



Department Source: City Utilities - Sewer/Stormwater

To: City Council

From: City Manager & Staff

Council Meeting Date: July 17, 2023

Re: Authorizing an intergovernmental cooperative agreement with Boone County, Missouri and The Curators of the University of Missouri for a water quality analysis project as it relates to the Hinkson Creek collaborative adaptive management (CAM).

Executive Summary

Staff has prepared for Council consideration an ordinance that will authorize the City Manager to execute an Intergovernmental Cooperative Agreement between the City of Columbia, the County of Boone, and the Curators of the University of Missouri for a Hinkson Creek Collaborative Adaptive Management (CAM) Cost Sharing Study: Hinkson Creek Continuous Water Quality Monitoring Project.

Discussion

On April 1, 2013, Council authorized an Intergovernmental Cooperative Agreement between the City of Columbia, the County of Boone, and the Curators of the University of Missouri (MS4 Partners) with regard to how the Parties will contribute to projects that are initiated in the CAM process. The agreement is Exhibit A of Attachment A to the Ordinance. In that agreement, it states that for research, study or monitoring-type projects, the three entities will each be responsible for one-third of the project cost. For each project, the MS4 Partners shall agree in writing to the project.

At the CAM Stakeholders meeting on December 12, 2022, the Stakeholders voted to support the MS4 Partners moving forward with the "Hinkson Creek Continuous Water Quality Monitoring Study (Chloride Study)". The scope of this study is detailed in Exhibit B of Attachment A to the Ordinance. The study would deploy sensors in main-stem Hinkson Creek and major tributaries over a three-year period to collect information to be used as a proxy for chloride.

Previous samples indicate a higher-than-normal level of chloride concentrations in Hinkson Creek. This project will build upon previous efforts by continuously looking at water quality and critical chloride contaminants that may be related to increased urbanization in the watershed. The County of Boone will provide project administration to retain Geosyntec to perform the study. The proposed agreement fits with the framework of the April 2013 Intergovernmental Cooperation Agreement with the MS4 partners for sharing the costs for CAM related studies.

The total budget for the study is \$124,500, with each of the parties' total proportionate one-third costs not exceeding \$41,500. The City portion of this study will be paid for by Storm Water Utility Funds.



Fiscal Impact

Short-Term Impact: \$41,500.00

Long-Term Impact: There is no long term impact associated with this study.

Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

Primary Impact: Reliable Infrastructure, Secondary Impact: Organizational Excellence,

Tertiary Impact: Tertiary

Comprehensive Plan Impacts:

Primary Impact: Environmental Management, Secondary Impact: Inter-Governmental Cooperation, Tertiary Impact: Tertiary

Legislative History

| Date | Action |
|------------|--|
| 06/06/2022 | REP 43-22 Collaborative Adaptive Management (CAM) Progress Report 2019-2020 from the CAM Stakeholder Committee. |
| 03/07/2022 | REP21-22 Appointment of Stakeholders to the Hinkson Creek Collaborative Adaptive Management Stakeholder Committee. |
| 10/18/2021 | B324-21 Authorizing an intergovernmental cooperative agreement with Boone County, Missouri and the Curators of the University of Missouri for a chemical analysis sampling project as it relates to the Hinkson Creek collaborative adaptive management (CAM) implementation process |
| 09/07/2021 | REP66-21 Appointment of Stakeholders to the Hinkson Creek Collaborative Adaptive Management Stakeholder Committee. |
| 08/17/2020 | REP46-20 Collaborative Adaptive Management (CAM) Progress Report 2017-2018 from the CAM Stakeholder Committee. |
| 05/04/2020 | B98-20 Authorizing an intergovernmental cooperative agreement with Boone County, Missouri and The Curators of the University of Missouri for a chemical analysis project as it relates to the Hinkson Creek collaborative adaptive management (CAM) implementation process; amending the FY 2020 Annual Budget by appropriating funds. |
| 04/20/2020 | B83-20 Authorizing an intergovernmental cooperative agreement with Boone County, Missouri and The Curators of the University of Missouri for a synoptic sampling project as it relates to the Hinkson Creek collaborative adaptive management (CAM) implementation process; amending the FY 2020 Annual Budget by appropriating funds. |



City of Columbia

701 East Broadway, Columbia, Missouri 65201

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| 01/07/2019 | B322-18 Authorizing an intergovernmental cooperative agreement with the County of Boone and The Curators of the University of Missouri for an aquatic macroinvertebrate data mining project as it relates to the Hinkson Creek collaborative adaptive management (CAM) implementation process; appropriating funds. |
| 12/18/2017 | R182-17 Appointing the City Manager, or the City Manager's designee, as an alternate voting member of the Hinkson Creek Collaborative Adaptive Management Stakeholder Committee. |
| 11/06/2017 | B316-17 Authorizing construction of the El Chaparral riparian restoration project on a City-owned tract located along the south fork of the Grindstone Creek; authorizing the Purchasing Division to call for bids or contract for a portion of the work. |
| 08/21/2017 | PH28-17 Proposed construction of the El Chaparral riparian restoration project on a City-owned tract located along the south fork of the Grindstone Creek. |
| 07/17/2017 | R91-17 Setting a public hearing: proposed construction of the El Chaparral riparian restoration project on a City-owned tract located along the south fork of the Grindstone Creek. |
| 11/03/2015 | Ord 22630 Authorizing an Intergovernmental Cooperative Agreement Partial Performance Acknowledgement of Hinkson Creek Physical Habitat Assessment as it relates to the collaborative adaptive management implementation (CAM) process to address the total maximum daily load (TMDL) for Hinkson Creek |
| 08/05/2014 | Res 134-14 Transferring funds for the Collaborative Adaptive Management (CAM) - Hubbard assessment project and for construction of the West Broadway sewer project Ord 21646 |
| 04/02/2013 | Authorizing an intergovernmental cooperation agreement with Boone County and the University of Missouri as it relates to collaborative adaptive management implementation process to address total maximum daily load for Hinkson Creek |
| 11/05/2012 | Res 205-12 Temporary Appointment to Action Team |
| 04/17/2012 | Ord 21291 Authorizing a collaborative adaptive management implementation schedule and agreement for Hinkson Creek TMDL |

Suggested Council Action

Approval of the ordinance.