



ITEM 11H

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Muscatine, IA 52761-5040
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Public Works

City Transit
263-8152

MEMORANDUM

Equipment Maintenance
Roadway Maintenance
Collection & Drainage
Building & Grounds
Engineering

To: Randy Hill, Public Works Director
FROM: Jon Lutz, City Engineer
DATE: June 2, 2014
RE: Change Order 2 – Colorado Street Reconstruction Project

INTRODUCTION:

The City of Muscatine is reconstructing Colorado Street from Park Ave. to University Drive under contract with Heuer Construction. The northbound right turn lane from Park Ave to Colorado was designed as new concrete with asphalt surfacing. For longer life, decreased construction time, and less testing costs the lane is proposed to be full depth concrete without asphalt. Iowa DOT local maintenance concurred with this proposal.

BACKGROUND:

A detailed description of all items included in this change are included on the attached change order 2 and ITC #2. Cost for change order 2 are item increases of \$32,302.00 and item decreases of 33,540.00 yielding a net decrease of \$1,238.00. MPW will fund a \$1,752.00 pavement patch included in the change order. Therefore the net effect on the City is a decrease of \$2,990.00.

RECOMMENDATION/RATIONALE:

The City Engineer recommends approving Change order #2 for a decreased contract amount of \$1238.00.

BACKUP INFORMATION:

1. Change Order 2
2. ITC #2



Iowa Department of Transportation

Change Order

Non-Substantial:

Part

Non-Part

☐
☒

No. 002

Substantial:

☐
☐

Concurrence Date

Contract

Accounting ID No.: 70-5330-616

County Muscatine

Project No: STP-U-5330(616)--70-70

Kind of Work: PCC PVMT-GRADE AND REPLACE

Date Prepared: 4/30/2014

Contractor: HEUER CONSTRUCTION

You are hereby authorized to make the following changes to the contract documents.

A - Description of change to be made or extra work to be done:

WORK IS COVERED BY ITC #2 ATTACHED. REVISION TO WHAT AND HOW THE RIGHT TURN LANE WILL BE CONSTRUCTED. ALSO THE WATER MAIN WORK REQUIRED A SMALL PIECE OF THE EAST LANE OF PARK AVE. TO BE REMOVED FOR THE TIE IN TO THE 6" WATERMAIN. THIS WAS PATCHED WITH M-4 MIX AND IS ANOTHER ADDITIONAL PAY ITEM THAT NEEDS TO BE ADDED TO THE CONTRACT. THIS PATCH WAS SOLELY DUE TO THE WATERMAIN WORK ADDED TO THE CONTRACT AND IS A NON-PARTICIPATING ITEM OF WORK. ASPHALT BINDER IS INCLUDED INTO THE PER TON PRICE OF THE ASPHALT TAPER ALONG WITH MILLING AND REMOVAL OF MATERIAL GENERATED BY THE ASPHALT TAPER. SAW CUTTING AND PAVEMENT REMOVAL ARE INCLUDED IN THE PRICE FOR THE M-4 PATCH.

THIS CHANGE WILL NOT AFFECT THE NUMBER OF WORKING DAYS NEEDED TO ACCOMPLISH THE WORK.

B - Reason for change or extra work:

THE DESIGN CALLED FOR A CONCRETE BASE AND AN ASPHALT WEARING COURSE FOR THE RIGHT HAND TURN LANE CONSTRUCTION. CITY PREFERENCE WAS TO ELIMINATE THE ASPHALT TO REDUCE COSTS OF TESTING AGENCY TIME AND TESTS. DISCUSSION WITH MUSC. MAINT. GARAGE OF IDOT INDICATED THAT A FULL DEPTH CONCRETE TURING LANE WOULD BE ACCEPTABLE.

ALSO, THE ADDITIONAL WATERMAIN WORK ADDED TO THE CONTRACT CREATED THE NEED TO REMOVE A PATCH OF THE PARK AVE. EXISTING PAVEMENT. THIS WAS PUT BACK AS AN M-4 MIX TO FACILITATE AN EARLY OPENING TO TRAFFIC AND A UNIT PRICE IS NEEDED TO PAY FOR THIS PATCHING.

THIS CHANGE CONTAINS ITEMS THAT WERE NOT ANTICIPATED IN THE ORIGINAL CONTRACT AND THIS CHANGE ORDER COVERS PROVIDING UNIT PRICES FOR THE ADDITIONAL ITEMS OF WORK AND ELIMINATING THE BID ITEMS THAT WILL NO LONGER BE REQUIRED THIS CHANGE DOES RESULT IN A COST SAVING TO THE CONTRACT.

