

# Montlake Project

## Monthly Construction Update

July 20, 2022

*We will pause for just a moment while  
Zoom adds everyone to the meeting.*

# Major project elements

The Montlake Project will improve transportation for motorized and nonmotorized travel along the SR 520 corridor, including:

- A new eastbound bridge
- Montlake lid
- Bicycle and pedestrian bridge



Illustration of major project elements



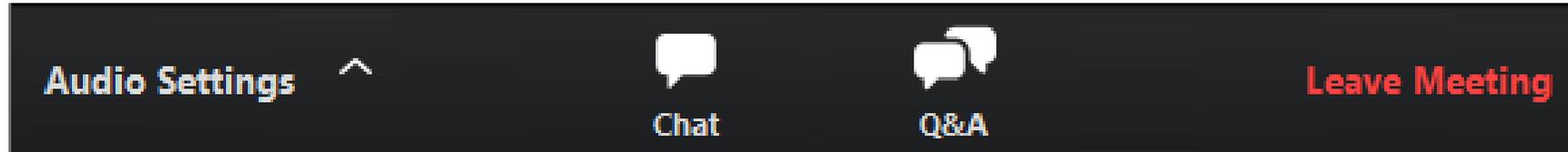
Construction of new eastbound bridge

# How to participate in the 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

- Current and upcoming work
- How to stay informed
- Comments and questions



A gantry crane sits on temporary work platforms and straddles the new bridge.

# Building the Montlake lid



Looking over the Montlake lid

Crews continue extending the lid to the east and west.

The Montlake Boulevard and 24th Avenue East overpasses will shift into their final configuration in 2023.

# Building the Montlake lid: Girder installation

To create the lid over the highway, crews are installing concrete beams, called girders, across the support walls.



*Girder installation zones.*



*The cranes that lift the girders into place can carry 550 tons and extend up to 197 feet high.*

# Building the Montlake lid: Girder installation



*Installing girders over the SR 520 eastbound lanes.*

The weekend of July 8-11 crews installed 30 girders to extend the lid to the east.

The next installation is scheduled for the night of August 16 when 24 girders will be installed for the northeast corner of the lid.

# Montlake lid: west end



*West end of lid, looking northeast.*

We will install girders on the west edge of the lid in early 2023.

# Montlake lid: west end piers



*Pier 1 west*



*Pier 3 west*

# Bicycle and pedestrian tunnel

We're building a tunnel under Montlake Boulevard to connect the SR 520 Trail across Lake Washington to the Bill Dawson Trail.

Construction will begin on the west side in September.



*Construction area for the future bicycle and pedestrian tunnel, looking west.*

# Bicycle and pedestrian bridge

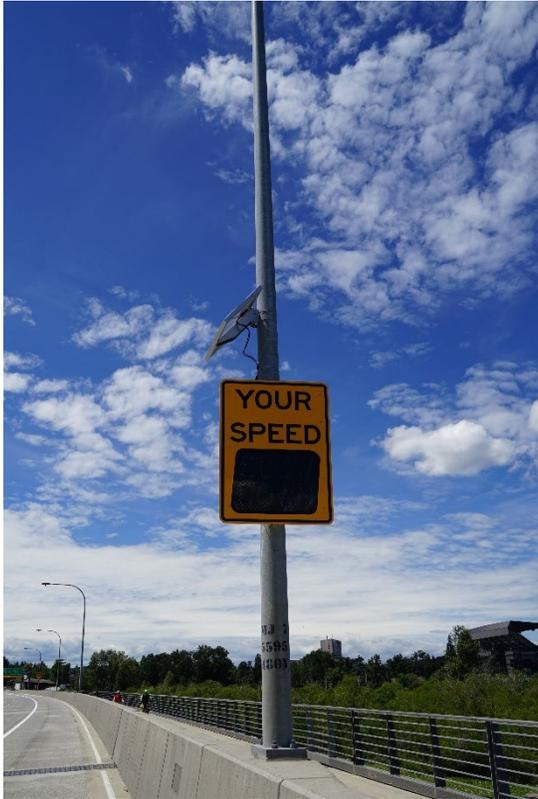


*The bicycle and pedestrian bridge is starting to take shape in East Montlake Park.*



*Crews are constructing part of the bridge on the south side of SR 520 along Lake Washington Boulevard.*

