



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: December 16, 2024

Re: Authorizing an amendment to the agreement for professional engineering services with Weaver Consultants Group, LLC for the Columbia Sanitary Landfill Horizontal Expansion Permitting Project – Phase II; amending the FY2024 Annual Budget by appropriating funds.

Executive Summary

Staff has prepared for Council consideration an ordinance authorizing the City Manager to execute an amendment to the agreement with Weaver Consultants Group, LLC for the Columbia Sanitary Landfill Horizontal Expansion Permitting Project – Phase II. This amendment is necessary in order to satisfy regulatory requirements and to address additional geologic data requested by the Missouri Department of Natural Resources Geologic Support Program (MDNR-GSP). This ordinance will authorize a not to exceed increase of \$90,825 to the total project cost and appropriate an additional \$19,000 to the project budget necessary to complete the project.

Discussion

The agreement for professional engineering services with Weaver Consultants Group, LLC for Columbia Sanitary Landfill Horizontal Expansion Permitting Project – Phase II was authorized by Council on August 5, 2019 for a not to exceed amount of \$1,072,012.

The original scope of services for the Columbia Sanitary Landfill Horizontal Expansion Permitting Project – Phase II included field work for the detailed site investigation. This field work included 73 borings and test pits to collect groundwater samples and monitor groundwater elevations for up to one year in accordance with Missouri state regulations. The work plan for the original scope was developed using historic geologic and hydrogeological data from the existing landfill site. Data collected during the initial borings associated with this project indicated that the original assumptions utilized in the development of the DSI work plan were not accurate.

Amendment No. 1

Amendment No. 1 to this agreement was authorized by Council on February 3, 2020 to increase the not to exceed amount by \$493,667 (making the total not to exceed amount \$1,565,679). This amendment was in response to regulatory requirements that increased the total linear footage of borings by 53% from approximately 5085 feet to approximately 7755 feet.

Amendment No.2

Amendment No. 2 to this agreement was authorized by Council on October 19, 2020 to increase the not to exceed amount by \$145,658 (making the total not to exceed amount \$1,711,337). This amendment was in response to weather related delays resulting in losses of



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approximately 50% of the planned work days, the conversion of 8 test pit locations to piezometers and the addition of two borings to complete the subsurface characterization of the northeastern portion of the Landfill Horizontal Expansion site.

Amendment No. 3

Additional work was identified following an on-site meeting with the Missouri Department of Natural Resources Geologic Support Program in June 2024. Due to concerns regarding core samples collected from B30, B42 and B78 additional borings and data collection are required in these areas. The expenses related to additional borings in the vicinity of B30, B42, and B78 will result in a not to exceed contract amendment of \$90,825. An appropriation in the amount of \$19,000 is necessary to fund this additional work. This appropriation will come from the Solid Waste retained earnings.

Fiscal Impact

Short-Term Impact: This proposed amendment of \$90,825 will bring the total not to exceed amount of Phase II services to \$1,802,162 requiring an appropriation of \$19,000 from retained earnings.

Long-Term Impact: Once the permitting project is complete the anticipated cost to design and construct the initial landfill cell and associated infrastructure is anticipated to be approximately \$11,000,000. \$6,000,000 has been appropriated to date and the additional \$5,000,000 will be included in the FY 2026 and FY2027 CIP budgets.

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 II.
02/03/2020	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.
08/05/2019	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

Approve the ordinance.