

COUNCIL ACTION FORM

SUBJECT: 2018/19 SANITARY SEWER REHABILITATION (SIPHON) – CHANGE ORDER NO. 1

BACKGROUND:

This is the annual program for rehabilitation/reconstruction of deficient sanitary sewers and deteriorated manholes at various locations throughout the city. Most of the problem areas are in sewers that can be bundled into a construction package for cost efficiency, or in problem areas deeper than City crews are equipped to handle. This program provides for those repairs by outside firms. The goal of this program is to identify and remove major sources of inflow/infiltration (I/I) as a means of lowering the peak wet weather flow at the treatment plant.

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 is the sixth rehabilitation project and was selected to have an immediate impact by removing I/I and to regain some capacity.** Items of work in the contract include heavy cleaning, reaming, pre- and post – cleaning CCTV, and rehabilitating inlet and outlet structures. **On October 22, 2019, City Council awarded the contract to Synergy Contracting, LLC of Bondurant, Iowa, in the amount of \$1,440,778.**

Following the award of contract, the contractor (Synergy Contracting, LLC) worked with design team to identify modifications to the project. Below are summaries of modifications to the Siphon project that result in significant project cost savings of \$174,575.

- Allowing on-site mix concrete (spec mix) instead of Redi-mix.
- Extending completion date to November 26, 2021 due to workload and COVID-19 restrictions and material availability.
- After confirming the condition of twin 20" pipes at the South Duff siphon, eliminating heavy cleaning at this location.
- Allowing alternate access to the Veenker East Site.
- Replacing existing plug values with Straight pipe.
- Deleting internal flexible urethane chimney sealant at four locations.

These modifications will provide the same quality of project to the City at a cost savings. The revenues and expenses associated with this program, including this proposed Change Order No. 1 (deduction), 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 w/CO)		\$ 1,266,203.00
Engineering/Administration (Est.)		\$ 480,000.00
	<hr/> \$4,584,787.60	<hr/> \$ 4,409,954.50

ALTERNATIVES:

1. Approve Changer Order No. 1, a deduction in the amount of \$174,575.
2. Direct staff to pursue changes to the project.

CITY MANAGER'S RECOMMENDED ACTION:

This project supports City Council's commitment to improve the sanitary sewer system. This project to rehabilitate several siphon locations will have an immediate impact by removing Inflow & Infiltration to regain valuable capacity in the City's existing sanitary sewer system. These modifications will provide the same high-quality project to the City while affording a cost savings.

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