

Portage Bay Bridge and Roanoke Lid

Monthly Construction Update Meeting

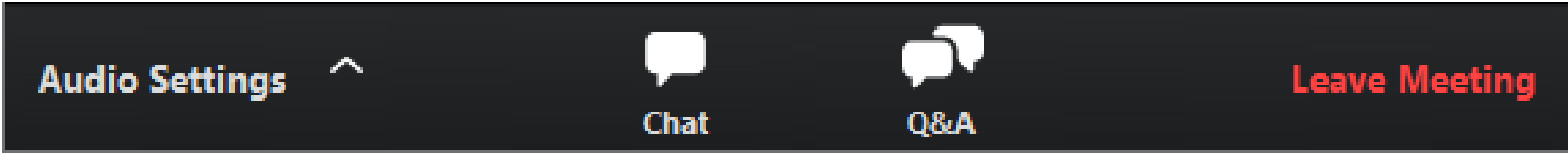
October 15, 2024

Please note that this meeting is being recorded.

How to participate in this webinar

All attendees are muted. To adjust your audio settings during the meeting, click on **Audio Settings**.

Please use the **Q&A window** to ask questions or offer comments.



CHAT is disabled during the presentation. Please communicate with the team through the **Q&A window**.

Agenda

- Introductions and goals
- Project schedule and map
- Upcoming construction
- What to expect during construction
- How to stay informed
- Q&A session



Conceptual rendering of the new Portage Bay Bridge.

Meet the team



Jerry Iniguez
Project Manager



Carmelo Chavez
Construction Manager



Robin Clarke
Community Liaison



Allan Vann
Public Information
Manager

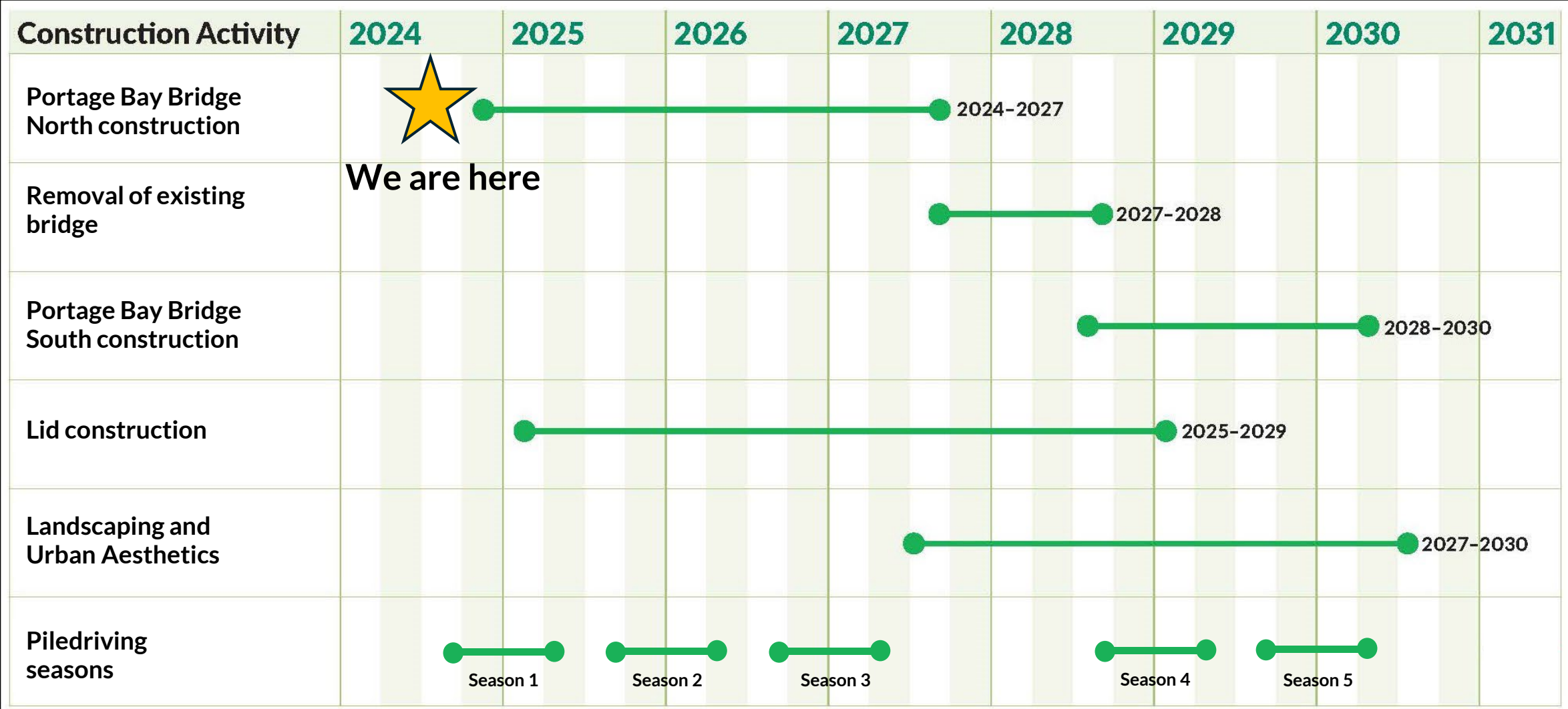
Goals

- Provide an overview of the work happening this year
- Prepare neighbors for upcoming daytime and nighttime construction
- Preview impacts on local traffic
- Share how to stay informed



The future site of the Roanoke lid over SR 520.

Project schedule



Note: Piledriving seasons will occur annually from September through April. Vibration and other construction activities will occur year-round.

