



City of Muscatine



AGENDA ITEM SUMMARY

City Council

DATE:

August 19, 2021

STAFF

Pat Lynch, City Engineer

SUBJECT

Approval of Change Order #1 for the Park Avenue 4 to 3 Lane Conversion Project Contract with Manatts, Inc. for the amount of \$26,093.45.

EXECUTIVE SUMMARY

Staff recommends Council approve Change Order #1 for the Park Avenue 4 to 3 Lane Conversion Project Contract with Manatts, Inc. This change order covers a number of minor changes to the contract. The cost for this project was estimated to be \$2,284,476.07. The awarded contract amount was \$1,974,378.96. Upon approval of Change Order #1, the Revised Project Amount will be \$2,000,472.41.

STAFF RECOMMENDATION

Staff recommends Council approve Change Order #1 for the Park Avenue 4 to 3 Lane Conversion Project Contract with Manatts, Inc. for an increase of \$26,093.45.

BACKGROUND/DISCUSSION

This project will convert Park Avenue from a narrow 4 lane roadway to a safer 3 lane configuration. The project limits are from the Mad Creek bridge on 2nd Street to the Harrison Street intersection with Park Avenue. This change order covers a number of minor changes to the contract. The changes are as follows:

- The scope of work for signalization changed at the Hwy 92 and 2nd Street intersection
- The scope of work for signalization changed at the Park Ave and 5th Street intersection
- Added pay item for mobilization for additional drilled shaft installation for signal foundation
- Added a pay item for entrance bollards at intersection of Hwy 92 and 2nd Street intersection
- Added a pay item for HMA pavement samples
- Added pay item for additional conduit boring for signals since existing conduit could not be used
- Added pay item for flaggers

CITY FINANCIAL IMPACT

The budget is available to complete these projects from identified sources. The cost for this project was estimated to be \$2,284,476.07. The awarded contract amount was \$1,974,378.96. Upon approval of Change Order #1, the Revised Project Amount will be \$2,000,472.41. A portion of this project will be reimbursed by MP&W for the traffic signal work. The City will also receive \$1,297,714 through four different State funding sources (USTEP, DOT 3R, DOT ADA, and TSIP).

ATTACHMENTS

- Change Order #1

CHANGE ORDER
For Local Public Agency Projects

No.: 1

Non-Substantial:

Substantial:

Administering Office
Concurrence Date

Accounting ID No. (5-digit number):36964

Project Number: STPN-038-1(15)--2J-70

Contract Work Type: HMA Resurfacing with Milling

Local Public Agency: City of Muscatine

Contractor: Manatts, Inc.

Date Prepared: July 27, 2021

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

A - Description of change to be made:

0220 - Delete item "Traffic Signalization E 2nd and Hwy 92". (-0.50 Lump Sum, Division 2; -0.50 Lump Sum, Division 3)

0240 - Delete item "Traffic Signalization Park Ave and E 5th St". (-0.50 Lump Sum, Division 2; -0.50 Lump Sum, Division 3)

8001 - Add item "Additional Mobilization for Drilled Shaft Installation" Perform work per Standard Specificatino 2533. Method of Measurement: Item will not be measured separately for payment. Basis of Payment: Lump Sum. (0.50 Lump Sum, Division 2; 0.50 Lump Sum, Division 3)

8002 - Add item "Entrance Bollards". Install bollards per the attached detail from the City of Muscatine Project No. STBG-SWAP-5330(627)--SG-70, with the exception that the sleeves will be yellow in lieu of black. Method of Measurement: By count for each bollard installed. Basis of payment: Contract unit price per each bollard installed. (Division 4)

8003 - Add item "HMA Pavement Samples". (Division 1)

8004 - Add item "Traffic Signalization E 2nd St and Hwy 92". Work will be performed, measured, and paid per Special Provision SP-150651 and Plan Sheets N.01 through N.09, with the exception that the conduit shall be GMC instead of HDPE. (0.50 Lump Sum Division 2; 0.50 Lump Sum Division 3)

8005 - Add item "Traffic Signalization Park Ave and E 5th St". Work will be performed, measured, and paid per Special Provision SP-150651 and Plan Sheets N.01 through N.09, with the exception that the conduit shall be GMC instead of HDPE. (0.50 Lump Sum Division 2; 0.50 Lump Sum Division 3)

8006 - Add item "Additional Conduit Boring". Item includes installation of new 4" HDPE conduit. Perform work per Special Provision SP-150651. Method of Measurement: Length of linear feet of conduit installed. Basis of Payment: Contract unit price per linear foot. (65.0 LF Division 2; 65.0 LF Division 3)

8007 - Add item "Flaggers" (1.0 Each Division 2; 1.5 Each Division 3)

B - Reason for change:

0220, 8004 - Contract Item 0220 is being replaced by Item 8004. The Contractor requested a conduit material change from GMC to HDPE. The change in conduit material provides a cost savings to the City.

