

# Portage Bay Bridge and Roanoke Lid

## Monthly Construction Update Meeting

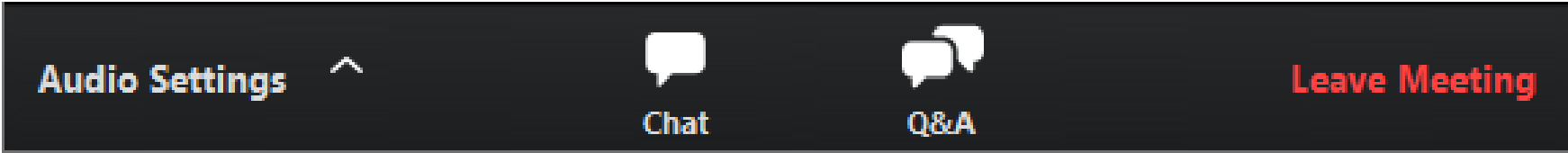
November 12, 2024

*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
- Project schedule and map
- Current construction
- Upcoming work
- Work being planned
- How to stay informed
- Q&A session



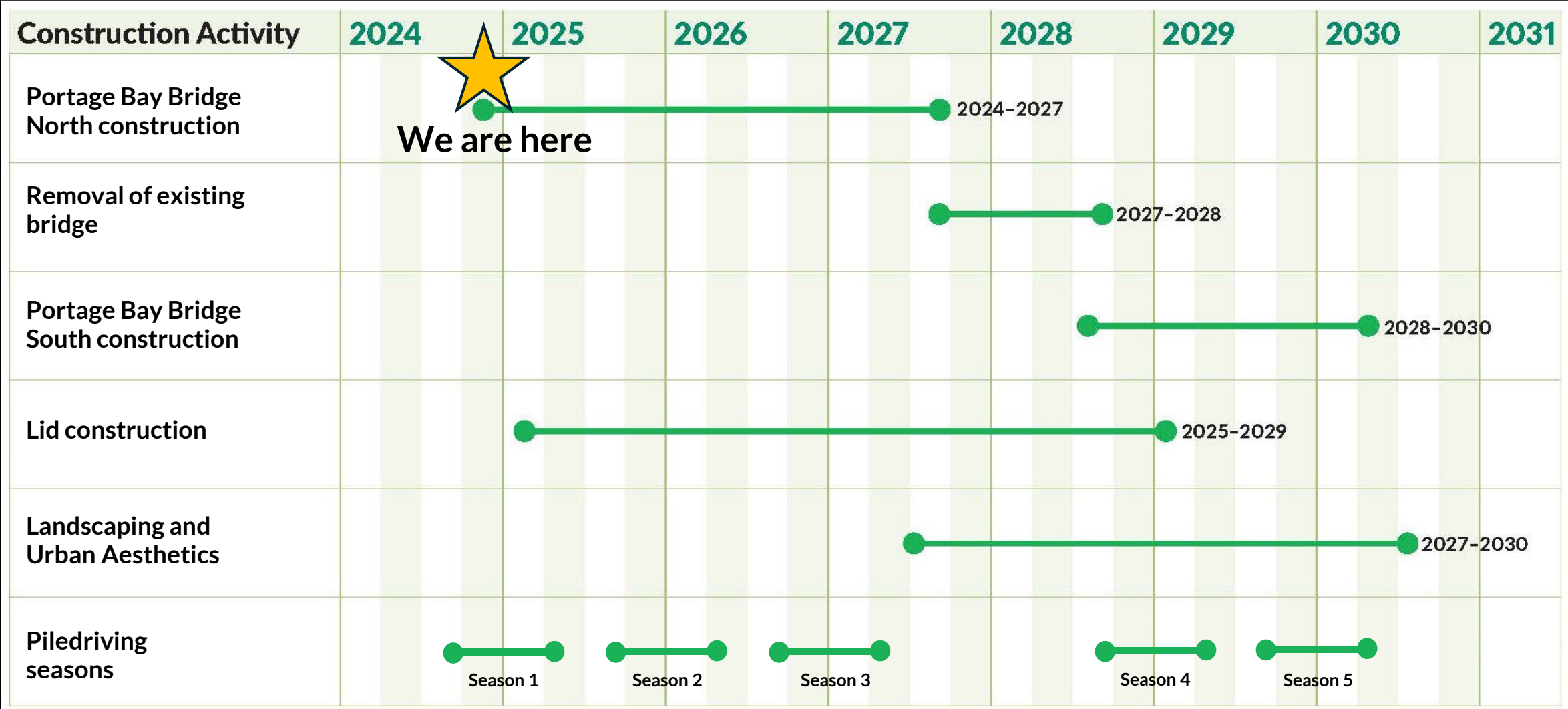
Conceptual rendering of the new Portage Bay Bridge.

# Project map



Map of major project elements.

# Project schedule



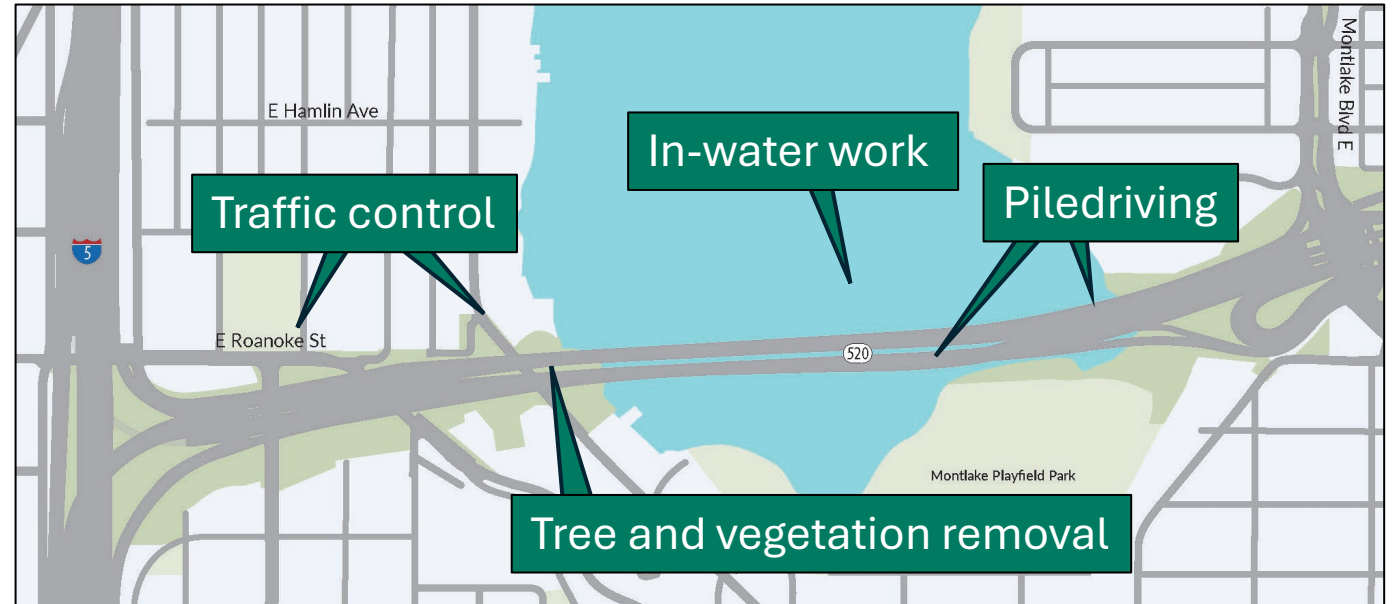
Note: Piledriving seasons will occur annually from September through April. Vibration and other construction activities will occur year-round.

