

COUNCIL ACTION FORM

SUBJECT: 2019/20 SANITARY SEWER REHABILITATION - (BASIN 10)

BACKGROUND:

This annual program is for rehabilitation/reconstruction of deficient sanitary sewers and deteriorated manholes at various locations throughout the City. The program goal is to identify and remove major sources of inflow/infiltration (I/I) to regain pipe capacity and reduce the wet weather flow at the treatment plant. The program typically includes rehabilitation work such as lining 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 over \$25 million of immediate structural improvements were needed in the sanitary sewer system. Current and future CIP projects for the sanitary sewer system are based on the results of this evaluation.

On April 21, 2020, a professional services agreement contract with WHKS of Ames, Iowa was approved in the amount not to exceed \$48,000. **This is the seventh rehabilitation project and was selected to have an immediate impact by removing 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 needed capacity. See attachment project area map.**

Base Bid: Items of work in the base bid 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 plant.

Alternate Bid: This includes ream services, air testing & grouting cast iron pipes, and for installing cast iron lateral connections liners.

On February 3, 2021, bids for the project were received as follows:

<i>Bidder</i>	<i>Base Bid Amount</i>	<i>Alt # 1 Amount</i>
Engineer's estimate	\$1,400,315.00	\$535,000.00
Municipal Pipe Tool Co. LLC	\$ 952,843.78	\$330,320.00
Visu – Sewer, Inc.	\$1,047,311.80	\$417,300.00
Hydro – Klean, LLC	\$1,240,288.97	\$348,162.50

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

	Revenue	Expenses
State Revolving Fund	\$ 3,684,000	
Sewer Utility Fund	\$ 250,000	
2019/20 Sanitary Sewer Rehab (Basin 10) (Base Bid)		\$ 952,843.78
2019/20 Sanitary Sewer Rehab (Basin 10) (Alt #1)		\$ 330,320.00
Construction (est. future sewer rehab projects)		\$2,000,000.00
Engineering/Administration (Est.)		\$ 625,000.00
	\$ 3,934,000	\$3,908,163.78

ALTERNATIVES:

1. a. Accept the report of bids for the 2019/20 Sanitary Sewer Rehabilitation-(Basin 10)
 - b. Approve the final plans and specifications for this project.
 - c. Award the 2019/20 Sanitary Sewer Rehabilitation – (Basin 10) project to Municipal Pipe Tool Co. LLC of Hudson, Iowa in the amount of \$952,843.78 as the Base Bid and \$330,320 as the Alternate 1, for a total contract in an amount of \$1,283,163.78.
2. Award the contract to one of the other bidders.
3. Do not proceed with this project.

CITY MANAGER'S RECOMMENDED ACTION:

This project advances City Council's commitment to improve the sanitary sewer system. This is the seventh 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 system.

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

