



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Department Source: City Utilities - Solid Waste

To: City Council

From: City Manager & Staff

Council Meeting Date: May 16, 2022

Re: Authorizing an agreement for professional engineering services with Weaver Consultants Group, LLC for the Columbia Sanitary Landfill Horizontal Expansion Permitting Project – Phase III.

Executive Summary

Staff has prepared for Council consideration a resolution authorizing the City Manager to execute an agreement with Weaver Consultants Group, LLC in the amount of \$412,551 to provide engineering services for the Columbia Sanitary Landfill Horizontal Expansion Permitting Project – Phase III.

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.

The first engineering agreement with Weaver Consultants Group for the Landfill Lateral Expansion Permitting project was approved by council on October 17, 2018 and is now complete. The scope of work for this contract 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.

The second engineering agreement with Weaver Consultants Group for the Landfill Lateral Expansion Permitting project was approved by council on August 8, 2019 and is now complete. The scope of work for this contract included the following:

- 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.



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This engineering agreement that is up for council consideration is the third and final contract with Weaver Consultants Group in a multi-year and multi-phase engineering project to secure permitting approval for an additional 135 acres of disposal area. This additional disposal area will provide Columbia with 40-80 years of additional disposal capacity at the landfill facility. The scope of work for this contract includes the following:

- Conduct additional geotechnical analysis in support of the Detail Site Investigation (DSI)
- Develop a solid waste permit modification and perform the required engineering analysis to vertically expands the current landfill bound by permit number 0101908
- Develop a solid waste permit application with associated design documents and perform the required engineering analysis to permit a new landfill foot print area at the existing site.

It is anticipated that upon completion of this engineering agreement, Solid Waste Utility will be able to proceed with the detailed design process for the first landfill disposal cell within the new 135 acres disposal area.

The long term total project cost is currently estimated to be approximately \$2,310,000. \$2,386,696 has been appropriated to date.

Fiscal Impact

Short-Term Impact: The not-to-exceed amount for this agreement is \$412,551.

Long-Term Impact: There should be no additional cost for the expansion permitting.

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



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Legislative History

Date	Action
10/19/2020	B282-20 Authorizing Amendment No. 2 to the agreement for professional engineering services with Weaver Consultants Group, LLC for the Columbia Sanitary Landfill Horizontal Expansion Permitting project – Phase III
2/3/2020	B14-20 Authorizing Amendment No. 1 to the agreement for professional engineering services with Weaver Consultants Group, LLC for the Columbia Sanitary Landfill Horizontal Expansion Permitting project – Phase II
8/5/2019	B200-19 Authorizing an agreement for professional engineering services with Weaver Consultants Group, LLC for the Columbia Sanitary Landfill Horizontal Expansion Permitting Project – Phase II.
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

Approval of the resolution.