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July 2026 Construction Meeting

Please note that this meeting is being recorded.

Meeting information

Please note that this meeting is being recorded.

Time: Noon to 1 p.m.

Q&A: Please submit your questions via the Q&A chat box at the bottom of your screen.

Contact us: Want to ask us a question after the meeting ends? Send us an email at sr520bridge@wsdot.wa.gov.

Want to share this meeting with others? Next week, visit the Construction Corner at sr520construction.com to view a recording of the meeting and download a copy of today's presentation.

Stay up to date

Get weekly updates about current and upcoming construction activities straight to your inbox.



Portage Bay Bridge and Roanoke Lid Project

July 2026 Construction Meeting

July 23, 2026

Please note that this meeting is being recorded.

Welcome

Facilitator

- Allan Vann, Skanska Public Information Officer

Presenters

- Raeanna Pittman, Skanska Engineer
- Steve Peer, WSDOT Communications

Meeting information

- Presentation on construction activities
- Q&A at the end of the meeting



Crews using a crane to move the vibratory hammer between casings (June 2026)

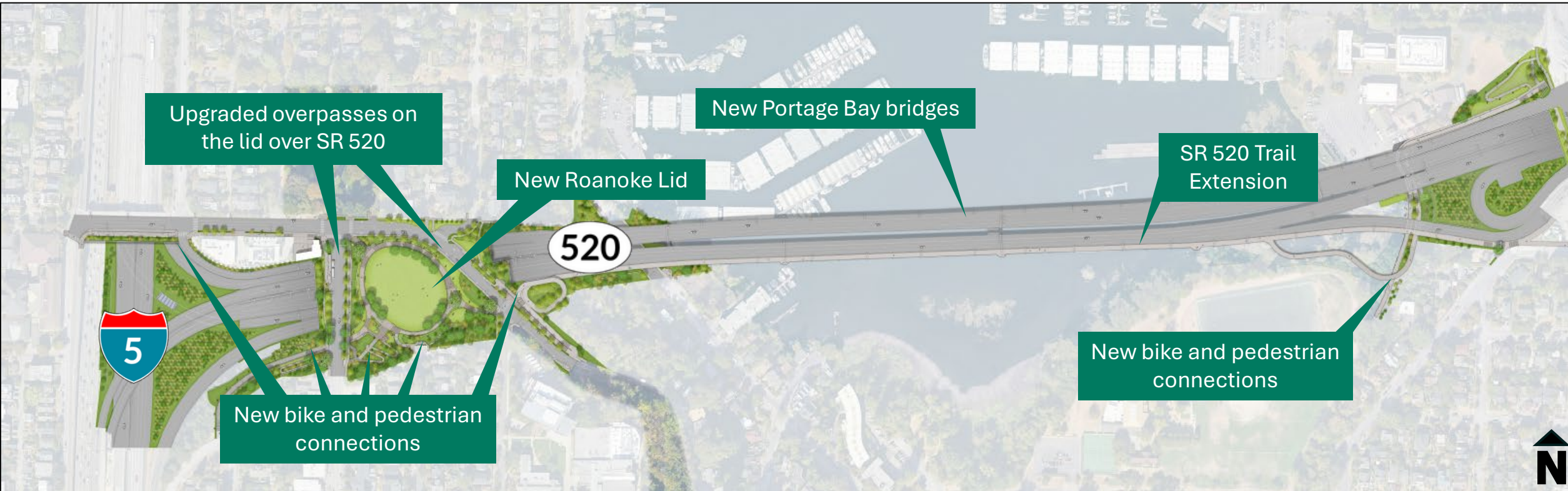
Agenda

- Project benefits and schedule
- Construction updates
 - Excavation near Boyer Avenue East
 - Drilled shaft update
 - Lid foundation update
 - Piledriving update
 - Acoustifence update
 - Traffic shift near the Montlake Lid
 - Montlake Boulevard sign bridge replacement
- Upcoming traffic impacts
- How to stay informed
- Q&A session



Three casings staged and cranes on the work bridge (July 2026)

