F4a

City of Hiawatha

Engineering Department

101 Emmons St., Hiawatha Iowa, 52233-1697
PHONE (319) 393-1515 ext. 511 FAX (319) 393-1516

To: **Mayor and City Council** **Date:** **August 11, 2016**

From: John C Bender PE, City Engineer

Re: **Emmons Street/NCPR/Robins Road Phase I Utility Project**

Description: **Change Order #1 and Change Order #2**

Report:

Attached you will find the description of Change Order #1 and Change Order #2. The following description outlines the items covered:

Change Order #1: This includes a number of items we discovered as we started the project. The additional sanitary manhole was required in order to realign the sewer to miss the existing traffic signal. We changed the Phase II construction staging plan to allow work on North Center Point Road only. We now plan to reopen Robins Road with the existing traffic signal operating until next spring. This required a change in the Phase I sewer plans.

The other major cost was the addition of a large electrical vault in the SE corner of the new intersection. Alliant did not request this vault until very late in the bidding process. Alliant provided the vault, but our contractor needed considerable work to install the vault that was not planned. During discussions with Alliant, they have agreed to consider reimbursing the City for a portion of this $11,100.00 additional cost for the vault installation.

Change Order #2: This change order is a no-cost change. The plans called for an open trench across North Center Point Road for the franchise utility trench construction. The contractor proposed boring a casing pipe under the street for the same cost as the open trench plan. We will delete the items for the open trench construction and add the cost for boring an 18'" pipe under the street. The total cost will be $0.00.

Engineering recommends approval of change order No 1 in the amount of $13,380.00 and change order #2 for $0.00.

If you need any further information, please let me know.

CHANGE ORDER NO. 1

PROJECT: EMMONS STREET/NORTH CENTER POINT ROAD/ROBINS ROAD INTERSECTION IMPROVEMENTS PHASE I-UTILITY PACKAGE

DATE: May 17, 2016

CONTRACTOR: Ricklefs Excavating, Ltd
Anamosa, Iowa

ORIGINAL CONTRACT AMOUNT: $ 810,269.93

ORIGINAL CONTRACT COMPLETION DATE: August 19, 2016

ITEM #2: **INCREASE AMOUNT FOR CONSTRUCTION SURVEY**

There is a lump sum bid item for construction survey, however three plan sheets of the franchise utility trench staking were not supplied to the contractor that indicated additional staking required. Increase lump sum item #2 for construction survey $1,800.00.

ITEM #6: **INCREASE AMOUNT FOR TRAFFIC CONTROL**

There is a lump sum bid item for traffic control signs. Local businesses experienced many residents traveling through private property to avoid the established detour. Add more directional signs and detour signs to help prevent private property from experiencing detour traffic. Increase lump sum item #6 for traffic control $950.00.

ITEM #24: **DECREASE REMOVAL OF TRAFFIC SIGNAL**

Due to changing the staging plan for the Phase II roadway package, the existing traffic signal must remain operational until the Phase II roadway package installs a new traffic signal. A lump sum item for removal of traffic signal is no longer needed. Decrease lump sum item #24 $7,000.00.

ITEM #34: **INCREASE NUMBER OF SANITARY SEWER MANHOLES SW301, 48"**

Due to changing the staging plan for the Phase II roadway package, the existing traffic signal must remain operational until the Phase II roadway package installs a new traffic signal. The new sanitary sewer needs to be realigned to miss the existing traffic light pole. One additional sanitary manhole needs to be installed to realign the sewer. Increase item #34 by one manhole or $4000.00.

ITEM #62: **DECREASE FRANCHISE UTILITY HANDHOLES**

Alliant Energy has requested a new electrical vault be installed at the SE corner of the NCPR/ Robins Road intersection. This new manhole is 8 feet long and 8 feet wide and 12 feet deep. The original bid had a standard franchise utility handhole. Reduce one franchise utility handhole. Cost reduction $800.00.

ITEM #1.1: **ADD NEW ITEM-Electrical Vault Installation**

Alliant Energy has requested a new electrical vault be installed at the SE corner of the NCPR/ Robins Road intersection. This new vault is 8 feet long and 8 feet wide and 12 feet deep. The original bid had a standard franchise utility manhole. Alliant will supply vault. Add extra excavation and shoring and dewatering to install this new electrical vault. Lump sum cost equipment and labor $11,100.00.

ITEM #1.2: **ADD NEW ITEM-Sanitary sewer manhole installation and by-pass connection**

Due to changing the staging plan for the Phase II roadway package, the existing traffic signal must remain operational until the Phase II roadway package installs a new traffic signal. The new sanitary sewer needs to be realigned to miss the existing traffic light. Additional equipment and labor was required to install new manhole and connect by-pass sanitary sewer to allow existing sewer to remain operational until Oak Street residents are rerouted. Lump sum cost equipment and labor $2,610.00

ITEM #1.3: **ADD NEW ITEM-Remove storm sewer and temporary storm sewer installation**

Water main and franchise utility trench installation at station 23+00 to 24+00 on North Center Point Road was in conflict with the existing storm sewer. Remove existing storm sewer and install temporary storm sewer to keep sewer operational until Phase II contract replaces storm sewer system. Lump sum cost $720.00.

CHANGES IN SCHEDULE: Due to the additional work, add one week to contract completion date. New completion date is August 29th, 2016.

CHANGE ORDER No. 1 SUMMARY:

Item No.	Description	Unit	Unit Price	Quantity	Total Amount
2	Construction staking	LS	$1,800.00	1	$1,800.00
6	Traffic Control	LS	$950.00	1	$950.00
24	Remove traffic signal removal(omit)	LS	$7,000.00	1	$7,000.00
34	Sanitary sewer manholes	LS	$4,000.00	1	$4,000.00
62	Franchise Utility Handhole (omit)	LS	$800.00	1	$800.00
1.1	Electrical Vault Installation	LS	$11,100.00	1	$11,100.00
1.2	Manhole labor, by-pass sewer connection	LS	$2,610.00	1	$2,610.00
1.3	50 LF 12" HDPE temporary storm sewer	LS	$720.00	1	$720.00
				Subtotal:	$13,380.00

Additional Change Order No.1 Cost: $13,380.00

Ricklefs Excavating, Ltd.

By: _____

Title: Project Manager

Date: 8/11/16

Attest

By: _____

Title: _____

Date: _____

City of Hiawatha, Iowa

By: _____

Title: _____

Date: _____

DRAFT

RESOLUTION NO. 16-
City Council

RESOLUTION APPROVING CHANGE ORDER #1
FY 2015-2017 Emmons Street/North Center Point Road/Robins Road Intersection Improvements Project
(Project #2151330)

WHEREAS, the City Council of the City of Hiawatha, Iowa, has contracted for the FY 2015-2017 Emmons Street/North Center Point Road/Robins Road Intersection Improvements Project with Ricklefs Excavating, Ltd. of Anamosa, Iowa, and

WHEREAS, the City Engineer has recommended Change Order #1 for adjustment of contract quantities with an increase of $13,380.00, bringing the total revised contract amount to $823,649.93, for the FY 2015-2017 Emmons Street/North Center Point Road/Robins Road Intersection Improvements Project, and

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HIAWATHA, IOWA, to approve Change Order #1 for the FY 2015-2017 Emmons Street/North Center Point Road/Robins Road Intersection Improvements Project with an increase in contract amount of $13,380.00, resulting in a revised total project contract amount of $823,649.93.

AYES:
NAYS:
ABSENT:

PASSED AND APPROVED this 17th day of August, 2016.

_____
Bill Bennett, Mayor

ATTEST:

_____
Kelly Kornegor, City Clerk