188131

IMPACT STATEMENT

Legislation title: Authorize a contract with the lowest responsible bidder for construction of the Alder Pump Station Upgrade, Project No. E10359, for an estimated construction cost of $3,500,000 (Ordinance)

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Purpose of proposed legislation and background information:

The purpose of the proposed legislation is to authorize a construction contract to be awarded to the lowest responsible bidder for the Alder pump station upgrade project. The facility is located at the intersection of SE Water Ave & SE Alder (56 SE Alder St). It was originally constructed in 1952, and serves the western portion of the Alder basin between the Southeast Interceptor and the Willamette River.

Flow Analysis conducted for the project by the BES Asset Systems Management Division (ASMD) determined that the upgraded Alder PS must be "...designed to adequately convey the 25-year design storm in order to meet the City of Portland's current level of service requirements.", and the flow modeling results showed that the total wet weather flow from the Alder PS service area during a 25-year design storm is 3,000-gpm (6.70-cfs). The flow analysis was further refined to determine that:

- The Alder PS sanitary pumping system must provide a firm pumping capacity of 2,100 gpm to the southeast interceptor (SEI) for all events up to, and including, the ASFO 3-year summer storm to ensure ASFO compliance; and
- For events greater than the ASFO 3-year summer storm, the Alder PS total firm pumping capacity (sanitary + storm) needs to be 3,000 gpm.

Based on those requirements the Alder PS Upgrade project has been designed to have a single trench-type submersible pump wetwell within the below grade portion of the existing concrete caisson, that will be equipped with two sets of duplex submersible pumps to be operated as follows:

1. All influent flows up to 2,100-gpm will be pumped and discharged to MH ABQ749, to be conveyed through the existing sanitary sewer to the SEI.
2. During larger storm events when the influent flow exceeds 2,100-gpm:
    a. The sanitary pumping system will continue to pump 2,100-gpm to the SEI.
    b. The water surface elevation (WSE) in the wetwell will continue to rise and the storm pumping system will activate and discharge to OF36 up to a firm pumping capacity of 900-gpm.
    c. The combined sanitary and storm firm pumping capacity will be 3,000-gpm.

Financial and budgetary impacts:

The engineer's final estimate of the probable cost of construction for this project is $3,500,000. The level of confidence in the estimated cost of construction is high. Funds are avaiable in the Sewer System Operating Fund, FY2017-FY2021 CIP, Bureau of Environmental Services, WBS E10359.

The proposed legislation will not create, eliminate or re-classify any positions now or in the future. BES Construction Services Division, supported by BES Engineering Services, and the design Engineer of Record (EOR), Brown and Caldwell, Inc. will manage the construction contract.

If authorized the proposed legislation will result in a contract with the lowest responsible bidder for the construction of the Alder Pump Station Upgrade.

Community impacts and community involvement:

The public involvement (PI) element of this project is led by the BES Office of the Director, and will continue through construction with Cheryl Kuck, BES Sr. Community & Information Representative, as the currently assigned PI representative. The area surrounding the project site is zoned Industrial (IND) with no residential, manufacturing or commercial areas.

Beginning in February 2015 through the present, BES outreach staff have conducted community outreach to area property owners and occupants, business owners and operators, and neighborhood and business associations who may be impacted by the project. The project mailing list for flyers and newsletters includes 150 property owners and occupants, Buckman Community Association, Southeast Uplift, and Central Eastside Industrial Council. The project email distribution list includes 50 interested individuals, businesses and organizations.

BES outreach staff have distributed public information flyers and email notifications at key milestones during the design phase to provide project information to local businesses, property owners and other interested stakeholders. In addition to these communications, BES outreach staff conducted site visits with individual business owners and operators on SE Alder and SE Morrison streets between SE 3rd and SE Water avenues.

The primary concern expressed by public stakeholders during the public outreach process was that access be maintained to their businesses. Property owners and business operators in the project area understand the typical construction impacts of noise, dust, vibration, on-street parking restrictions and temporary traffic delays. They expressed satisfaction with the projected plans shared in public outreach materials because access will be maintained to their businesses.

The Contract Documents will require the construction Contractor to install and maintain fencing around the work site, and during evenings and non-work hours the active construction zone will be fenced and secured. Traffic control plans also are included in the Contract Documents, and require the Contractor to provide their own traffic control plans that must be approved by PBOT during construction to provide for safe conveyance of vehicle, pedestrian, and bicycle traffic around the construction site.

We do not anticipate that any individuals or groups will be testifying with regard to the proposed legislatation.

Budgetary Impact Worksheet

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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