

# SR 520 Program Update Bellevue City Council

**Bellevue City Hall**  
**450 110th Ave NE, Bellevue, WA 98004**

April 1, 2019

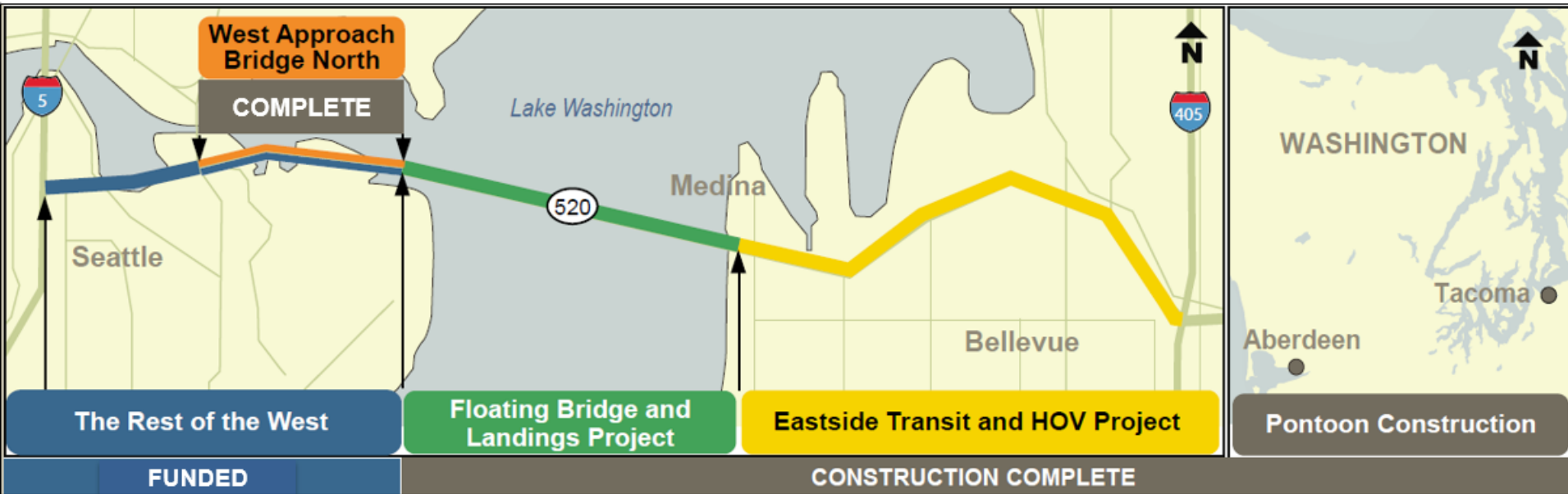
**Omar Jepperson, P.E.**  
SR 520 Deputy Program Administrator

**Dave Becher, P.E.**  
SR 520 Program Director of Construction

# Presentation outline

- SR 520 Program overview
- “Rest of the West” overview
- Montlake Project overview and construction look-ahead
- Changes to transit and SR 520 traffic shifts
- Questions?

