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Public Works

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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 5, 2015
RE: Change Order #1 – Geneva Creek Channel Reshaping Project

INTRODUCTION:

The City of Muscatine has contracted with Sulzberger Excavating to reshape Geneva Creek. The City is responsible for the Geneva Creek Levee System.

BACKGROUND:

As a result of an inspection by the US Army Corps of Engineers the levee system was assigned an unacceptable rating due to sediment and shoaling around the Isett Ave. Bridge which decreased its stormwater capacity. Channel shaping was required to correct the problem. The work included grading and debris removal to restore the original shape.

RECOMMENDATION/RATIONALE:

A change order for additional work is requested. The change order reflects a size difference in a corrugated metal culvert (36" to 54"); rerouting of metal pipe to avoid a concrete obstruction; and the repair of a broken sewer pipe. Total cost for the change order is \$4,817.38.

The original contract cost was \$48,936. With the change order the new contract amount is \$53,780.38. Staff recommends approval.

BACKUP INFORMATION:

1. Memo from Steve Dalbey dated December 26, 2014
- 2.

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

December 26, 2014

To: Randy Hill, Public Works Director

From: Steve Dalbey, Construction Inspector

Subject: Geneva Creek Channel Project Change Order

The Geneva Creek project is substantially complete with two items yet to be finished. The paving of the sidewalk and the seeding have not been completed and may not be finished until spring. During the course of the construction three (3) situations arose that require change orders for payment. The first was a design miscalculation of the pipe size needed to connect to an existing drainage culvert. The plan showed an existing 36" corrugated metal culvert in place, but the size of it was 54". The contractor had bid on the assumption that a new culvert section to be added was a 36" culvert.

The second item was for additional 16 feet of corrugated metal pipe needed to avoid a concrete obstruction in the path of where the new 54" drainage culvert was supposed to go. The new culvert could not be placed over the concrete obstruction and still flow in the right direction. The path of the new culvert was altered but then needed an additional length of 16 feet to reach the creek bank.

The third item was the repair of a broken sewer pipe discovered as the excavation for the new drainage culvert was taking place. The break is believed to have been an existing situation, not one caused by the new work. The costs for the three additions to the project were:

- Change to 54" corrugated metal pipe - \$1,153.68
- Additional 16' of 54" corrugated metal pipe - \$2,323.70
- Repair of broken sewer pipe - \$1,340.00

The original contract amount was \$48,963.00. The total of the additional work and materials is \$4,817.38. The new contract amount is \$53,780.38.

Please place these changes to the contract on the agenda for City approval at the January 8, 2015 City Council meeting. The pay application submitted by Sulzberger for payment at that time will reflect the change order amounts.