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IMPACT STATEMENT

Date: July 11, 2019

Council Date: August 7, 2019

Legislation Title: Amend contact with Cornforth Consultants, Inc. for geotechnical design services for the Washington Park Reservoir Improvements Project in the amount of \$830,000 (Ordinance, amend contract no. 30003064)

Contact Name: Daniel Hogan, P.E., G.E., Engineer
 Joe Broberg, P.E., Engineering Manager

Contact Phone: (503) 823-7706

Presenter Name: Teresa Elliott, P.E., Chief Engineer

Purpose of proposed legislation and background information:

The purpose is to authorize the Portland Water Bureau to amend the contract with Cornforth Consultants, Inc. (CCI) for geotechnical services for the Washington Park Reservoirs Improvements Project (Project). This amendment provides for additional services and funding be added to the contract.

This Project includes designing and developing plans and specifications for a construction contract that involves constructing buried finished water storage generally within the footprint of the existing Reservoir No. 3, disconnecting Reservoir No. 4 from the potable water system and developing support structures for Reservoir No. 3 to comply with the Long Term 2 Enhanced Surface Water Treatment Rule.

This legislation addresses additional support for construction observations and monitoring of the Washington Park Landslide. The Project geotechnical design is complex due to physical site constraints, seismic setting, complex and varying geology and an active landslide. The construction contractor's means and methods, combined with the challenges with working multiple disciplines in a confined work site has significantly extended the duration of geotechnical work that requires continuous special inspections by the Engineer of Record

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(CCI). The original contract budget included work and funds for assistance during construction. As work progressed on the Project, permitting requirements and Project complexities changed, and will require additional funding to accomplish these supplementary services.

In addition, as the construction phase progressed, the instruments previously installed (slope inclinometers and vibrating wire piezometers) used to monitor landslide movement and groundwater elevation have approached the end of their useful life. There are nine inclinometers/piezometers that will be replaced.

Financial and budgetary impacts:

The original contract amount was \$4,208,695. The budget for the contract was established prior to design of the Project. Once the design was completed, there was a better understanding of the complexities and requirements of the Project, which required the Water Bureau to amend the contract. These changes increased the contract amount to \$5,035,695.

This legislation will provide for an amendment to increase the contract in the amount of \$830,000. This will increase the not to exceed amount of the contract to \$5,865,695. Funding for the remaining work is in the FY 2019-20 Budget and will be requested in the FY 2020-21 through 2022-2023 Budgets. The Contract time will also extend to May 5, 2023.

Community impacts and community involvement:

No community impacts are anticipated from this action.

100% Renewable Goal:

This action will not increase or decrease the City's renewable energy use.

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



7/18/19

Michael Stuhr, P.E., Administrator

Date