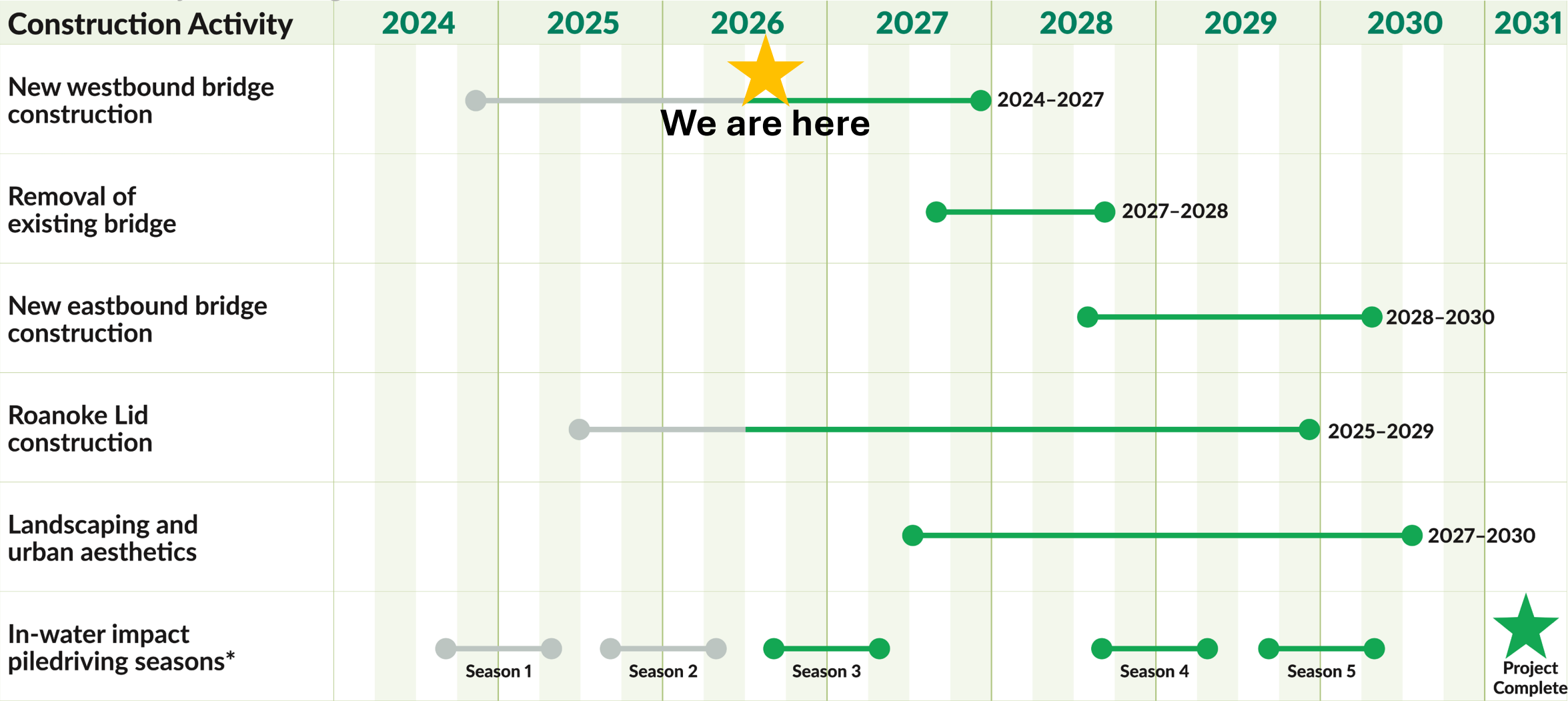
Project benefits



Map of major project elements.

Project schedule

Schedule subject to change



*In-water impact piledriving will occur in seasons annually from September through April. Impact piledriving on land and piledriving with a vibratory hammer will occur year-round.

New: Excavation near Boyer Avenue East

Excavation work along Boyer Avenue East

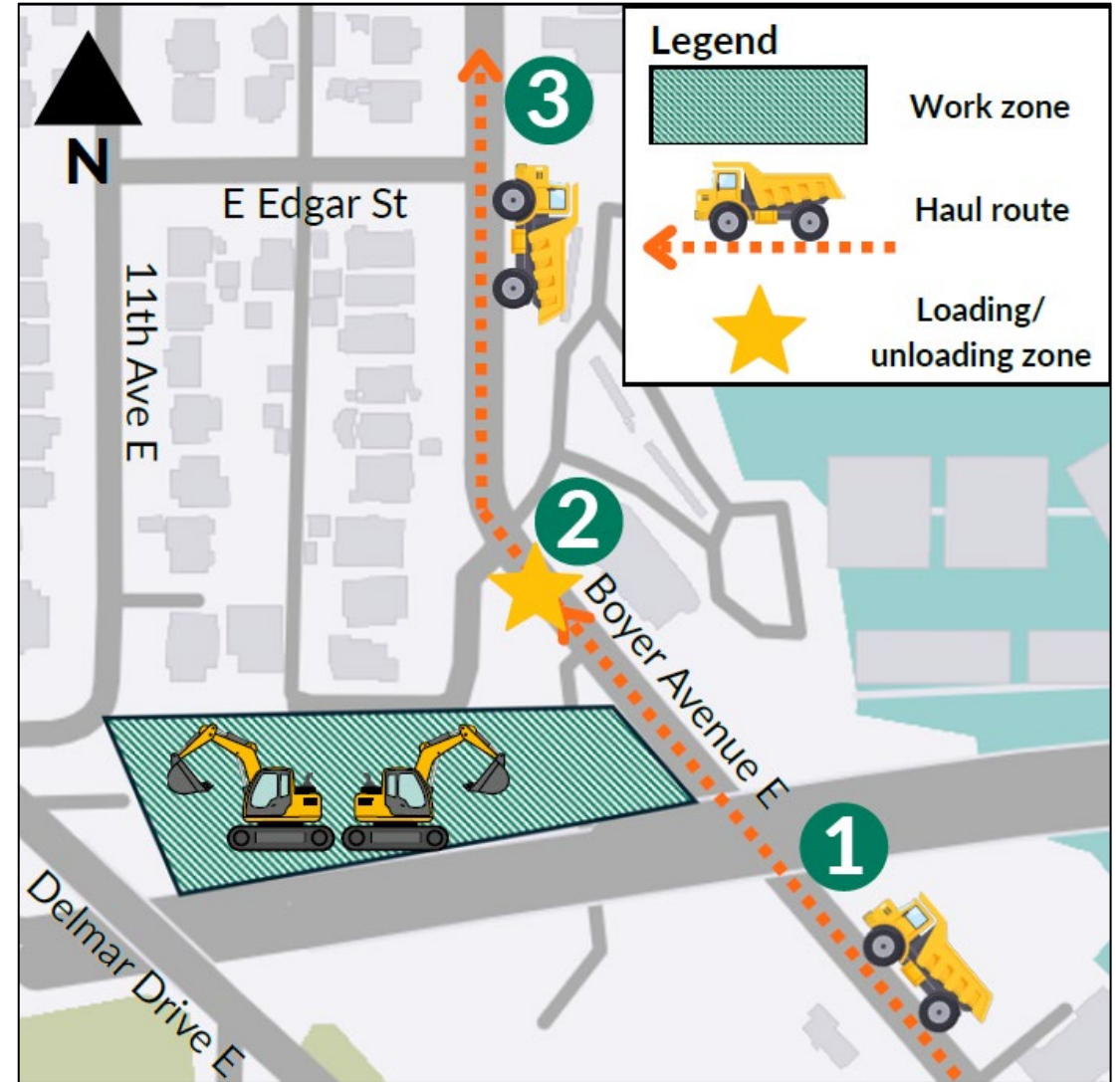
- Starting on July 20, we began around-the-clock work on the Boyer hillside between the East Roanoke Street alley and SR 520 (near the old Boyer Stairs).
- Crews are excavating and regrading the hillside to prepare the area for permanent bridge foundations.



Excavation work area near Boyer Avenue East, looking northwest (July 2026)

Excavation work along Boyer Avenue East

- Crews are using excavators and dump trucks to remove loose soil and replace it with new soil that is better suited for new permanent infrastructure in the area.
- Expect 24/7 parking restrictions in and around the work zone on Boyer Avenue East.
- Dump trucks will enter and exit the work zone during our traffic hours from 9:30 a.m. to 3:30 p.m. and 8 p.m. to 6 a.m. daily/nightly, Monday through Saturday.



Map of the excavation work area near Boyer Avenue East.

Trucking operations

- Trucks will operate in two shifts daily, Monday through Saturday:
 - Day shift: 9:30 a.m. to 3:30 p.m.
 - Night shift: 8 p.m. to 6 a.m.
- There will be an average of 24-36 truck loads during each day shift and 45-60 truck loads during each night shift.
- Truck beds will be lined to reduce noise and loads will be covered during transport.
- Trucks will not idle for more than five minutes while waiting to be loaded.



