



City of Grand Island

Tuesday, October 8, 2013

Council Session

Item G-3

#2013-333 - Approving Change Order No. 1 for the Walk to Walnut Safe Routes to School Project

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

Council Agenda Memo

From: Scott Griepenstroh, Project Manager

Meeting: October 8, 2013

Subject: Approving Change Order No. 1 for the Walk to Walnut Safe Routes to School Project

Item #'s: G-3

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

Background

All agreements must be approved by the City Council.

The Walk to Walnut project will realign the main driveway to Walnut Middle School with the intersection of 15th Street and Custer Avenue and install traffic signals. This project is 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 are administered by the Nebraska Department of Road (NDOR).

The new driveway will be constructed through the Custer and Fifteenth Mini-park. A permanent easement was granted to Grand Island Public Schools for the driveway. Traffic signal poles and public sidewalk will be constructed on the edge east of the Minipark at the intersection of the new driveway and Custer Avenue. This project will improve traffic flow by Walnut Middle School, improve safety for students crossing Custer Avenue, and encourage more students to walk and bicycle to school.

The City Council approved the program agreement with the Nebraska Department of Roads for Safe Routes to School Program Funding for the Walk to Walnut Project on August 28, 2007. This project was initially anticipated to be completed in 2008, but changes in Federal Highway funded projects caused significant delays. Increased environmental clearance requirements, most notably the process for converting a portion of the Mini-park to use as a driveway, caused the majority of delays.

The original funding limit for this project was set at \$249,004.00. The funding limit was recently removed and Federal Aid will be used to pay for 100% of the costs for construction, construction engineering and utility relocation. On June 11, 2013, City

Council approved concurrence of the bid award with NDOR to the Diamond Engineering Company for the construction contract of \$337,104.36.

Discussion

As part of the improvement, new pavement marking will be placed on Custer Avenue for left turn movements and crosswalks at the intersection of 15th Street. The concrete pavement for the new school driveway will be connected to pavement on Custer Avenue by embedded reinforcing steel bars. It was determined that concrete pavement at some locations on Custer Avenue was in deteriorated condition and needed to be replaced. In order to expedite work efficiently, Streets Division and Engineering Division staff directed Diamond Engineering to replace the concrete pavement on Custer Avenue that is in deteriorated condition near the intersection. This work was not included in the original construction contract.

Since the bid for the existing concrete pavement item was based on smaller quantities, a lower unit cost was negotiated with Diamond Engineering for the additional concrete pavement replacement work.

Officials from NDOR and the Federal Highway Administration (FHWA) responsible for project oversight determined that only the concrete pavement at the new Custer Avenue crosswalk is eligible for federal funds. The remaining concrete pavement to be replaced was determined to be the responsibility of the City of Grand Island and will be paid for by Capital Improvement Funds.

The approval of Change Order No. 1 for an amount of \$39,159.41 will result in a revised contract price of \$376,263.77. \$8,426.00 of the additional work will be paid for by Federal Safe Routes to Schools funds.

Construction commenced on August 26, 2013. Construction of the new driveway at 15th Street was completed in September; the new driveway was opened to traffic on September 26, 2013. Signal work will not be completed until mid-November due to delays of fabrication and delivery of signal poles.

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 Change Order No. 1 for the Walk to Walnut Safe Routes to School Project.

Sample Motion

Move to approve the resolution.

Nebraska Department of Roads

Date: 9/25/2013

Change Order Report

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Contract ID: 4521Y

Change Order Nbr: 001

Change Order Description: Additional Pavement Reconstruction

CO/SA #: _____ Potential for Design Error/Omission: Yes

Vendor: 0013 THE DIAMOND ENGINEERING COMPANY

Primary Project Information: 42521 000 SRTS-40(57)

Primary Project Location: GRAND ISLAND WALNUT MIDDLE SCHOOL

Contract Desc: GRAC CONC PAVE CULV ELEC

Change Order Approval Date:

Letting Date: 05.23.2013

Change Order Type: SUPPLEMENTAL AGREEMENT

Force Acct ID: 0

Zero Dollar Change Order: N

Project Information: 42521 000 SRTS-40(57)

