



Department Source: City Utilities - Sewer/Stormwater

To: City Council

From: City Manager & Staff

Council Meeting Date: April 3, 2023

Re: Public hearing: proposed construction of sanitary sewer rehabilitation project #10 in the Bear Creek area

## Executive Summary

This is the public hearing concerning the Sanitary Sewer Rehabilitation #10 Project. The proposed sanitary sewer system improvements will consist of rehabilitation of approximately 53,000 linear feet of sewer line in the Bear Creek area. The resolution estimate for this project is \$7,025,000 and will be paid from the Sewer Utility Revenue Bonds approved in the 2013 ballot and other sewer revenue funds.

## Discussion

The scope of this proposed sanitary sewer system improvement project consists of rehabilitating sewer pipe and lateral connections to the sewer main located primarily along and adjacent to the Bear Creek in Columbia. See the attached Location Map.

Approximately 53,000 linear feet will be rehabilitated to repair structural deficiencies and to reduce Inflow and Infiltration (I&I) into the sewer main. A large amount of the pipe to be rehabilitated is the sewer trunk line itself, where the pipe sizes are greater than a typical residential eight-inch sanitary sewer main. The project is anticipated to begin in late 2023.

The proposed rehabilitation project is a continuation of annual efforts to repair existing sewer infrastructure and reduce I&I as part of the Wastewater and Stormwater Integrated Management Plan. Work includes lining approximately 53,000 linear feet of aging sewer main identified by Sewer Utility staff. The identified sewer trunk lines are either vitrified clay pipe or iron pipe adjacent to Bear Creek and prone to infiltration or 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 could occur throughout Columbia with this project. As shown on attached the Location Map the large trunk sewer along Bear Creek has been identified because of its age, proximity to the creek and poor condition. Because the work includes larger lines that carry significant flow, bypass pumping will be necessary for much of the project.

An Interested Parties (IP) meeting was held January 26, 2023, for the primary affected areas. No residents or customers attended the meeting. Staff communicated with others who were interested in the project but could not attend the meeting. Staff will work with people that might be affected or with any issues that might arise due to the lining of the sewers and associated bypass pumping. The resolution estimate for this project is \$7,025,000 and will be paid from Sewer Utility Revenue Bonds approved in the 2013 ballot and other sewer revenue funds.



## Fiscal Impact

Short-Term Impact: Resolution estimate of \$7,025,000 to be paid from Sanitary Sewer Revenue Bond Funds and other sewer revenue funds.

Long-Term Impact: Reduced impact to annual maintenance and operation costs.

## Strategic & Comprehensive Plan Impact

### Strategic Plan Impacts:

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

### Comprehensive Plan Impacts:

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

## Legislative History

Date	Action
03/20/2023	R36-23 Setting a public hearing: proposed construction of sanitary sewer rehabilitation project #10 in the Bear Creek area.
01/26/2023	Sewer Rehab #10 IP meeting
03/21/2022	B76-22 Authorizing construction of sanitary sewer rehabilitation project #9 in the Business Loop 70 and downtown areas; calling for bids through the Purchasing Division or authorizing a contract for the work using a term and supply contractor.
12/20/2021	PH49-21 Public Hearing Proposed construction of sanitary sewer rehabilitation project #9 in the Business Loop 70 and downtown areas.
12/08/2021	R186-21 Setting a Public Hearing; proposed construction of sanitary sewer rehabilitation project #9 in the Business Loop and downtown areas.
11/09/2021	Sewer Rehab #9 IP meeting
10/18/2021	B323-21 Authorizing construction of sanitary sewer rehabilitation project #8 in the Parkade Boulevard, Lynnwood Drive and Albert-Oakland Park areas; calling for bids through the Purchasing Division or authoring a contract for the work using a term and supply contractor.
09/07/2021	PH34-21 Public Hearing for the proposed FY 2021 Sanitary Sewer Rehabilitation #8 Project.
08/16/2021	R138-21: Setting a Public Hearing for September 7, 2021 for the proposed FY2021 Sanitary Sewer Rehabilitation #8 Project.
07/15/2021	Lynnwood Dr. neighborhood IP meeting
07/08/2021	Albert-Oakland Park neighborhood IP meeting
07/01/2021	Parkade neighborhood IP meeting



# City of Columbia

701 East Broadway, Columbia, Missouri 65201

02/01/2021	B35-21 Amending the FY 2021 Annual Budget by appropriating funds for sewer rehabilitation projects.
10/19/2020	B286-20 Authorizing construction of the FY 2019 sanitary sewer main and manhole rehabilitation project; calling for bids through the Purchasing Division.
07/01/2019	PH32-19: Public Hearing: Proposed construction of the FY 2019 sanitary sewer rehabilitation project.
06/17/2019	R92-19: Setting a public hearing: proposed construction of the FY 2019 sanitary sewer rehabilitation project.
03/05/2018	B50-18 Authorizing construction of the FY 2018 sanitary sewer main and manhole rehabilitation project; calling for bids through the Purchasing Division.
02/05/2018	PH5-18: Public Hearing: Proposed construction of the FY 2018 sanitary sewer main and manhole rehabilitation project.
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	PH13-17: Public Hearing: Proposed construction of the FY 2017 sanitary sewer main and manhole rehabilitation project.
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	PH21-16: Public Hearing: Construction of the sanitary sewer main and manhole rehabilitation project.
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.
05/18/2015	Public Hearing
04/20/2015	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	Public Hearing
03/03/2014	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	Public Hearing
03/19/2012	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 sanitary sewer rehabilitation project #10.