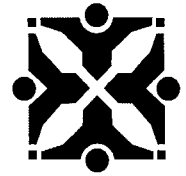


City of Columbia

701 East Broadway, Columbia, Missouri 65201



Agenda Item Number: (C)

Department Source: Public Works

To: City Council

From: City Manager & Staff

Council Meeting Date: 5/18/2015

Re: Public Hearing - FY 2015 Sanitary Sewer Main and Manhole Rehabilitation Project

Documents Included With This Agenda Item

Council memo

Supporting documentation includes: Map

Executive Summary

A public hearing concerning the FY 2015 Sanitary Sewer Main and Manhole Rehabilitation Project. The proposed sanitary sewer system improvement project will consist of rehabilitating approximately 40,000 linear feet of sewer line, rehabilitation of 125 manholes and 550 lateral connection rehabilitations. The estimated cost of the project is \$2,700,000 and will be paid from Sanitary Sewer Utility funds.

Discussion

The scope of this proposed sanitary sewer system improvement project consists of rehabilitating approximately 40,000 linear feet of sewer line, 125 manholes, and 550 lateral connection repairs. The project will focus on inflow and infiltration (I&I) reduction and repairing structurally deficient sewer lines. Approximately 25,000 feet of sewer will be rehabilitated for I&I reduction and 15,000 linear feet will be rehabilitated due to structural deficiencies of the sewer main. This project is anticipated to begin in the summer of 2015, if approved by Council.

Sanitary Sewer Main and Manhole Rehabilitation for I&I Reduction

The I&I reduction work will consist of rehabilitating approximately 25,000 linear feet of sewer line, 125 manholes and 550 lateral connection repairs. This portion of the project is part of the ongoing effort to reduce the amount of I&I that enters the sanitary sewer system in order to reduce wet weather sanitary sewer overflows and backups into buildings. The sewer main and manhole rehabilitation work for I&I reduction will be focused in the Country House Branch watershed (priority basin #4) as shown on the attached diagram.

City staff and TREKK Design Group have been working in these areas over the past several years to identify I&I sources and sewer infrastructure rehabilitation needs. The scope of the rehabilitation work for this project was identified by smoke testing, closed circuit TV inspections and GIS data.

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Structural Repairs

The other portion of this project is to repair approximately 15,000 linear feet of structurally deficient (cracked or broken) sewer mains that have been identified by sewer utility staff during the performance of routine operation and maintenance activities. The structurally deficient lines are located in various areas throughout Columbia and need to be repaired in order to keep the sewer collection system functioning properly.

Fiscal Impact

Short-Term Impact: The total project cost, including construction, is estimated at \$2,700,000 and will be paid from Sanitary Sewer Utility funds that were provided as part of the 2013 ballot.

Long-Term Impact: Staff anticipates this project will not change the sewer utility's annual maintenance and operation costs

Vision, Strategic & Comprehensive Plan Impact

Vision Impact: Environment

Strategic Plan Impact: Infrastructure

Comprehensive Plan Impact: Environmental Management, Infrastructure

Suggested Council Action

Council should make a motion directing staff to proceed with construction of the FY2015 Sanitary Sewer Main and Manhole Rehabilitation Project

Legislative History

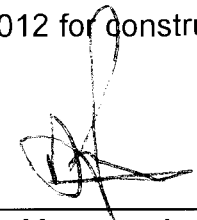
4/20/15 (R66-15) Setting a public hearing for May 18, 2015 for construction of the FY2015 sanitary sewer main and manhole rehabilitation project.

3/03/14 (R31-14) Setting a Public Hearing for April 7, 2014 for construction of the FY2014 sanitary sewer main and manhole rehabilitation project.

4/19/12 (R40-12) Setting a Public Hearing for April 2, 2012 for construction of the sanitary sewer main and manhole rehabilitation project.



Department Approved



City Manager Approved



SUPPORTING DOCUMENTS INCLUDED WITH THIS AGENDA ITEM ARE AS FOLLOWS:

Map