Project Location: GRAND ISLAND WALNUT MIDDLE SCHOOL

Item Nbr	Catg	Funds	Item Code	Unit	Unit Price	Bid Qty	Total Apprvd Qty	This CO Qty	Amount of Change	
0007	0010	P	1101.00	SY	\$7.50	967.300	967.300	110.000	This Change:	\$825.00
Item Description			Suppl Description			CO Item Description			Prev Revised:	\$0.00
REMOVE PAVEMENT						participating			New Revised:	\$825.00
									Bid Amount:	\$7,254.75
									Revised Total:	\$8,079.75
									Pct Change:	11.37%
0008	0010	P	1101.25	LF	\$7.50	612.000	612.000	131.000	This Change:	\$982.50
Item Description			Suppl Description			CO Item Description			Prev Revised:	\$0.00
SAWING PAVEMENT						participating			New Revised:	\$982.50
									Bid Amount:	\$4,590.00
									Revised Total:	\$5,572.50
									Pct Change:	21.41%
0017	0030	P	3008.05	EACH	\$13.23	213.000	213.000	48.000	This Change:	\$635.04
Item Description			Suppl Description			CO Item Description			Prev Revised:	\$0.00
TIE BARS						participating			New Revised:	\$635.04
									Bid Amount:	\$2,817.99
									Revised Total:	\$3,453.03
									Pct Change:	22.54%
0023	0030	P	3075.32	SY	\$76.44	39.300	39.300	-39.300	This Change:	\$-3,004.09
Item Description			Suppl Description			CO Item Description			Prev Revised:	\$0.00
8" CONCRETE PAVEMENT, CLASS 47B-3500						removed the 8" paving item quantity due to new price			New Revised:	\$-3,004.09
									Bid Amount:	\$3,004.09
									Revised Total:	\$0.00
									Pct Change:	-100.0%
0071	0100	P	0001.08	BDAY	\$0.50	492.000	492.000	2,000.000	This Change:	\$1,000.00
Item Description			Suppl Description			CO Item Description			Prev Revised:	\$0.00
BARRICADE, TYPE II						Added additional type II barricades			New Revised:	\$1,000.00
									Bid Amount:	\$246.00
									Revised Total:	\$1,246.00
									Pct Change:	406.5%

Nebraska Department of Roads

Date: 9/25/2013

Change Order Report

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Contract ID: 4521Y

Change Order Nbr: 001

Change Order Description: Additional Pavement Reconstruction

Project Information: 42521 000 SRTS-40(57)

Project Location: GRAND ISLAND WALNUT MIDDLE SCHOOL

Item Nbr	Catg	Funds	Item Code	Unit	Unit Price	Bid Qty	Total Apprvd Qty	This CO Qty	Amount of Change	
0085	0030	P	3075.32	SY	\$53.50	0.000	0.000	149.300	This Change:	\$7,987.55
Item Description			Suppl Description			CO Item Description			Prev Revised:	\$0.00
8" CONC PVMT, 47B-3500			participating			8" pavement (participating)			New Revised:	\$7,987.55
									Bid Amount:	\$0.00
									Revised Total:	\$7,987.55
									Pct Change:	0.0%
4000	0031	NP	3075.33	SY	\$53.50	0.000	0.000	393.000	This Change:	\$21,025.50
Item Description			Suppl Description			CO Item Description			Prev Revised:	\$0.00
8" CONC PVMT, 47B-3500			non-participating			8" pavement with negotiated price			New Revised:	\$21,025.50
									Bid Amount:	\$0.00
									Revised Total:	\$21,025.50
									Pct Change:	0.0%
4001	0031	NP	1101.00	SY	\$7.50	0.000	0.000	393.000	This Change:	\$2,947.50
Item Description			Suppl Description			CO Item Description			Prev Revised:	\$0.00
REMOVE PAVEMENT			non-participating			Pavement Removal			New Revised:	\$2,947.50
									Bid Amount:	\$0.00
									Revised Total:	\$2,947.50
									Pct Change:	0.0%
4002	0031	NP	1101.25	LF	\$7.50	0.000	0.000	504.000	This Change:	\$3,780.00
Item Description			Suppl Description			CO Item Description			Prev Revised:	\$0.00
SAWING PAVEMENT			non-participating			Sawing			New Revised:	\$3,780.00
									Bid Amount:	\$0.00
									Revised Total:	\$3,780.00
									Pct Change:	0.0%
4003	0031	NP	1107.00	SY	\$10.50	0.000	0.000	15.000	This Change:	\$157.50
Item Description			Suppl Description			CO Item Description			Prev Revised:	\$0.00
REMOVE WALK			non-participating			Remove walk			New Revised:	\$157.50
									Bid Amount:	\$0.00
									Revised Total:	\$157.50
									Pct Change:	0.0%
4004	0031	NP	3016.21	SY	\$45.31	0.000	0.000	15.000	This Change:	\$679.65
Item Description			Suppl Description			CO Item Description			Prev Revised:	\$0.00
CONC 47B-3000 SIDEWALKS			non-participating			Sidewalk			New Revised:	\$679.65
									Bid Amount:	\$0.00
									Revised Total:	\$679.65
									Pct Change:	0.0%

