

COUNCIL ACTION FORM

SUBJECT: 2018/19 SANITARY SEWER REHABILITATION (SIPHON)

BACKGROUND:

This is the annual program for rehabilitation/reconstruction of deficient sanitary sewers and deteriorated manholes at various locations throughout the city. The goal of this program is to identify and remove major sources of inflow/infiltration as a means of lowering the peak wet weather flow at the treatment plant. Work typically 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.

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.

This is the sixth rehabilitation project and was selected to have an immediate impact by removing Inflow & Infiltration (I&I) in sewer mains that are older and installed with non-sealed joints, the industry 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 heavy clean, ream, pre- and post – cleaning CCTV, and rehabilitate inlet and outlet structures. The heavy clean is necessary to remove grit, grease, hard deposits, tuberculation and/or rust from sanitary sewer siphon pipes. Reaming would help to restore the pipe full flow capacity. 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 plant.

On September 24, 2019, bids for the project were received as follows:

<i>Bidder</i>	<i>Amount</i>
Engineer's estimate	\$900,000.00
Synergy Contracting, LLC	\$1,440,778.00

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

	Available Revenue	Estimated Expenses
State Revolving Fund (2019/20)	\$1,014,787.60	
State Revolving Fund (2018/19)	\$3,570,000.00	
2018/19 Sanitary Sewer Rehab (Wilson & 15 th) (Awarded)		\$ 2,663,751.50
2018/19 Sanitary Sewer Rehab (Siphon) (this project)		\$ 1,440,778.00
Engineering/Administration (Est.)		\$ 480,000.00
	\$4,584,787.60	\$ 4,584,529.50

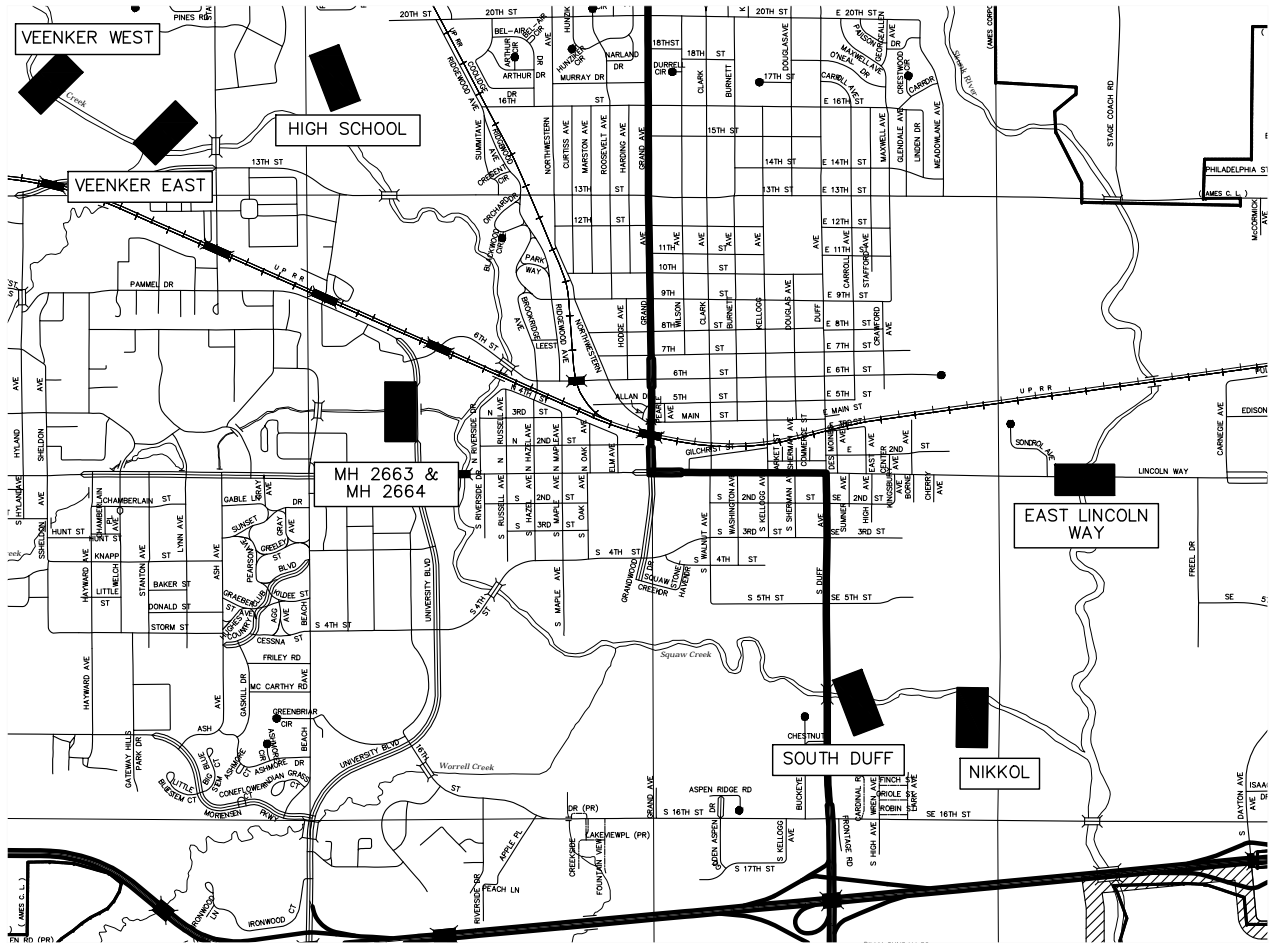
ALTERNATIVES:

1. a. Accept the Report of Bids for the 2018/19 Sanitary Sewer Rehabilitation (Siphon) project.
- b. Motion continuing the public hearing to the October 8, 2019, City Council meeting.
2. Proceed with awarding this project with additional funding coming from the sanitary sewer fund (State Revolving Fund).

MANAGER'S RECOMMENDED ACTION:

Staff will have discussion with the Finance Department regarding State Revolving Fund (SRF) requirements. If agreed through the discussion, staff can work with Finance to make modifications to the SRF funding. A report on recommendation whether to award will be brought to the City Council in October.

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



LOCATION MAP – VARIOUS LOCATIONS WITHIN THE CITY OF AMES
(NOT TO SCALE)