Order No. 2, which provided for placement of additional embankment to cover sandy soil that was under the pavement that was removed at the location of the former driveway. Change Order No. 2 resulted in a revised contract amount of \$384,058.67.

On February 11, 2014, via Resolution No. 2014-23, City Council approved Change Order No. 3, which provided for the subgrade preparation to be paid for by local funds. Change Order No. 3 resulted in a revised contract amount of \$386,010.31.

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 \$372,290.08, which is an underrun of \$13,720.23. Additional project costs are shown below.

ADDITIONAL PROJECT COSTS

Schemmer Associates, Inc.	Preliminary & Construction Engineering	\$ 120,646.67
Utilities	Utilities	\$ 12,647.00

Additional Project Costs = \$133,293.67

Total project costs equate to \$505,583.75.

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 Walk to Walnut Project No. SRTS-40(57).

Sample Motion

Move to approve the Certificate of Final Completion.

ENGINEER'S CERTIFICATE OF FINAL COMPLETION

Walk to Walnut Project No. SRTS-40(57)
CITY OF GRAND ISLAND, NEBRASKA
May 9, 2017

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

This is to certify that Walk to Walnut Project No. SRTS-40(57) has been fully completed by The Diamond Engineering Company of Grand Island, Nebraska under the Resolution No. 2013-177, dated June 11, 2013. 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.

Walk to Walnut Project No. SRTS-40(57)

Item No.	Description	Total Quantity	Unit	Unit Price	Total Cost
Concrete Pavement -					
3075.33	8" Concrete Pavement, Class 47 B-3500	408.60	SY	\$53.50	\$21,860.10
1101.00	Remove Pavement	408.60	SY	\$7.50	\$3,064.50
1101.25	Sawing Pavement	560.45	LF	\$7.50	\$4,203.38
1107.00	Remove Walk	0.00	SY	\$10.50	\$0.00
3016.21	Concrete Class 47-B Sidewalks	0.00	SY	\$45.31	\$0.00
3008.05	Tie Bars	171.00	EA	\$13.23	\$2,262.33
9173.20	Subgrade Preparation	0.00	SY	\$3.88	\$0.00
2.30	Pavement Marking Removal	301.00	LF	\$5.00	\$1,505.00
30.30	Mobilization	1.00	LS	\$4,349.26	\$4,349.26
3008.05	Tie Bars	138.00	EA	\$13.23	\$1,825.74
3014.11	Combination Concrete Class 47B-3500 Curb and Gutter	62.10	LF	\$24.32	\$1,510.27
3016.21	Concrete Class 47B Sidewalks	625.56	SY	\$45.31	\$28,344.21
3016.39	Detectable Warning Panels	88.00	SF	\$47.24	\$4,157.12
3017.40	Concrete Class 47B Median Surfacing	30.55	SY	\$61.18	\$1,868.80
3075.12	6" Concrete Pavement, Class 47B-3500	1,422.04	SY	\$50.85	\$72,310.53
3075.32	8" Concrete Pavement, Class 47B-3500	0.00	SY	\$76.44	\$0.00
7321.00	Type A Sign	40.00	SF	\$37.00	\$1,480.00
7502.14	4" White Preformed Pavement Marking, Type 4, Grooved	381.08	LF	\$3.00	\$1,143.25
7503.14	4" Yellow Preformed Pavement Marking, Type 4, Grooved	1,852.67	LF	\$3.00	\$5,558.00
7508.14	12" White Preformed Pavement Marking, Type 4, Grooved	11.50	LF	\$15.00	\$172.50
7512.14	24" White Preformed Pavement Marking, Type 4, Grooved	230.00	LF	\$25.00	\$5,750.00
9111.00	Water	0.00	MGA L	\$115.47	\$0.00
9173.20	Subgrade Preparation	1,980.43	SY	\$3.88	\$7,684.06
L001.02	Seeding, Type B	0.46	ACR	\$2,000.00	\$920.00
L032.8	Hydromulch	0.75	TON	\$4,000.00	\$3,000.00
3075.32	8" Concrete Pavement, Class 47B-3500	149.79	Sy	\$53.50	\$8,013.93
Concrete Pavement Sub-Total =					\$180,982.99

