

**COUNCIL ACTION FORM**

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

**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 (I/I) to regain pipe capacity and reduce the wet weather flow at the treatment plant. The program typically includes rehabilitation work 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 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.**

**Base Bid:** 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 plant.

**Alternate Bid:** Bid includes quantities for ream services, air testing & grouting cast iron services, and for installing lateral connections liners in cast irons services.

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

	Revenue	Expenses
State Revolving Fund	\$ 3,684,000	
Sewer Utility Fund	\$ 250,000	
<b>2019/20 Sanitary Sewer Rehab (Basin 10) (Base Bid)</b>		<b>\$ 1,400,315</b>
<b>2019/20 Sanitary Sewer Rehab (Basin 10) (Alt Bid)</b>		<b>\$ 535,000</b>
Construction (future phases)		\$ 1,335,000
Engineering/Administration (Est.)		\$ 625,000
	<hr/>	<hr/>
	\$ 3,934,000	\$ 3,895,315

**ALTERNATIVES:**

1. Approve the 2019/20 Sanitary Sewer Rehabilitation (Basin 10) project, establishing February 3, 2021, as the date of letting and February 9, 2021, as the date for report of bids.
2. Direct staff to revise the 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.