# Current construction activities

**Construction started last week.**

In November, we will:

- Continue using barges for hauling and work trestle construction
- Continue piledriving in Portage Bay
- Begin tree and vegetation removal near the Boyer hillside



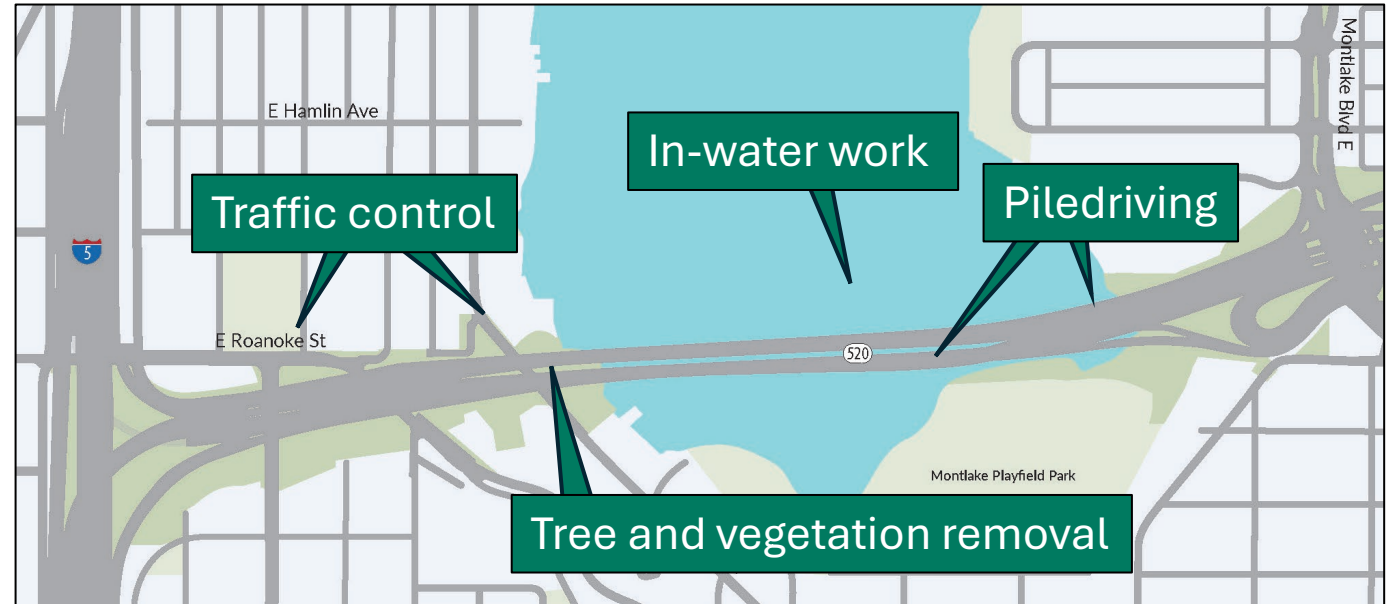
Project area map.



# Upcoming construction activities

This year, we will:

- Continue piledriving into 2025
- Continue traffic control around East Roanoke Street, Delmar Drive East and Boyer Avenue East
- Continue tree and vegetation removal near the Boyer hillside
- Plan for the Boyer stairs closure

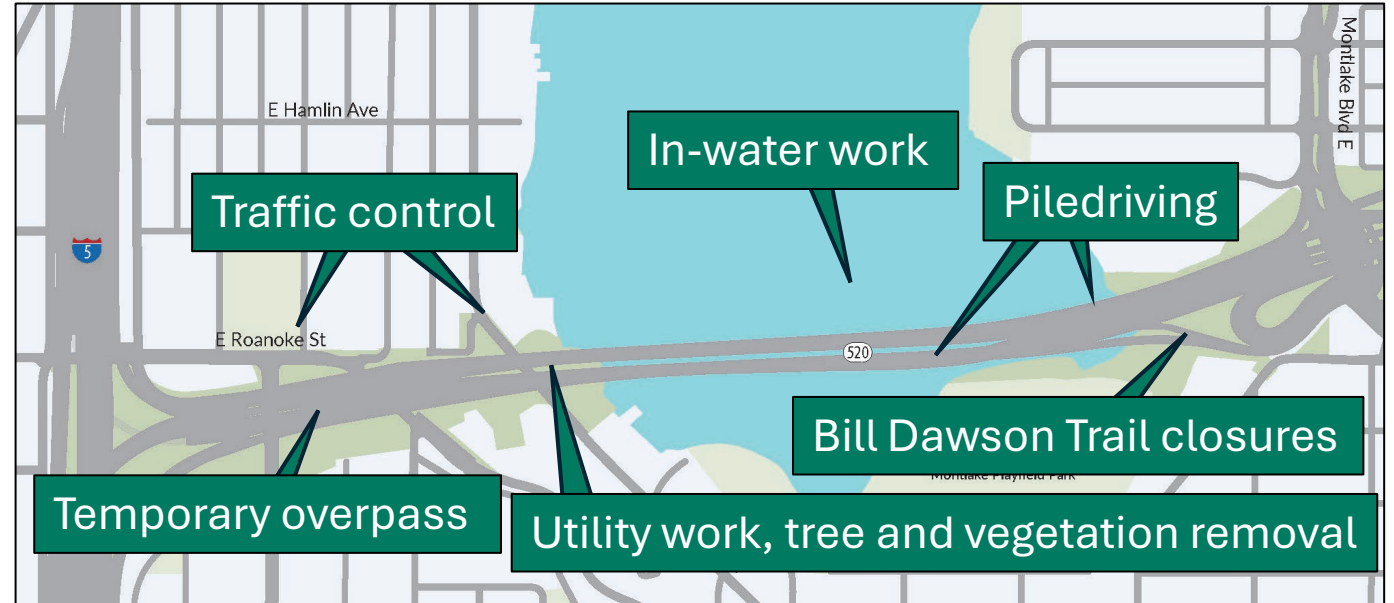


Project area map.

# Planned construction activities

Early next year, we will:

- Continue pile driving through April 2025
- Begin intermittent closures of the Bill Dawson Trail in early 2025
- Begin a long-term closure of the Bill Dawson Trail in spring 2025
- Continue designing the temporary overpass near 10th Avenue East and Delmar Drive East



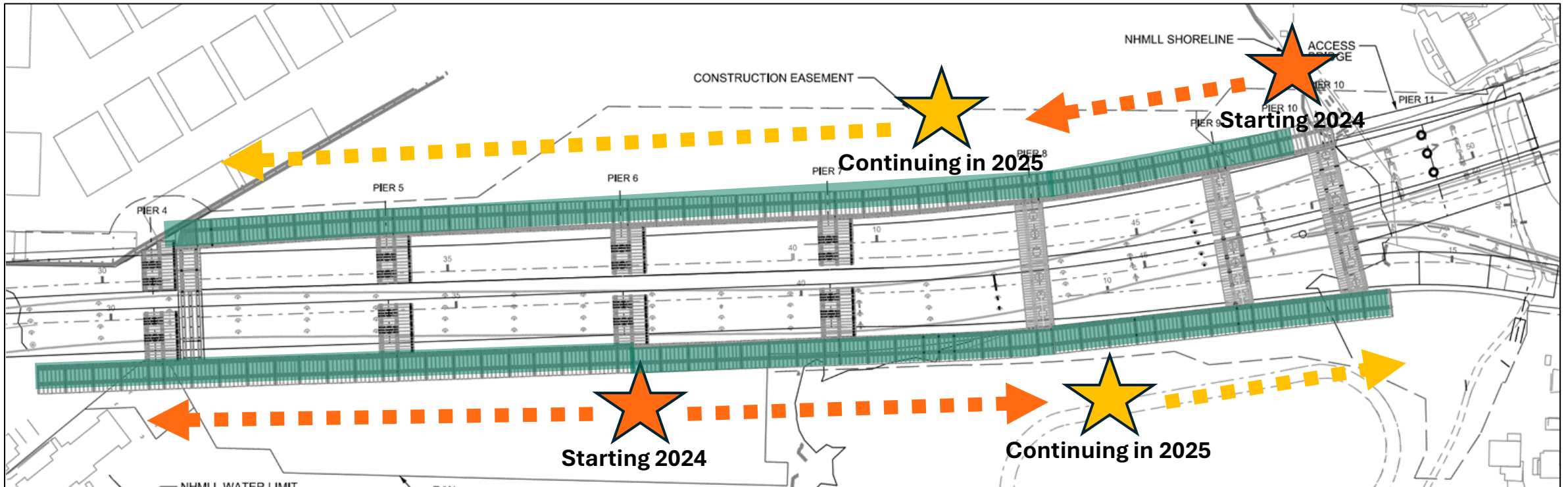
Project area map.



