



# City of Columbia

701 East Broadway, Columbia, Missouri 65201

Department Source: City Utilities - Sewer/Stormwater

To: City Council

From: City Manager & Staff

Council Meeting Date: February 21, 2022

Re: Authorizing construction of the Hinkson Creek Bank Stabilization adjacent to the Clear Creek sewer force main and gravity sewer main located east of Boulder Drive and west of Rock Quarry Road; calling for bids through the Purchasing Division or authorizing a contract for the work using a term and supply contractor.

## Executive Summary

Staff has prepared for Council consideration an ordinance authorizing construction and issuing a contract for the work or a bid call through the Purchasing Division for the Hinkson Creek Bank Stabilization adjacent to the Clear Creek sewer force main and gravity sewer main located east of Boulder Drive and west of Rock Quarry Road, as shown on the attached Location Map. The public hearing for this project was held on January 3, 2022. The resolution estimate is \$220,000, and will be paid from Storm Water and Sanitary Sewer Utility funds.

## Discussion

The proposed improvements include installing 430 feet of Linear Peak Stone Toe (LPST) with Bendway Weirs, see the attached Project Graphic. This method of stream bank stabilization uses large rock and existing trees in the channel to protect the area of concern. By deliberately placing these materials, stream flows and erosive forces are directed away from existing banks. The materials also provide habitat for stream life. Therefore, this project will achieve multiple benefits of protecting sewer infrastructure, reducing the erosion of sediment into Hinkson Creek and improving habitat for macroinvertebrates in Hinkson Creek. This ordinance authorizes construction either through the City's term and supply contracts or by bidding through Purchasing, whichever is most appropriate.

An Interested Parties (IP) meeting was held on December 2, 2021. The project was presented to all Hinkson Creek Collaborative Adaptive Management committees on November 19, 2021 and December 13, 2021. A public hearing for this project was held on January 3, 2022. The resolution estimate for the project is \$220,000 and will be paid from Sanitary Sewer and Storm Water Utility funds.

## Fiscal Impact

Short-Term Impact: \$220,000

Long-Term Impact: Prevents potential emergency damage to the sewer force main and emergency repairs.



## Strategic & Comprehensive Plan Impact

### Strategic Plan Impacts:

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

### Comprehensive Plan Impacts:

Primary Impact: Environmental Management, Secondary Impact: Infrastructure, Tertiary Impact: Livable & Sustainable Communities

## Legislative History

Date	Action
01/03/2022	PH2-22: Hinkson Creek Bank Stabilization adjacent to the Clear Creek sewer force main and gravity sewer main located east of Boulder Drive and west of Rock Quarry Road
12/20/2021	R192-21: Hinkson Creek Bank Stabilization adjacent to the Clear Creek sewer force main and gravity sewer main located east of Boulder Drive and west of Rock Quarry Road
12/13/2021	Hinkson Collaborative Adaptive Management Stakeholder Meeting
12/02/2021	IP Meeting
11/19/2021	Hinkson Collaborative Adaptive Management Joint Action Team and Science Team meeting presentation

## Suggested Council Action

Approval of the ordinance.