

**January 19, 2015**

**To: Mayor Bemrich and City Council**  
**From: David Fierke, City Manager**  
**Subject: South 19<sup>th</sup> Street Sewer Repair Project –  
Approve Change Order #4**



---

**ACTION: For vote Monday, January 26, 2015**

---

**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.

On December 8<sup>th</sup>, 2014, Council approved Change Order #3 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 4 trees

with damaged roots from the construction, 3 of these were ash and had been scheduled for removal. Change Order #3 increased the contract amount by \$15,297.70 and brings the total amount to \$2,510,976.36.

### **Analysis of Issue**

Change Order #4 was necessary with the cold temperatures setting in early. To complete the paving and intersections north of 5<sup>th</sup> Ave S, the contractor had to use hot water, remove the fly-ash from the PCC and cover the pavement with blankets while it cured. Change Order #4 increases the contract amount by \$5,700.69 and brings the total amount to \$2,516,977.05.

### **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, \$842,015.11 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 #4 in the amount of \$5,700.69.

### **Alternatives**

None recommended.

### **Implementation and Accountability**

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

Signed



---

Tony Trotter, P.E.  
Project Engineer

Approved



---

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:** 4 **Date Created:** 01/12/2015

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

**Type:** Changed Conditions

**Summary:** Cold Weather Pavement

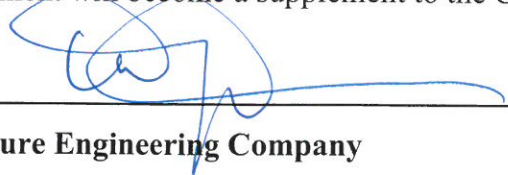
**Change Order Description:** Cold temperatures set in early this season and to complete the mainline paving and intersections north of 5th Ave S. the contractor had to use hot water, remove the fly-ash from the PCC and covered 3,112.19 SY of pavement with blankets while the PCC cured.

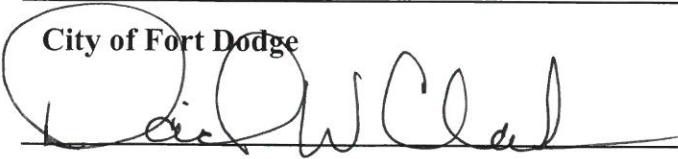
**Awarded Project Amount:** \$2,494,409.00  
**Authorized Project Amount:** \$2,510,976.36  
**Change Order Amount:** \$5,700.69  
**Revised Project Amount:** \$2,516,677.05

#### New Items

Line Number	Item	Unit	Pending Quantity	Unit Price	Dollar Amount
<b>Section: 7000 - STREETS AND RELATED WORK</b>					
7.14	7010-108-A-1	LS	1.00	\$5,700.690	\$5,700.69
PAVEMENT, COLD WEATHER PROTECTION					
Reason: Cold temperatures set in early this season and to complete the mainline paving and intersections the contractor had to use hot water, remove the fly-ash from the PCC and covered 3,112.19 SY of pavement while the PCC cured.					
<b>(1 Item)</b>				<b>Total:</b>	<b>+\$5,700.69</b>

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

  
\_\_\_\_\_  
**McClure Engineering Company** **Date** 1/13/15

**City of Fort Dodge** **Date**  
  
\_\_\_\_\_  
**Wicks Construction, Inc.** **Date** 1/14/15