# Current work

# Piledriving has started (Season 1)

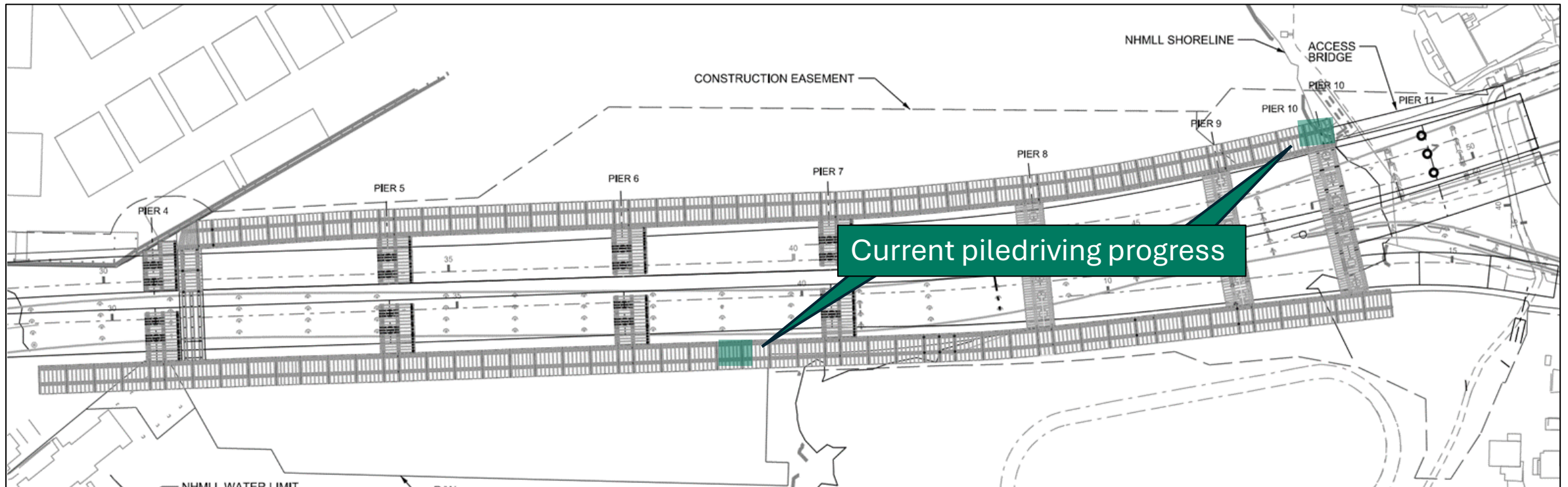
- Last week, crews began installing piles to build the temporary work trestle.
- Crews will install around 700 piles over the lifetime of the project.
- As piles are installed, crews will begin building the platform for the work trestle.



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

# Piledriving progress (November 2024)

- We will install multiple piles each day.
- We have started working in the green sections below.



Map showing the current progress on piledriving.

# Impact piledriving in Portage Bay

- Impact piledriving will occur in “seasons” each year from September through April, six days per week.
- This is the first of six impact piledriving “seasons” for the project.
- 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.



The barge used for piledriving in Portage Bay.



# Vibratory piling in Portage Bay

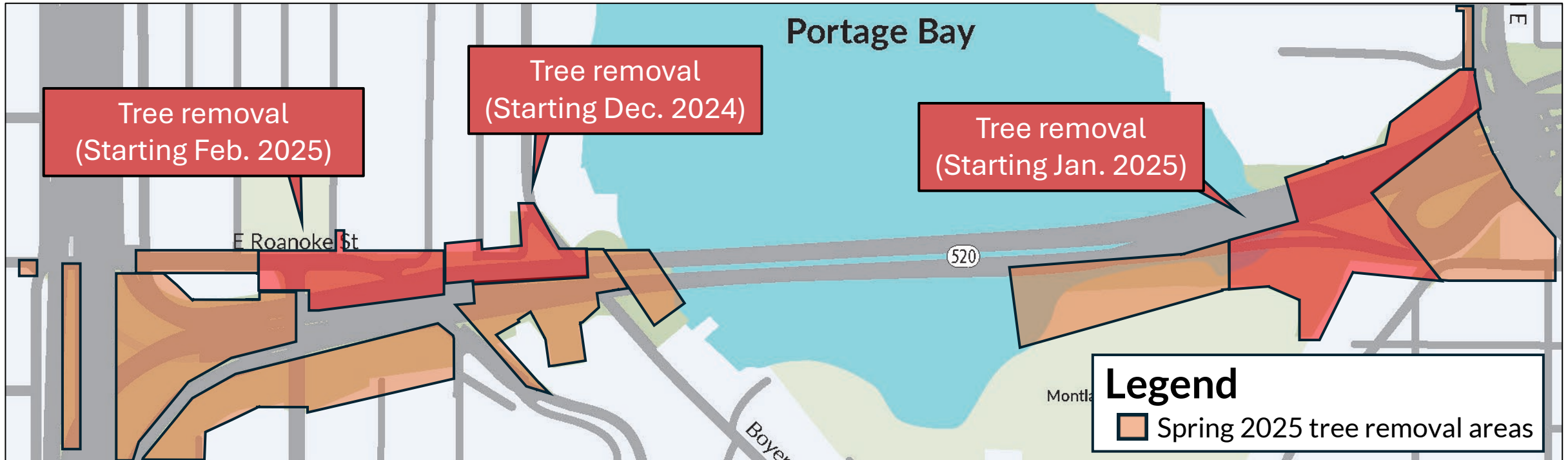
- Vibratory piling will occur year-round.
- Vibratory piling uses vibratory hammers that cause less noise than impact piling, though they still cause vibration.
- We will use both vibratory and impact piling to place a majority of the piles.
- Expect loud noise and vibrations from this work. We may work some nights.
  - 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.



A vibratory hammer used during construction of the SR 520 Floating Bridge.

# Upcoming tree and vegetation removal

- Earlier this fall, we posted tree removal notices on trees near Boyer Avenue East.
  - We are scheduled to remove these trees in December 2024.
- Before we remove trees in other areas, we will post tree removal notices at least 30 days in advance.



We will remove trees and vegetation in stages. We are currently scheduling the tree removals in the orange areas.

# What to expect during tree removal

- We will post tree removal notices at least 30 days in advance.
- We will use a combination of large machinery and hand tools to remove trees.
- Expect large machinery and daytime 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 will use a variety of techniques to mitigate the effects of tree removal depending on the conditions of the work area.

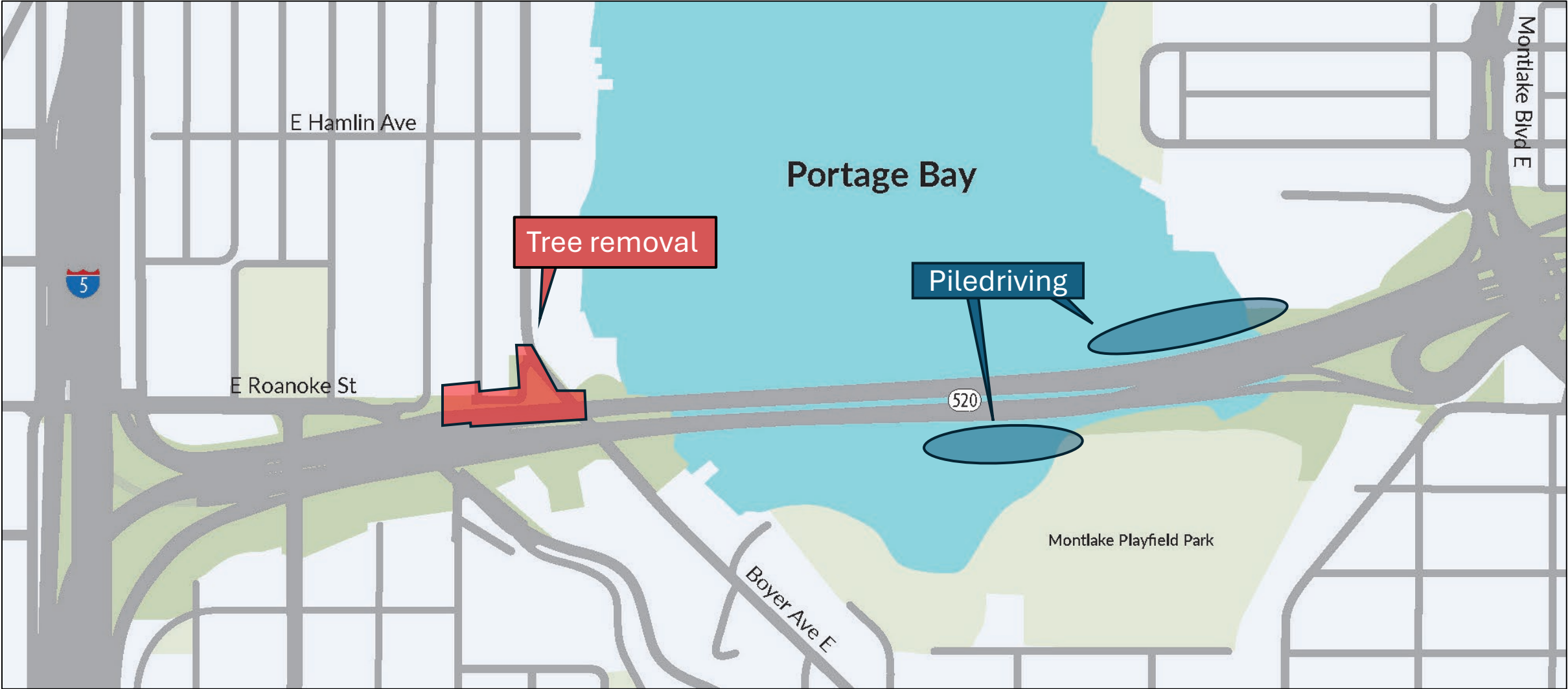


An example of machinery used to remove trees.

