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**Public Works**

**City Transit**  
263-8152

**MEMORANDUM**

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

To: Gregg Mandsager, City Administrator  
CC: Fran Donelson, Secretary  
FROM: Randy Hill, Public Works Director  
DATE: January 3, 2012  
RE: Accepting Hershey II Project

**INTRODUCTION:**

The City of Muscatine entered into a contract with Langman Construction Company on October 13, 2009 for the Hershey Avenue Area Sanitary and Storm Sewer Separation – Contract 2. This project has been completed and a resolution accepting the completed work is submitted for city council consideration.

**BACKGROUND:**

The Hershey Avenue Area Sanitary and Storm Sewer Separation – Contract 2 is the final sewer separation work required to eliminate the Hershey Ave. Pump Station as a CSO (combined sewer overflow). This separation keeps the city on schedule with the EPA Consent Order which mandates storm and sanitary sewer separation by 2024.

**RECOMMENDATION/RATIONALE:**

The City's contract with Langman was \$5,055,900.33 with the final cost at \$5,528,522.53. This includes 12 change orders and a combination of material quantity costs and credits (see attached memo from Project Manager Dennis Kistenmacher). The City will be reimbursed approximately \$175,000 from the State of Iowa for the reconstruction work on Mississippi Drive. The funding source for this contract was the One Cent Local Option Tax. In addition to the sewer separation improvements there was considerable roadway reconstruction involved with both Hershey Ave. contracts #1 & #2. The Hershey 2 construction was a large project by Muscatine's standards, but the end result guarantees major infrastructure upgrades which will last well into the future.

Public Works Staff recommends acceptance of the Hershey Avenue Area Sanitary and Storm Sewer Separation – Contract 2.

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

**BACKUP INFORMATION:**

1. Memo – D. Kistenmacher dated December 29, 2011
- 2.
- 3.
- 4.

***RESOLUTION NO. \_\_\_\_\_***

**RESOLUTION ACCEPTING COMPLETED WORK PERFORMED UNDER  
FOR THE HERSHEY AVENUE AREA  
SANITARY AND STORM SEWER SEPARATION – CONTRACT 2  
AND AUTHORIZING FINAL PAYMENT**

WHEREAS, the City of Muscatine approved the Plans, Specifications, and Form of Contract for the Hershey Avenue Area Sanitary and Storm Sewer Separation – Contract 2 Project; and

WHEREAS, the City of Muscatine entered into a contract for said project with Langman Construction Company for \$5,055,900.33 with twelve (12) change orders, for a total contract amount of \$5,528,522.53; and

WHEREAS, all work under the contract has been completed by Langman Construction Company and approved and accepted by the Public Works Department and appears to meet the requirements of the Plans and Specifications heretofore adopted by this Council, as evidenced by the Project Engineer's Certificate; and

WHEREAS, the amount of \$5,243,617.15 has been previously paid to Langman Construction Company and a balance of \$284,905.38 including 5% retainage remains due and payable;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF MUSCATINE, that the City of Muscatine make immediate payment of \$8,479.25 to Langman Construction Company for completed and accepted work under the Hershey Avenue Area Sanitary and Storm Sewer Separation – Contract 2 Project and thereafter make an additional payment of \$276,426.13 which represents the 5% retainage thirty (30) days from the date of this acceptance.

PASSED, APPROVED, ADOPTED THIS 5<sup>th</sup> DAY OF JANUARY, 2012.

CITY COUNCIL OF THE CITY OF MUSCATINE, IOWA

BY: \_\_\_\_\_  
Dwayne Hopkins, Mayor

ATTEST:

\_\_\_\_\_  
Gregg Mandsager, City Administrator

## MEMO

DATE: December 29, 2011

To: Randy Hill

From: Denny Kistenmacher, Project Manager, Hershey 2

This memo is to report on the completed Hershey Avenue Sewer Separation Project, Contract 2. The original Total Contract Price was \$5,055,900.23. There are a total of twelve change orders, which add up to \$148,096.18 (Change Order No. 11 being for an extension of time, with no additional costs involved). Change Order No. 12 is for a water service leak repair at Main and West 3rd, requiring work totalling \$7,745.12. The final amount of total work changes from the original Contract Price of \$5,055,900.23 to the "Current Contract Price" of \$5,203,996.41.

The actual total amount of billable work completed on the project to date is \$5,528,522.53. As you can see, this is an overrun of \$324,526.12. There are a number of reasons for this; however, the primary two reasons are: underestimated quantities, and the existing condition of much of the original concrete on the project. The major overrun items are: 5-foot diameter flattop manholes (\$36,800 sanitary, and \$51,000 storm); 8-inch concrete pavement \$240,344.55; driveway and alley replacement \$25,333.20; sidewalk replacement \$63,517.20; concrete pavement removal \$77,461.78; asphalt pavement \$56,348.00; riprap \$26,362.00; plus a number of other lesser items. The total of the overrun items listed here is \$577,166.73; which means the actual total Contract overrun of \$324,526.12 is really \$252,640.61 less than the \$577,166.73 (total for large item overages in excess of \$25,000). That reduction in the "virtual" overrun is due to the fact that there are many smaller Unit Price items that were either completed for less than the Contract Price or were not required at all.

For the record, a summary of Change Orders is as follows:

Change Order No.	Work Description	Amount
1	Redesign of Mississippi Drive, including IDOT and Subdrains	\$90,765.00
2	Rock Excavation on Ash Street Extension	\$3,955.15
3	Retaining Wall at Dead End of Ash Street	\$11,189.99
4	Rock Excavation on Broadway	\$3,955.15
5	Rerouting of Sewer Connection due to Sewer Separation	\$3,172.80
6	Broadway Subdrain Addition	\$7,594.70
7	One-third of Retaining Wall Cost, Bottom of Broadway	\$7,103.38
8	Rock Excavation, Ash Street	\$3,221.98
9	Second Addition to Broadway Subdrain	\$1,180.41
10	Ground Warming to get Hershey Paved in Dec. 2010	\$8,212.50
11	Time Extension	\$0.00
12	Emergency Water Service Repair, West 3rd and Main	\$7,745.12
SUM	TOTAL OF ALL CHANGE ORDERS	\$148,096.18