0240, 8005 - Contract Item 0240 is being replaced by Item 8005. The Contractor requested a conduit material change from GMC to HDPE. The change in conduit material provides a cost savings to the City.

8001 - Due to limited space at the intersection of Park Ave and E 5th St, and concurrent work taking place in the area, the subcontractor was unable to drill signal foundations as planned, requiring them to demobilize and remobilize to complete the work.

8002 - Bollards were installed near the corner of East 2nd St and Cypress St near Bridge View Links to protect the signal foundation and to prohibit vehicle/pedestrian interaction at a driveway access that was closed.

8003 - Pavement samples were not included in the original contract and should have been included.

8006 - The plans required to reuse existing conduit at the intersection of E 2nd St and Hwy 92. During construction it was discovered that the existing wire was seized in the existing conduit and the conduit could not be reused. New 4" HDPE conduit needed to be installed.

8007 - At Park Ave and East 5th St, flaggers were needed to safely direct traffic during the east 5th street closure for traffic signal conduit installation and gas main relocation.

C - Settlement for cost(s) of change as follows with items addressed in Sections F and/or G:

0220 - Agreed Lump Sum Credit

0240 - Agreed Lump Sum Credit

8001 - Agreed Lump Sum

8002 - Agreed Unit Price

8003 - Agreed Lump Sum

8004 - Agreed Lump Sum

8005 - Agreed Lump Sum

8006 - Agreed Unit Price

8007 - Agreed Unit Price. Unit price is predetermined unit pricing per Iowa DOT

D - Justification for cost(s) (See I.M. 6.000, Attachment D, Chapter 2.36, for acceptable justification):

8001 - Agreed to price is 4.4% of the original lump sum contract price and is acceptable for this type of work, the equipment required, and the distance of travel. Price includes 10% prime contractor markup.

8002 - Unit price is reasonable when compared to another City project let through the Iowa DOT (Contract ID 70-5330-627) with bid prices of High = \$1,000.00, Low = \$500.00, Average = \$750.00. Price includes 10% prime contractor markup.

8003 - Lump sum price is between the average (\$2,715.19/LS) and high (\$25,250.00/LS) prices shown in the April 2020 through March 2021 IDOT Summary of Awarded Contract Unit Prices.

8004 - Price reduction based on invoiced cost difference provided by subcontractor.

8005 - Price reduction based on invoiced cost difference provided by subcontractor.

8006 - Price per liner foot, is comparable to cost breakdown for individual items submitted for the LS traffic signalization item. Price includes 10% prime contractor markup.

8007 - Unit price is equal to the predetermined Statewide unit pricing per Iowa DOT for the March 16, 2021 letting.

E - Contract time adjustment: No Working Days added Working Days added: _____ Unknown at this time

Justification for selection:

No additional days were required to perform the additional work as other items were controlling the charging of working days during the additional work performed.

F - Items included in contract:

Participating			For deductions enter as "-x.xx"			
Federal-aid	State-aid	Line Number	Item Description	Unit Price .xx	Quantity .xxx	Amount .xx
	x	0220	TRAFFIC SIGNALIZATION, E 2ND AND HWY 92	-\$1.00	72,000.000	-\$72,000.00
	X	0240	TRAFFIC SIGNALIZATION, PARK AVE AND E 5TH ST	-\$1.00	77,250.000	-\$77,250.00
<input type="button" value="Add Row"/> <input type="button" value="Delete Row"/>						TOTAL -\$149,250.00

G - Items not included in contract:

Participating			For deductions enter as "-x.xx"				
Federal-aid	State-aid	Change Number	Item Number	Item Description	Unit Price .xx	Quantity .xxx	Amount .xx
	x	8001	2599-9999010	("Lump Sum" Item) ADDITIONAL MOBILIZATION FOR TRAFFIC SIGNALS AT PARK AVE & E. 5th STREET	\$1.00	3,410.000	\$3,410.00
N/A	N/A	8002	2519-3676000	ENTRANCE BOLLARD	\$670.35	17.000	\$11,395.95
	x	8003	2303-6911000	HMA PAVEMENT SAMPLE	\$1.00	11,550.000	\$11,550.00
	x	8004	2525-0000100	TRAFFIC SIGNALIZATION, E. 2ND AND HWY 92	\$1.00	69,907.000	\$69,907.00
	x	8005	2525-0000100	TRAFFIC SIGNALIZATION, PARK AVE AND E 5TH ST	\$1.00	74,361.000	\$74,361.00
	x	8006	2599-9999009	("LINEAR FOOT" ITEM) ADDITIONAL CONDUIT - E. 2ND AND HWY 92	\$26.40	130.000	\$3,432.00
	x	8007	2528-8445113	FLAGGER	\$515.00	2.500	\$1,287.50
<input type="button" value="Add Row"/> <input type="button" value="Delete Row"/>						TOTAL \$175,343.45	

H. Signatures

Signatures will be applied through DocExpress.