**Learn more about tree and vegetation removal**  
Want to learn more about the tree removal process?  
Check out the *Tree and Vegetation Removal FAQ* on  
the [Construction Corner](#) to learn more.



# Current construction activities (November 2024)



Map of current construction activities.

# Nearby construction projects

# SDOT Curb Ramp & Sidewalk Improvements

- Starting in November, the Seattle Department of Transportation will upgrade some sidewalks, curb ramps and pedestrian crossings in the Portage Bay neighborhood.
- For questions and information, contact:
  - (206) 775-8723
  - [TOUPCurbRamps@seattle.gov](mailto:TOUPCurbRamps@seattle.gov)

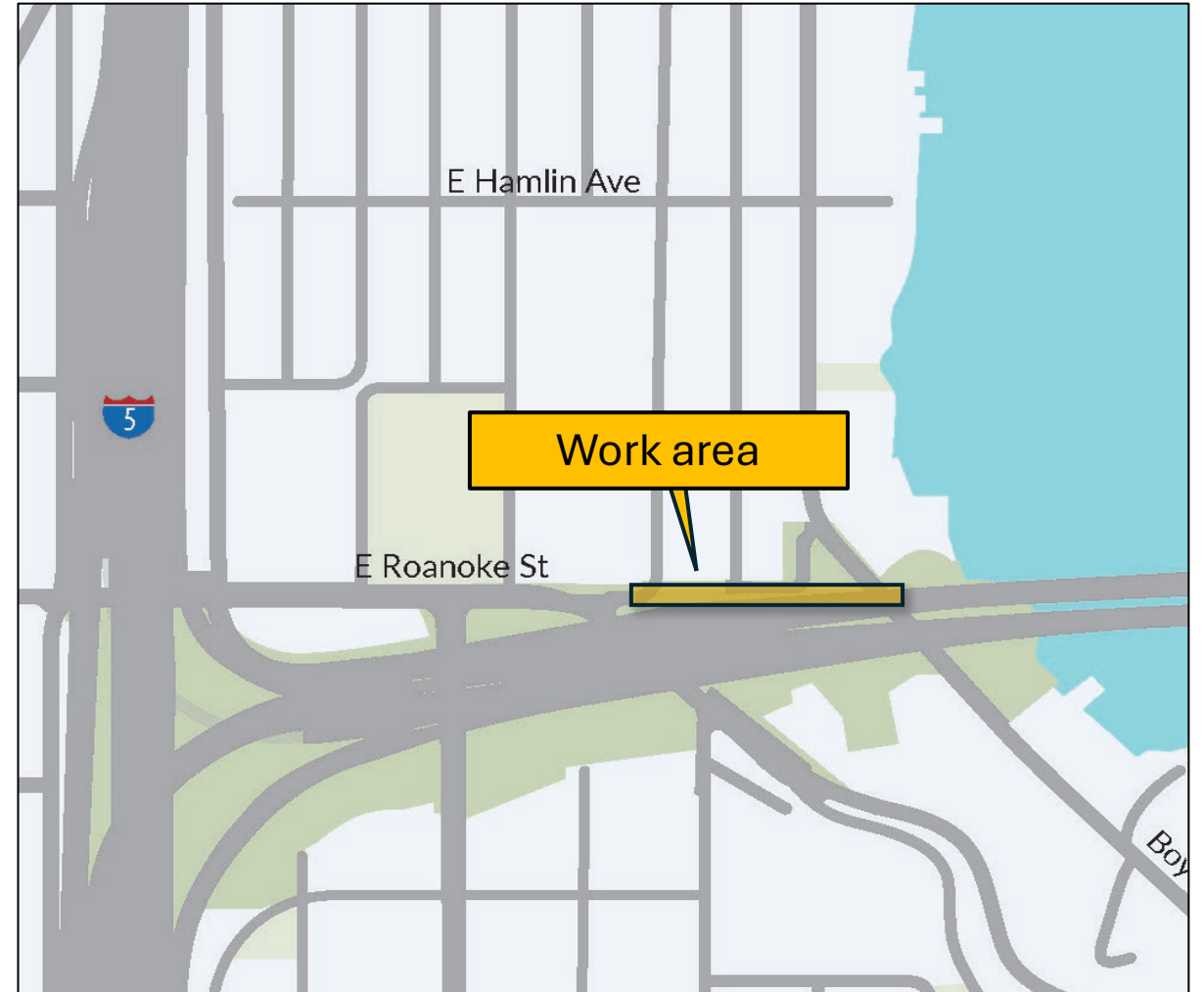


Map of the curb ramp upgrades (Photo/SDOT)

# Upcoming work

# Upcoming utility work in Portage Bay

- In January 2025 we will begin working on utilities near Boyer Avenue East.
  - Relocating overhead electric lines
  - Relocating existing water line
- Why we are doing this work:
  - Moves utilities to help prepare the area for lid construction
  - Makes room for retaining walls under the new Portage Bay Bridges and Roanoke Lid



Map of the utility work near East Roanoke Street.

# Water line relocation

- We are working with Seattle Public Utilities (SPU) to relocate a water line near Federal Avenue East.
- Work is scheduled for January 2025 through February 2025.
- We will notify nearby neighbors before construction starts.
- SPU will notify neighbors about any planned water shutoffs.



Map of the water line work near Federal Avenue East.

## Tree and vegetation removal

Before construction starts, inspectors will check the area to see if they need to remove any trees or vegetation to prepare the work zone.



# Powerline relocation

- We are working with Seattle City Light (SCL) to relocate a powerline near Boyer Avenue East.
- Work is scheduled for February 2025 through September 2025.
- SCL will notify neighbors if there are any planned power shutoffs.
- There will be minor effects on traffic, including potential partial lane closures, traffic shifts, flagging or detours.

