



Department Source: City Utilities - Sewer/Stormwater

To: City Council

From: City Manager & Staff

Council Meeting Date: January 19, 2016

Re: Authorizing an Engineering Services Agreement with HDR to develop an Integrated Management Plan for the Sanitary Sewer and Storm Water Utilities and Appropriating Funds

Executive Summary

Staff has prepared for Council consideration an ordinance authorizing the City Manager to execute an agreement with HDR of Columbia, Missouri, and appropriating funds in the amount of \$817,300.00, to provide professional engineering services to develop the Integrated Management Plan for the Sanitary Sewer and Storm Water Utilities.

Discussion

The scope of services for this engineering agreement involves providing the necessary professional services to develop an Integrated Management Plan (IMP) for the Sanitary Sewer and Storm Water Utilities. The tasks identified in the attached scope will meet City requirements and specific United States Environmental Protection Agency's (EPA) Integrated Planning Framework Elements and provide a plan for implementation.

In 2011, the City received notification from the Missouri Department of Natural Resources of the potential need of an Administrative Order on Consent (AOC) to resolve sanitary sewer overflows and certain discharge violations. The City has been negotiating with Missouri Department of Natural Resources (MDNR) since that time to resolve the matter in a mutually agreeable way. Since then the Sanitary Sewer Utility has completed a \$67.1 million upgrade to the Regional Wastewater Treatment Facility in 2014 and is currently in the process of renewing the plant operating permit. In 2011, the City became a party to the Hinkson Creek Collaborative Adaptive Management (CAM) process to address the Total Maximum Daily Load (TMDL) for water quality impairments based on macroinvertebrate sampling. These different, yet overlapping statutory and policy mandates combined with anticipated regulatory changes for both sanitary sewer and storm water are the drivers for development of an IMP. In the attached letter from MDNR, Mr. Madras confirms that the IMP approach will be the foundation for the resolution to the potential AOC and permit renewal.

By identifying efficiencies and resolving competing requirements from separate wastewater and storm water programs, the IMP for Clean Water Act (CWA) issues will help the City meet regulatory obligations while continuing to address related challenges in operating and maintaining existing infrastructure investments. The IMP process will allow the City to develop flexible long-term infrastructure plans that provide greater control of the magnitude and timing of regulatory uncertainties and prioritize sustainable and comprehensive solutions that improve water quality and provide multiple benefits to the community. An affordability analysis provides critical information to develop a long-term plan that allows the Utilities to maintain affordable user fees and leverage expenses to meet multiple goals. The format of



the proposed IMP will be based on the EPA June 2012 Integrated Municipal Stormwater and Wastewater Planning Approach Framework.

HDR has been selected for this project in accordance with the City's professional consultant procurement guidelines based upon their understanding of the project requirements and their experience with similar projects. The total engineering contract not to exceed amount of \$817,300 is within the usual and customary guidelines for this type of project.

Fiscal Impact

Short-Term Impact: The engineering contract is for a not-to-exceed amount of \$817,300. \$735,570 will be appropriated from the Sanitary Sewer Utility and \$81,730 from the Storm Water Utility.

Long-Term Impact: By developing and implementing a long-term plan, the City can maintain affordable user fees and more reasonably plan for future infrastructure and regulatory costs.

Vision & Strategic Plan Impact

Vision Impacts:

Primary Impact: Environment, Secondary Impact: Governance & Decision Making, Tertiary Impact: Development

Strategic Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Operational Excellence, Tertiary Impact: Tertiary

Comprehensive Plan Impacts:

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

Legislative History

Date	Action
None	

Suggested Council Action

Authorize the City Manager to execute an agreement with HDR to provide professional engineering services for the Integrated Management Plan for the Sanitary Sewer and Storm Water Utilities and appropriate the funds.