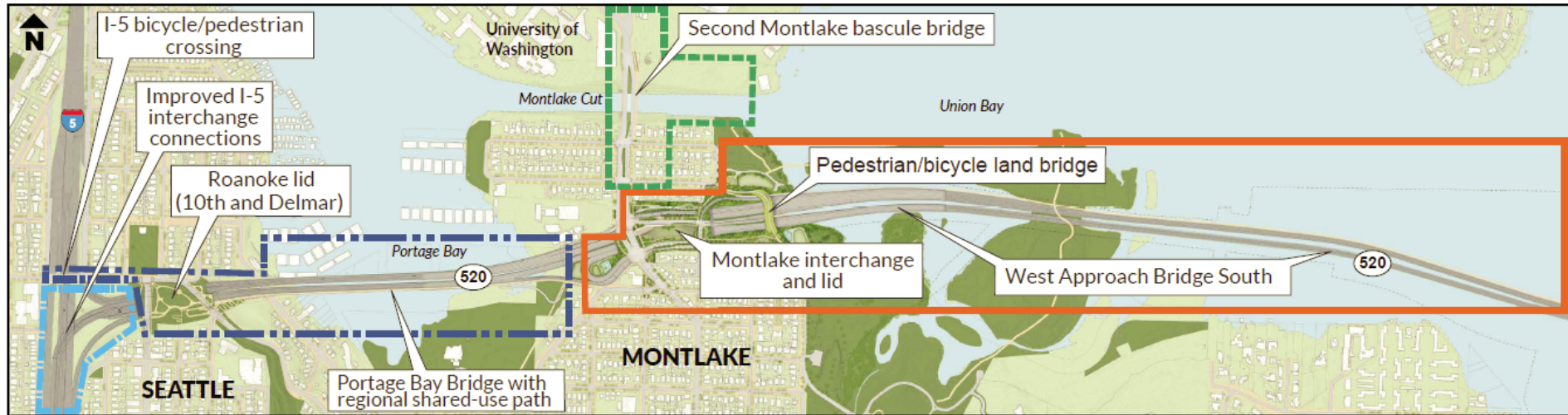
# SR 520 Program overview



## Program schedule

- Eastside Transit and HOV Project: Opened 2014
- Pontoon Construction Project (Aberdeen): Completed 2015
- New floating bridge: Opened April 2016
- West Approach Bridge North: Opened August 2017
- The Rest of the West: Construction begins spring 2019

# "Rest of the West" overview



## SR 520/I-5 Express Lanes Connection Project

Construction estimated start: 2020  
Estimated duration: 3 years

## Portage Bay Bridge and Roanoke Lid Project

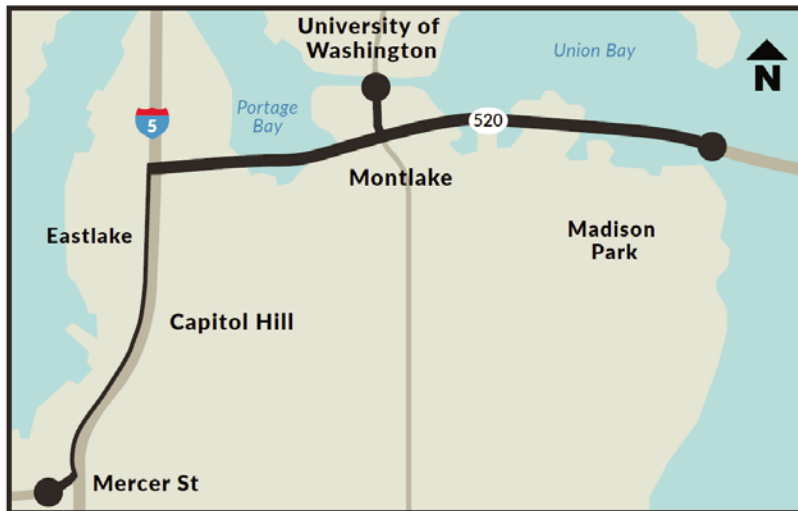
Construction estimated start: 2023  
Estimated duration: 6 years

## Montlake Cut Bascule Bridge Project

WSDOT will begin additional coordination with community stakeholders and agency partners regarding project scope