Project map

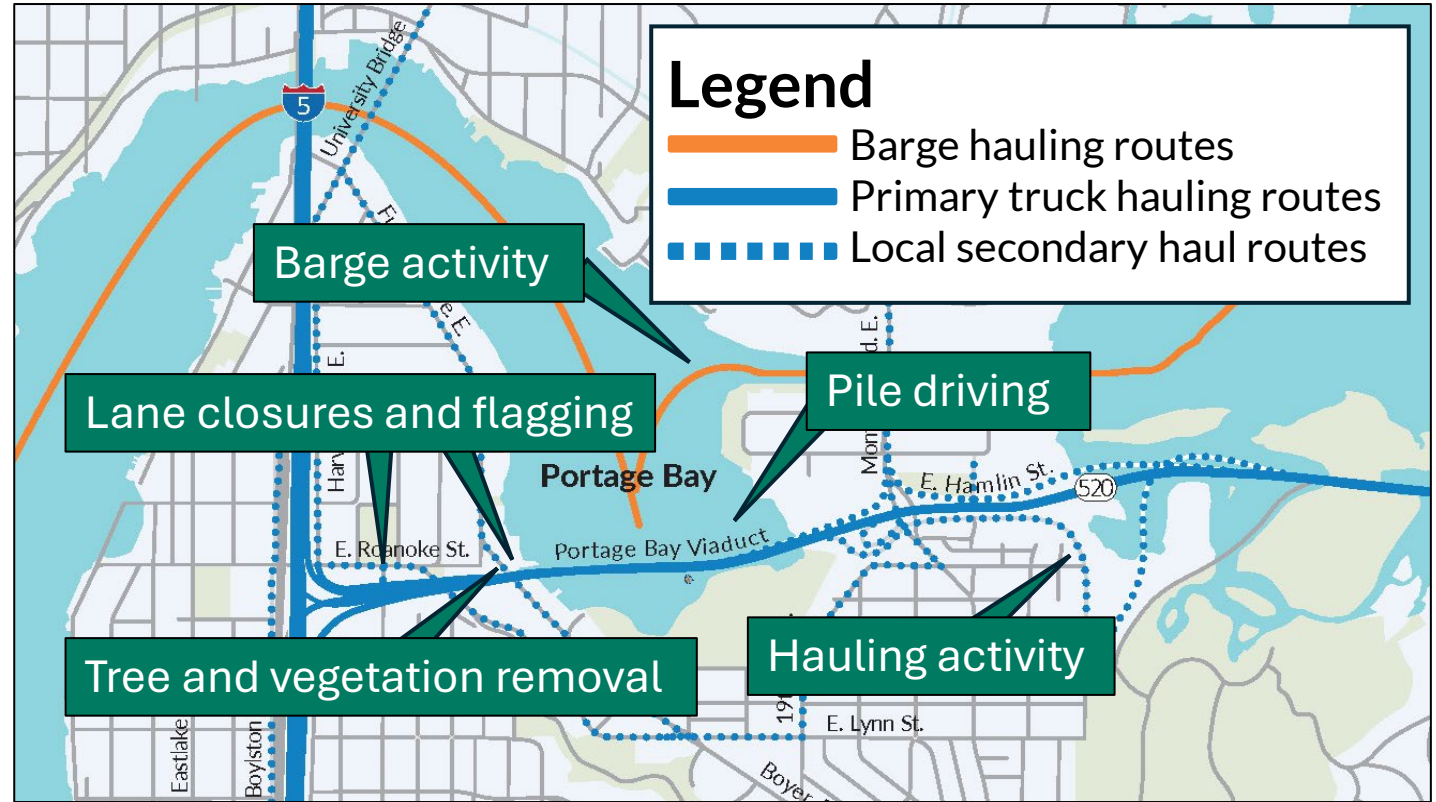


Map of major project elements.

Major construction begins in November

Starting in November, crews will:

- Begin piledriving in Portage Bay
- Use barges for hauling and work trestle construction
- Continue using trucks for hauling on East Lake Washington Boulevard
- Remove trees and vegetation around Boyer Avenue East
- Continue lane closures around East Roanoke Street, Delmar Drive East and Boyer Avenue East



Project area map.

Overview of piledriving

- We will install piles to build a temporary work trestle and supports for the new bridge.
- Piledriving is scheduled to begin November 4.
- Piledriving will occur annually from September through April, six days per week.
- Vibratory and impact hammers will be used for pile installation.
- Expect loud noise and vibrations from impact work:
 - Monday through Friday - 7 a.m. to 10 p.m.
 - Saturdays - 9 a.m. to 10 p.m.
 - Some Sundays - 9 a.m. to 10 p.m.



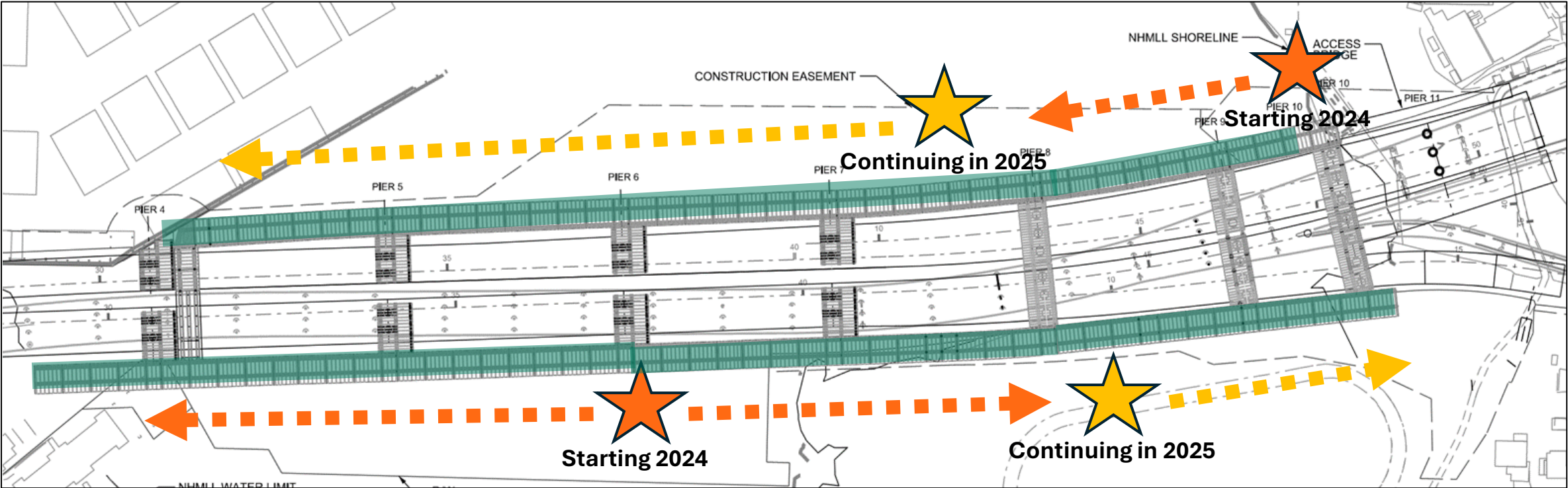
Crews use a vibratory hammer to build a work trestle during work on the SR 520 Bridge over Union Bay.

