SR 520/ I-5 to Montlake I/C and Bridge Replacement Project

Project Overview
The SR 520/I-5 to Montlake Interchange and Bridge Replacement Project (i.e. the Portage Bay Bridge and Roanoke Lid Project) is the third of four large projects remaining in the SR 520 Bridge Replacement and HOV Program, a two-decade, multibillion dollar investment in the regional transportation system enhancing the connection from Seattle to Bellevue and Interstate 405.

This project replaces the 1960s-era Portage Bay Bridge with a seismically stronger structure. The project will also extend SR 520's transit/HOV system from Montlake to I-5 and the cross-lake bicycle and pedestrian trail over Portage Bay to a new lid between Delmar Drive East and 10th Avenue East.

Project Goals
1. Project Management: Collaboration - Through effective project management, provide a successful Design-Build project by collaborating with WSDOT and third parties to efficiently resolve issues at the Project level.
2. Minimize Impacts: Community - Minimize construction impacts of noise, dust, and vibration on the local community.
3. Minimize Impacts: Mobility – Minimize the project's impact throughout construction to freeway, local street, transit, and bicycle and pedestrian operations.
4. Managing Geotechnical Conditions - Successfully manage challenging site geotechnical conditions during design and construction to minimize risk to the project.
5. Urban Design and Landscape Architecture - Improve the visual aesthetics and functionality of the Project design, consistent with values established through community and agency outreach.

Small, and Veteran-Owned Business Enterprises and Minority and Women's Business Enterprise Participation

Inclusion of Enforceable Small and Veteran-Owned Business Enterprise Participation Requirements
- Goals TBD

Inclusion of Voluntary Minority and Women's Business Enterprise Goals
- Minority Business Enterprise – 10 percent
- Women Business Enterprises – 6 percent

Design-Build Contract Amount
$725M to $775M

Note: Project funding is contingent on the outcome of 2022 legislative session

Key Personnel:
- Project Manager
- Construction Manager
- Design Manager
- Geotechnical Group Manager
- Inclusion Manager

Procurement Schedule
- Request for Qualifications (RFQ) Nov. 2022
- Request for Proposal (RFP) Jan. 2023
- Bid Opening / Apparent Best Value Aug. 2023
- Construction Start Spring 2024
- Open to Traffic Dec. 2030

Note: Dates are approximate and subject to change

For more information: contact the SR 520 Program | Email: SR520PortageBayRFP@wsdot.wa.gov | Web: Program Website
### Current Project Scope

**Structures**
- Replace the existing Portage Bay Bridge (WSDOT Bridge 520/3), with two new parallel variable depth segmental box girder bridges across Portage Bay
- Replace the existing SR 520 eastbound off-ramp structure to Montlake Boulevard East (WSDOT Bridge 520/3E-N)
- Replace the existing 10th Ave E and Delmar E over crossings with a new Roanoke lid bridge
- Provide approximately 75 retaining walls, including many with tiebacks

**Multimodal**
- Build a shared-use trail on the new Portage Bay Bridge.
- Construct a shared-use tunnel under 10th Avenue East, as well as the required structures to provide shared-use path connectivity on the east and west approaches to the new Portage Bay Bridge
- Provide improved connections for paths and trails at various locations including a trail crossing bridge across I-5 at Roanoke Street

**Stormwater**
- Provide stormwater conveyance across Portage Bay Bridge North and South
- Provide stormwater treatment at eastern end of the project
- Maintain existing WPA drainage system between Boyer Avenue and Delmar Drive

**Utilities**
- Relocate existing local agency utilities including 26kV line and 42" waterline
- Protect in place 8" combined sewer outflow at Portage Bay Bridge East abutment
- Relocate existing Lumen duct bank
- Replace King County Metro trolly poles

**Roanoke Lid Vicinity**
- Provide landscaping on the Roanoke lid bridge and connecting local streets
- Repave local streets including East Roanoke Street, 10th Avenue East, Delmar Drive East

**Miscellaneous**
- Provide a mechanical ventilation fire life safety system
- Provide a reversible ramp gate system
- Provide ATMS for Portage Bay Bridge and peak use running shoulder

**Outreach**
- Provide outreach to the community for questions, concerns, and coordination in advance of closures

### Quantities

<table>
<thead>
<tr>
<th>Items</th>
<th>Approximate % of Construction Cost</th>
<th>Units</th>
<th>Approximate Quantity</th>
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<tr>
<td><strong>PREPARATION (5-10%)</strong></td>
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<tr>
<td>Work Access - Portage Bay</td>
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<td>SF</td>
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<td>Remove Existing Bridge Structures</td>
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<td><strong>GRADING (1-2%)</strong></td>
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<td>I-5 (Roanoke) Trail Crossing Bridge</td>
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<td>Roanoke Lid Bridge</td>
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<td>Local Street Paving</td>
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Note: Quantities are approximate.

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