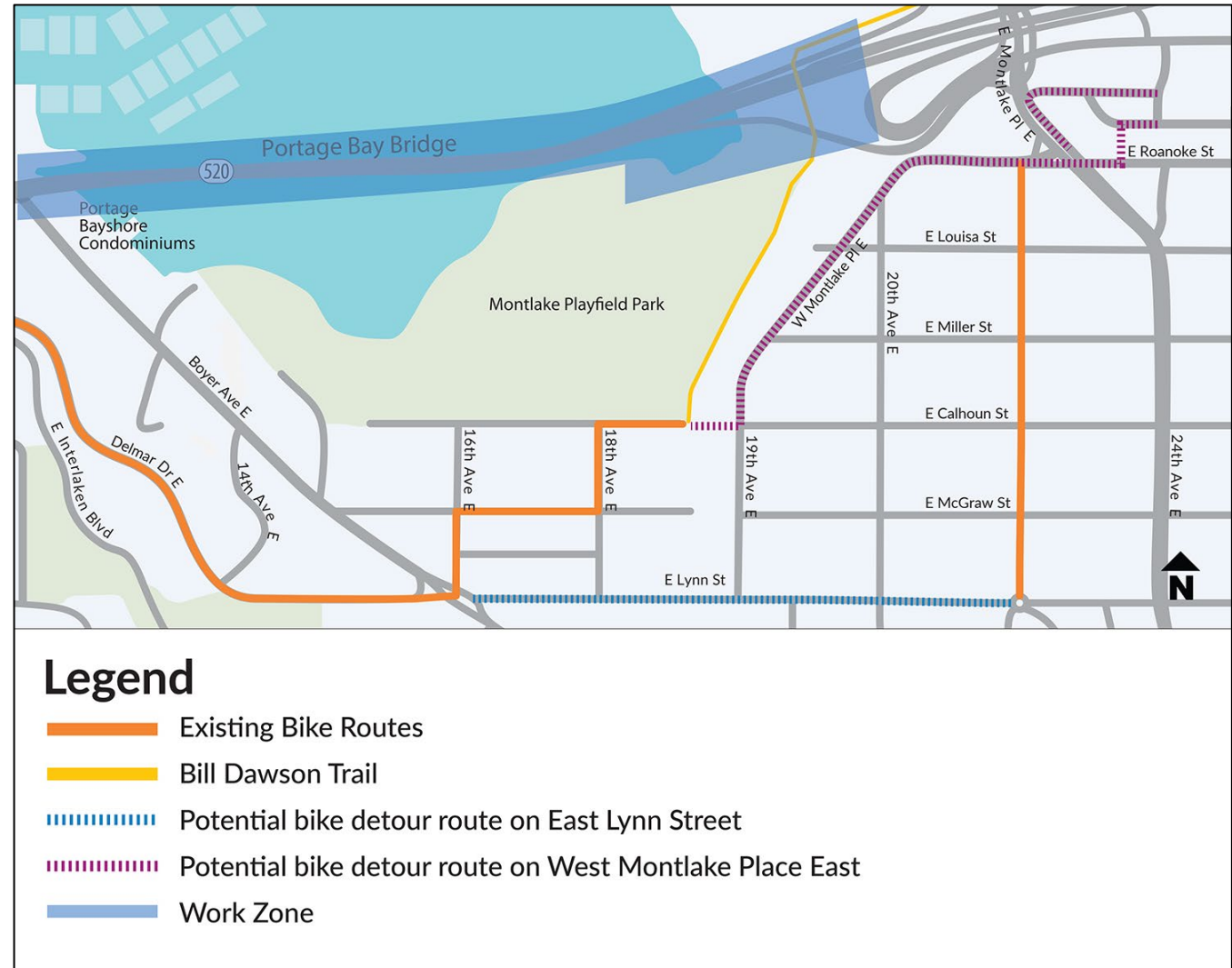


Location of the powerline near the WSDOT access road on Boyer Avenue East.



# Bill Dawson Trail short-term closures

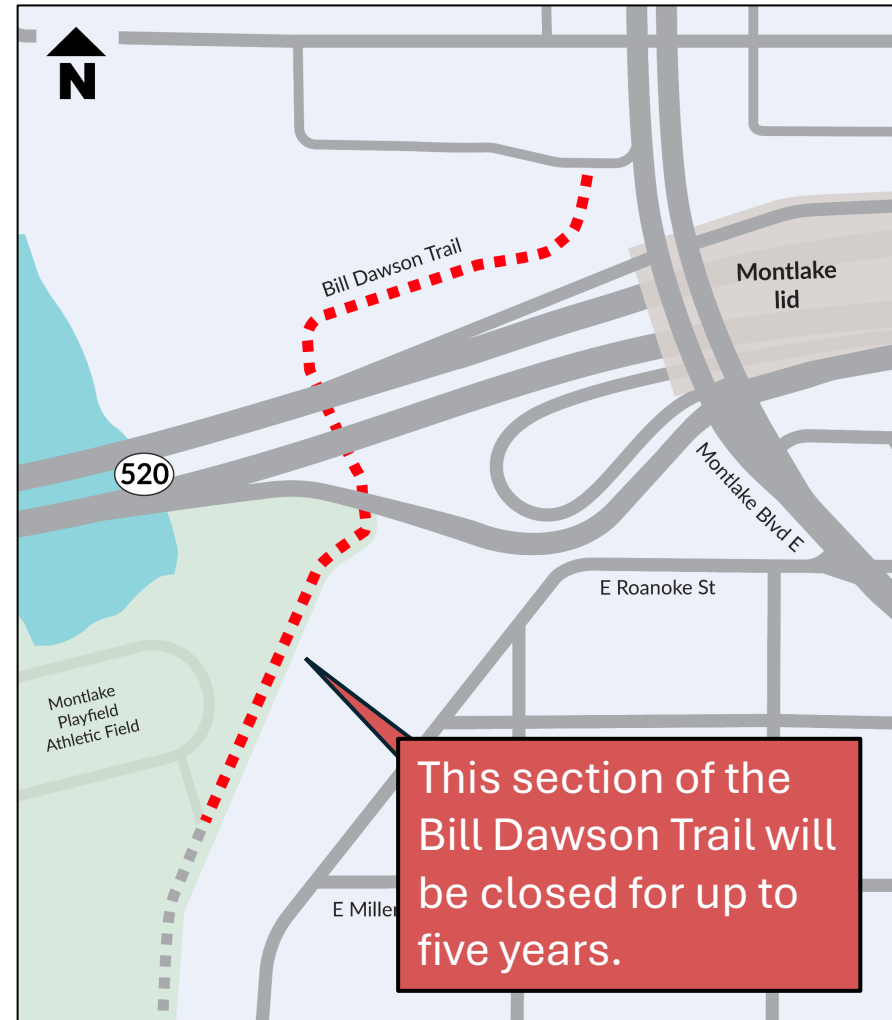
- **Closing the Bill Dawson Trail:** The trail will close periodically throughout early 2025 for tree removal and equipment staging.
- **Creating detours:** We are continuing to work with Seattle Parks and SDOT to develop clear detour routes.
- **Maintaining access:** We will offer additional detours for people walking and rolling.



A map of an example detour for the trail closure.

# Bill Dawson Trail long-term closure

- As early as spring 2025, we will close the Bill Dawson Trail between Montlake Boulevard and the Montlake Playfield for **up to five years**.
- We will use a section of the trail to access our work zone in Portage Bay.
- We will use heavy equipment to build:
  - Temporary work trestle
  - Ramps to Montlake Boulevard
  - Temporary and permanent bridges over and around the trail



Map showing the section of the Bill Dawson Trail that will be closed.

# Planning upcoming construction activities

# Planning to build the new Roanoke lid

- Work on the new Roanoke lid is scheduled to begin in 2026.
- To build the lid, we will:
  - Install piles and support structures
  - Build a temporary overpass to maintain connections during construction
  - Remove the existing 10th Avenue East and Delmar Drive East overpasses

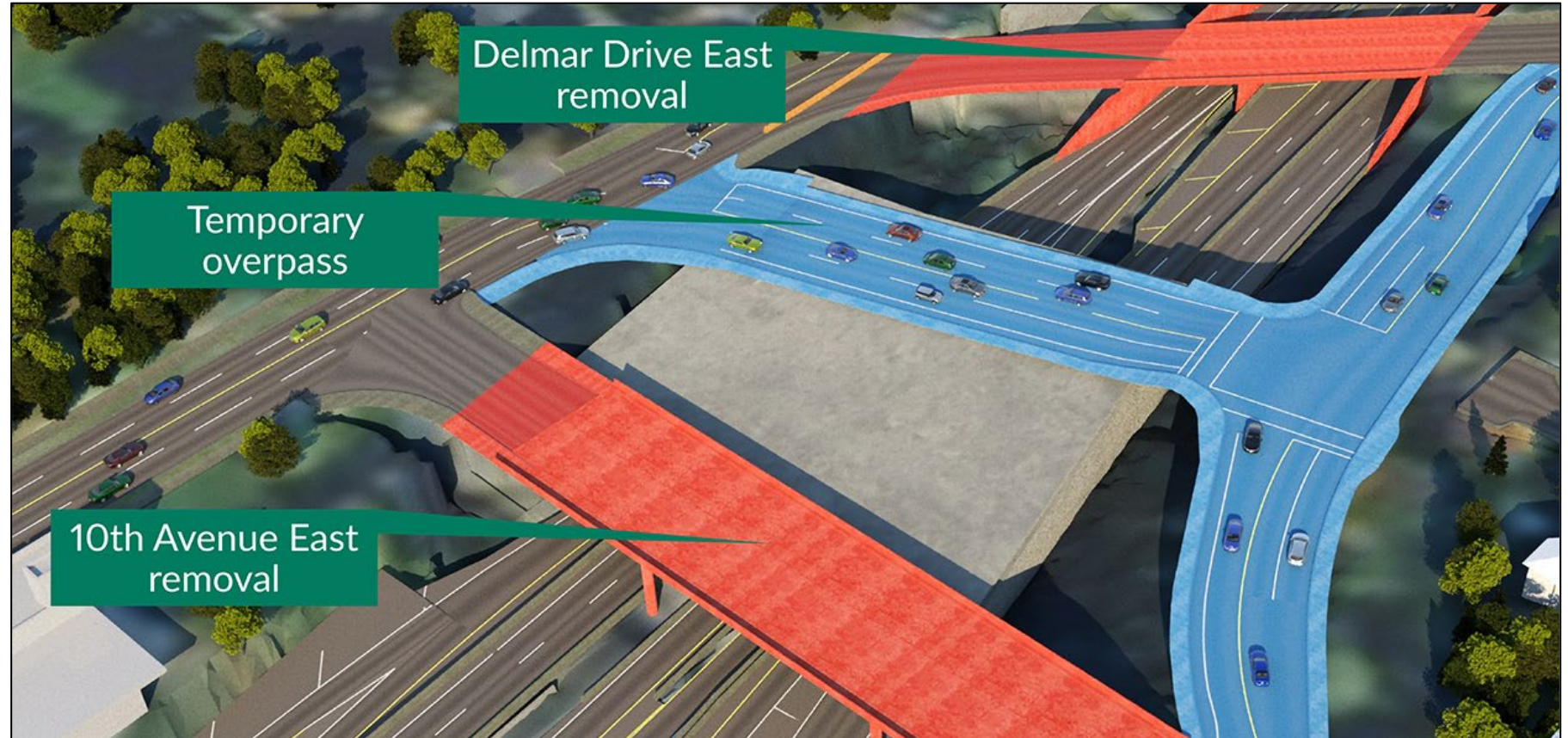


A conceptual rendering of the new Roanoke Lid.