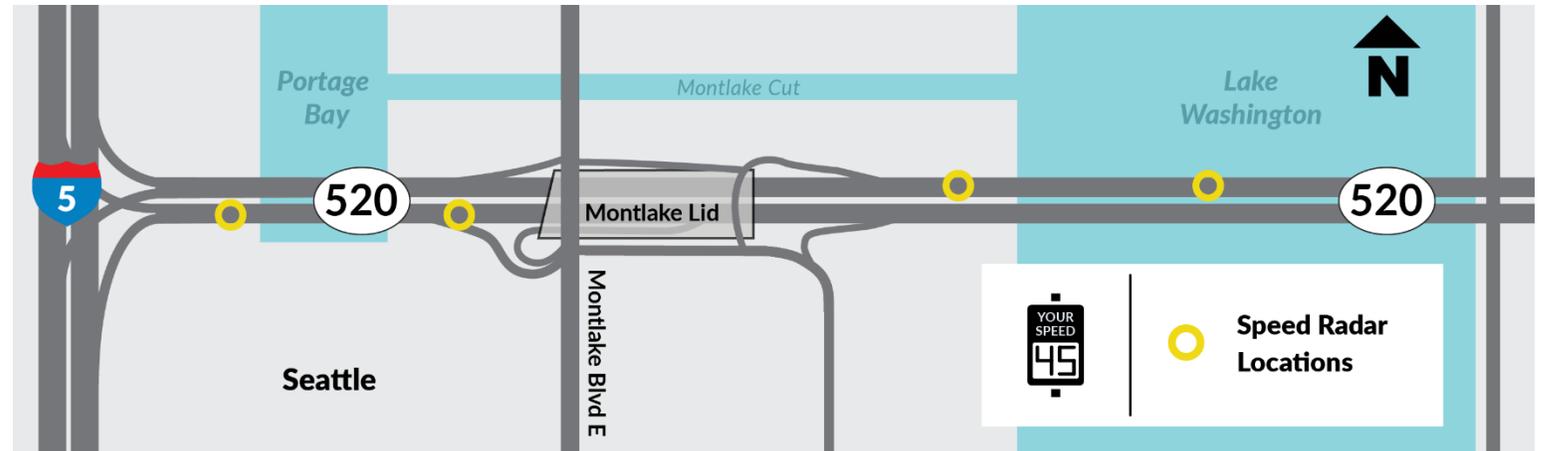
# Speed limit cameras and signage



*Speed limit sign installed along westbound SR 520 near Foster Island.*

We installed four speed radar signs the weekend of July 8-11. You will see them on east and westbound SR 520 between I-5 and the floating bridge.

To ensure the safety of workers and drivers traveling through the work zone, we've reduced the speed limit to 40 mph



# Removing the temporary on-ramp and path



*Temporary ramp, looking east.*

The temporary path under SR 520 was permanently closed on June 6.

The temporary on-ramp from Lake Washington Boulevard to eastbound SR 520 will be removed in early August.

# Lake Washington Boulevard berm design



Exhibit 2.35-65: E Lake Washington Blvd east of 24th detail plan



These renderings are from the urban design manual prepared in February 2018 for use in the SR 520 Montlake program's design build process.

