



Department Source: City Utilities - Sewer/Stormwater

To: City Council

From: City Manager & Staff

Council Meeting Date: July 1, 2019

Re: Public hearing for the FY2019 Sanitary Sewer Rehabilitation Project

## Executive Summary

The proposed sanitary sewer system improvements will consist of rehabilitation of approximately 85,000 linear feet of sewer line, 250 sewer structures, and 300 lateral connections located throughout the City of Columbia.

The estimated cost of the project is \$3,200,000 and will be paid from Sanitary Sewer Utility enterprise revenue funds.

## Discussion

The scope of this proposed sanitary sewer system improvement project consists of rehabilitating sewer pipe, sewer structures, and lateral connections to the main located in various areas throughout Columbia. Approximately 85,000 linear feet will be rehabilitated due to structural deficiencies and to reduce Inflow and Infiltration (I&I) into the sewer main. Upon approval by City Council, the project is anticipated to begin in the fall of 2019 and continue into 2020.

The proposed rehabilitation project is a continuation of annual efforts to repair existing sewer infrastructure and reduce I&I. Work includes lining approximately 85,000 linear feet of sewer main and rehabilitating sewer structures which were identified by Sewer Utility staff during routine operation and maintenance activities. Many of these pipes are cracked or broken, nearing the point of failure. Rehabilitation of these lines will reduce inflow and infiltration (I&I) and the occurrence of stoppages. Reduction of I&I is part of the ongoing effort to reduce the number of backups into buildings and sanitary sewer overflows.

Rehabilitation of sewer mains will occur throughout Columbia. Some of the areas where several mains are proposed to be rehabilitated with this project include:

- Parkade
- Valleyview
- Whitegate
- Shepard Blvd
- Rock Bridge Subdivision (El Cortez)
- Blue Ridge and Oakland area

In the past, I&I sewer rehabilitation efforts have focused on the Flat Branch and County House Branch watersheds. This proposed scope of work is focusing on these additional established neighborhoods in Columbia where tree roots or other structural deficiencies have caused stoppages or building backups or the potential to do so. These areas are in the Bear Creek, Hinkson, and Mill Creek watersheds.



An Interested Parties (IP) meeting was held on May 7, 2019 for this project and the FY2019 Stormwater Infrastructure Rehabilitation Project. Six people attended the meeting (not including staff, Councilperson Peters, and news reporters). Staff met with others who were interested in the project but could not attend the meeting. See attached IP Contact Log.

The estimated cost for this project is \$3.2 million and would be funded through Sanitary Sewer Utility enterprise revenue.

## Fiscal Impact

Short-Term Impact: The total project cost, including construction, is estimated at \$3,200,000 and will be paid from Sanitary Sewer Utility enterprise revenue funds.

Long-Term Impact: Staff anticipates this project will not impact the Sewer Utility's annual maintenance and operation costs.

## Strategic & Comprehensive Plan Impacts

### Strategic Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Not Applicable, Tertiary Impact: Not Applicable

### Comprehensive Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Environmental Management, Tertiary Impact: Not Applicable

## Legislative History

Date	Action
06/17/2019	(R92-19) Setting a public hearing: proposed construction of the FY 2019 sanitary sewer rehabilitation project.
02/05/2018	Public Hearing
01/02/2018	(R2-18) Setting a public hearing for February 5, 2018 for the construction of the FY2018 sanitary sewer main and manhole rehabilitation project.
05/15/2017	Public Hearing
04/17/2017	(R50-17) Setting a public hearing for May 15, 2017 for the construction of the FY2017 sanitary sewer main and manhole rehabilitation project.
07/05/2016	Public Hearing
06/16/2016	(R61-16) Setting a public hearing for July 5, 2016 for the construction of the FY2016 sanitary sewer main and manhole rehabilitation project.



# City of Columbia

701 East Broadway, Columbia, Missouri 65201

05/18/2015 04/20/2015	Public Hearing (R66-15) Setting a public hearing for May 18, 2015 for the construction of the FY2015 sanitary sewer main and manhole rehabilitation project.
04/07/2014 03/03/2014	Public Hearing (R31-14) Setting a public hearing for April 7, 2014 for the construction of the FY2014 sanitary sewer main and manhole rehabilitation project.
04/02/2012 03/19/2012	Public Hearing (R40-12) Setting a public hearing for April 2, 2012 for the construction of the sanitary sewer main and manhole rehabilitation project.

## Suggested Council Action

Direct staff to proceed with the FY2019 Sanitary Sewer Rehabilitation Project.