Grading -					
30.10	Mobilization	1.00	LS	\$9,393.00	\$9,393.00
1000.00	Large Tree Removal	1.00	EA	\$150.00	\$150.00
1009.00	General Clearing and Grubbing	1.00	LS	\$2,700.00	\$2,700.00
1011.00	Water	3.25	MGAL	\$30.00	\$97.59
1016.00	Re-Establish Property Corner	7.00	EA	\$210.00	\$1,470.00
1030.00	Earthwork Measure in Embankment	1,033.00	CY	\$20.00	\$20,660.00
1101.00	Remove Pavement	1,033.38	SY	\$7.50	\$7,750.32
1101.25	Sawing Pavement	698.55	LF	\$7.50	\$5,239.13
1107.00	Remove Walk	388.73	SY	\$10.50	\$4,081.69
1108.00	Remove Combination Curb and Gutter	236.00	LF	\$11.00	\$2,596.00
1123.00	Remove Concrete Ditch Liner	33.16	SY	\$12.00	\$397.87
L006.00	Cover Crop Seeding	0.00	ACR	\$800.00	\$0.00
L019.12	Erosion Control, Class 1C	1,250.00	SY	\$2.00	\$2,500.00
L022.11	Fabric Silt Fence - Low Porosity	0.00	LF	\$4.00	\$0.00
1010.62	Backfill Material	456.00	CY	\$28.87	\$13,164.72
Grading Sub-Total =					\$70,200.31

Culverts -

30.40	Mobilization	1.00	LS	\$1,574.63	\$1,574.63
1090.01	Abandon Manhole	1.00	EA	\$608.86	\$608.86
1119.00	Remove Inlet	1.00	EA	\$514.38	\$514.38
4011.60	Area Inlet	1.00	EA	\$2,353.54	\$2,353.54
4020.26	6" Reinforced Concrete Low Flow Liner	162.22	SY	\$62.05	\$10,065.88
4035.00	Remove Flared End Section	1.00	EA	\$100.00	\$100.00
4043.50	Remove Sewer Pipe	160.00	LF	\$12.00	\$1,920.00
4130.06	Class 47B-3000 Concrete for Pipe Culvert Plug	0.07	CY	\$2,939.31	\$205.75
4230.18	Bar Grate for 18" Concrete Flared End Section	1.00	EA	\$755.82	\$755.82
4230.24	Bar Grate for 24" Concrete Flared End Section	1.00	EA	\$860.80	\$860.80
4460.18	18" Concrete Flared End Section	1.00	EA	\$1,060.25	\$1,060.25
4460.24	24" Concrete Flared End Section	1.00	EA	\$1,270.20	\$1,270.20
Culverts Sub-Total =					\$21,290.11

Electrical -

30.80	Mobilization	1.00	LS	\$3,473.00	\$3,473.00
A001.05	Pull Box, Type PB-2	1.00	EA	\$1,250.00	\$1,250.00
A004.00	Traffic Signal, Type TS-1	6.00	EA	\$795.00	\$4,770.00
A004.04	Traffic Signal, Type TS-1LL	2.00	EA	\$1,275.00	\$2,550.00
A005.50	Traffic Signal Controller, Type NEMA	1.00	EA	\$13,100.00	\$13,100.00
A006.15	Pedestrian Signal, Type PS-1	6.00	EA	\$530.00	\$3,180.00
A006.70	Pedestrian Pushbutton, Type PPB	6.00	EA	\$205.00	\$1,230.00
A007.32	Street lighting Unit	2.00	EA	\$1,865.00	\$3,730.00
A007.38	Radar Vehicle Detector	4.00	EA	\$5,735.00	\$22,940.00
A007.39	Radar Vehicle Detector Communication/Power Cable	332.00	LF	\$1.25	\$415.00
A011.08	Combination Mast Arm Signal and Lighting Pole, Type CMP-25-12	1.00	EA	\$5,140.00	\$5,140.00

