



Department Source: City Utilities - Solid Waste

To: City Council

From: City Manager & Staff

Council Meeting Date: July 15, 2019

Re: Authorizing an agreement for professional engineering services with Weaver Consultants Group, LLC for the Columbia Sanitary Landfill Horizontal Expansion Permitting Project – Phase II and; amending the FY 2019 Annual Budget by appropriating funds.

Executive Summary

Staff has prepared for Council consideration an ordinance authorizing the City Manager to execute an agreement with Weaver Consultants Group, LLC in the amount of \$1,072,012 to provide engineering services for the Columbia Sanitary Landfill Horizontal Expansion Permitting Project – Phase II. This ordinance includes and appropriation for \$200,000 to cover the costs for the work performed under this agreement.

Discussion

The Columbia Landfill Site Master Plan was approved by Council on April 16, 2018. The master plan identified an expansion area south of the current permitted landfill area as the best option to serve the City's future waste disposal needs and provide a source of renewable energy. The purpose of the Landfill Lateral Expansion Permitting Project is to follow the master plan findings and continue the multi-year process of permitting additional landfill space on the Columbia Landfill property. Due to the extensive scope of work and the fact that the Landfill Lateral Expansion Permitting project will take up to five years to complete, staff has proposed to break the project into multiple engineering phases.

The scope of work for the initial phase I engineering agreement with Weaver Consultants Group was approved by council on October 17, 2018 and included the following:

- Prepare a public involvement plan and conduct public involvement sessions.
- Conduct public meetings.
- Conduct preliminary site investigation.
- Conduct ecological and natural resource assessment.
- Develop a detailed site investigation work plan.

This work has been completed and both the Preliminary Site Investigation and Detailed Site Investigation Work Plans have been approved by the Missouri Department of Natural Resources.

The scope of the work for this second phase II engineering agreement with Weaver Consultants Group is to:

- Conduct administrative meetings and community involvement sessions associated with the Detail Site Investigation (DSI)
- Complete DSI field work
- Complete DSI Investigation report.
- Develop preliminary landfill design options based on DSI findings.



- Complete Phase 2/4 Endangered Species Study.

The results of the public involvement sessions, the detailed site investigation and the ecological and natural resource assessment will feed into the development of the landfill expansion application and landfill design documents. A third phase of engineering work is anticipated in the future should the Missouri Department of Natural Resources approve the Detailed Site Investigation performed under this agreement.

The long term total project cost is currently estimated to be approximately \$1,580,000. \$1,080,069 has been appropriated to date. With additional appropriations of \$200,000 and \$300,000 planned for FY 2020 and FY 2021, respectively. \$185,763 has been used for the first phase of the engineering services. An appropriation of \$200,000 is included to provide funding necessary to cover the costs of this agreement. If approved, the proposed appropriation of \$200,000 will be removed from the fiscal year 2020 budget.

Fiscal Impact

Short-Term Impact: The not-to-exceed amount for this agreement is \$1,072,012.
 Long-Term Impact: The third and final phase of the expansion permitting work is currently estimated to be approximately \$325,000.

Strategic & Comprehensive Plan Impact

[Strategic Plan Impacts:](#)

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

[Comprehensive Plan Impacts:](#)

Primary Impact: Environmental Management, Secondary Impact: Infrastructure, Tertiary Impact: Not Applicable

Legislative History

Date	Action
10/15/2018	B243-18 Authorizing an agreement for professional engineering services with Weaver Consultants Group, LLC for the Columbia Sanitary Landfill lateral expansion permitting project.
04/16/2018	R61-18 Approving the City of Columbia Landfill Site Master Plan.

Suggested Council Action

Approve the ordinance authoring the City Manager to execute the agreement and appropriate the funds.