



City of Grand Island

Tuesday, February 24, 2015

Council Session

Item G-15

**#2015-54 - Approving Change Order No. 1 for Faidley Avenue
Paving Improvements; Project No. 2014-P-1 & Faidley Avenue
Water Improvements; Project No. 2014-W-14**

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

Council Agenda Memo

From: Terry Brown PE, Assistant Public Works Director

Meeting: February 24, 2015

Subject: Approving Change Order No. 1 for Faidley Avenue Paving Improvements; Project No. 2014-P-1 & Faidley Avenue Water Improvements; Project No. 2014-W-14

Item #'s: G-15

Presenter(s): John Collins, Public Works Director

Background

The Diamond Engineering Co. of Grand Island, Nebraska was awarded a \$925,292.70 contract by the City Council on September 23, 2014 for Faidley Avenue Paving Improvements; Project No. 2014-P-1 and Faidley Avenue Water Improvements; Project No. 2014-W-14.

This project will extend paving to join the two (2) existing segments of Faidley Avenue, between North Road and Irongate Avenue. In order to accommodate storm sewer for this project it is necessary to lower the water main in this area.

Discussion

Public Works Administration is requesting Change Order No. 1 for Faidley Avenue Paving Improvements; Project No. 2014-P-1 and Faidley Avenue Water Improvements; Project No. 2014-W-14, which will allow for grading to remedy poor drainage of Moores Creek from Old Potash Highway to the proposed Faidley Avenue, correction of a concrete outfall structure which drains into Moore's Creek that was not found during the survey for the project, modifications to storm sewer connections to existing structures and allow for a sleeve that is needed to account for misshaped pipe that was encountered during the water main lowering.

The estimated cost for the additional work is detailed below.

Item No.	Description	Quantities	Units	Unit Price	Total Cost
CO1-1	MOORES CREEK EXCAVATION	1801.00	CY	\$ 12.87	\$ 23,178.87
CO1-2	REMOVE EROSION CONTROL, CLASS 1D	796.00	SY	\$ 1.32	\$ 1,050.72
CO1-3	EROSION CONTROL, CLASS 1D	4734.00	SY	\$ 2.09	\$ 9,894.06
CO1-4	REMOVE & SALVAGE 48" RCP FES	4.00	EA	\$ 356.95	\$ 1,427.80
CO1-5	REMOVE & SALVAGE 48" RCP FES	214.00	LF	\$ 20.08	\$ 4,297.12
CO1-6	6" REINF. CONC. OUTFALL STRUCTURE AT STA. 324+90	1.00	LS	\$ 3,000.00	\$ 3,000.00
CO1-7	TAP EXISTING MANHOLE	1.00	LS	\$ 1,325.00	\$ 1,325.00
CO1-8	30" ROUND EQUIVALENT REINFORCED CONCRETE STORM SEWER PIPE, CLASS III	14.00	LF	\$ 130.00	\$ 1,820.00
CO1-9	BUILD 30" ROUND EQUIVALENT REINFORCED CONCRETE COLLAR	1.00	EA	\$ 835.00	\$ 835.00
CO1-10	24" M.J. SOLID SLEEVE	1.00	EA	\$ 2,200.00	\$ 2,200.00
					\$ 49,028.57

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

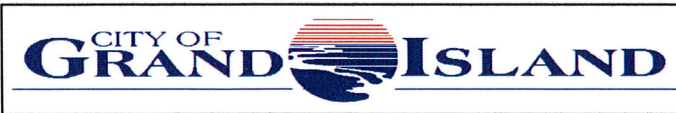
1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to future date
4. Take no action on the issue

Recommendation

City Administration recommends that the Council approve Change Order No. 1 for Faidley Avenue Paving Improvements; Project No. 2014-P-1 and Faidley Avenue Water Improvements; Project No. 2014-W-14.

Sample Motion

Move to approve the resolution.