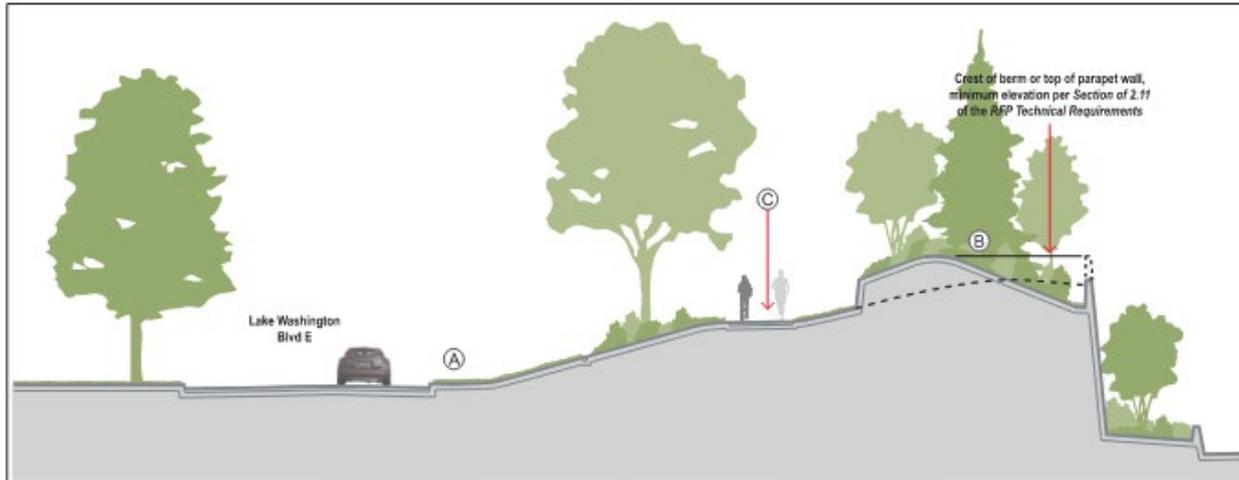


Exhibit 2.35-66: E Lake Washington Blvd east of 24th Ave E section

# Bridge construction



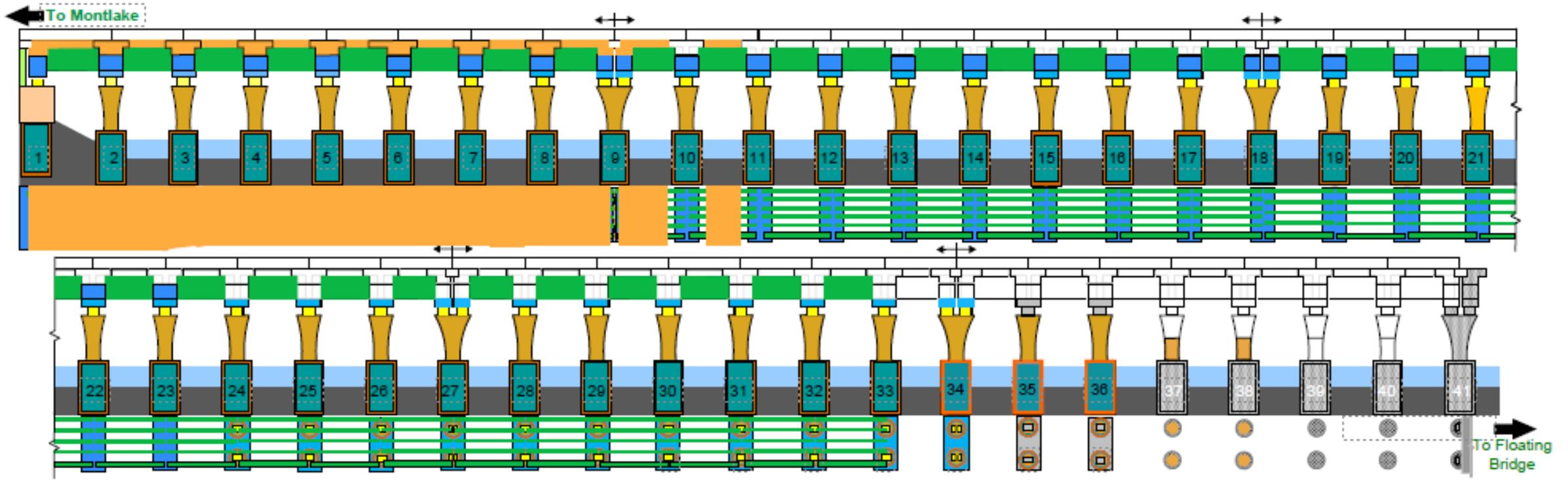
*Crews wire together rebar to reinforce the bridge deck prior to pouring concrete.*



