



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: August 13, 2012

RE: Change Order #2 – Harrison Street Extension Project

INTRODUCTION:

Several items encountered during the Harrison Street Extension Project required extra work. There are no appropriate current contract items to cover this work. Therefore, a change order is necessary.

BACKGROUND:

Extra work items are as follows:

Two manholes buried in the asphalt street near Walgreens were uncovered during demolition operations. Concrete boxouts are needed to make the manholes accessible for maintenance and snow removal as is standard on city projects. \$1,300.00

The roadway just east of the Park Plaza intersection will be paved with 8" P.C.C. Grade irregularities required removal and replacement of this segment of roadway. Due to the transitioning road width in this area, a slipform paver cannot be used. CD (dowelled) joints need to be installed every 12.5' to accommodate joints in the adjacent curb and gutter. \$16,807.00

Manhole P-1 will be lowered by removing one barrel section and replacing it with a shorter section. The section removed will be kept by the city for future use. \$1,475.00

Curb and gutter along the existing portion of Harrison St was in poor condition with inappropriate unused driveway cuts and needed to be removed and replaced. There is no unit price contract item for curb removal. Street curb was replaced with an 8" thick gutter, as is standard on other city projects. The contract does not have a curb item for 8" gutter thickness. New curb and gutter along the roadway near Phillips Bros was also installed with an 8" gutter pan. Curb and gutter with a 6" gutter pan called for in the plans is intended for the parking lots. \$24,828.00

Asphalt milling depths significantly greater than indicated on the drawings were encountered as part of the work. Unit price items for milling 3" or less and milling full depth are required for fair resolution of work performed. Quantity adjustment to 0 SY will be made to item B12.

\$37,297.78

Change order 2 item total additions: **\$81,707.78**

Quantity reductions associated with the above changes on existing contract items will result in a decrease of: **\$39,977.83**

Therefore, the net increase due to the above change is: **\$41,729.95**

Original Contract amount:	\$510,999.30
Change order #1:	\$ 65,400.00
School reimbursement:	(\$65,400.00)
Change order # 2 with associated other adjustments:	<u>\$ 41,729.95</u>
Total new contract city amount:	\$552,729.25

RECOMMENDATION/RATIONALE:

It is the City Engineer's recommendation to approve this Change Order 2 in the amount of \$81,707.78.

BACKUP INFORMATION:

1. Change order #2
- 2.
- 3.
- 4.



City of Muscatine

Change Order #2

Project: Harrison Street Extension Project **Account No.:** 4193.4193.73200
Contractor: Heuer Construction, Inc. **Date Prepared:** July 31, 2012

Description of change to be made:

Adds item to the Contract No. F1, MANHOLE BOXOUT
Adds item to the Contract No. F2, 8" P.C.C. PAVING NON-SLIPFORM WITH CD JOINTS
Adds item to the Contract No. F3, LOWER MANHOLE P-1
Adds item to the Contract No. F4, CURB & GUTTER REMOVAL
Adds item to the Contract No. F5, CURB & GUTTER WITH 8" GUTTER PAN
Adds item to the Contract No. F6, ASPHALT PAVEMENT MILLING 3" OR LESS
Adds item to the Contract No. F7, ASPHALT PAVEMENT MILLING FULL DEPTH

Reasons for change or extra work:

Two manholes buried in the asphalt street near Walgreens were uncovered during demolition operations. Concrete boxouts are needed to make the manholes accessible for maintenance and snow removal as is standard on city projects.

The roadway just east of the Park Plaza intersection will be paved with 8" P.C.C. Grade irregularities required removal and replacement of this segment of roadway. Due to the transitioning road width in this area, a slipform paver cannot be used. CD (dowelled) joints need to be installed every 12.5' to accommodate joints in the adjacent curb and gutter.

Manhole P-1 will be lowered by removing one barrel section and replacing it with a shorter section. The section removed will be kept by the city for future use.

Curb and gutter along the existing portion of Harrison St was in bad condition and needed to be removed and replaced. There is no unit price contract item for curb removal. Street curb was replaced with an 8" thick gutter, as is standard on other city projects. The contract does not have an item for 8" gutter thickness. New curb and gutter along the roadway near Phillips Bros was also installed with an 8" gutter pan. Curb and gutter with a 6" gutter pan called for in the plans is intended for the parking lots.

Asphalt milling depths significantly greater than indicated on the drawings were encountered as part of the work. Unit price items for milling 3" or less and milling full depth are required for fair resolution of work performed. Quantity adjustment to 0 SY will be made to item B12.

Change Order #2

Settlement of the cost of work to be made as follows:

ITEMS TO BE ADDED TO THE CONTRACT					
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	ITEM PRICE
F1	MANHOLE BOXOUT	2	EA	\$ 650.00	\$ 1,300.00
F2	8" PAVING NON-SLIPFORM WITH CD JOINTS	343	S.Y.	\$ 49.00	\$ 16,807.00
F3	LOWER MANHOLE P-1	1	L.S.	\$ 1,475.00	\$ 1,475.00
F4	CURB & GUTTER REMOVAL	374	L.F.	\$ 10.00	\$ 3,740.00
F5	CURB & 8" GUTTER PAN	659	L.F.	\$ 32.00	\$ 21,088.00
F6	ASPHALT PAVEMENT MILLING $\leq 3''$	1214	S.Y.	\$ 3.25	\$ 3,945.50
F7	ASPHALT PAVEMENT MILLING FULL DEPTH	5131.12	S.Y.	\$ 6.50	\$ 33,352.28
TOTAL ADDITIONS					\$ 81,707.78

Other associated quantity adjustments reducing current unit price item quantities will be applied outside the change order.

City Engineer

Date

Public Works Director

Date

Receipt is acknowledged of this change and terms of settlement are hereby agreed to:

Contractor