Crews working on the Boyer hillside (July 2026)

Trucking operations

Truck traffic for excavation (current plan)

Average daily trucking

- 6-hour shift (9:30 a.m. to 3:30 p.m.)
- Average 2-3 round trips for 12 trucks daily
- No trucking between day and night shifts; just work on site and prep for next shift

Average nightly trucking

- 10-hour shift (8 p.m. to 6 a.m.)
- Average 3-4 round trips for 15 trucks nightly
- Trucks staged on eastbound SR 520 until they are ready to be called into neighborhood to haul away materials

Total trucks in a 24-hour period

- Avg. minimum: 24 loads per day / 45 loads per night
- Avg. maximum: 36 loads per day / 60 loads per night
- Total average: 69 trucks per 24 hours
- Total maximum: 96 trucks per 24 hours
- **Estimated total truck trips for excavation: 2,000 trips**

Want to learn more? Visit our [Portage Bay Major Construction Updates webpage](#).

Excavation work along Boyer Avenue East

Phase 1: Approx. two months beginning July 2026	Phase 2: Approx. two months (following Phase 1)
• Dump trucks will travel on northbound Boyer Avenue East (accessed via Montlake Boulevard and other nearby arterial streets) to access the work zone. • After crews remove weak soil, excavators will load it into dump trucks. • Dump trucks will then leave the work zone and continue heading northbound on Boyer Avenue East.	• Following the two-month soil excavation, dump trucks will return to replace new soil at this location. • This work should take another estimated two months to complete and follow a similar pattern/schedule as Phase 1.

Want to learn more? Visit our [Portage Bay Major Construction Updates](#) webpage.

Excavation work along Boyer Avenue East

Original method: Landslide mitigation walls (multiple walls)	New method: Boyer Hillside regrade
• Build roads up the hillside for heavy equipment to access new wall locations (soil would be trucked off-site via Boyer Ave). • Steel casings (vibrated in over 100ft) delivered by crane on Boyer Ave. • Concrete delivery trucks coming back and forth on Boyer to fill pump stationed on Boyer (takes about a day) • Neighbors would experience vibration & continuous truck traffic for at least 6-9 months.	• Helps mitigate risk of hillside movement during construction • Reduces number of reinforced concrete drilled shafts by approx. 65-85% • Reduces timeline to approx. four months (if not sooner) • Better stabilizes the hillside long-term

Excavation work along Boyer Avenue East

Options considered:

- **Option:** Stockpile at top of hillside with nightly lane closure on westbound SR 520 for hauling.
 - **Issue:** Unstable soil at top of hillside could not safely support stockpile weight
 - **Issue:** Only working at night extends duration
- **Option:** Conveyor belt to haul materials through Portage Bay
 - **Issue:** Would require building new structures and getting new environmental permits (adding 6-12 months)
- **Option:** Use southwest work trestle as haul route instead of Boyer Avenue East
 - **Issue:** Trestle completion not expected until fall when rainy season begins.

Want to learn more? Visit our [Portage Bay Major Construction Updates webpage](#).

Excavation work along Boyer Avenue East

Potential improvements*:

- **Option:** Use Delmar Drive East to bring in new soil to help speed up duration of hillside work during construction
- **Option:** Phase hillside excavation and southwest work trestle construction concurrently to use trestle for hauling sooner. This would likely result in additional noisy night work.

**Because of soil sensitivities each option requires geotechnical analysis to make sure it is feasible and safe. We'll continue to keep you updated via our weekly listserv and website.*

Want to learn more? Visit our [Portage Bay Major Construction Updates webpage](#).

Excavation work along Boyer Avenue East

- We have a new page dedicated to major construction updates on our Construction Corner website
- As we reach significant construction elements for this project, this page will provide additional in-depth information on the planned work.

The screenshot shows the Washington State Department of Transportation (WSDOT) Construction Corner website. The header includes the WSDOT logo and navigation links: Contact us, SR 520 Program, News, and Good To Go!. Below the header is a navigation bar with buttons for Construction Map, SR 520 Program (dropdown), Construction Projects (dropdown), Outreach & Events, Document library, and Major construction updates. Two alert banners are visible: an orange one for Portage Bay construction efforts with a 'Visit' button, and a light blue one for the weekly vibratory casing installation schedule with a 'View schedule' button. The main content area features the heading 'Portage Bay major construction updates' with a subtext 'Updated July 20, 2026'. A text box below states: 'This page provides in-depth information about some of the larger construction efforts related to the [SR 520 Portage Bay Bridge and Roanoke Lid Project](#). It will be updated when significant construction elements call for additional information.'

Visit our [Portage Bay Major Construction Updates](https://sr520construction.com/portage-bay-major-construction-updates/) webpage here:
<https://sr520construction.com/portage-bay-major-construction-updates/>

Permanent bridge foundations (drilled shafts) update

Westbound Portage Bay bridge foundation pier map

- We have nearly finished vibratory casing installation for the summer.
- Crews are installing the final drilled shaft casing for five bridge foundation piers for the new westbound bridge.
- Crews will build a total of twelve bridge piers for each bridge over the course of the project.



A map of the new westbound Portage Bay bridge pier locations.

Preparing the casings for rebar and concrete

- We are now removing the soil from inside each casing to prepare for permanent rebar and concrete.
- Crews are using a crane-mounted bucket grabber to remove soil and load it into trucks.
- We haul material to a decanting area near the Montlake lid to dry before transporting it off site.
- Crews pump water out of each casing for treatment.
 - Water is treated in Baker tanks near the Montlake Playfield and Roanoke Park.