Learn more about piledriving

Visit engage.wsdot.wa.gov to view videos about piledriving and the difference between vibration hammers and impact hammers.

Piledriving in Portage Bay (Season 1)

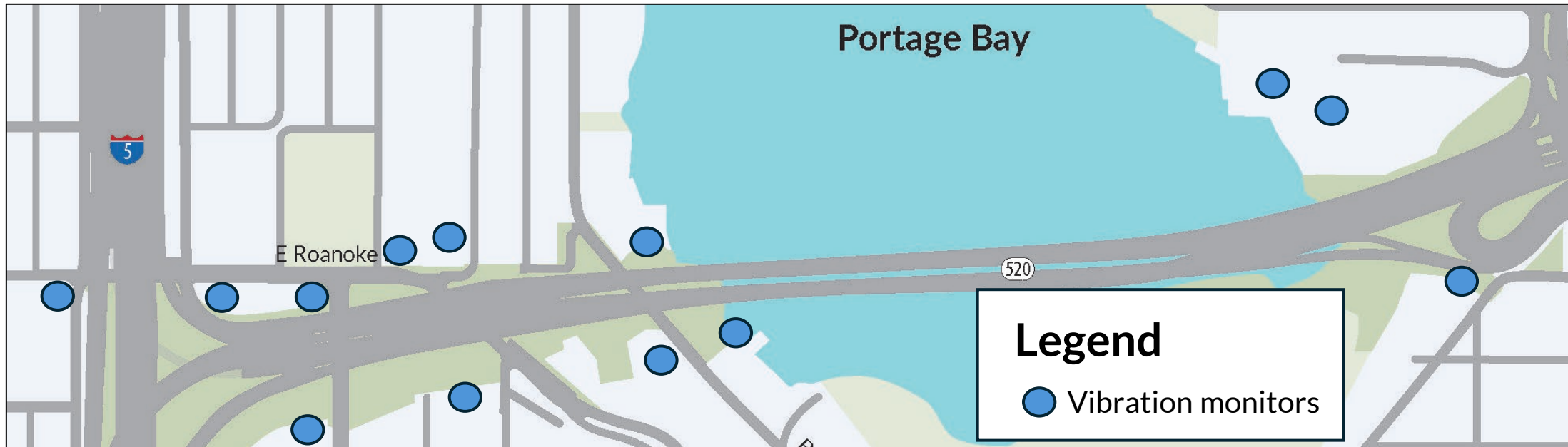
- Starting November 4, crews will begin installing piles to build the work trestle.
- Crews will install over 700 piles over the lifetime of the project.
- As piles are installed, crews will begin building the temporary work trestle.



Map showing locations of upcoming piledriving work between November 2024 and April 2025.

Monitoring construction vibrations

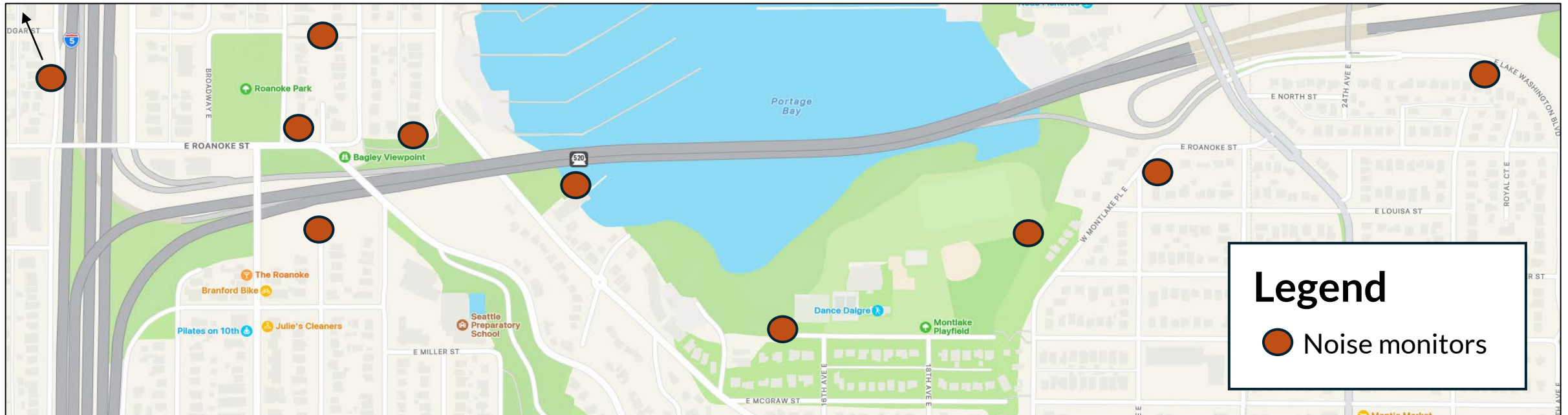
- We have installed vibration monitors around the project area.
- Monitors provide real-time information to WSDOT and Skanska.
- Crews will adjust operations to mitigate vibration if needed and stop work if vibration threshold limits are exceeded.



Map showing locations of vibration monitors.