(Continued on reverse side)

Approved

District Construction Engineer

Date

Project Engineer

5/28/2014
Date

Receipt is acknowledged of this change or extra work and terms of settlement are hereby agreed to.

5/27/2014

Approved contingent upon funds being available under the existing project agreement or upon additional Federal-aid funds being made available by a modified project agreement.

HEUER CONST. INC.

Contractor

By

5-27-14
Date

Date

For the Division Administrator
Federal Highway Administration

Approved

Assistant Construction Engineer

Date

DISTRIBUTION: Project Engineer - Forward original to District.
District - Nonsubstantial - Forward original and one copy to the Office of Construction and two copies back to the Project Engineer.
- Substantial - Forward original and two copies to the Office of Construction.

Accounting ID No.

1 2 3 4 5 6

C-1 –Settlement for cost of work to be made as follows:

Change Order No. 002

OUTLINED IN ATTACHED HEUER CONST. ITC #2 DOCUMENT DATED 2/14/14.

C-2 – Justification for cost(s) ITEM 8003 IS SIMILAR TO A PCC SHOULDER ADDED ONTO AN EXISTING SLAB. COMPARABLE PRICES FOR 12 PCC SHOULDER RANGE FROM A HIGH OF \$132.31/SY TO A LOW OF \$68.00/SY. ITEM 8004 WHERE A TWO FOOT PATH IS MILLED UP 4 IN. DEEP AND HMA IS PLACED IN THIS PATCH DOES NOT HAVE A COMPARABLE THAT CAN BE LOCATED. ITEM 8005 WAS ONE PATCH THAT INCLUDED SAW CUTTING, PAVMT REMOVAL, DRILLING AND PLACING REBAR AND PCC M-4 MIX. THE COST WAS DETERMINED BY TRACKING ACTUAL COSTS AND LABOR EXPENSES.

D – ITEMS INCLUDED IN CONTRACT

Change No.	Line Item Number	Unit Price .xxx	If Credit Add "CR" Quantity .xxx	Amount .xx
7 001	0160	44.000	400.000 CR	-17,600.00
7 002	0170	175.000	38.000 CR	-6,650.00
7 003	0180	175.000	38.000 CR	-6650.00
7 004	0190	600.000	4.400 CR	-2640.00
7				
7				
7				
TOTAL				-33,540

E – ITEMS NOT INCLUDED IN CONTRACT

Change No.	Item Description	Item Number	Function Code	Unit Price .xxx	If Credit, Add "CR" Quantity .xxx	Amount .xx
8003	Add item for "PCC PAVEMENT WIDENING, 12" SQUARE YARD	2302-1200120		67.000	400.000	26,800.00
8004	Add item for "ASPHALT TAPER, 24" x 4" LUMP SUM			3750.000	1.000	3,750.00
8005	Add item for PCC PATCH 12' THICK, M-4 MIX, LUMP SUM			1752.000	1.000	1,752.00
8						
8						
8						
8						
TOTAL						32,302.00

INSTRUCTION TO CONTRACTOR

ITC #2



Colorado Street Re-Construction

Park Avenue to University Drive

IDOT Project No: STP-U-5330(616)—70-70

SHPE No. 13381/10015

Title: Park Ave Section Revisions

Date: January 30, 2014

The following instruction is issued to:

- ☐ Clarify contract documents and/or procedures
- ☒ Request a Change Authorization Request for Owner's further consideration
- ☒ Transmit documents for incorporation into the contract, subject to the last paragraph below.
- ☐ Respond to Contractor's RFI No. ____.

Description of Instruction:

Construct Park Avenue turning lane with 12-inch PCC pavement instead of 8-inch PVC with 4-inch HMA overlay as previously shown. Mill and overlay a 24-inch wide taper adjacent to the 12-inch PCC pavement to provide a straight and even edge. See revised Park Avenue Typical Roadway Section on included revised Sheet B.03.

Robert W. Tobin

Name: *Robert W. Tobin*

Title: *Civil Engineer*

1 / 31 / 14

Date

If, in your opinion, this instruction involves work which either increases or decreases the Contract sum or Contract time you shall not proceed until you submit a Change Authorization Request and receive Owner's approval to proceed with the work.