An example of crews using a bucket grabber to remove soil from a drilled shaft casing (Source: Malcolm)

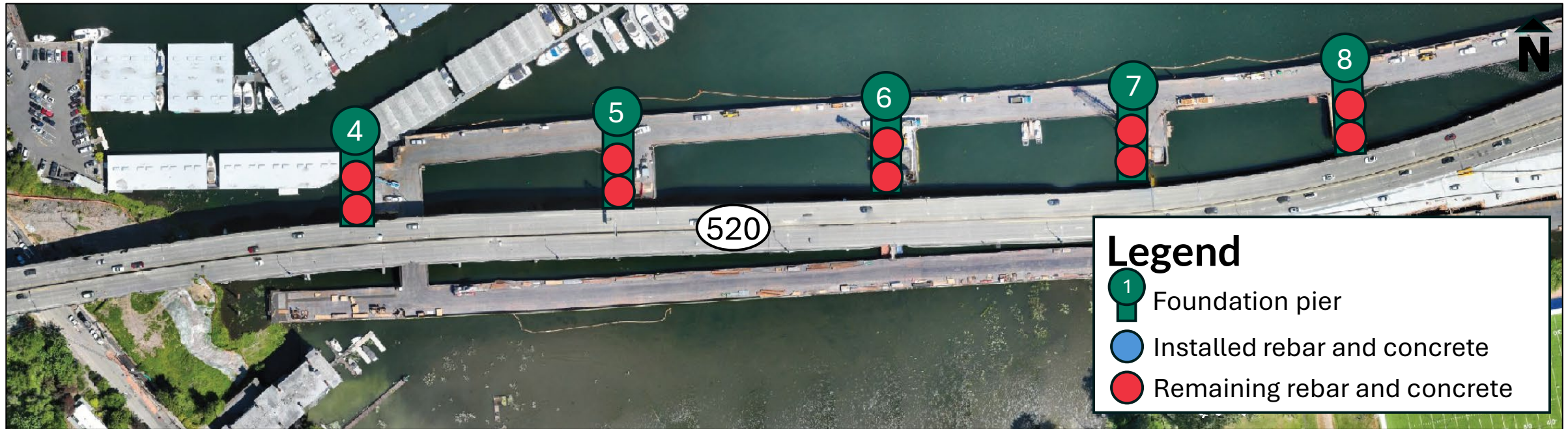
Installing rebar for drilled shafts

- Through the summer, we will use barges to bring in large rebar cages from the Lakepointe staging site in Kenmore.
 - Each rebar cage is between 99 feet and 130 feet long.
- Crews will place the rebar cages inside each of the installed casings.
- After we place the rebar cages, we will pour concrete to fill the shaft.
- When the concrete is cured, we will begin to build the next bridge elements, called columns and caps, on top of the drilled shaft.
- What to expect:
 - Barge deliveries from Kenmore to Portage Bay on weekdays
 - Crews will work during day and nighttime hours



An example of crews using cranes to install rebar cages into casings
(Source: Malcolm)

Drilled shaft rebar and concrete map

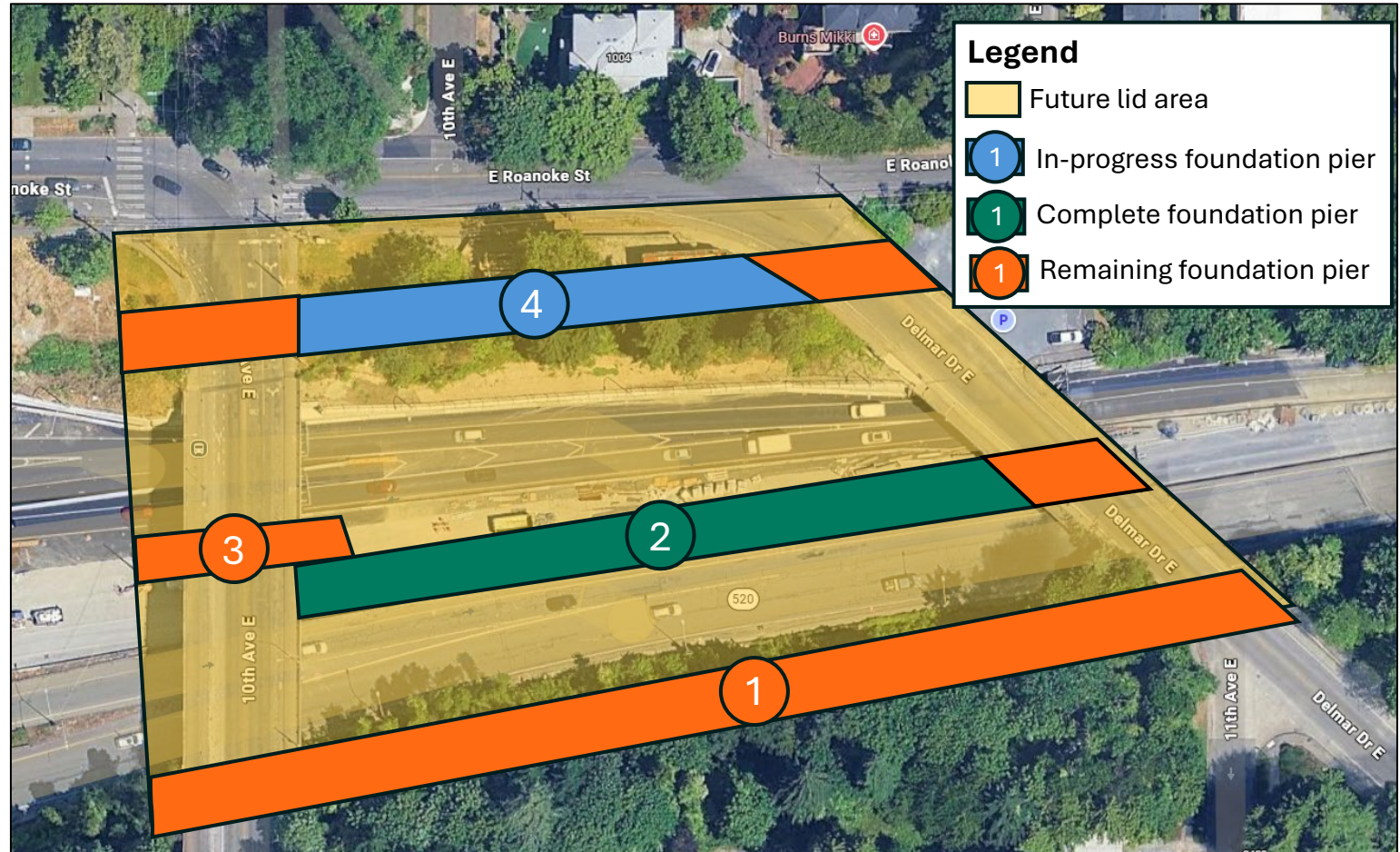


Map of current and upcoming rebar installation and concrete pour areas (for piers 4 through 8).