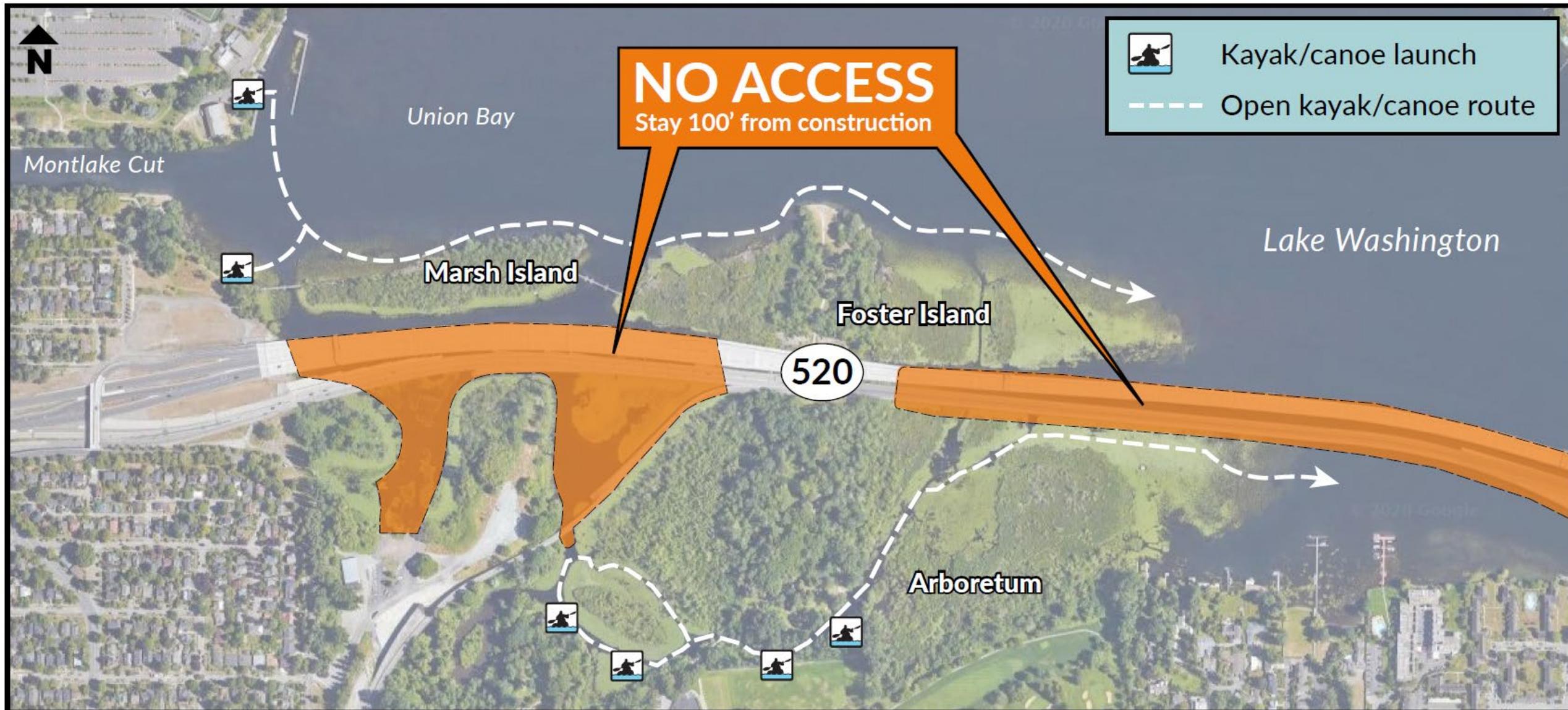
*Preparing for girder installation at the far east end of the project.*