Monitoring construction noise

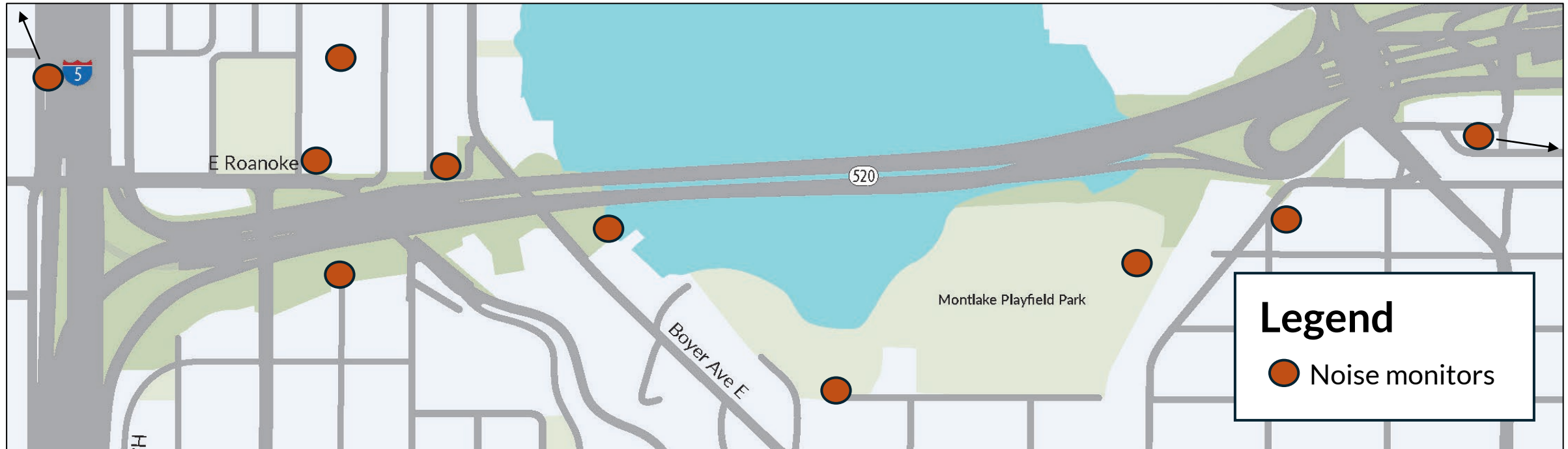
- Crews will install noise monitors around the project area before construction.
- Monitors provide real-time information to WSDOT and Skanska.
- If nighttime construction exceeds permitted noise limits, crews will adjust operations to mitigate noise and stop work if needed.



Map showing locations of noise monitors.

Monitoring construction noise

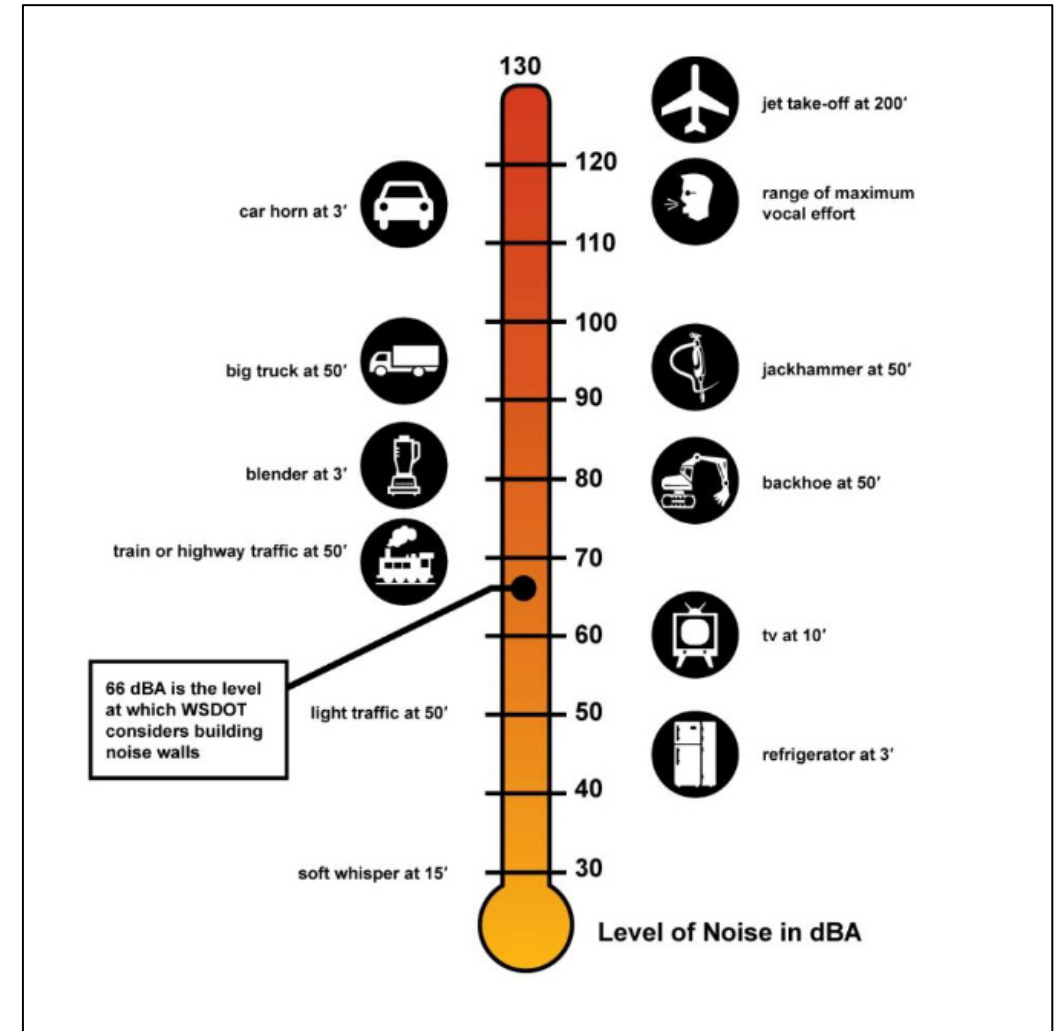
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- Monitors provide real-time information to WSDOT and Skanska.
- If nighttime construction exceeds permitted noise limits, crews will adjust operations to mitigate noise and stop work if needed.