Lid foundation update

Roanoke lid foundation piers

- Crews are continuing to install foundation piers for the Roanoke lid.
- Construction has started on lid pier 4.
- Most of lid pier 2 was installed earlier this year.
- Later this summer, crews will begin construction of lid pier 1.



A map of the Roanoke lid pier locations.

Building lid piers: Construction sequence

To build each lid pier, crews will:

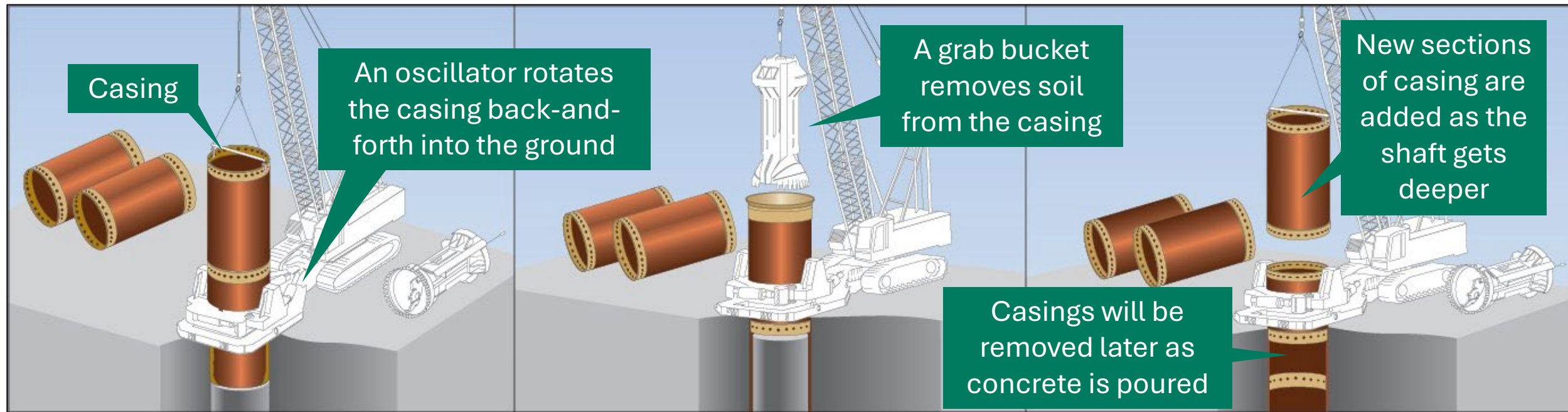
1. Prepare the work zones by re-grading the area where we will install each pier.
2. Oscillate casings into the soil, set rebar in the casing, and pour concrete.
3. Place pillar forms and pour concrete into the forms.
4. Remove the pillar forms and pour concrete 'caps' on top of the pillars.



The foundation section with removed pillar forms, plates and beams (April 2026)

Building lid piers: Casing installation

- Crews are using an oscillator to “rotate” steel casings into the ground.
- Soil is removed from inside the casings with a grab bucket.
- Casings will be removed later as concrete is poured.



An example of an oscillator that our subcontractor may use to install the lid casings. (Photo via Malcolm Drilling)

Building lid piers: Expected impacts

- Through the summer, neighbors can expect:
 - Noise from trucks, excavation equipment and drilling
 - Vibration from casing installation and removal
 - Generators, daytime and nighttime work

Note: Lid construction will be ongoing through 2029



Crews excavating for the lid foundation between the east and westbound lanes of SR 520 (Jan. 2026)

About the Major Public Project Construction Noise Variance (MPPCNV)

The **MPPCNV** is a project-wide permit granted by the Seattle Department of Construction and Inspections (SDCI) to conduct certain types of nighttime work without obtaining individual temporary noise permits. The MPPCNV sets limits for the allowable level of nighttime construction noise and defines the type of work that is allowed at night.

Mitigating impacts during lid construction

- To mitigate impacts from construction, crews will:
 - Use only broadband ‘white noise’ backup alarms
 - Build 8- to 12-foot-tall acoustifences in locations around the project area



Acoustifence installed along East Roanoke Street (May 2026)

Upcoming: Temporary overpass near Roanoke

- Next year, we will shift traffic onto a new temporary overpass near Roanoke Park.
- Crews will then remove the existing 10th Avenue East and Delmar Drive East overpasses.
- Crews will then build the remaining parts of the foundation of the Roanoke lid.