# Maintaining access during lid construction

- We will create temporary detours for travelers while we build new bike and ped connections near SR 520 and the new Roanoke lid.
- We will detour travelers starting in summer 2027 to the end of 2029.
- Existing sidewalks and bike connections will be closed temporarily during lid construction.



A conceptual rendering that shows the removal of the existing overpasses and an approximate location for the temporary crossing over SR 520.

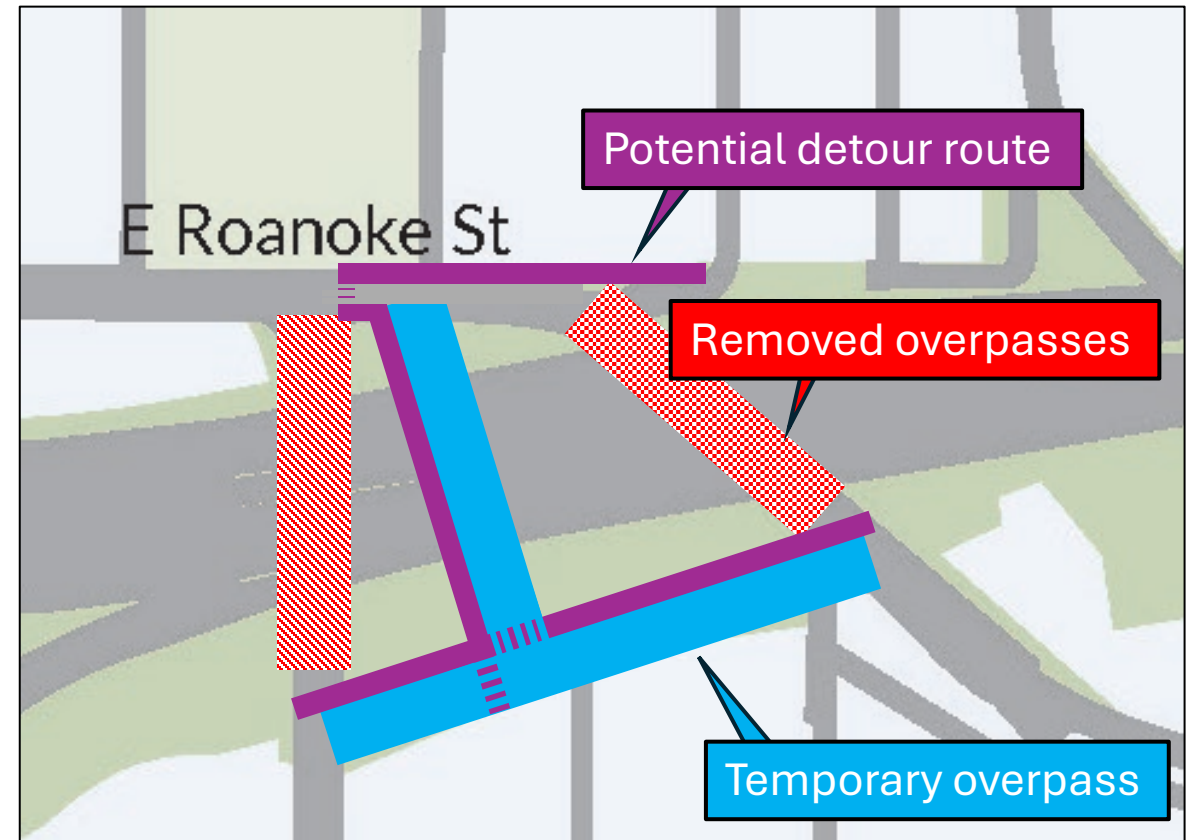
# Designing the temporary overpass

We are working on a preliminary design for the temporary overpass.

The preliminary design includes:	What we are working on now:
<ul style="list-style-type: none"><li>• Sidewalks and bike connections</li><li>• Crosswalks at signaled intersections</li><li>• Similar number of travel lanes</li><li>• New temporary signals</li><li>• Clear detour signs</li></ul>	<ul style="list-style-type: none"><li>• Sidewalk, bike lane and travel lane widths</li><li>• Types of bike lanes</li><li>• Signal timing</li><li>• Enhancing safety for all travelers</li></ul>

# Example detours during lid construction

- We will provide detours for people walking, rolling and biking during construction of the lid.
- Skanska is currently working with the Seattle Department of Transportation to develop clear detours.
- We will maintain a crosswalk on East Roanoke Street near Roanoke Park.

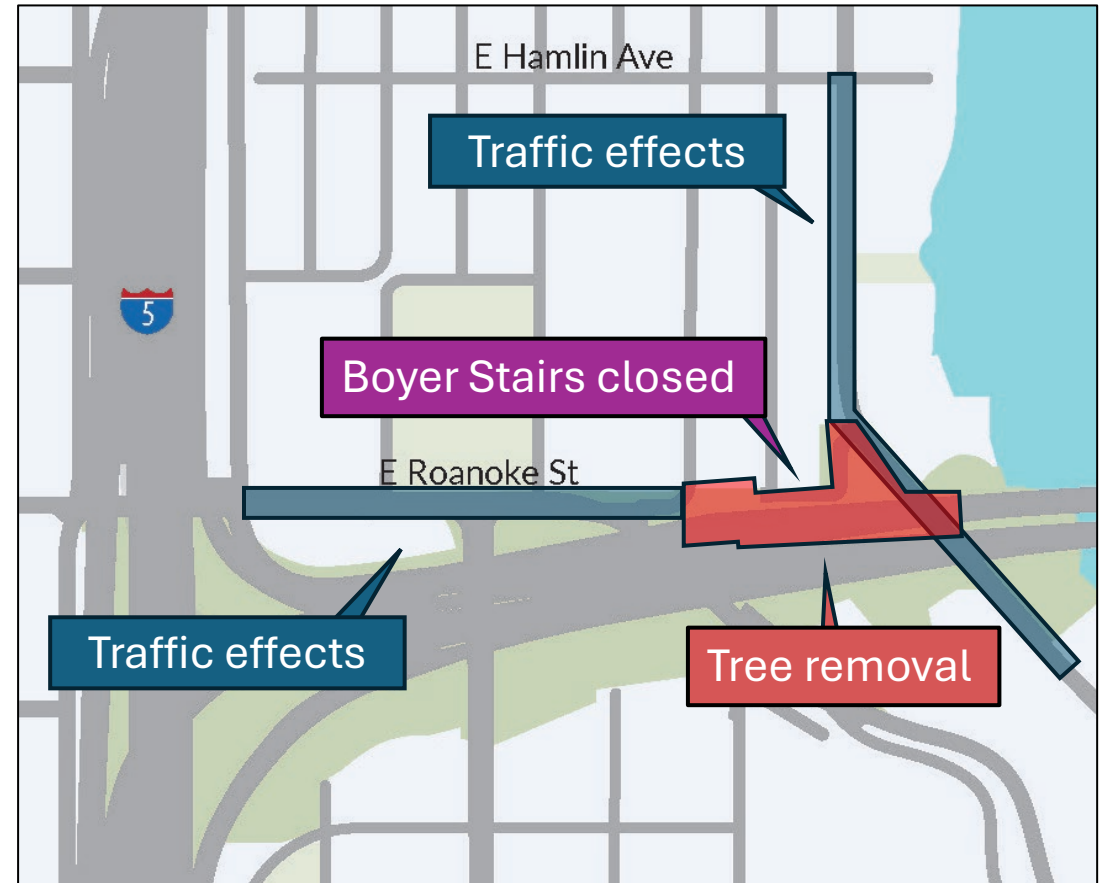


A potential pedestrian detour during lid construction.