Change Order Report

Contract ID: 4521Y

Change Order Nbr: 001

Change Order Description: Additional Pavement Reconstruction

Project Information: 42521 000 SRTS-40(57)

Project Location: GRAND ISLAND WALNUT MIDDLE SCHOOL

Item Nbr	Catg	Funds	Item Code	Unit	Unit Price	Bid Qty	Total Apprvd Qty	This CO Qty	Amount of Change
4005	0031	NP	3008.05	EACH	\$13.23	0.000	0.000	162.000	This Change: \$2,143.26
<div> <div>Item Description</div> <div>Suppl Description</div> <div>CO Item Description</div> </div> <div> <div>TIE BARS</div> <div>non-participating</div> <div>Tiebars</div> </div>									Prev Revised: \$0.00
									New Revised: \$2,143.26
									Bid Amount: \$0.00
									Revised Total: \$2,143.26
									Pct Change: 0.0%

Total Value for Change Order 001

\$39,159.41

Contract Completion Date Time Adjustment

Original Compl Date:

Adj Compl Date:

Adj No. of Days: 8

We hereby request approval of changes in the plans, specifications, or work not included in the plans or contract, described as follows:

It has been discovered that several locations of the existing pavement along Custer Avenue are in poor condition and will not allow for a sound tie-in for the proposed curb and gutter nor allow for an ADA compliant cross-walk across Custer Avenue. In addition, it is anticipated the proposed crosswalk permanent pavement markings will not hold up long-term because of the pavement conditions. The City of Grand Island is also requesting additional pavement be reconstructed adjacent to the project which isn't required with this project but would provide the City an opportunity to replace aging concrete panels without having to disrupt traffic again by the school in the near future

Attached is a drawing showing the approximate locations of the additional pavement repair locations. The portions of the pavement reconstruction estimated to be eligible for federal reimbursement along with the non-participating pavement reconstruction areas are identified. The participating portion of this change order will include the work required to replace the concrete pavement where the crosswalk is to be placed crossing Custer Avenue. The remaining pavement reconstruction contained in this change order are non-participating.

Actual locations will be marked by the construction engineer. Existing unit prices for the items contained within this change order will be used except for the price for 8-inch concrete pavement. Due to the significant quantity increase in 8-inch pavement, an updated unit price was requested from the contractor. The contractor provided a unit price of \$53.50/SY compared to the original contract unit price of \$76.44/SY. This new price compares favorably to recent projects bid with similar quantities of 8-inch paving.

FHWA has reviewed the content in the change order.

The agreed unit price(s) shall be full compensation for all material, labor equipment, tools and incidentals necessary to complete the work.

Due to the requirement to phase the construction of the 8-inch concrete pavement crossing the entire width of Custer Avenue and to allow for cure time and traffic shifts, it is estimated that 8 additional working days are added to the project.

