

IMPACT STATEMENT

Legislation title:

Authorize a contract with the lowest responsible bidder for the Airport Way 1 Pump Station Improvements and AW03 Forcemain Repair, Project No. E10529, for an estimated construction cost of \$2,374,000 (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 Airport Way 1 Pump Station Improvements and AW03 Forcemain Repair project.

Airport Way 1 Pump Station (AW01) is located at 13220 NE Airport Way, Portland, and serves the industrial area along Airport Way, east of NE 122nd Ave. The pump station was completed around 1987. The gravity flow into AW01 includes flows from Airport Way 2 and Airport Way 3 pump stations. Discharge from AW01 flows into Inverness Pump Station, which then conveys the sewage to the Columbia Boulevard Wastewater Treatment Plant.

Airport Way 3 Pump Station is located at 17140 NE Airport Way, on the south side of Airport Way, and serves the industrial area along Airport Way from NE 158th to NE 181st. The pump station was completed around 1991.

The project was initiated when BES maintenance indicated that the control system for AW01 failed. The control system was obsolete, and replacement parts are no longer manufactured. Pump station evaluations also raised issues regarding:

- Mechanical and other electrical equipment condition: Some auxiliary equipment have already have failed and some were close to obsolescence. These need replacements to maintain reliability.
- Pump station maintainability – isolation valves were needed to allow station or areas of station to be maintained. This issue is reason for addition for forcemain repair project at AW03.
- Safety and accessibility– ventilation system, monitoring and alarm notification system, confined space, and diesel fuel storage issues needed to be resolved.
- Structural issues – access stairwell needed replacement and roof needed replacement due to past leak problems.

Completion of the Airport Way 1 Pump Station Improvements and AW03 Forcemain Repair project is necessary to maintain pump station reliability, and to address safety, maintenance, and access issues. The improvements will also bring pump station in compliance with current regulatory requirements.

Financial and budgetary impacts:

The engineer's final estimate of the probable cost of construction for this project is \$2,374,000. The level of confidence in the estimated cost of construction is high. Funds are available in the Sewer System Operating Fund, FY2017-FY2021 CIP, Bureau of Environmental Services, WBS E10529.

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), Parametrix, 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 Airport Way 1 Pump Station Improvements and AW03 Forcemain Repair project.

Community impacts and community involvement:

Airport Way 1 and 3 (AW01 and AW03) pump stations are located in an industrial area along Airport Way, zoned IG2hx and EG2, respectively. AW01 is bordered by NE Airport Way to the north, warehouse and commercial type buildings and parking to the south and west, and a BES stormwater storage/drainage facility to the east. AW03 is bordered by NE Airport Way to the north, a warehouse/office building to the east, and Columbia Slough Trail and wetlands (under Parks Bureau purview) to the west.

Improvements to both pump stations will be constructed within the existing pump station properties. Temporary erosion and sedimentation controls are required for the work. Security will be provided by requiring the Contractor to install and maintain fencing around the project sites during evenings and non-work hours.

If additional space is required (temporarily) for construction and to minimize impacts to the private industry, BES will make use of space from the stormwater facility east of AW01 and coordinate with Parks Bureau for AW03 work.

The public involvement (PI) element of this project is led by the BES Office of the Director. Outreach to the public was initiated during the Design Phase. No concerns were expressed or received. An updated request for services will be generated during the construction phase. It is anticipated that the following strategies, during the construction phase, will be implemented:

- Portable message boards in and near the work zone
- Traffic advisories about lane closures and delays distributed via local media outlets
- Flyers distributed to nearby neighbors.
- Email updates to people, who requested update, after receiving flyers
- Updates about lane closures to TriMet and Portland Public School and Multnomah County school bus contacts

Effectively and safely conveying wastewater is critical to maintaining public and environmental health. Airport Way 1 and 3 are critical wastewater pump stations that convey sewage flows from entire basin along NE Airport Way industrial area.

The pump stations were originally completed in 1987 and 1991, and have major pieces of equipment that are now obsolete or have failed, and replacement parts are no longer available. Additionally, maintenance personnel identified issues relating to safety, access, and maintainability that need to be rectified.

The improvements to the pump stations are necessary to maintain reliability, and to address safety, maintenance, and access issues. The improvements will also bring AW01 in compliance with current regulatory requirements.

Summarize significant objections/concerns and support/agreement.

There have been no concerns expressed by the public about this project.

Describe how the bureau responded to or incorporated concerns into the proposed legislation.

There have been no concerns expressed by the public about this project.

Indicate who/which groups will be testifying (if known).

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

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