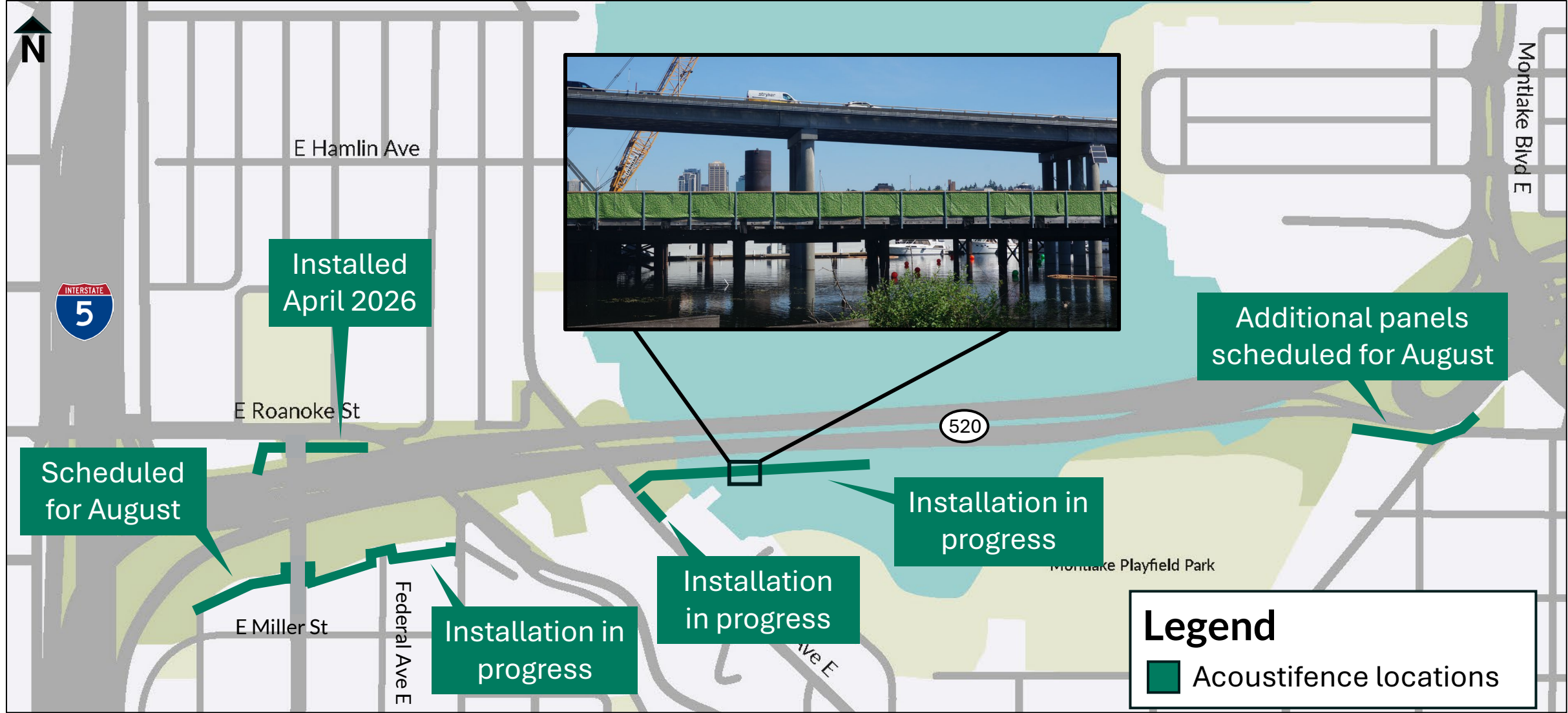


Map of the upcoming temporary overpass over SR 520.

Acoustifence

Installing acoustifences

Schedule subject to change



Map of acoustifence locations in the project area. This fencing can be an effective way to reduce noise and provide visual buffering.

Upcoming: Traffic shift near the Montlake lid

Shift happens, again

- Later this year, we will shift eastbound and westbound traffic on SR 520 to a new temporary bridge near the Montlake lid.
- Crews have installed pilings and retaining walls near the lid to prepare for the new temporary bridge.



A diagram of recent piledriving and wall installation work.

Removing the old Montlake Boulevard off-ramp

- We are preparing to remove the old SR 520 off-ramp to Montlake Boulevard.
- This work will require an extended 7-day closure of the new temporary SR 520 off-ramp to Montlake Boulevard.
- We will communicate the date and time of this closure as soon as we have information to share.



Crews will remove
the old off-ramp

A diagram of the old off-ramp section that will be removed.

Building a new temporary bridge

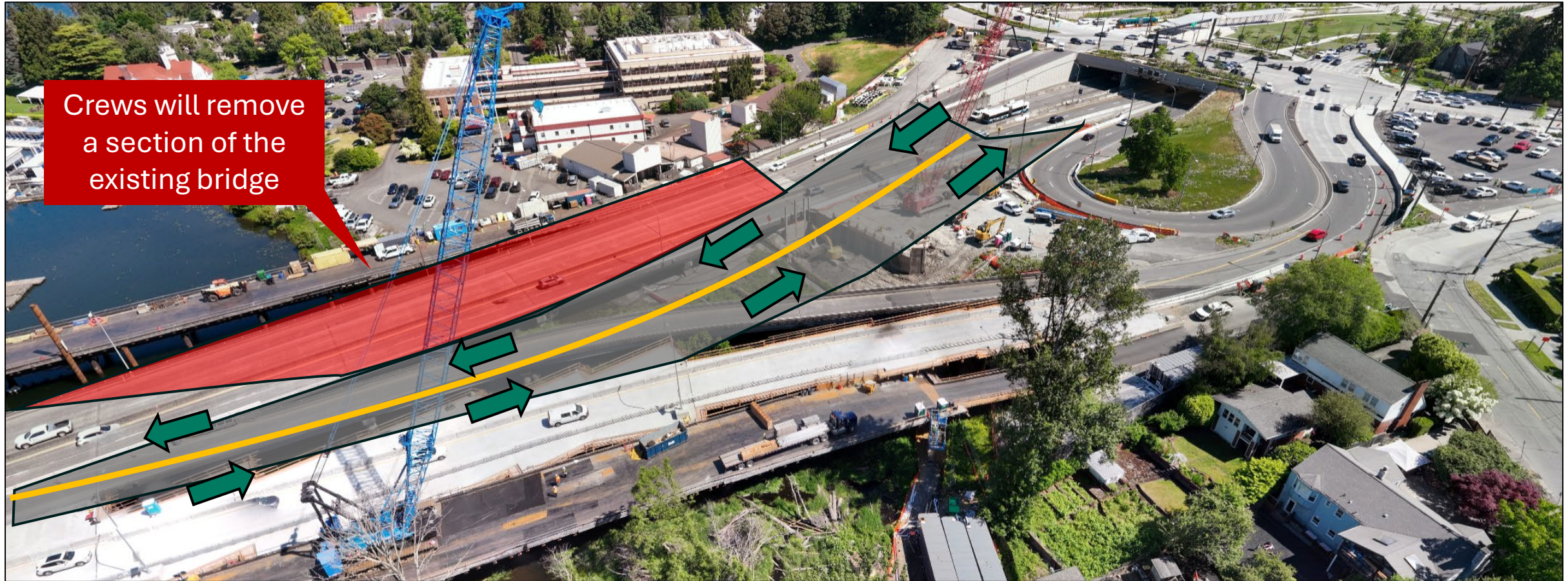
- After the old SR 520 off-ramp to Montlake Boulevard is removed, we will build a new temporary bridge in this area.
- We will then shift eastbound and westbound traffic to the new temporary bridge.



A diagram of the future temporary bridge location.

Removing part of the existing Portage Bay bridge

- Once traffic is shifted, we will remove a section of the existing bridge to make room for installing additional permanent foundations for the westbound bridge.

