



Gregory L. Geist
Director

Board of County Commissioners
Clackamas County

Members of the Board:

Approval of Contract between Murraysmith, Inc. for
Engineering Design Services for the Force Main on I-205

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|--|---|
| Purpose/Outcome | <i>Provide design engineering services for the force main on I-205</i> |
| Dollar Amount and Fiscal Impact | <i>Total Contract Value of \$500,000.</i> |
| Funding Source | <i>639-01-20100-481010-P632336 – WES Funds</i> |
| Duration | <i>From execution through December 30, 2021</i> |
| Previous Board Action/Review | <i>Issues hearing: July 6, 2021</i> |
| Strategic Plan Alignment | <p>1. This project supports the WES Strategic Plan to provide Enterprise Resiliency, Infrastructure Strategy and Performance and Operational Optimization.</p> <p>2. This project supports the County Strategic Plan of building a strong infrastructure that delivers services to customers.</p> |
| Counsel Review | <p>1. <i>Date of Counsel review: June 16, 2021</i></p> <p>2. <i>Initials of County Counsel: AK</i></p> |
| Procurement Review | 1. Was the item processed through Procurement? Yes. |
| Contact Person | <i>Jessica Rinner, Civil Engineering Supervisor , 503-742-4551</i> |
| Contract No. | <i>4209</i> |

BACKGROUND:

The WES Sanitary Sewer System Master Plan (SSMP), completed in 2019, identified the Willamette Area in West Linn as having existing capacity deficiencies. To address the capacity deficiencies, additional pumping capacity and an increase in downstream conveyance capacity, including a new Willamette River crossing to transport the flows to treatment will be required. WES is currently working on an alternatives analysis to determine a preferred alternative. The SSMP assumed two alternatives for an under river crossing. Recent work estimated capital costs of these alternatives at \$25M-\$30M and difficult construction for a dual pipelines that would also lend redundancy to the Bolton/River Street force mains.

Recently, WES became aware that Oregon Department of Transportation (ODOT) was well along in designing an expansion of the Abernathy (I-205) Bridge across the Willamette River between West Linn and Oregon City and that it would be feasible to suspend the Willamette force main from the bridge. Suspending the new pipe on the bridge is estimated to cost \$5M-

\$7M, saving WES between \$5M and \$10M compared to an under-river crossing for the Willamette pipe.. WES will explore pipe bursting as a potentially lower cost alternative for Bolton/River Street force main redundancy to avoid any under river crossing.

A challenge is that the design of the bridge will nearing 90% after which time, significant changes, such as adding a pipe, cannot be made. The design of the force main will need to be completed in August. There is not time to do the traditional procurement process for design services. Murraysmith designing a water pipe, similar in size and scope to our force main to be suspended from the bridge. If we are to add the force main to the bridge, Murraysmith will need take on the design as they would be able to coordinate placement of the force main with the West Linn water pipe. They have indicated they have capacity to do the work. Their design work will be billed on a time and materials basis with a not to exceed cap.

PROCUREMENT PROCESS:

This project was identified and approved as a single candidate purchase. Procurement and Contract Services advertised a Notice of Direct Purchase in accordance with ORS 279B and LCRB Rules C-046-0500 (4) (F) on June 1, 2021. The notice was active for 7 days and did not receive any protests.

RECOMMENDATION:

Staff recommends the Board approve the Contract with Murraysmith, Inc. for the design and engineering services for the placement of the force main on I-205.

Respectfully submitted,



[Greg Geist \(Jun 29, 2021 13:11 PDT\)](#)

Greg Geist
Director, WES

Placed on the _____ Agenda by the Procurement Division.

BCC Staff Report - Murraysmith-LC Final

Final Audit Report

2021-06-29

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"BCC Staff Report - Murraysmith-LC Final" History

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