

ITEM#: 19  
DATE: 10-08-19

**COUNCIL ACTION FORM**

**SUBJECT: 2015/16 SANITARY SEWER REHABILITATION (SANITARY SEWER LINING)**

**BACKGROUND:**

In 2012 the City began a Sanitary Sewer System Evaluation that included a comprehensive and systematic evaluation for identifying the defects that could contribute inflow and infiltration (I/I) across the entire, City-wide sanitary sewer system. This evaluation identified over \$25 million of needed structural repairs.

**This project included sanitary sewer rehabilitation techniques primarily in west Ames and throughout the Campustown area. Work also focused on rehabilitation of sanitary sewer segments that cross underneath the railroad right of way throughout Ames. Items of work in the contract included point repairs and cured-in-place lining of the existing mains. These rehabilitation methods minimized the impact to residents and worked to reduce the amount of clean water that enters the system, thus reducing the amount of water needing treatment at the plant.**

On March 28, 2017, City Council awarded this project to Hydro-Klean, LLC of Des Moines, IA in the amount of \$2,048,362.10. Change Order No. 1 in the amount of \$6,280.15 for lining of unexpected pipe sizes. **Change Order No. 2 (included in this action)** is the balancing change order for this project and is a **deduction** in the amount of **\$259,993.57**. Major items in this change order include savings in sanitary sewer pipe replacement, pavement removal and replacement, and granular backfill material. The initial plans indicated locations where pipe removal and replacement were deemed necessary based off the data from the sewer system evaluation study. However, City staff and the contractor were able to work together to find solutions that did not involve pipe replacement but instead were able to perform repairs from inside the pipe, thus resulting in significant project cost savings.

The work was completed in the amount of **\$1,794,648.68** Engineering and contract administration costs for the entire sanitary sewer rehabilitation program including this project were \$554,500, **bringing overall program costs to \$2,349,148.68.**

Funding for the project is from the State Revolving Fund (SRF) in the amount of \$3,270,000.

**ALTERNATIVES:**

1. a) Approve Change Order No. 2 a deduction in the amount of \$259,993.57.  
b) Accept the 2015/16 Sanitary Sewer Rehabilitation (Sanitary Sewer Lining) project as completed by Hydro-Klean, LLC of Des Moines, IA in the amount of **\$1,794,648.68**
2. Direct staff to pursue changes to the project.

**CITY MANAGER'S RECOMMENDED ACTION:**

This rehabilitation project is now complete and is under budget. By approving the change order and accepting the project it is possible to finalize SRF funding paperwork for loan repayment. Any savings from this project will be considered for additional inflow and infiltration sanitary sewer rehabilitation on future projects.

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