A011.40	Combination Mast Arm Signal and Lighting Pole, Type CMP-35-12	1.00	EA	\$5,265.00	\$5,265.00
A014.75	Meter Pedestal	1.00	EA	\$490.00	\$490.00
A016.50	Mast Arm Signal Pole, Type MP-30	1.00	EA	\$3,665.00	\$3,665.00
A016.60	Mast Arm Signal Pole, Type MP-40	1.00	EA	\$5,530.00	\$5,530.00
A070.14	2-inch Conduit in Trench	197.00	LF	\$2.90	\$571.30
A070.18	3-inch Conduit in Trench	140.00	LF	\$4.00	\$560.00
A074.14	2-inch Conduit, Jacked	96.00	LF	\$12.50	\$1,200.00
A074.18	3-inch Conduit, Jacked	96.00	LF	\$14.00	\$1,344.00
A077.13	3/C #14 AWG Traffic Signal Cable	332.00	LF	\$1.20	\$398.40
A077.22	12/C #14 AWG Traffic Signal Cable	332.00	LF	\$2.50	\$830.00
A079.43	#8 Grounding Conductor	519.00	LF	\$0.90	\$467.10
A079.48	Ground Rod	2.00	EA	\$50.00	\$100.00
A079.55	Service Cable	48.00	LF	\$1.25	\$60.00
A080.24	Street Lighting Cable, No. 6 Use	760.00	LF	\$1.25	\$950.00
A819.00	Traffic Signal Cabinet	1.00	EA	\$1,000.00	\$1,000.00
Electrical Sub-Total =					\$84,208.80

General Items -

1.08	Barricade, Type II	1,835.00	Bday	\$0.50	\$917.50
1.10	Barricade, Type III	20.00	Bday	\$7.52	\$150.40
1.90	Sign Day	562.00	EA	\$3.63	\$2,040.06
1.99	Contractor Furnished Sign Day	4.00	EA	\$7.20	\$28.80
2.30	Pavement Marking Removal	0.00	LF	\$5.00	\$0.00
3.10	Flagging	0.00	Day	\$619.35	\$0.00
30.00	Mobilization	1.00	LS	\$3,049.75	\$3,049.75
1017.50	Construction Staking and Surveying	1.00	LS	\$8,500.00	\$8,500.00
9110.01	Rental of Loader, Fully Operated	0.00	HR	\$100.00	\$0.00
9110.03	Rental of Dump Truck, Fully Operated	0.00	HR	\$100.00	\$0.00
9110.07	Rental of Skid Loader, Fully Operated	0.00	HR	\$75.00	\$0.00
9110.27	Rental of Crawler Mounted Hydraulic Excavator, Fully Operated	0.00	HR	\$150.00	\$0.00
L022.75	Temporary Silt Check	0.00	LF	\$4.00	\$0.00
L022.90	Temporary Silt Fence	221.20	LF	\$4.00	\$884.80
	Fuel Adjustment	1.00	LS	\$36.56	\$36.56
General Items Sub-Total =					\$15,607.87
Grand Total =					\$372,290.08

ADDITIONAL PROJECT COSTS

Schemmer Associates, Inc.	Preliminary & Construction Engineering	\$	120,646.67
Utilities	Utilities	\$	12,647.00
Subtotal Additional Project Costs =		\$	133,293.67

Total Costs - \$505,583.75

I hereby recommend that the Engineer's Certificate of Final Completion for Walk to Walnut Project No. SRTS-40(57) be approved.

John Collins, PE - City Engineer/Public Works Director

Jeremy L. Jensen – Mayor

RESOLUTION 2017-139

WHEREAS, the City Engineer/Public Works Director for the City Of Grand Island has issued a Certificate of Completion for Walk to Walnut Project No. SRTS-40(57), 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 Walk to Walnut Project No. SRTS-40(57), in the amount of \$505,583.75 is hereby confirmed.

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Adopted by the City Council of the City of Grand Island, Nebraska, May 9, 2017.

Jeremy L. Jensen, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
May 5, 2017	☐ City Attorney