



Department Source: City Utilities - Solid Waste

To: City Council

From: City Manager & Staff

Council Meeting Date: October 5, 2020

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.

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 weather related project delays. The amendment will authorize a not to exceed increase of \$145,658.

Discussion

An 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. An amendment 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%.

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. This led to the first contract amendment and modification of the work plan which increased the overall total linear feet of borings from approximately 5085 feet to approximately 7755 feet.

Since February 3, 2020 (date Council approved the first contract amendment), approximately 50% of the planned work days have been lost or shortened due to weather and deteriorated site access conditions; however equipment rental cost and crew travel expenses have continued to accrue.

There has also been additional geological data collected that revealed 8 test pit locations will have a termination depth greater than 15 feet, which is deeper than originally planned.



In order to comply with regulatory requirements piezometers must be installed and monitored at these 8 locations instead of the test pit that was originally planned.

Additional work was identified following an on-site meeting with the Missouri Department of Natural Resources Geologic Support Program in July of 2020. It was determined that two additional borings were required in order to complete the subsurface characterization of the northeastern portion of the Landfill Horizontal Expansion site.

The expenses related to extensive weather related delays and regulatory requirements (8 piezometers and 2 borings) will result in a not to exceed contract amendment of \$145,658.

This ordinance authorizes 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, to satisfy regulatory requirements and address weather related project delays. The additional funding needed to facilitate this amendment within the FY21 Solid Waste CIP budget.

Fiscal Impact

Short-Term Impact: The current not-to-exceed amount for the engineering agreement (including the previous amendment) is \$1,565,679. This proposed amendment of \$145,658 will bring the total not to exceed amount of this agreement to \$1,711,337.

Long-Term Impact: The third and final phase of the Columbia Sanitary Landfill Horizontal Expansion Permitting Project is estimated to be \$325,000. The total cost of all phases of the Columbia Sanitary Landfill Horizontal Expansion Permitting Project is estimated to be \$2,250,000, which includes the proposed \$145,658 amendment to the phase II agreement.

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
02/03/2020	B14-20 Authorizing Amendment No.1 to the agreement for professional engineering services with Weaver Consultants Group, LLD for the Columbia Sanitary Landfill Horizontal Expansion Permitting Project – Phase II.



City of Columbia

701 East Broadway, Columbia, Missouri 65201

08/05/2019	B200-19 Authorizing an agreement for professional engineering services with Weaver Consultants Group, LLD 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 authoring the City Manager to execute the amendment to the agreement.