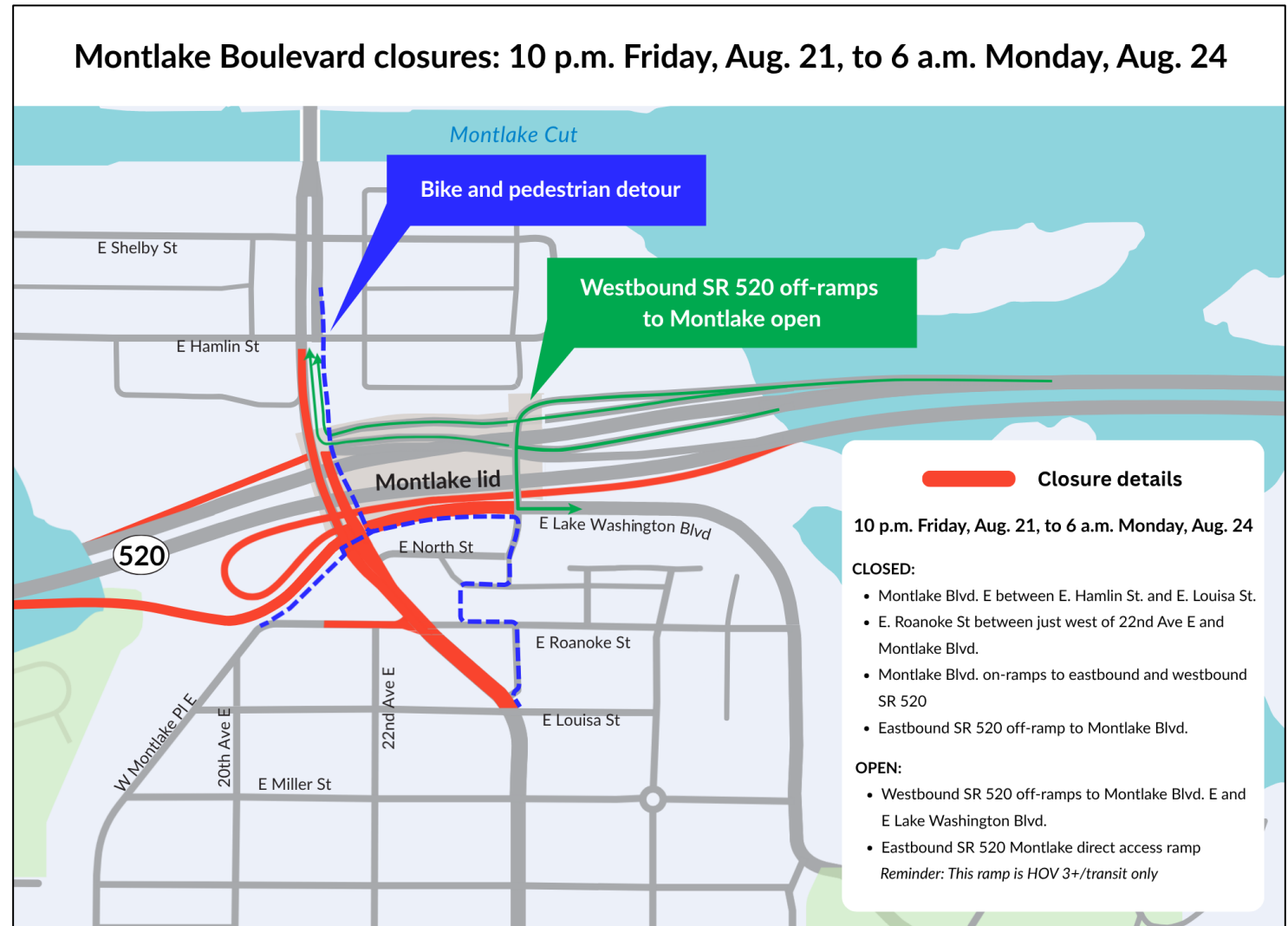


A diagram of the future temporary bridge location and the section of the existing bridge that will be removed.

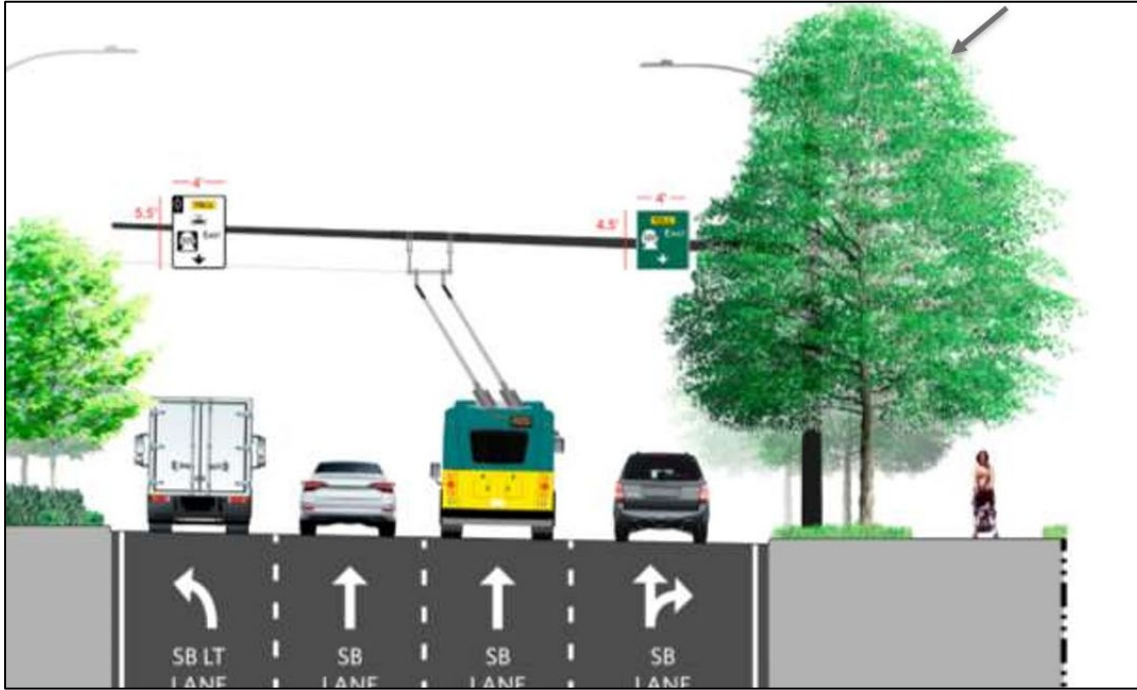
Montlake Boulevard Sign Bridge Replacement

Montlake Project – sign bridge replacement closures

- Next weekend closure:
 - August 21-24
- We are installing new mast-arm structures with signs as a result of community-recommended signage changes.
- We will also use the closure to complete more Montlake punch list/closeout items.



Montlake Project – sign bridge replacement closures



Rendering showing new mast arm over southbound Montlake Blvd.



