



Legislation Text

File #: ID-295-19, **Version:** 1

Department of Utilities

Reference: Sanitary Sewer Manhole Rehabilitation Project

To: Mayor Kenneth J. Kreutzer and Members of City Council

Through: Marvin Falconburg, Acting City Manager

Prepared By: Michael Woodruff, Director of Infrastructure

Date Prepared: September 19, 2019

PURPOSE

To request City Council acceptance and approval of the bid from Concrete Conservation Inc. and the allocation of the funds to acquire the services to rehabilitate sanitary sewer manholes, and approving the resolution giving the City Manager authority to sign the contract. Municipal Code Section 3.08.090, “. . . All bids and proposals in excess of \$50,000 shall be awarded through formal written procedures by the city council.”

STRATEGIC FOCUS AREA

Supportive, Sustainable Infrastructure

BACKGROUND/HISTORY

Sanitary sewer manholes are an integral part of the infrastructure that continuously conveys wastewater to the plant to be treated. Manholes are necessary for changes in direction of gravity pipelines. In addition, as the name implies, manholes are access point for operational personnel to maintain, clean, and repair sanitary sewer pipelines to make certain that the wastewater system functions properly. Manholes are typically constructed of concrete, with older manholes being built from brick and mortar. Overtime, manholes experience deterioration and corrosion from the constant off-gassing from wastewater that is being conveyed through them. If nothing is done to stop or prevent further corrosion, the structural integrity of manholes can be compromised and they need to be removed and replaced which is costly and disruptive.

This project will be to rehabilitate 206 manholes by using a multi-layered polymer lining method. The 206 manholes were chosen based on assessment of condition, age, and the amount of flow seen in the manholes. Consequently, some of the oldest manholes located on the largest conveyance lines are to be rehabilitated in this project.

FINANCIAL IMPACT

Sufficient funding was approved in the 2019 Sewer Activity Enterprise Fund.

STAFF RECOMMENDATION

In completing the review and evaluation of the bid from Concrete Conservation Inc. (the City and County of Broomfield Invitation for Bid # 17-016 going to Concrete Conservation Inc.), the recommendation is to approve the allocation of the funds required to rehabilitate the chosen sanitary sewer manholes, in the amount not-to-exceed Four Hundred Thousand Dollars (\$400,000.00).

OPTIONS FOR COUNCIL CONSIDERATION

- Approval as presented
- Reject

ATTACHMENTS:

- Resolution