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**Public Works**

**City Transit**  
**263-8152**

**MEMORANDUM**

To: Randy Hill, Public Works Director

FROM: Jon Lutz, City Engineer

DATE: October 1, 2012

RE: West Hill Area Sanitary & Storm Sewer Separation Project  
Change Order 2 & 3

**Equipment Maintenance**  
**Roadway Maintenance**  
**Collection & Drainage**  
**Building & Grounds**  
**Engineering**

**INTRODUCTION:**

The City of Muscatine contracted with Langman Construction Company for the amount of \$3,688,235.27 for the West Hill Area Sanitary and Storm Sewer Separation Project. Previous change order 1 increased the contract price to \$3,692,315.27

**BACKGROUND:**

Change order #2 involves deducts for eliminated work and for items with reduced scope. Work on manhole #3306 in alley #2 behind city hall was reduced by internal repairs versus excavation and replacement. Three other manholes were eliminated from the contract on Sycamore between second street and alley #2. An existing pipe connection to the Papoose Creek Sewer at Alley #2 was discovered during excavation allowing a closer more direct connection. Total deduct amount is \$12,417.14.

Change order 3 includes all extra work involving time and materials for 3 separate items. Item 3A involves sidewalk work at the southwest corner of Sycamore and 3<sup>rd</sup> Street near Sycamore Printing. Special care and additional materials and methods were required to accommodate building foundations which extend under the sidewalk. Item 3B involves repair and replacement of the water service line to the Credit Bureau of Muscatine, Inc. on Sycamore Street. The contract did not contain an item for 1" water service replacement. Item 3C includes removal, repair and rerouting of the internal roof drains lines on the New York Dollar Store at 109 East 2<sup>nd</sup> Street. Change order 3 amounts to an increase of \$13,462.51. Change orders 2 and 3 will increase the contact price by \$1,045.37 bringing the total contract price to \$3,693,360.64.

**RECOMMENDATION/RATIONALE:**

The City Engineer recommends approving change orders 2 and 3.

**ATTACHMENTS:**  
Change orders 2 and 3

**"I remember Muscatine for its sunsets. I have never seen any  
on either side of the ocean that equaled them" — Mark Twain**



Koala Consulting Services



CITY OF MUSCATINE, IOWA  
CHANGE OR EXTRA WORK ORDER

No. 2012-002

Project: West Hill Area Sanitary & Storm Sewer Separation - Phase 1

Date Prepared: September 10, 2012

Contractor: Langman Construction, Inc.

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

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

This Change Order is to establish a Contract Price Adjustment for the Line Item No. F.1: MANHOLES: STANDARD 5' DIAMETER SANITARY, (8' DEEP); and Line Item No. F.2: MANHOLES: EXTRA DEPTH 5' DIAMETER SANITARY; and Line Item No. F.13: MANHOLES: NEW MANHOLE 3306. Three (3) structures are being changed from 5' diameter to 4' diameter. One (1) existing structure is to be left in place with an alternative fix. The Contract documents required the Contractor to remove and replace this one existing structure while maintaining existing flows.

II. - Reason for change or extra work:

For Pay Item No. F.1 and F.2 the Contract documents require the use of a 5' diameter manhole. Due to conflicts with existing utilities, structures MH SS 10, MH SS10B, and MH SS 11 were approved by the Owner to be 4' diameter manholes with flat tops and the larger 28" diameter frame and lid. For Pay Item No. F.13 the City of Muscatine and Muscatine Power & Water are named co-defendants in a law suit involving disturbing pavement in Alley #2 brought by a property owner adjacent to this manhole. Per specific instructions from City staff, the Contractor was informed to NOT remove this structure, but to provide an alternative fix. That alternate fix is the same as what is specified for the structure MH SS 7228. This alternative fix is less costly and does not disturb any Alley #2 pavement near the referenced property.

