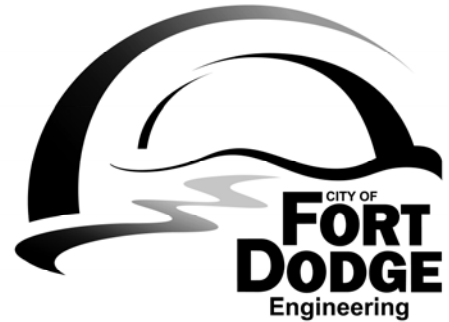


**August 19, 2014**

**To: Mayor Bemrich and City Council**  
**From: David Fierke, City Manager**  
**Subject: Sanitary Sewer Immediate Needs -  
2011 Project - 20<sup>th</sup> Avenue North  
Sanitary Sewer Improvements  
Set Public Hearing and Bid Date**



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**ACTION: For vote Monday, August 25, 2014**

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**Brief History**

The City of Fort Dodge currently experiences overloaded sewers, sewage backups in basements, untreated sewage bypassed to storm sewers, and overloaded pump stations that bypass raw wastewater directly to the Des Moines River. Based on a compilation of previous studies, the total peak wastewater entering the sewer system is approaching 50 million gallons per day during peak wet weather events which far exceeds system capacities.

The objective of this Sanitary Sewer Evaluation Study (SSES) is to evaluate the sanitary sewer system for the entire community. This Study included extensive field work to gather data about how the system operates on a day-to-day basis. This study also included the creation of a model of the entire system so that it can be evaluated based on the individual drainage basins, dry weather flow, wet weather flow, etc. The SSES provided the framework by which decisions will be made regarding what types of improvement projects are needed: rehabilitation, reconstruction, relining, and relief sewers. This framework will also be utilized to determine the prioritization and funding allocations for projects. The SSES work included a Phase 1 and a Phase 2 and was started by McClure Engineering in February, 2011.

Based on the review and compilation of all this information, Council approved a contract with McClure Engineering to complete design work on 3 sanitary sewer immediate needs projects. Those 3 projects included:

- Northgate Lift Station Force Main Reroute (20<sup>th</sup> Avenue North)
- Basin R14 Relief Outlet (N. 14<sup>th</sup> St. and 10<sup>th</sup> Ave. N. to N. 18<sup>th</sup> St. and 10<sup>th</sup> Ave. N.)
- Basin G13 Relief Outlet (S. 19<sup>th</sup> St. and 1<sup>st</sup> Ave. S. to S. 17<sup>th</sup> St. and 6<sup>th</sup> Ave. S.)

In March, 2012, Council approved a 3-year, zero percent interest Planning and Design loan for the SSES and Sanitary Sewer Immediate Needs work in the amount of \$3,000,000 through the Clean Water State Revolving Fund (SRF) program.

In May, 2014, Council passed a resolution for a SRF Sewer Revenue Loan and Disbursement Agreement in the amount of \$8,200,000 at 1.75% interest over 20 years. This agreement is for the Sanitary Sewer Evaluation Study and the design and construction of the Sanitary Sewer Immediate Needs Projects.

The Council set a bid date of August 13<sup>th</sup>, 2014 at 2:00 p.m. and a public hearing date of August 25<sup>th</sup>, 2014 at 6:00 pm on July 28<sup>th</sup>, 2014.

One Bid was received for this project on August 13<sup>th</sup>:

- Minger Construction Inc. \$1,854,653.00

### **Analysis of Issue**

City Staff and McClure Engineering will be looking into whether a winter bid would be more conducive to better prices in addition to looking at alternative construction techniques to minimize cost and what SRF monies are available. The City has 60 days to award or reject this bid. Staff recommends holding the public hearing to approve the plans and specifications, form of contract, estimate of costs and delaying awarding or rejecting the bids at this point. The Engineer's Estimate of Cost for this project is \$1,340,000.

### **Budget Impact**

In 2012, sanitary sewer utility rates were set accordingly to pay back a \$6,000,000 SRF loan over 20 years. Because the SRF program has reduced their interest rate from 3.25% to 1.75% and reduced their origination fee from 1% to 0.5%, the City now has the ability fund the proposed \$8,200,000 SRF loan without increasing the sewer rates.

### **Strategic Plan Impact**

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

### **Impact on Existing Plans**

Implementation of the results from the Sanitary Sewer Evaluation Study

### **Subcommittee or Commission Review / Recommendation**

N/A

### **Staff Conclusions / Recommendations**

It is our recommendation to hold the public hearing on the plans and specifications, form of contract & estimate of costs.

### **Alternatives**

None

**Implementation and Accountability**

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

Signed:

Approved:



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Tony Trotter, P.E.  
Project Engineer

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David Fierke  
City Manager

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

**APPROVING PLANS AND SPECIFICATIONS, FORM OF CONTRACT, AND ESTIMATE OF COST FOR 20<sup>TH</sup> AVENUE NORTH SANITARY SEWER IMPROVEMENTS PROJECT, FOR THE CITY OF FORT DODGE, IOWA.**

**WHEREAS**, proposed Plans and Specifications, proposed form of Contract, and estimate of cost for 20<sup>th</sup> Avenue North Sanitary Sewer Improvements Project have heretofore been prepared by Engineering Department and filed with the City Clerk on the 28<sup>th</sup> day of July, 2014; and

**WHEREAS**, Notice of Hearing on the said proposed Plans and Specifications, proposed form of Contract, and estimate of cost were duly published in the form and manner required by law; and

**WHEREAS**, no petition or objections to the said Plans and Specifications, proposed form of Contract, and estimate of cost have been filed or made by any interested party;

**NOW, THEREFORE, BE IT RESOLVED** by the City Council of Fort Dodge, Iowa, as follows:

**Section I.** That the Plans and Specifications, form of Contract, and estimate of cost referred to in the preamble hereof be and the same are hereby approved.

**Section II.** That all Resolutions or Orders or parts thereof in conflict herewith are hereby repealed.

**PASSED AND APPROVED** this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

**AYE:** \_\_\_\_\_

**NAY:** \_\_\_\_\_

**OTHER:** \_\_\_\_\_

\_\_\_\_\_  
**Matt Bemrich, Mayor**

**ATTEST:**

\_\_\_\_\_  
**Jeff Nemmers, City Clerk**