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191419

Ordinance

Authorize bid solicitation and contracting with the lowest responsive and responsible bidder for construction of the S Macadam Ave to S Bancroft St Water Mains Project at an estimated cost of \$1 million

Passed

The City of Portland ordains:

Section 1. The Council finds:

1. The existing water pipes, associated service lines, and hydrants in S Macadam Avenue from S Bancroft Street to S Lane Street are in poor condition and need replacement.
2. The existing water facilities require replacement in order to ensure public health and economic viability by improving the maintenance, operability, resilience, and water quality of the existing water system in the S Macadam Avenue to S Bancroft Street Water Mains Project (Project) area.
3. Through the Project, Portland Water Bureau will replace the existing water pipes, associated service lines, and hydrants to meet operation and flow conditions and construct the new facilities in accordance with all applicable codes and standards.
4. The Project has been planned and located in accordance with appropriate engineering standards for the construction, maintenance, and improvement of the City's water infrastructure. The solicitation for the procurement action for the construction will use the City's standard construction procurement bid process.
5. The engineer's estimate for the contract action is \$1,000,000. Funding is approved in the FY 2023–24 Budget and will be requested in the FY 2024–25 Budget.

NOW, THEREFORE, the Council directs:

Introduced by

[Commissioner Mingus Mapps](#)

Bureau

[Water](#)

Contact

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Chief Engineer

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Requested Agenda Type

Regular

Date and Time Information

Requested Council Date

August 16, 2023

- A. That City Procurement Office is authorized to bid the solicitation for construction of the Project.
- B. Upon the Council's acceptance of the Chief Procurement Officer's Report to Council 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.
- C. As required, a post-project evaluation of the Project will be provided to the Chief Procurement Officer in order to request and authorize final payment to the contract.
- D. The Mayor and City Auditor are hereby authorized to draw and deliver checks chargeable to the Water Fund when demand is presented and approved by the proper authorities.

An ordinance when passed by the Council shall be signed by the Auditor. It shall be carefully filed and preserved in the custody of the Auditor (City Charter Chapter 2 Article 1 Section 2-122)

Passed by Council
August 16, 2023

Auditor of the City of Portland
Simone Rede

Impact Statement

Purpose of Proposed Legislation and Background Information

In order to keep up with aging water infrastructure and provide the most robust, consistent, and safe water delivery possible, Portland Water Bureau strives to replace thousands of feet of water pipe every year. New ductile iron water pipe is more resistant to breaks and leaks. It also provides better flow and pressure. The greater performance of the new pipe contributes to the overall resilience of the system and livability of neighborhoods.

The S Macadam Avenue to S Bancroft Street Water Mains Project (Project) will install approximately 1,400 feet of new ductile iron water main. The Project includes the renewal of six water services and two industrial fire lines and the installation of two new hydrants. Additionally, a critical valve on an adjacent 24-inch cast iron water line crossing under Interstate 5 will also be replaced as part of the Project connections.

The existing 24-inch steel water main in this location was originally installed in 1893, making it over 125 years old, and has been repaired three times. Based on examination of the failed segments by field crews, the Water Bureau recommends replacement.

Financial and Budgetary Impacts

The Water Bureau determined the estimated cost of the Project improvements based on similar projects constructed in the past. The Project design is more than 90% complete. The total construction cost for the procurement action is estimated at \$1,000,000.

The Water Bureau currently maintains the water system within the Project limits. Installation of the new water mains and appurtenances will not change the long-term financial obligations of the City. Funding for the Project (W02535) is approved in the FY 2023–24 Budget and will be requested in the FY 2024–25 Budget.

The total Project cost is estimated at approximately \$1,400,000. The confidence level is high for the Project and based on the guidelines detailed in the Project Estimate Confidence Level Rating Index. The proposed legislation will not create, eliminate, or re-classify any positions now or in the future.

Community Impacts and Community Involvement

The newly installed water mains and appurtenances will serve residents along S Macadam Avenue and in the adjacent developing neighborhoods. This Project will also considerably increase the safety and resilience of a large water main in an arterial roadway adjacent to the essential Interstate 5 roadbed. Replacement of the existing critical valve that controls flow underneath Interstate 5 also adds considerable benefit and long-term strength to the system in the area and to Portland's infrastructure overall.

Passing this proposed legislation will ensure public health and economic viability by improving the maintenance, operability, resilience, and water quality of the existing water system in the Project area.

Regarding construction impacts, this Project will be physically located in the right-of-way, generally in the main roadway along S Macadam Avenue from S Bancroft Street to S Lane Street (vacated). Impacts to area residents and car, bike, and pedestrian traffic will be minimized to the extent possible. Notifications to residents, including mailers, signs, flyers, social media posts, and presentations at neighborhood meetings, will begin soon and will continue through the duration of the project. Permits from both the Portland Bureau of Transportation and the Oregon Department of Transportation will be required for this project. Due to the proximity to Interstate 5 and the Macadam Avenue off-ramp, it is possible that some of the work may be conducted during nighttime hours. This will also require additional permits and noise variances, and those possible impacts will be thoroughly communicated to the neighborhood and local area.

There are no significant objections or concerns related to this Project. There are not anticipated to be any groups testifying for or against this

Project.

100% Renewable Goal

This legislation does not increase or decrease the City's total energy use and does not increase or decrease the City's renewable energy use.

Budget Office Financial Impact Analysis

The total project is estimated to be \$1.4 million, with the \$1 million requested going to replace existing water pipes, associated service lines, and hydrants to meet necessary standards. The project design is over 90% complete, which informs the estimated procurement action at around \$1 million. The bureau has \$450k budgeted in the current year budget and plans to ask for the remaining in the following budget year.

Agenda Items

657 Regular Agenda in [August 2, 2023 Council Agenda](https://www.portland.gov/council/agenda/2023/8/2)
(<https://www.portland.gov/council/agenda/2023/8/2>)

Passed to second reading

Passed to second reading August 16, 2023 at 9:30 a.m.

685 Regular Agenda in [August 16, 2023 Council Agenda](https://www.portland.gov/council/agenda/2023/8/16)
(<https://www.portland.gov/council/agenda/2023/8/16>)

Passed

Commissioner Rene Gonzalez Yea

Commissioner Mingus Mapps Yea

Commissioner Carmen Rubio Yea

Commissioner Dan Ryan Yea

Mayor Ted Wheeler Yea