Map showing locations of noise monitors.

What to expect: Noise

- There are three types of noise levels to expect:
 - Daytime construction
 - Nighttime construction that **does not require** a temporary noise variance (TNV)
 - Nighttime construction that **does require** a temporary noise variance
- During daytime construction, noise should stay at an average of 85 decibels.
- Most nighttime work will be conducted under the Major Public Project Construction Noise Variance (MPPCNV).
- Impact work during nighttime hours – such as jackhammering – will require a TNV.



The Major Public Project Construction Noise Variance is available at sr520construction.com.

Nighttime construction noise

- Most construction activities are allowed at night under the **MPPCNV**, including:
 - Equipment delivery and staging
 - Excavation, embankment and paving
 - Concrete sawing
 - Placing forms, rebar and concrete
 - Installing signage and striping road surfaces
 - Generator noise
- Impact work is not allowed under the MPPCNV and requires a TNV.



Crews may pour concrete during nighttime work.

Nighttime work hours are 10 p.m. to 7 a.m. on weekdays and 10 p.m. to 9 a.m. on weekends.

Mitigating nighttime noise

- **Temporary Noise Variances (TNVs):**
We will obtain TNVs for nighttime impact work - such as demolition - with advance notice to neighbors.
- **Noise monitoring:** Skanska will install monitors to ensure noise stays within MPPCNV permit limits.
- **Accommodations are available:**
Neighbors near nighttime impact work zones may be offered a hotel during work.



A hydraulic breaker is used to break concrete, which can be noisy. If we complete similar work at night, we will obtain a TNV.

Nighttime work hours are 10 p.m. to 7 a.m. on weekdays and 10 p.m. to 9 a.m. on weekends.

Mitigating nighttime noise

- **Contact the Portage Bay outreach team:** The outreach team will notify neighbors in advance of TNV work. Our hotline is available 24/7 at 206-319-4520.
- **Noise Mitigation Pilot Program:** WSDOT has a pilot program available if you have concerns with noise. Please send an email to sr520bridge@wsdot.wa.gov to see if you are eligible to participate.

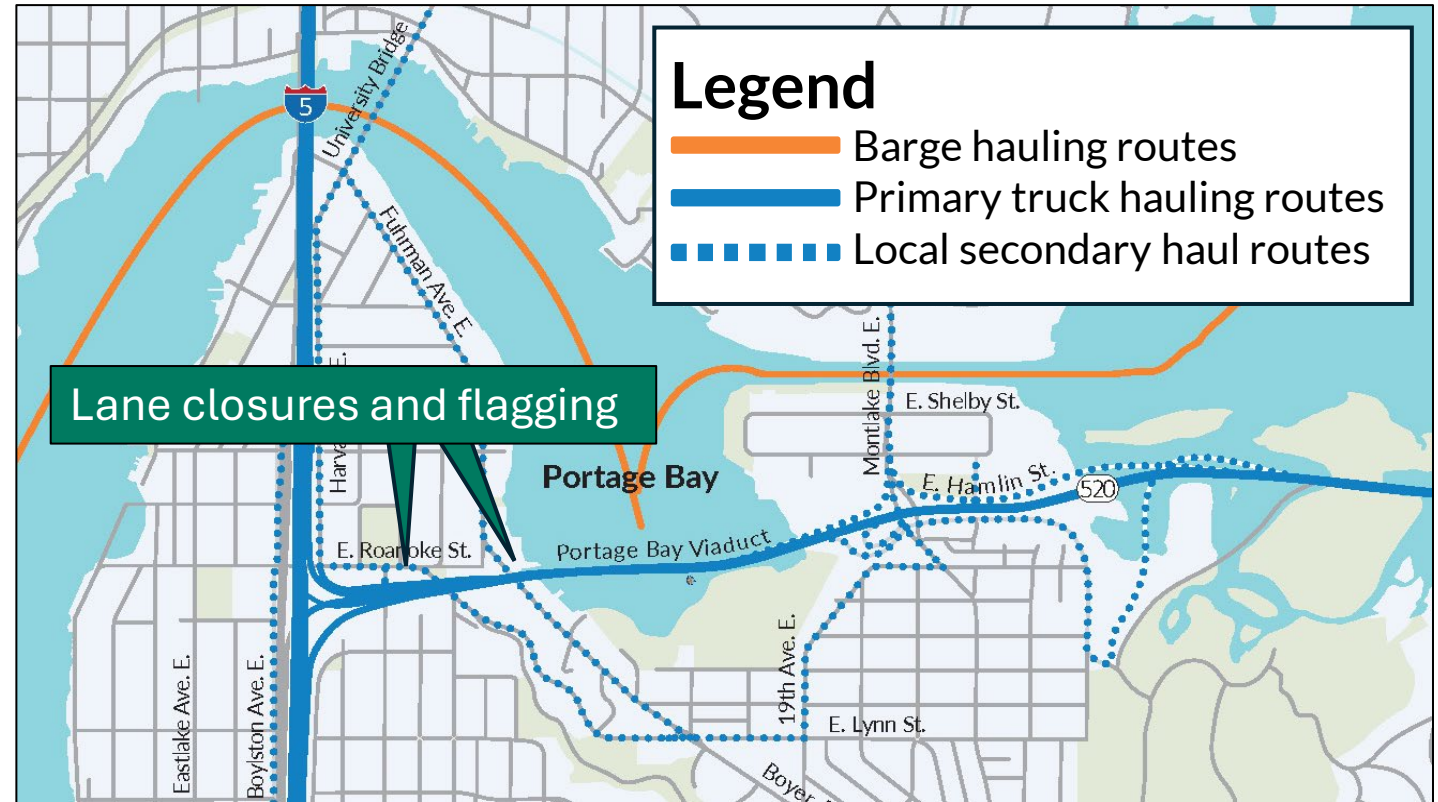


A roller is used in the early morning to help pave a new expressway in Pierce County.