# Bridge construction progress

- Casings
- Shafts
- Girders



# Kayak/canoe access during construction



# What to expect: Noise and vibration

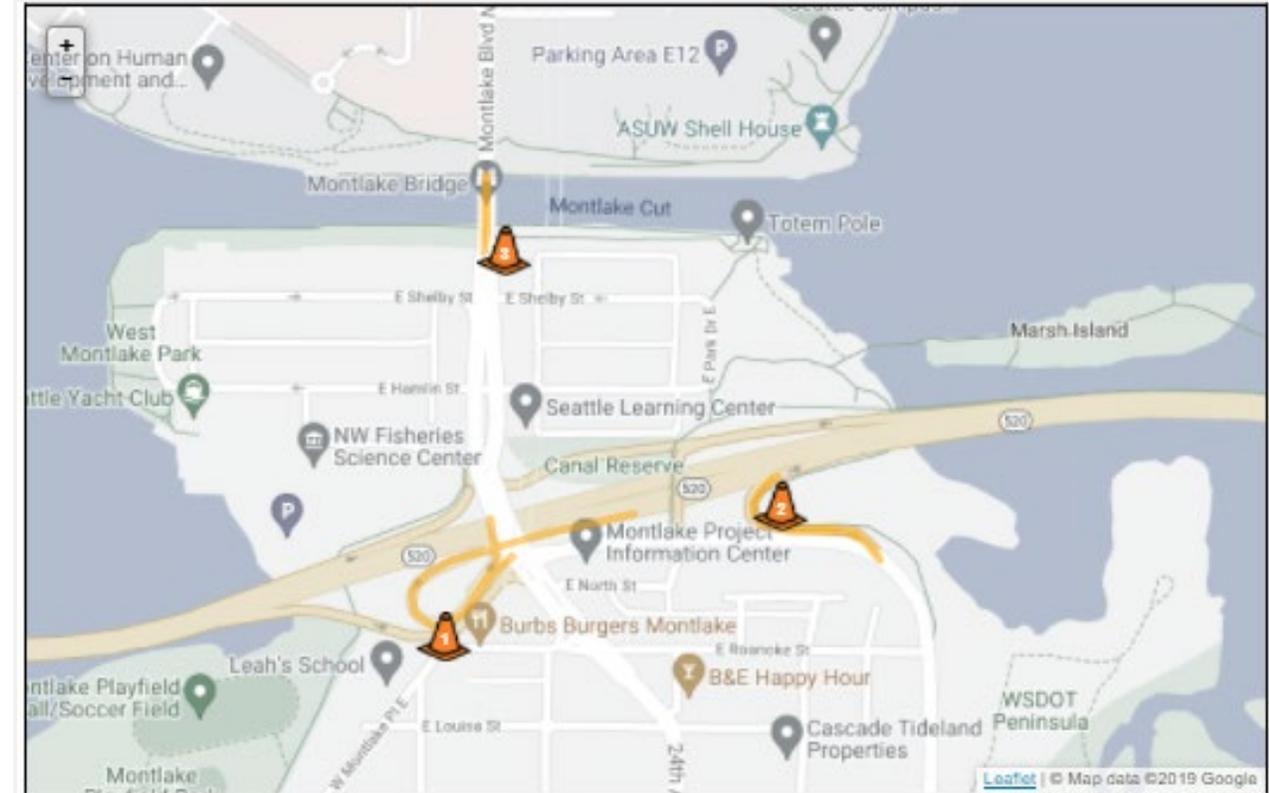
- Different types of equipment result in different levels and kinds of noise and vibration.
- Electronic noise and vibration meters record levels throughout the project area.
- Vibration monitors collect data in the field and immediately alert the project team when readings are outside the set tolerances.
- Nighttime construction has stricter rules for noise levels and equipment use.
- We've received a Major Public Project Construction Noise Variance (MPPCNV) permitting higher than normal decibel levels between the hours of 10 p.m. and 7 a.m.
- Crews may work 24 hours a day, seven days a week throughout construction.
- Typical work hours for the loudest work:
  - 7 a.m. to 10 p.m. weekdays
  - 9 a.m. to 10 p.m. weekends and holidays
  - Impact pile driving has stricter work hours and will occur:
    - 8 a.m. to 5 p.m. weekdays
    - 9 a.m. to 5 p.m. weekends
- Independent noise monitors will be present for night work to ensure compliance with specified noise levels.

Our 24-hour hotline, **206-775-8885**, is the best way to report noise and vibration concerns and to have questions addressed in the moment.

Visit the SR 520 Construction Corner to view the MPPCNV, read up on the allowable nighttime decibel levels, or read our weekly noise report:  
[www.sr520construction.com/ManagingConstructionEffects](http://www.sr520construction.com/ManagingConstructionEffects)

# How to stay informed

- Call our 24-hour hotline: [206-775-8885](tel:206-775-8885)
- Email us with questions: [sr520bridge@wsdot.wa.gov](mailto:sr520bridge@wsdot.wa.gov)
- Visit the Montlake Project website: [https://bit.ly/520montlake\\_program](https://bit.ly/520montlake_program)
- Visit the SR 520 Construction Corner to learn more about upcoming construction: [www.sr520construction.com](http://www.sr520construction.com)
- Follow us on Twitter: [@wsdot\\_520](https://twitter.com/wsdot_520)
- Sign up for our email updates by emailing us at [sr520bridge@wsdot.wa.gov](mailto:sr520bridge@wsdot.wa.gov)
- Watch construction in “real time” on our four construction cameras: <http://bit.ly/520cams>
- Participate in our online meetings and events



Construction Corner map.



Comments and questions?

# End of program