

COUNCIL ACTION FORM

SUBJECT: 2018/19 SANITARY SEWER REHABILITATION (WILSON AND 15TH)

BACKGROUND:

This is the annual program for rehabilitation/reconstruction of deficient sanitary sewers and deteriorated manholes at various locations throughout the city to remove major sources of inflow/infiltration. This will lower peak wet weather flow at the sewer treatment plant. Most of the problem areas addressed in this program are in sewers that can be bundled into a construction package for cost efficiency or are in problem areas deeper than City crews are equipped to handle.

In 2012, the City began a Sanitary Sewer System Evaluation that included a comprehensive and systematic evaluation for identifying the defects that could contribute I/I across the entire, City-wide sanitary sewer system. This evaluation data collection was completed, and it was evident that there were over \$25 million worth of immediate structural improvements needed in the sanitary sewer system. Current and future CIP projects for the sanitary sewer system are based on the results of this evaluation.

Work includes rehabilitation such as the lining of existing mains or spray lining of existing structures, as well as complete removal and replacement of structures and sanitary sewer mains. These projects were shown in the CIP beginning in 2014/15. Funding comes from the State Revolving Fund (SRF), and Sewer Utility Fund. Repayment of the SRF loans will be from revenues generated in the Sanitary Sewer Fund.

This project was selected to have an immediate impact by removing Inflow & Infiltration (I&I) in older sewer mains that were installed with non-sealed joints, which was standard at the time. By eliminating I&I in these mains, the sanitary sewer system will regain some capacity. Items of work in the contract include point repairs and cured-in-place lining of the existing mains. These rehabilitation methods minimize the impact to residents and will reduce the amount of clean water that enters the system, thus reducing the amount of water needing treatment at the sewer plant.

On October 31, 2018, bids for the project were received as follows:

<i>Bidder</i>	<i>Amount</i>
Engineer's estimate	\$2,852,200.00
Synergy Contracting, LLC	\$2,663,751.50
Visu-Sewer, Inc.	\$2,835,528.25
Hydro – Klean, LLC	\$2,896,595.30
Save Our Sewers, Inc.	\$2,962,315.25

Revenue and expenses associated with this program are estimated as follows:

	Available Revenue	Estimated Expenses
State Revolving Fund	\$ 3,570,000	
Sewer Utility Fund	\$ 250,000	
2018/19 Sanitary Sewer Rehab (Wilson and 15 th) (Engineer's Est.)		\$ 2,800,000
Engineering/Administration (Est.)		\$ 560,000
	<hr/> \$ 3,820,000	<hr/> \$ 3,360,000

ALTERNATIVES:

1. a. Accept the report of bids for the 2018/19 Sanitary Sewer Rehabilitation (Wilson and 15th) project.

b. Approve the final plans and specifications for this project.

c. Award the 2018/19 Sanitary Sewer Rehabilitation (Wilson and 15th) project to Synergy Contracting, LLC of Bondurant, Iowa in the amount of \$2,663,751.50.
2. Do not proceed with the project at this time.

MANAGER'S RECOMMENDED ACTION:

This project represents City Council's commitment to improve the sanitary sewer system. This is the fourth of several large projects that will have an immediate impact by removing Inflow & Infiltration to regain valuable capacity in the City's existing sanitary sewer mains.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, as noted above.