Nighttime work hours are 10 p.m. to 7 a.m. on weekdays and 10 p.m. to 9 a.m. on weekends.

Local street traffic

- Crews will continue working on local streets for potholing, boring and utility work.
- Expect lane closures, parking restrictions, detours and flaggers around East Roanoke Street, Delmar Drive East and Boyer Avenue East throughout the project.
- These closures will be announced via email updates and on the Construction Corner website at sr520construction.com.



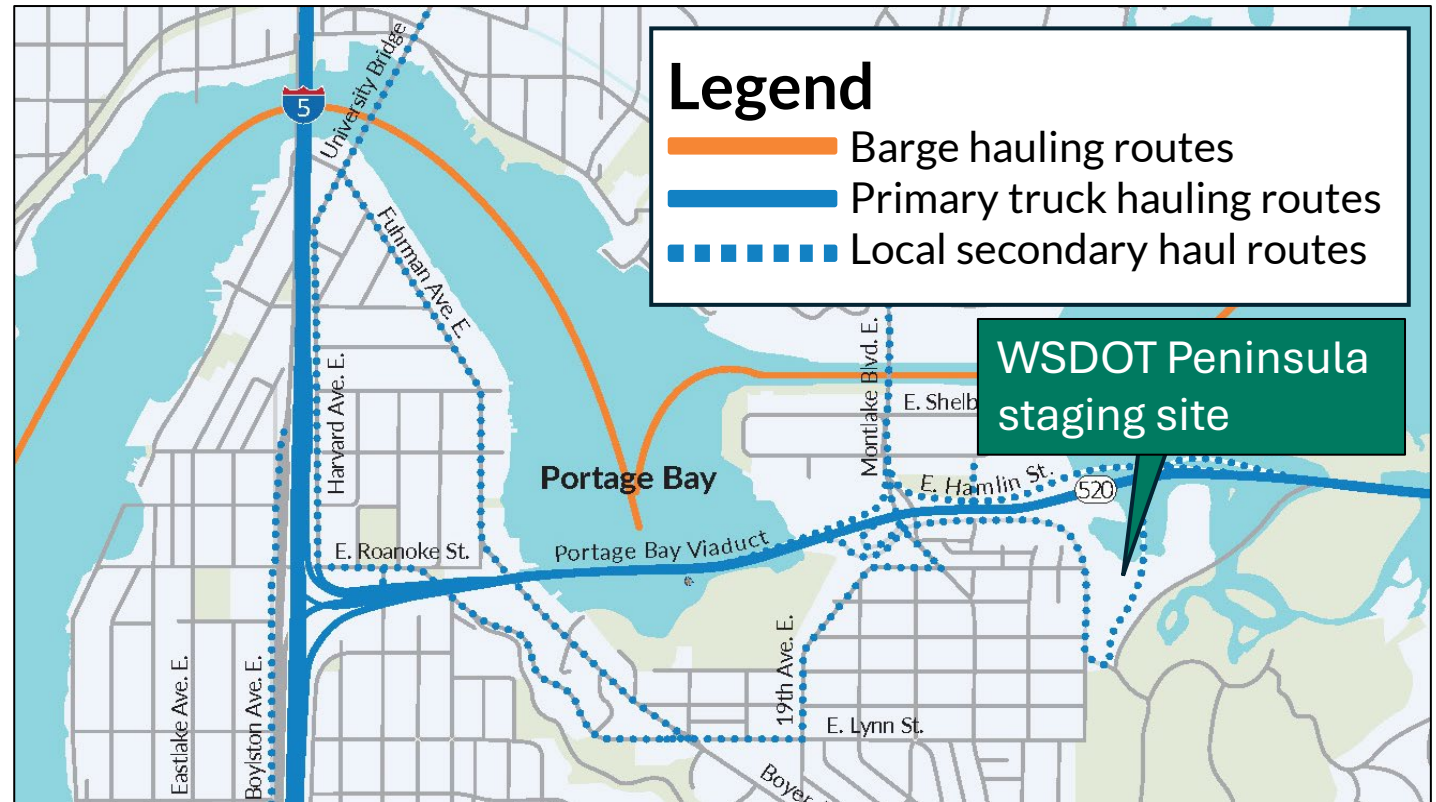
Project area map.

What to expect

Maintaining access to neighborhoods is important. Before any major traffic changes, we will notify the community through our email updates and the Construction Corner website.

Hauling on Lake Washington Blvd

- To prepare for the start of construction, crews will haul construction trailers and materials to the WSDOT Peninsula staging site.
- Throughout construction, neighbors will continue to see truck traffic along East Lake Washington Boulevard.