III. - Settlement for cost of work to be made as follows:

This Change Order will be a Contract Credit. The Contract price for all of these bid items will be what the Contractor will be paid for this item. In accordance with Langman Construction, Inc. (LCI) E-Mail price quote received July 20, 2012; the cost in materials savings are for Pay Item No. F.1 is equal to \$ 666.00 per structure. In accordance with this same LCI E-Mail the cost in materials savings for Pay Item No. F.2 is equal to \$ 54.50 per vertical foot. MH SS 10 had 5.50'. MH SS10B had 1.12'. MH SS 11 had 1.00'. Total actual vertical feet paid = 7.62'. In accordance with the LCI E-Mail received August 14, 2012; the costs for the approved alternative fix modifications for Pay Item No. F.13 are \$ 4,996.15 (thus the Pay Item No. F.13 credit due is \$ 15,000.00 - \$ 4,996.15 = \$ 10,003.85). Breakdowns are as follows:

ITEM	DESCRIPTION	QUANTITY	UNITS	PRICE	EXTENDED PRICE	PRIME 10%	TOTAL
F.1	2012-002A MH SS 10, MH SS 10B, MH SS 11	3	L.S.	(\$666.00)	(\$1,998.00)	N	(\$1,998.00)
F.2	2012-002B MH SS 10, MH SS 10B, MH SS 11	7.62	V.F.	(\$54.50)	(\$415.29)	N	(\$415.29)
F.13	2012-002C MH 3306	1	L.S.	(\$10,003.85)	(\$10,003.85)	N	(\$10,003.85)
TOTAL DECREASE TO CONTRACT:					\$		(12,417.14)

[Signature]  
Construction Project Manager

09-14-2012  
Date

\_\_\_\_\_  
City Engineer

\_\_\_\_\_  
Date

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

[Signature]  
Contractor

9-14-12  
Date

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.

APPROVED BY:

City of Muscatine: \_\_\_\_\_

Mayor

\_\_\_\_\_  
Date





Koala Consulting Services



CITY OF MUSCATINE, IOWA  
CHANGE OR EXTRA WORK ORDER

No. 2012-003

Project: West Hill Area Sanitary & Storm Sewer Separation - Phase 1

Date Prepared: September 10, 2012

Contractor: Langman Construction, Inc.

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

**I. - Description of change to be made or extra work to be done:**

This Change Order is to establish Pricing for the Owner requested Time and Materials (T&M) extra work in three (3) different Project locations for improvements required on the Project.

**2012-003A:** Placement of ADA compliant sidewalk at the southwest quadrant of the intersection of Sycamore Street and 3rd Street as a structural and sealing slab over the existing Hershey Building basement.

**2012-003B:** Removal, repair and replacement of the water service line to the Credit Bureau of Muscatine, Inc. (312 Sycamore Street) building within the Sycamore Street right-of-way (ROW).

**2012-003C:** Removal, repair and re-routing of the roof drain lines internal to the New York Dollar Store (109 East 2nd Street) building.

**II. - Reason for change or extra work:**

The original Contract did not have knowledge of all of the elements involved in the execution of the Contract requirements in the three (3) separate locations identified.

**III. - Settlement for cost of work to be made as follows:**

- In accordance with Langman Construction, Inc. E-Mail price quote received June 12, 2012; and Langman Construction, Inc. Invoice information dated 9-10-2012; and as follows:

ITEM	DESCRIPTION	QUANTITY	UNITS	PRICE	EXTENDED PRICE	PRIME 10%	TOTAL
2012-003A	ADA Sidewalk.	1	L.S.	\$4,437.88	\$4,437.88	*	\$4,437.88
2012-003B	Water Service.	1	L.S.	\$372.36	\$372.36	Y	\$409.60
2012-003C	Roof Drain Mods.	1	L.S.	\$8,615.03	\$8,615.03	*	\$8,615.03

<b>TOTAL INCREASE TO CONTRACT: \$</b>	<b>13,462.51</b>
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[Signature]  
Construction Project Manager

09-14-2012  
Date

\_\_\_\_\_  
City Engineer

\_\_\_\_\_  
Date

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

[Signature]  
Contractor

9-14-12  
Date

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.

APPROVED BY:

City of Muscatine: \_\_\_\_\_

\_\_\_\_\_  
Mayor

\_\_\_\_\_  
Date

\* The Prime Contractor's 10% is already added into the applicable prices for subcontractors. The Prime Contractor also had Work on this item.