Nebraska Department of Roads
Change Order Report

Date: 9/25/2013

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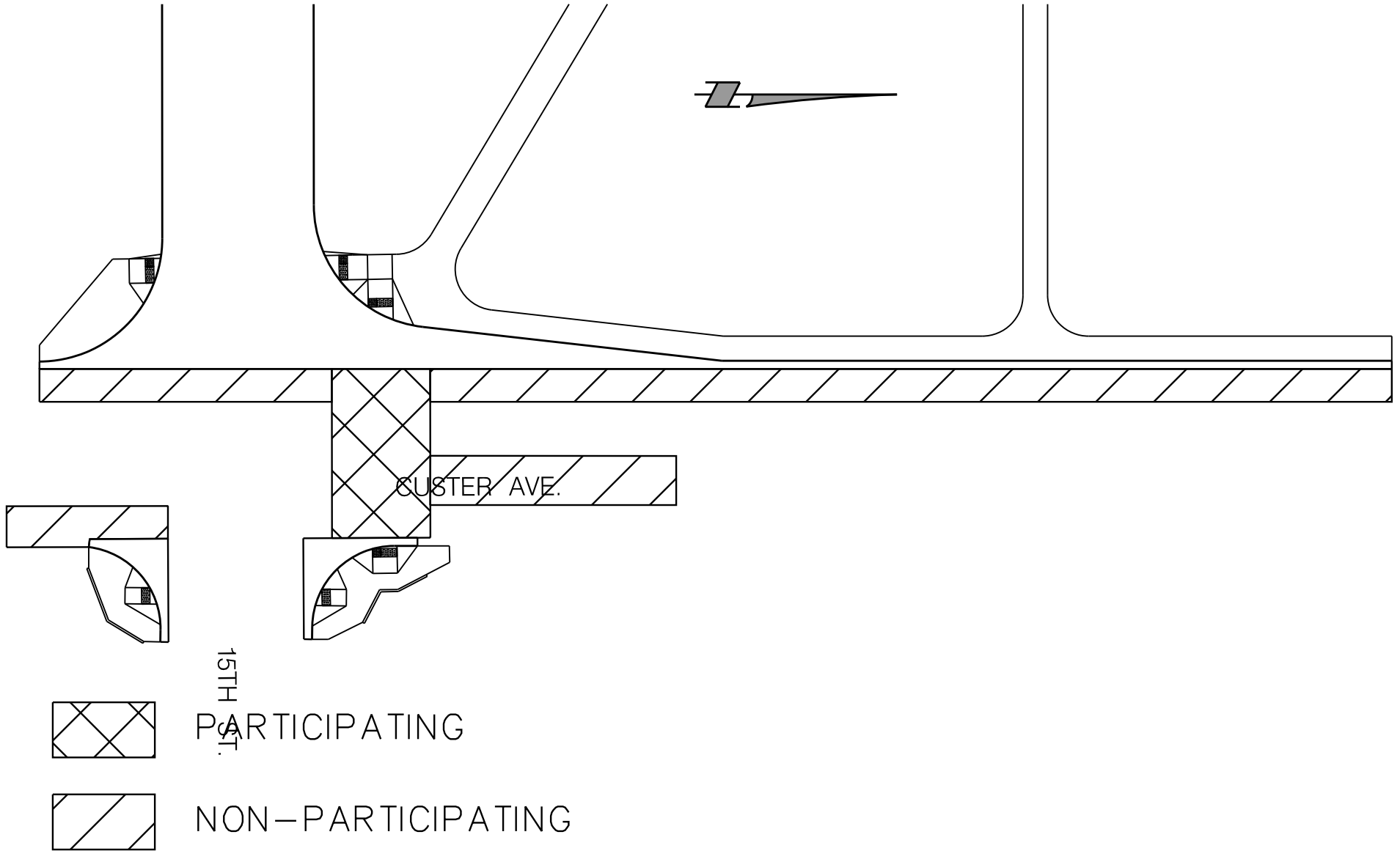
Contract ID: 4521Y Change Order Nbr: 001
Change Order Description: Additional Pavement Reconstruction

Change Order Signature Page

Project Manager	Date	LPA Responsible Charge	Date
State Representative	Date	District Engineer	Date
Contractor name and title	Date	FHWA	Date

JAY VAVRICEK, MAYOR DATE

RANAE EDWARDS, CITY CLERK DATE



RESOLUTION 2013-333

WHEREAS, on June 11, 2013, by Resolution 2013-177, the City Council of the City of Grand Island approved concurrence of bid award with the Nebraska Department of Roads to the Diamond Engineering Company of Grand Island, Nebraska, for the bid in the amount of \$337,104.36 for the Walk to Walnut Safe Routes to School Project; and

WHEREAS, it has been determined that additional work is necessary to complete such project; and

WHEREAS, such modifications have been incorporated into Change Order No. 1; and

WHEREAS, the result of such modifications will increase the contract amount by \$39,159.41 for a revised contract price of \$376,263.77; and

WHEREAS, \$8,426.00 of the additional work is eligible to be paid by Federal Safe Routes to Schools Funds.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the Mayor be, and hereby is, authorized and directed to execute Change Order No. 1 between the City of Grand Island and The Diamond Engineering Company of Grand Island, Nebraska on the Walk to Walnut Safe Routes to School project.

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Adopted by the City Council of the City of Grand Island, Nebraska, October 8, 2013.

Jay Vavricek, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
October 4, 2013	☐ City Attorney