City of Grand Island
100 East 1st Street
Grand Island, NE 68801

Project: Faidley Avenue Paving and Water Improvements (No. 2014-P-1 & 2014-W-14)

Contractor:
The Diamond Engineering Co.
PO Box 1327
Grand Island, NE 68802-1327

CHANGE ORDER NO. 1
Date of Issuance: 2/17/2015
Contract Date: 9/23/2014

Item No.	Description	Quantities	Units	Unit Price	Total Cost
CO1-1	MOORES CREEK EXCAVATION	1,801.00	CY	\$12.87	\$ 23,178.87
CO1-2	REMOVE EROSION CONTROL, CLASS 1D	796.00	SY	\$1.32	\$ 1,050.72
CO1-3	EROSION CONTROL, CLASS 1D	4,734.00	SY	\$2.09	\$ 9,894.06
CO1-4	REMOVE & SALVAGE 48" RCP FES	4.00	EA	\$356.95	\$ 1,427.80
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CO1-10	24" M.J. SOLID SLEEVE	1.00	EA	\$2,200.00	\$ 2,200.00

TOTAL - CHANGE ORDER NO. 1 **\$ 49,028.57**

Contractor Price Prior to This Change Order **\$ 925,292.70**
Net Increase/Decrease Resulting from this Change Order **\$ 49,028.57**
Revised Contract Price Including this Change Order **\$ 974,321.27**

1) **DESCRIPTION OF CHANGE(S) TO BE MADE**

1. Remove erosion control matting, re-grade Moore's Creek ditch from the south inlet of the twin 48" RCP FESs at Faidley Avenue to the existing field drive adjacent to Sandalwood Drive and install new seeding & erosion control; remove the driveway, the existing twin 48" RCPs and FESs at the field driveway and deliver/unload to the land owner; grade Moore's Creek ditch from the existing twin 48" RCP FESs near Old Potash Highway to the removed field drive and install seeding and erosion control.
2. Remove the ends of the existing concrete outfall structure from both sides of the channel (45') at Sta. 324+90 and replace with a Reinforced Concrete Outfall Structure to match the flowline of the improved drainageway.
3. Direct tap existing manhole at Sta. 102+26 with storm sewer run #11. Construct Pipe Run #20 with 30" equivalent pipe and construct concrete collar connection to existing elliptical at approx. Sta. 102+65.
4. Install a 24" Solid Sleeve to complete the connection for the lowering of the existing 24" water main at Sta. 251+50.

2) **REASONS FOR ORDERING CHANGE**

1. The original construction plans provided positive drainage from the field drive to the north end of the project. It was determined in the field by the City that the ditch did not provide positive drainage from Old Potash Hwy to the existing field drive. The revised construction plans will provide positive drainage from Old Potash Hwy to the existing field drive and continue north to Faidley Ave.
2. On 11-13-2014, Hooker Brothers found an existing 6" thick by 8' wide concrete outfall structure draining into Moore's Creek at Sta. 324+90. The concrete outfall structure was buried under sediment and was not identified with the initial topographic survey. The proposed Moore's Creek flowline elevation at Sta. 324+90 is approximately 1 foot lower than the existing concrete outfall structure. Grading to achieve the design elevations for the drainageway required that the outfall structure be removed and replaced at an elevation to accommodate the drainageway improvements.
3. On 1-23-2015, Diamond Engineering determined existing conditions in the field would allow a direct tap of the existing manhole with the proposed 30" storm sewer at Sta. 102+26 in lieu of remove and replace. It was also determined that the existing pipe for connection of pipe run #20 at approx. sta. 102+65 was arch and not round as previously believed during design. New items have been added to address these changes.
4. A solid sleeve connection was determined to be necessary in the field to complete the water main lowering due to an elliptical shape of the existing 24" water main.

Approval Recommended:

By _____

John Collins, Public Works Director

Date _____

The Above Change Order Accepted:

THE DIAMOND ENGINEERING CO.

Contractor

By James H. Hadden

Date 2-17-15

Approved for the City of Grand Island:

By _____

Jeremy L. Jensen, Mayor

Attest _____

RaNae Edwards, City Clerk

Date _____

RESOLUTION 2015-54

WHEREAS, on September 23, 2014, by Resolution 2014-297, the City of Grand Island awarded The Diamond Engineering Co. of Grand Island, Nebraska the bid in the amount of \$925,292.70 for Faidley Avenue Paving Improvements; Project No. 2014-P-1 and Faidley Avenue Water Improvements; Project No. 2014-W-14; and

WHEREAS, it has been determined that modifications to the work to be performed by The Diamond Engineering Co. are necessary; 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 \$49,028.57 for a revised contract price of \$974,321.27.

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 Co. of Grand Island, Nebraska to provide the modifications.

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Adopted by the City Council of the City of Grand Island, Nebraska, February 24, 2015.

Jeremy L. Jensen, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
February 20, 2015	☐ City Attorney