

ORDINANCE No.

Authorize a competitive solicitation and contract with the lowest responsible bidder and provide payment for construction of the Columbia Boulevard Wastewater Treatment Plant Headworks Screening Improvements Project No. E10805 for an estimated amount of \$12 million (Ordinance)

The City of Portland ordains:

Section 1. The Council finds:

1. The Bureau of Environmental Services (BES) operates the Columbia Boulevard Wastewater Treatment Plant (CBWTP) to provide wastewater treatment for the City of Portland, in accordance with State of Oregon Department of Environmental Quality (DEQ) issued NPDES (National Pollutant Discharge Elimination System) permit requirements.
2. The Bureau of Environmental Services (BES) needs to construct improvements to the Columbia Boulevard Wastewater Treatment Plant (CBWTP) Headworks.
3. The estimated cost is \$12,000,000. The level of confidence in the estimate is high. Funds are available in the Sewer System Operating Fund, FY 21-22, FY 22-23, and FY 23-24 Budget, Bureau of Environmental Services, WBS Element E10805.
4. BES seeks Council's authorization for Procurement Services to issue a competitive solicitation and execute a contract for the Project.

NOW, THEREFORE, the Council directs:

- a. The Chief Procurement Officer is authorized to facilitate the use of the competitive solicitation process in accordance with City Code Chapter 5.34 in order to obtain the most responsible and responsive bid for the construction of the CBWTP Headworks Screening Improvements Project.
- b. Upon the Council's acceptance of the Chief Procurement Officer's report recommending the lowest responsible bidder, the Chief Procurement Officer is authorized to negotiate and execute a contract, provided the contract has been approved as to form by the City Attorney's office, with the lowest responsive bidder for the purposes described in Section 1.
- c. The Mayor and City Auditor are hereby authorized to pay for the contract from the Sewer System Operating Fund Budget when demand is presented and approved by the proper authority.

Passed by the Council:
Commissioner Mingus Mapps

Prepared by: Paul Suto
Date prepared 12/8/2020

Cost object – E10805

Mary Hull Caballero
Auditor of the City of Portland
By

Deputy

Engineer's Estimate Checklist for **Optimal Confidence**

Project Name/Number: CBWTP Headworks Screening Improvements

Engineer: CDMSmith

Level of Effort to prepare this estimate: 90% design

Items included in this estimate: Construction contract

Items excluded in this estimate: Engineering during construction, City labor, legal costs, impacts of COVID-19

Project Scope

	<u>Yes</u>	<u>No</u>	<u>Not Applicable</u>
Is the project scope clearly understood and well defined?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are pay items identified according to project Specifications?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are materials and quantities accurate for execution of the job?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is the extent of street resurfacing understood and accounted for?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is utility coordination and/or relocation, and potential project delay, understood and accounted for in this estimate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are environmental and soil conditions understood, and are the extent and methods of any required disposal accounted for in this estimate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has Traffic Control been estimated according to project-specific conditions?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Are project-specific mobilization costs understood and accounted for in this estimate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have known extra work items, or force account items, been accounted for?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: _____			

Project Schedule

	<u>Yes</u>	<u>No</u>	<u>Not Applicable</u>
Have availability and delivery time of important materials and equipment been checked?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Has the contract time been determined with/by the Construction Manager?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have contract time cost impacts been accounted for in this estimate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have construction season cost impacts been accounted for in this estimate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are schedule constraints and/or schedule acceleration requirements understood, well defined, and accounted for in this estimate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have unusual work time requirements (i.e. 24-hr work or limited street closure times) been accounted for in this estimate?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: _____			

Quality Assurance

	<u>Yes</u>	<u>No</u>	<u>Not Applicable</u>
Are quantity take-off calculations and back-up information documented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are unit prices verified with vendors and sources documented?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are historical unit costs adjusted (to midpoint of construction) from projects of similar scale, similar site and similar construction conditions?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Have non-standard items been estimated "bottom up"?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Is a contingency in this estimate? If so, describe: <u>10%</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are "plug" estimates used? If so, describe: _____	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Was this estimate checked? (quantities and costs)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments: _____			

Bidding Environment

	<u>Yes</u>	<u>No</u>	<u>Not Applicable</u>
Is this project directed to the sheltered market and is this accounted for in this estimate?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the time/season of advertising been factored into this estimate?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are circumstances known that would limit the bidding pool and is this accounted for?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Comments: _____			

Implementation Procedures for Capital Projects

	<u>Yes</u>	<u>No</u>	<u>Not Applicable</u>
Does the project construction estimate agree with the current budget?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If "No", has a Trend Alert been prepared?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Comments: _____			

IMPACT STATEMENT

Legislation title: Authorize a competitive solicitation and contract with the lowest responsible bidder and provide payment for construction of the Columbia Boulevard Wastewater Treatment Plant Headworks Screening Improvements Project No. E10805 for an estimated amount of \$12 million (Ordinance)

Contact name: Paul Suto

Contact phone: 503-823-2436

Presenter name: Christine Selker

Purpose of proposed legislation and background information:

Council approval is required for construction projects with a value over \$1 million. Approval of this action will authorize the Chief Procurement Officer to proceed with bid solicitation and awarding a contract for construction of the Columbia Boulevard Wastewater Treatment Plant (CBWTP) Headworks Screening Improvements Project.

The Bureau of Environmental Services (BES) needs to improve performance of headworks screening at the Columbia Boulevard Wastewater Treatment Plant to improve treatment plant reliability and comply with the NPDES permit.

The project will replace the Headworks screening equipment. The purpose of the Headworks screens is to remove debris from wastewater entering the plant. The screens were installed in 1994, when the Headworks building was built. The screens need replacement as they have outlived their useful life. In addition, since 2012, when the CSO program was completed, the plant has received higher flows with more leaves and debris. The screens are not effective at removing the amount of debris the plant currently receives.

Utilization of certified Disadvantaged, Minority-Owned, Women-Owned and Emerging Small Business enterprises will be tracked on a monthly basis as part of the contractor's mandatory participation in the City's Subcontractor Equity Program.

Financial and budgetary impacts:

The total cost for the project is estimated at \$20 million with \$12 million estimated for construction. The level of confidence for the design estimate is High. Funds will be paid out of the Sewer System Operating Budget, FY 21-22, FY 22-23, and FY 23-24 under BES WBS Element E10805.

The project will not affect staffing levels or result in new or modified financial obligations.

Community impacts and community involvement:

- No community impacts are expected. However, BES staff has developed and continues to maintain a relationship with North Portland businesses and residents through the CBWTP's longstanding Community Advisory Committee. BES also drafts and mails an annual newsletter to North Portland neighbors, which provides construction and operational updates to residents. The BES primary contact for public involvement on this project is Debbie Caselton, Program Coordinator III with the Director's Office.