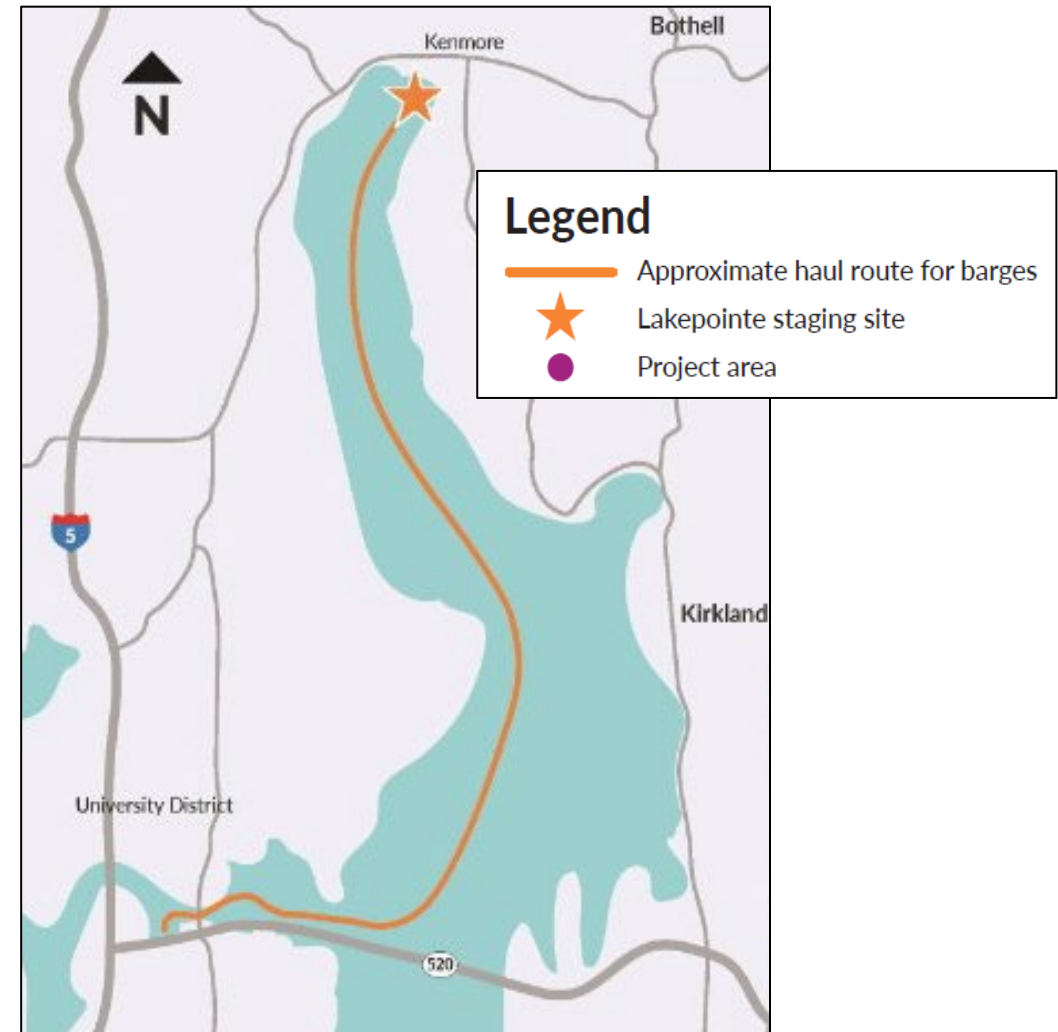
Project area map.

Did you know?

We will primarily use barges to move materials and equipment to the work zone from the Lakepointe staging site in Kenmore. This will help reduce truck traffic on local streets.

Barge activity in Portage Bay

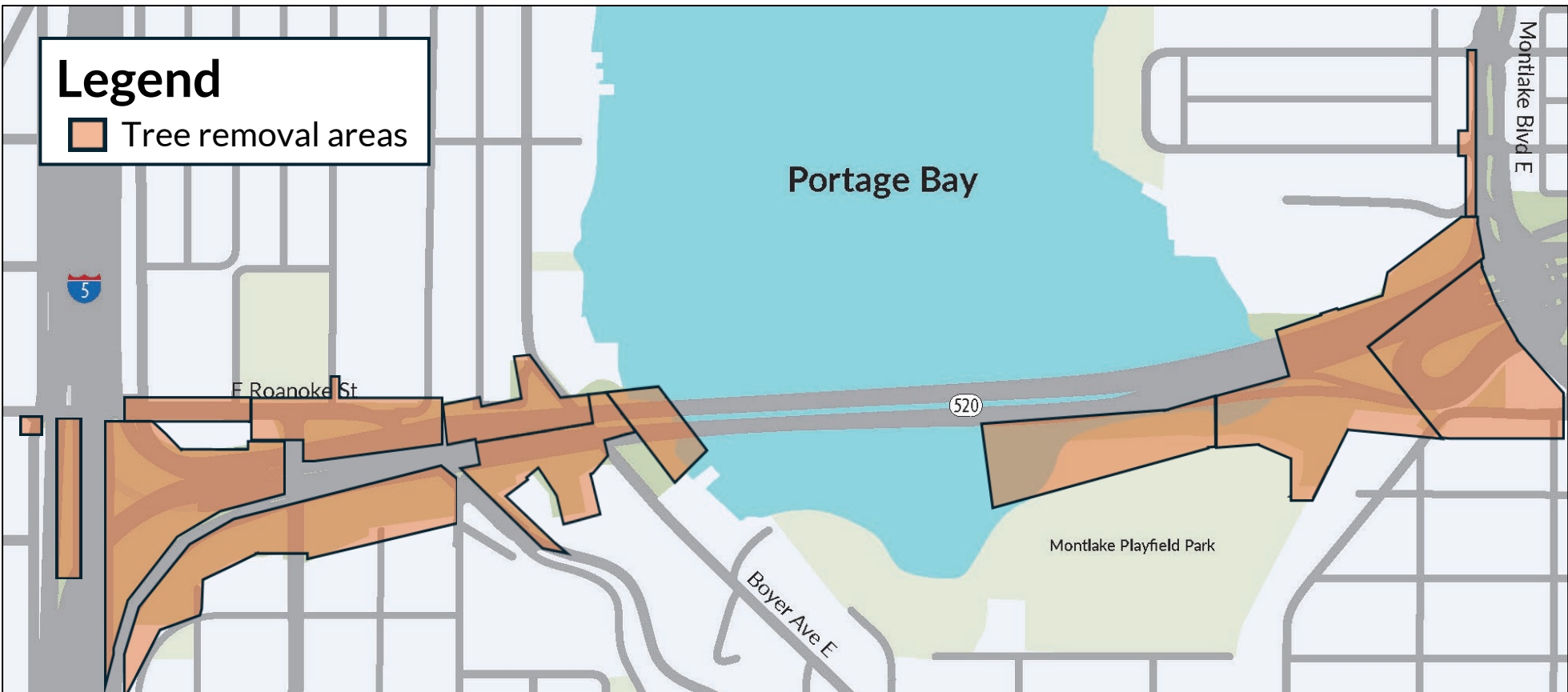
- Barges will be used weekdays from 7 a.m. to 5 p.m. to transport materials to the project area to reduce truck traffic on local streets.
- Barges will haul large materials, heavy equipment, fuel and other materials to Portage Bay.
- There will be one barge making an average of two barge trips per day to and from the Lakepointe site.