# Local traffic effects

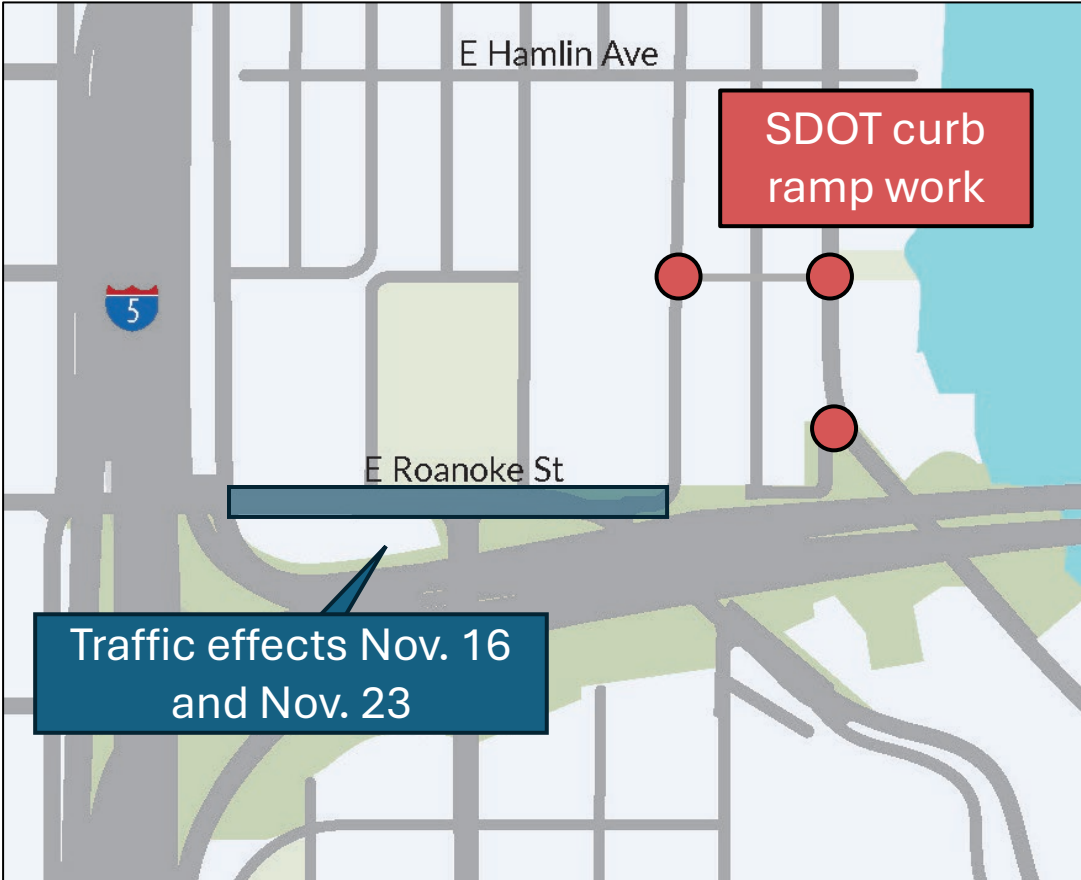
- Upcoming work in the Roanoke Park neighborhood will effect traffic on local streets.
- For the rest of 2024, you can expect:
  - Partial lane closures, traffic shifts, flagging and detours
  - Upcoming closure for the Boyer stairs
- Expect increased traffic effects in January when some areas will have multiple days or weeks of effects in a row.



Map of the Roanoke Park and Portage Bay neighborhoods

# Traffic effects near East Roanoke Street

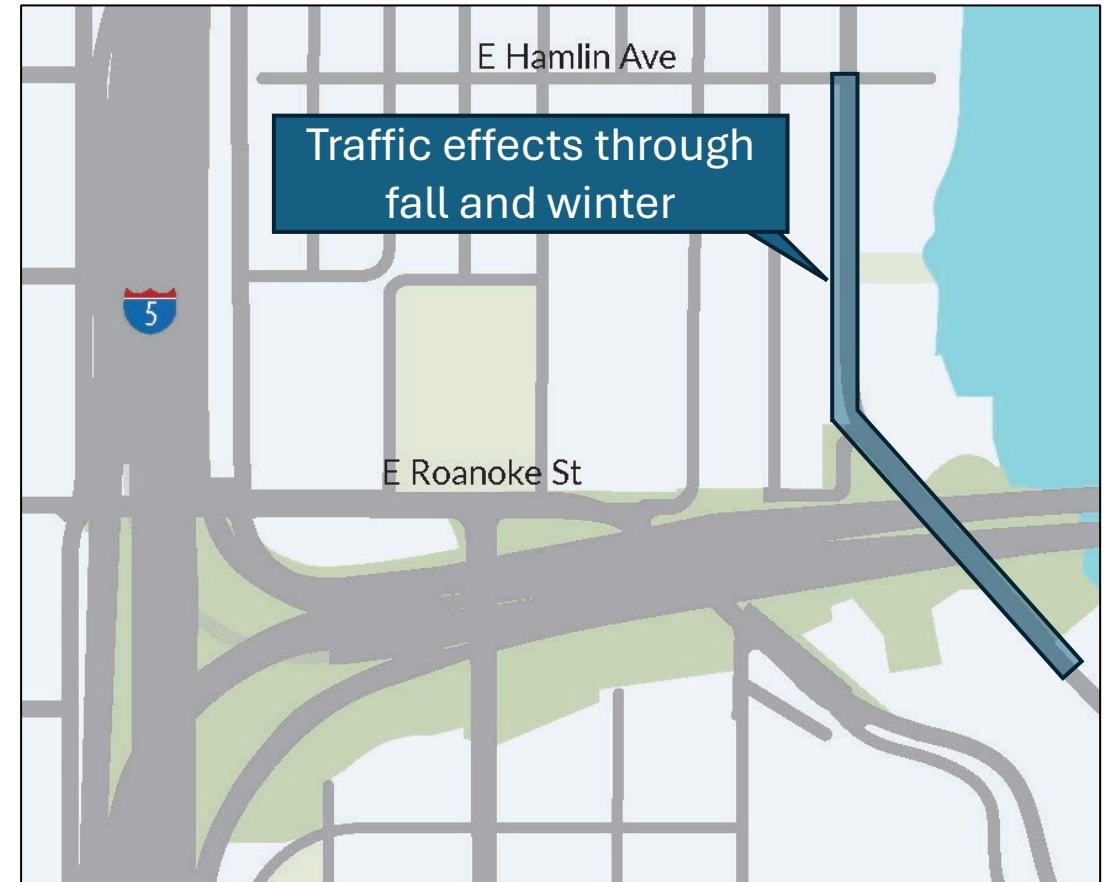
- **East Roanoke Street**
  - Daytime lane closures and detours scheduled for November 16 and November 23. Visit [SR520construction.com](http://SR520construction.com) to stay up to date.
- **East Roanoke Street alley**
  - No significant activities are scheduled for the rest of 2024.
  - Crews working for SDOT will install new curb ramps near the alley entrance on Boyer Avenue East
- **11th Avenue East**
  - No significant activities are scheduled for the rest of 2024.



Map of the Roanoke Neighborhood.

# Traffic effects on Boyer Avenue East

- **Boyer Avenue East**
  - Regular traffic flagging for the remainder of 2024 and early 2025.
  - Some crosswalk and sidewalk closures when the Seattle Department of Transportation installs curb ramps in the neighborhood
- We will remove vegetation near Boyer Avenue East, but crews will mostly stay near the WSDOT access road and the Boyer hillside.



Map of the Roanoke Neighborhood.

# Staying in touch and Q&A

# 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.

**THANK YOU!**

# Comments and questions

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**.



# Meeting recordings

Want to review this meeting again? Visit the project website to find meeting materials and recordings.

Remember to click on the "Related links" tab!

## SR 520 Portage Bay Bridge and Roanoke Lid Project

### Project overview

The Portage Bay Bridge and Roanoke Lid Project will replace the aging Portage Bay Bridge with a seismically resilient structure that includes improved bus/carpool travel and an extension of the SR 520 Trail. This project also builds a landscaped lid between Seattle's Roanoke Park and North Capitol Hill neighborhoods.


Timeline	2024-2031
Project status	Construction
Funding	1.375 billion
Project hotline	<a href="tel:206-319-4520">206-319-4520</a>

### What to expect

This project starts on November 6, 2024.

There are no immediate traffic restrictions for this project. The first traffic restriction/changeover is anticipated to be in summer 2025.

