

**December 3, 2014**

**To: Mayor Bemrich and City Council**  
**From: David Fierke, City Manager**  
**Subject: South 19<sup>th</sup> Street Sewer Repair Project –  
Approve Change Order #3**



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**ACTION: For vote Monday, December 8, 2014**

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**Brief History**

McClure Engineering has prepared the plans and specifications for the South 19<sup>th</sup> Street Repair Project. A bid letting was held on June 13<sup>th</sup>, 2013 and the City received two bids, with Godbersen-Smith Construction being the low bidder at \$2,789,964.00. The City rejected all bids July 8<sup>th</sup>, 2013 on the consideration that a spring 2014 bid letting may lead to more favorable bid prices.

A new bid letting date was set for February 13, 2014 to receive bids for this project. A public hearing was set for February 24, 2014 at 6:00 p.m. to approve the plans and specifications, form of contract, estimate of costs. The bid also included Bid Alternate 1 which looked into using PVC in lieu of DIP water main. The Engineering department wanted to quantify the cost savings for using PVC. In this case there was a \$30,500 savings, or 25%, for using PVC in the low bid. City Staff recommended continuing use of DIP until Public Works staff can become knowledgeable on the use of PVC and obtain any necessary training and equipment. During the Council meeting on February 24, 2014, Council approved a contract with Wicks Construction in the amount of \$2,494,409.00 and to hold the Bid Alternate 1 cost savings for 30 days for staff to look into the benefits and detriments of using PVC water main.

Change Order #1 was approved on March 24, 2014 that changed the water main material from DIP to PVC. Change Order #1 resulted in a reduction of \$30,500 to the contract.

Change Order #2 was approved on October 27<sup>th</sup>, 2014 to replace deteriorated storm water intakes located on the north side of the South 19<sup>th</sup> Street and 1<sup>st</sup> Avenue South intersection that were not included in this project. Change Order #2 also included additional storm sewer, sub-base for street and concrete. Change Order #2 increased the contract amount by \$31,769.66 and brings the total project amount to \$2,495,678.66.

### **Analysis of Issue**

Change Order #3 is necessary to remove and replace a dilapidated brick manhole structure with a structurally sound pre-cast manhole and associated storm pipe connections. Change Order #3 also included removal of four additional trees that had roots damaged during construction and three of the trees were ash trees and were already scheduled for removal. Change Order #3 increases the contract amount by \$15,297.70 and brings the total amount to \$2,510,976.36.

### **Budget Impact**

This project will be funded from Sanitary Sewer Funds. The sanitary sewer rates were previously approved by the Council and the rate included \$6,000,000 for sanitary sewer investigation and repair/replacement work.

Including the contract for this work and this Change Order approval, \$847,715.80 remains to be spent on the construction of 2 additional projects.

### **Strategic Plan Impact**

Policy D.4.2: Advanced planning for all infrastructure facilities shall be supported and routinely updated. Facilities benefited by advanced planning shall include, at minimum, schools, health care, residential areas, roads, water, sewer, storm water management, parks, recreation, and greenways.

Policy D.4.1: Recognizing that infrastructure has a powerful influence on growth and development, the availability of infrastructure (along with other factors) should determine where development will occur in the city, rather than the other way around.

### **Impact on Existing Plans**

None

### **Committee Review / Recommendation**

This plan is consistent with all council presentation material.

### **Staff Conclusions / Recommendations**

It is our recommendation to approve Change Order #3 in the amount of \$15,297.70.

### **Alternatives**

None recommended.

### **Implementation and Accountability**

The Engineering Department and McClure Engineering will be responsible for overseeing this project.

Signed



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Tony Trotter, P.E.  
Project Engineer

Approved



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David Fierke  
City Manager



# McClure Engineering Company

## Change Order Details

### SOUTH 19TH STREET SEWER & RELIEF OUTLET

**Description:** FORT DODGE, IOWA  
CWSRF # 1920646 01  
MEC # 1311015-01

**Change Order:** 3 **Date Created:** 12/01/2014

**Status:** Pending Approval **Date Approved:**

**Type:** Unforeseen Conditions

**Summary:** Remove and Replace Dilapidated Storm Manhole

**Change Order Description:** Work includes removal of dilapidated brick manhole, necessary 24" storm pipe, off site haul and installation of 24" RCP as needed, 60" storm structure with pre-cast cover and casting. Casting can be solid or grated; disturbed sub-grade and sub-base will be repaired.

Four (4) additional trees are also being removed due to damaged roots during construction and three (3) of them are ash trees and are scheduled to be removed because of the emerald ash borer.

**Awarded Project Amount:** \$2,494,409.00  
**Authorized Project Amount:** \$2,495,678.66  
**Change Order Amount:** \$15,297.70  
**Revised Project Amount:** \$2,510,976.36

#### New Items

Line Number	Item	Unit	Pending Quantity	Unit Price	Dollar Amount
<b>Section: 2000 - EARTHWORK</b>					
2.8	2010-108-C-0 CLEARING AND GRUBBING	LS	1.00	\$5,280.000	\$5,280.00
Reason: 4 additional trees needed to be removed because of damage to the roots during construction and 3 of them are ash trees and are scheduled to be removed at a later date due to the emerald ash borer.					
<b>Section: 6000 - STRUCTURES FOR SANITARY AND STORM SEWERS</b>					
6.22	6010-108-A-0 SW-401, 60"	EA	1.00	\$10,017.700	\$10,017.70
Reason: Existing brick manhole was falling apart at the top and between the inverts, missing bricks.					
<b>(2 Items)</b>				<b>Total:</b>	<b>+\$15,297.70</b>

This Document will become a supplement to the Contract dated March 10, 2014, and all provisions will apply hereto.

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**McClure Engineering Company**

**Date**

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**City of Fort Dodge**

**Date**

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**Wicks Construction, Inc.**

**Date**