Aerial view (looking north) of Montlake Boulevard

Montlake Project – sign bridge replacement closures



Upcoming traffic impacts

Upcoming planned closures

Dates subject to change

- **Starting July 20:** Eastbound SR 520 lane closure nightly from 8 p.m. to 5 a.m.
- **Starting July 20:** Boyer Avenue East lane closure nightly from 8 p.m. to 6 a.m.
- **Aug. 8:** Eastbound SR 520 closed from 7 p.m. Saturday to 11 a.m. Sunday
- **Aug. 8:** Montlake Boulevard on-ramp to westbound SR 520 closed 9 p.m. Saturday to 9 a.m. Sunday
- **Aug. 10 - Aug. 13:** Delmar Drive closed from East Roanoke Street to 11th Avenue East nightly from 10 p.m. to 6 a.m.
- **Aug. 21 – Aug. 24:** Montlake Boulevard closed from East Hamlin Street to East Louisa Street from 10 p.m. Friday to 6 a.m. Monday
- **July 13 – Dec. 31:** Northbound I-5 reduced to two lanes over the Ship Canal Bridge (*Revive I-5 Project*)

Visit Construction Corner @ [sr520construction.com](https://www.sr520construction.com) for the most up-to-date closure information.

How to stay informed



PORTAGE BAY CONSTRUCTION HOTLINE

24-hour phone line for Portage Bay Project construction questions.

206-319-4520



CONSTRUCTION CORNER WEBSITE

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

sr520construction.com

Questions?

Email the project team at
sr520bridge@wsdot.wa.gov



EMAIL UPDATES

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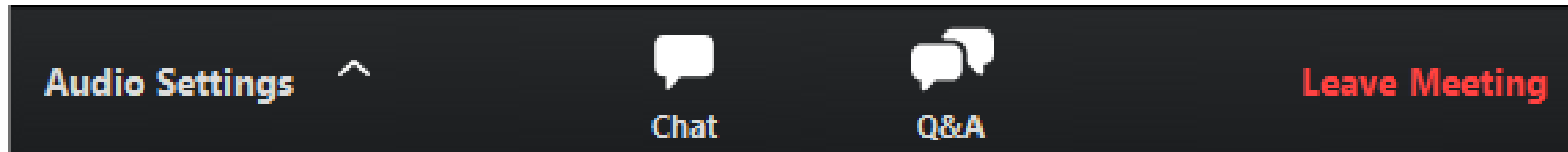


MEETINGS

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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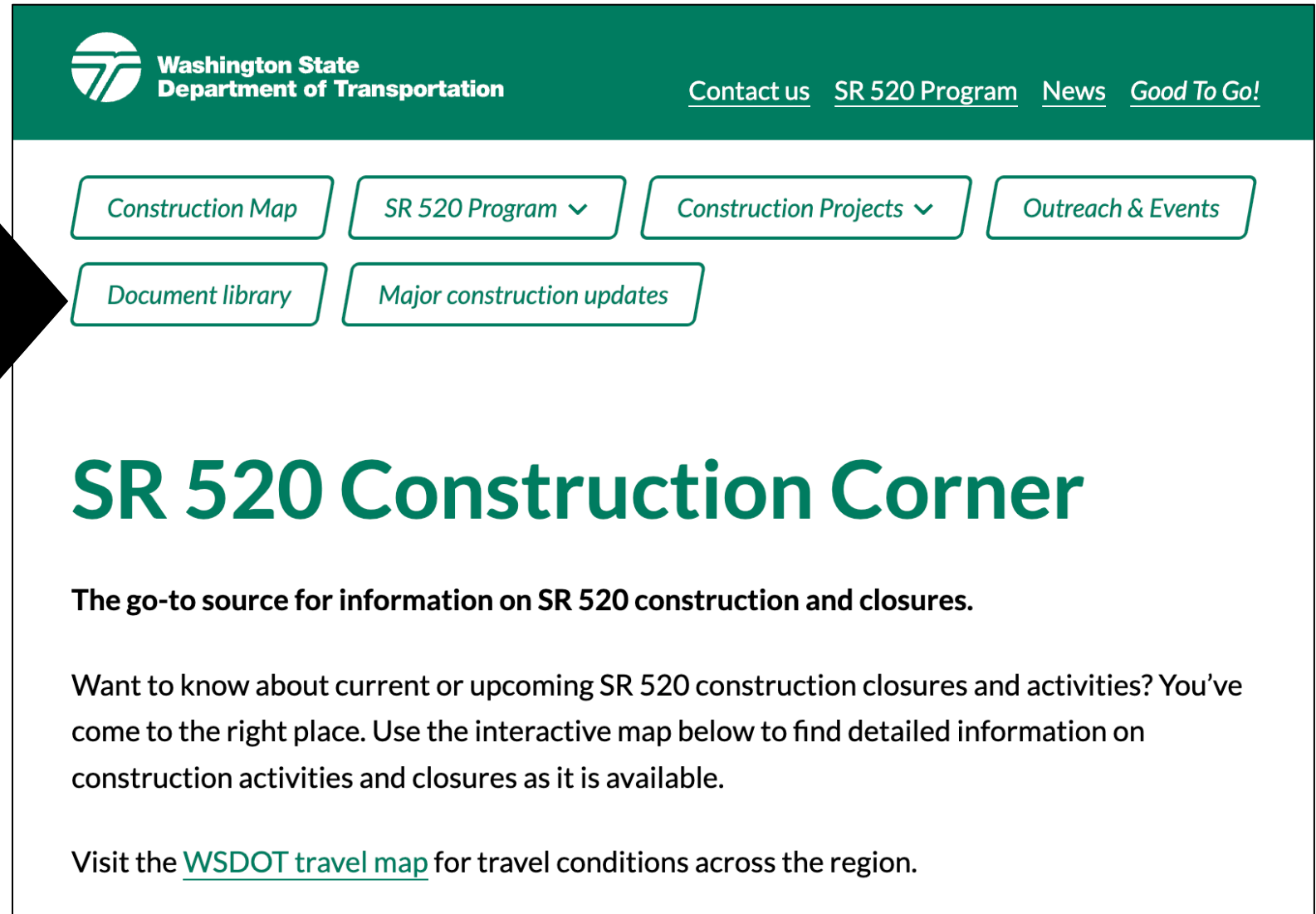
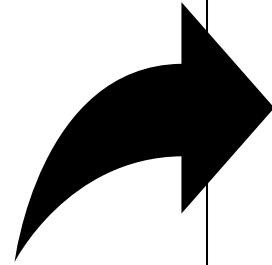


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Meeting recordings

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