Please visit [SR520Construction.com](https://SR520Construction.com) for updates on traffic and information about the project, bridge, tree removals and construction staging.



[View full image](#)

*This project will complete SR 520's reconstruction between Bellevue and Seattle.*

[Stay informed by subscribing to our email updates](#)

- History and background
- Timeline
- Funding
- Maps & drawings
- Related links**
- Contact

### Monthly Portage Bay Project construction update meeting

Our next Portage Bay Project monthly meeting will be held online at 5:30 p.m. Tuesday, Nov. 12. [Register for the meeting online.](#) Missed our last monthly meeting? You can [view the presentation online](#) (PDF 3.1MB) or [view the meeting recording on YouTube](#).



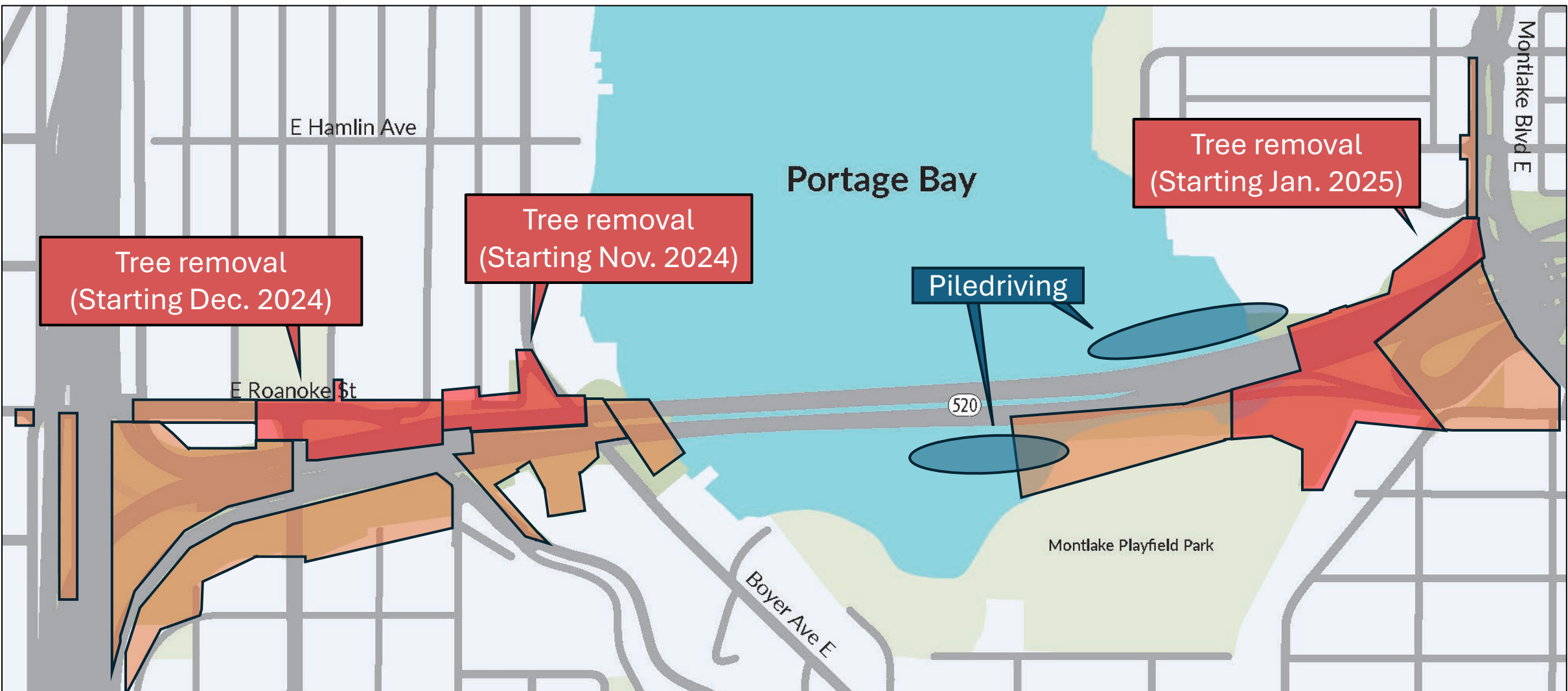
# Reference slides

# Project map (for reference)



Map of major project elements.

# Tree map (for reference)



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



# Working in Portage Bay

- We will use barges, tugboats, cranes and the temporary work platform to build the new bridges.
- To reduce construction effects in the bay, we will:
  - Use reinforced hydraulic hoses and floating oil containment devices (oil booms) to lower the risk of leaks in Portage Bay.
  - Use underwater bubble "curtains" to reduce noise and vibration.



Rendering of the temporary work trestle in Portage Bay.

## Did you know?

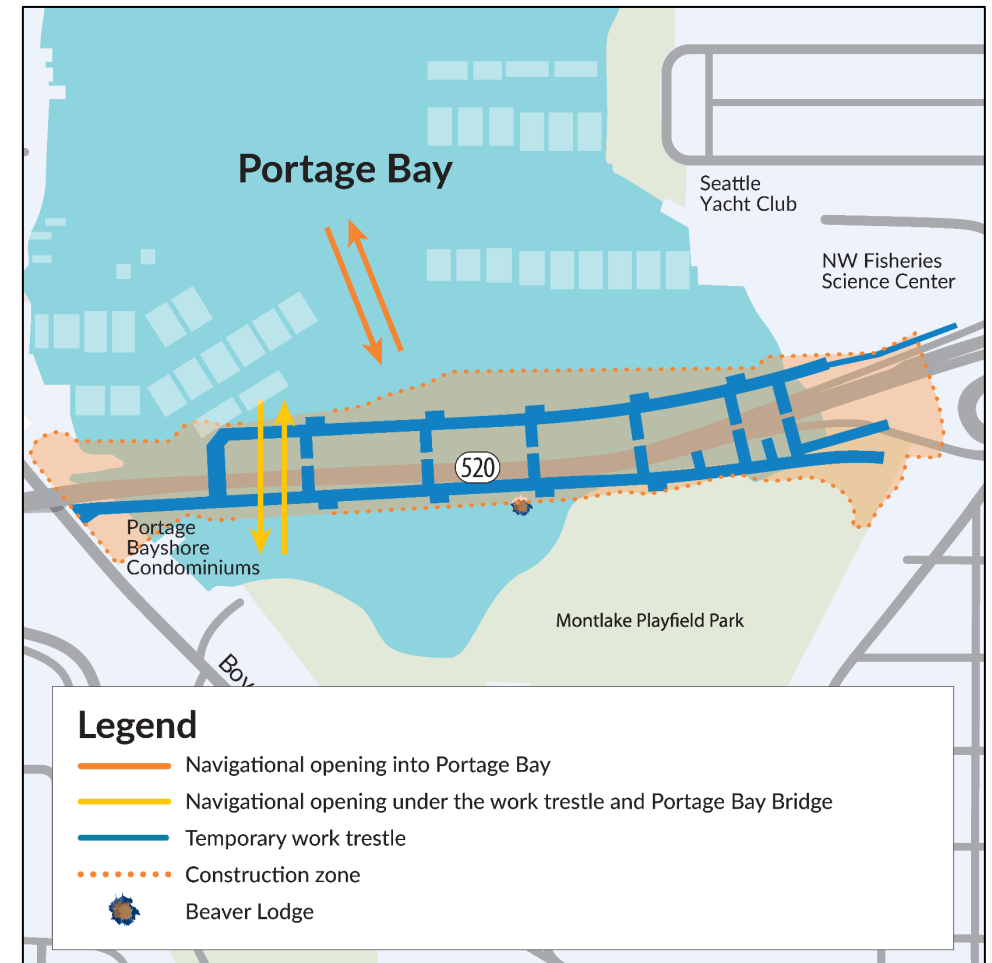
We will primarily use barges to move materials and equipment to the work zone from the Lakepointe staging site in Kenmore. This will help reduce truck traffic on local streets. Visit the [Construction Corner](#) to learn more about barges and staging.

# Maintaining access for boaters

- Portage Bay is an active area for recreational boaters and lake users.
- We are coordinating with nearby dock and slip owners during construction.
- We will maintain 24/7 access for boaters in and around the work zone.
  - We will mark the navigational channel with signage and buoys.

## Did you know?

There is a beaver lodge located in Portage Bay between the existing bridge and the Montlake Playfields. We've taken steps to make sure the lodge isn't impacted by our work. Check out the [Beaver Lodge FAQ](#) on the [Construction Corner](#) to learn more.



We will maintain at least one navigational channel under the work trestle.