

IMPACT STATEMENT

Legislation title: Authorize a contract with Carollo Engineers, Inc. to provide professional engineering services for the Columbia Boulevard Wastewater Treatment Plant Blower System and Building Rehabilitation Project, BES Project number E11038, in the amount of \$4,374,679 (Ordinance: authorize Contract No. 30007680)

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Purpose of proposed legislation and background information:

The purpose of the proposed legislation is to authorize the City to execute a contract for professional, technical, and expert (PTE) services with Carollo Engineers Inc. to provide engineering services for the Columbia Boulevard Wastewater Treatment Plant (CBWTP) Blower System and Building Rehabilitation Project.

CBWTP collects and treats an annual daily average of 76 million gallons per day (MGD) of municipal wastewater from the City's collection system. CBWTP utilizes secondary treatment process to treat wastewater to meet the permit requirements. The aeration blower system is a critical component of secondary treatment process at CBWTP. Components of the existing system have reached the end of their service life and need replacement and upgrade to improve energy efficiency, system reliability, and meet the treatment operation need.

The project is to replace aged blowers and associated air piping, rehabilitate the blower building, upgrade blower controls, and provide other related improvements. The PTE contract includes development and evaluation of project alternatives, pre-design and design based on selected alternative, and engineering support during bid and construction phases. Scope of work is in compliance with Bureau of Environmental Services capital project implementation plan, as followings:

- a. Project Development Phase – Alternative analysis and recommendation of selected alternative
- b. Pre-Design Phase – Engineering design services to 30% Design completion
- c. Design Phase – Engineering design services and permitting support to 100% Design completion and bid document preparation
- d. Procurement Phase – Engineering support services to the project bid
- e. Construction Phase – Engineering support services to construction and system testing
- f. Closeout Phase – Startup and operation support services

Financial and budgetary impacts:

The compensation for this agreement is \$4,374,679. The Level of Confidence Rating for this agreement is “High”.

The estimated project budget is \$20 million. Funds for this project are available through annual appropriations within Sewer System Operating Fund, WBS Element E 11038 with the Bureau of Environmental Services’ FY 2021-26 Capital Improvement Plan.

This legislation will neither generate nor reduce current or future revenue. No current positions will be affected, and no positions will be created, eliminated, or reclassified as a result of this legislation.

Community impacts and community involvement:

The project is located at the Columbia Boulevard Wastewater Treatment Plant. It is anticipated that there will be minimal to no impact to the community due to the execution of this contract. Regular updates on the project will be provided to the Citizens Advisory Committee for CBWTP.

There are nine (9) COBID sub-consulting firms included in this contract, and their participation is anticipated to be 42.9% of the total contract amount.

100% Renewable Goal:

- This project will neither increase nor decrease the City’s total energy use.
- This project neither contributes nor takes away from the City’s goal of meeting 100 percent of community-wide energy needs with renewable energy by 2050.

Budgetary Impact Worksheet

Does this action change appropriations?

- YES:** Please complete the information below.
 NO: Skip this section

Fund	Fund Center	Commitment Item	Functional Area	Funded Program	Grant	Sponsored Program	Amount