Map showing the Lakepointe staging site.

Tree and vegetation removal

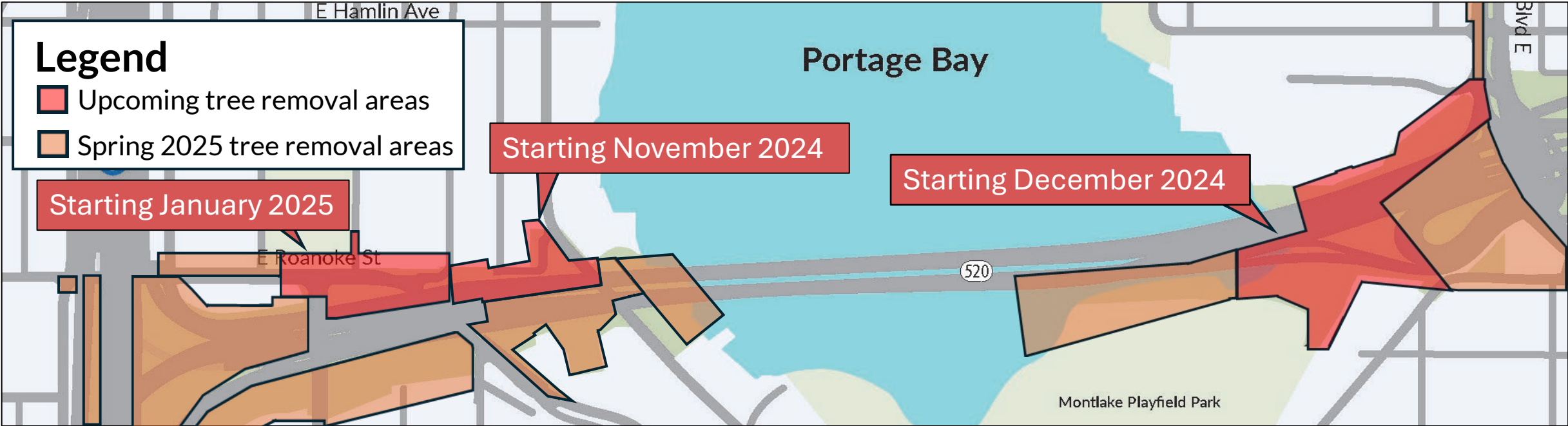
- Some trees and vegetation conflict with construction and will be removed in the following areas over the lifetime of the project.



All tree and vegetation removal areas for the entire project. Trees and vegetation will be removed in stages.

Upcoming tree and vegetation removal

- To access the area for utility work early next year, crews will remove trees and vegetation around Boyer Avenue East and the existing Portage Bay Bridge.
- Any planned removals are pre-marked and have been permitted for removal under the Tree and Vegetation Management Plan (TVMPP) and Section 106.



Tree and vegetation removal map with tentative dates based on early construction planning.

Determining tree removals

- Trees are first tagged to help with inventory and identification.
- A street tree may need to be removed under the following conditions:
 - Conflicts with construction and removal is approved by SDOT Urban Forestry
 - Public safety hazard
 - Safety risk to our transportation system
 - Poor health or poor condition



An example of a tree tag.

PUBLIC NOTICE

**This Tree Proposed for
Removal and Replacement**

WSDOT SR 520
Portage Bay Bridge and Roanoke
Lid Project

Questions - Comments?
Please reference tree ID# _____
Phone (24 hours) - 206-319-4520
Email – sr520bridge@wsdot.wa.gov
Project Information:
sr520bridge@wsdot.wa.gov

THIS PLACARD SHALL ONLY BE REMOVED BY
WSDOT OR CITY OF SEATTLE AUTHORITY

Notices will be posted 30 days
in advance of removal.

Tree and vegetation restoration

- At the end of the project, there will be more trees than there are today.
- Trees will be planted on the east and west sides the project area, including the new Roanoke lid, 10th Avenue East and Delmar Drive East.



Map showing the tree restoration and landscaping around the Roanoke lid.



The new Roanoke lid will provide green spaces for community members to enjoy.

Visit [sr520construction.com](https://www.sr520construction.com) to read the *Tree and Vegetation Management Plan*.

How to stay informed



PORTAGE BAY CONSTRUCTION HOTLINE

206-319-4520

24-hour phone line for construction related questions. This is a new hotline for the Portage Bay Project.



CONSTRUCTION CORNER WEBSITE

One-stop shop for construction information during the Portage Bay and Roanoke Lid project.

sr520construction.com



EMAIL UPDATES

Receive regular email updates about upcoming construction work with our weekly newsletter.

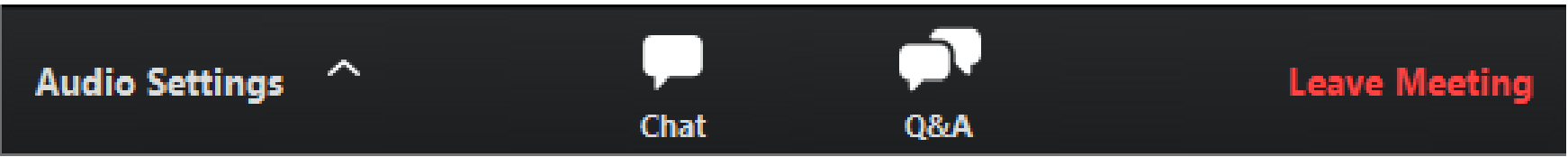


MEETINGS

Attend our open houses and monthly construction meetings. Sign up for email updates to receive invitations to the meetings.

Comments and questions

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