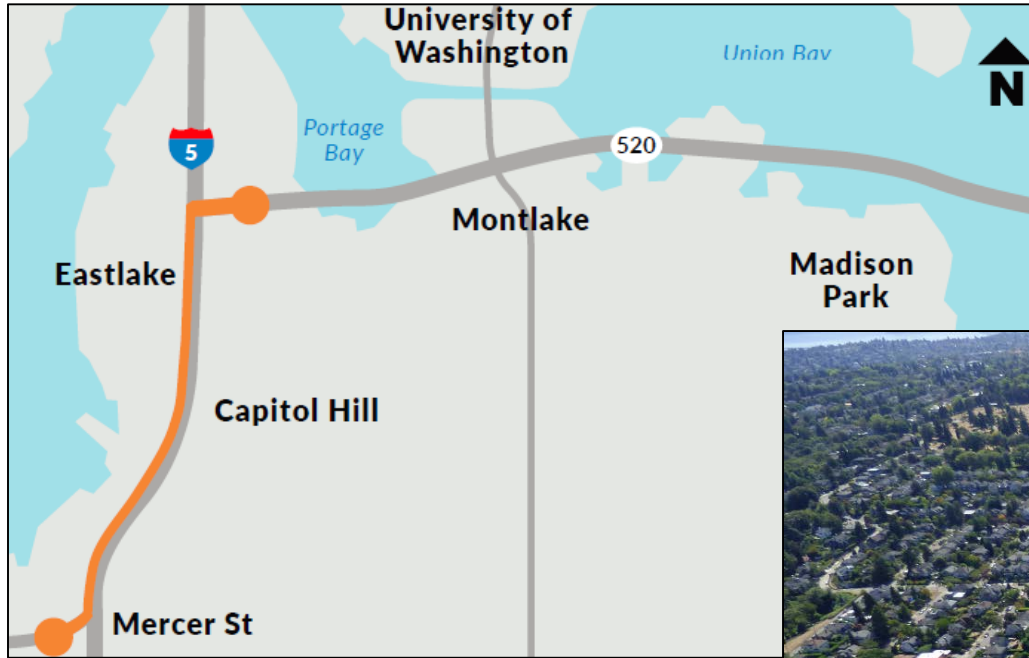
## Montlake Project

Construction starting in early 2019  
Estimated duration: 4-5 years



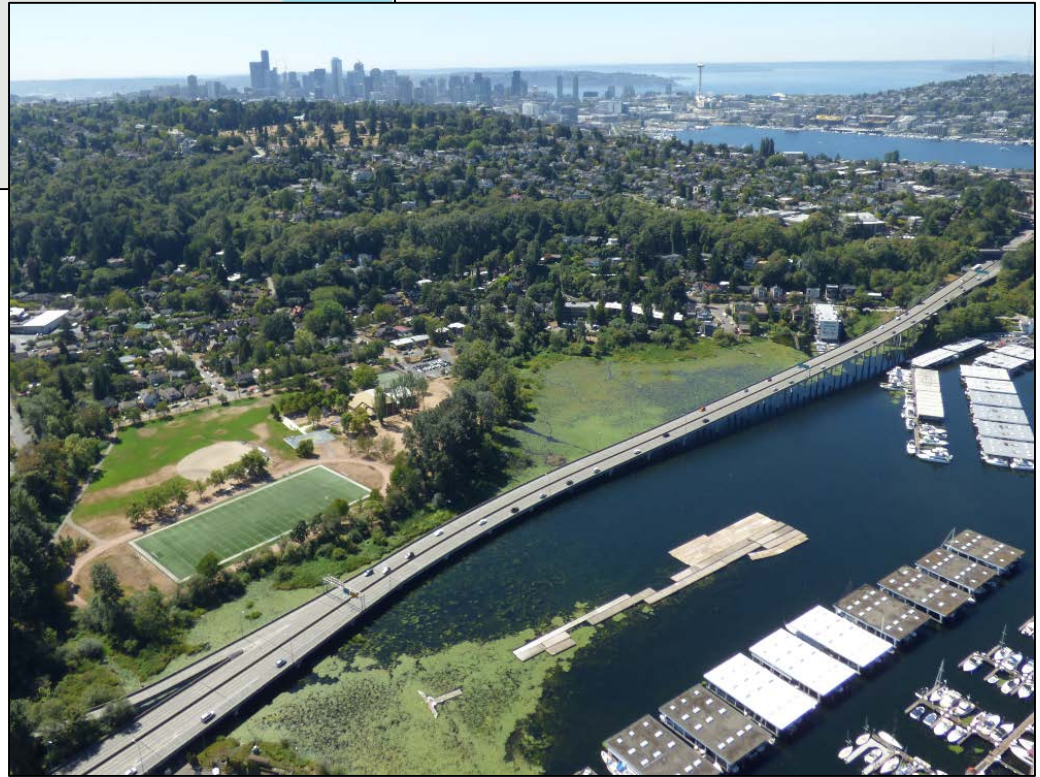
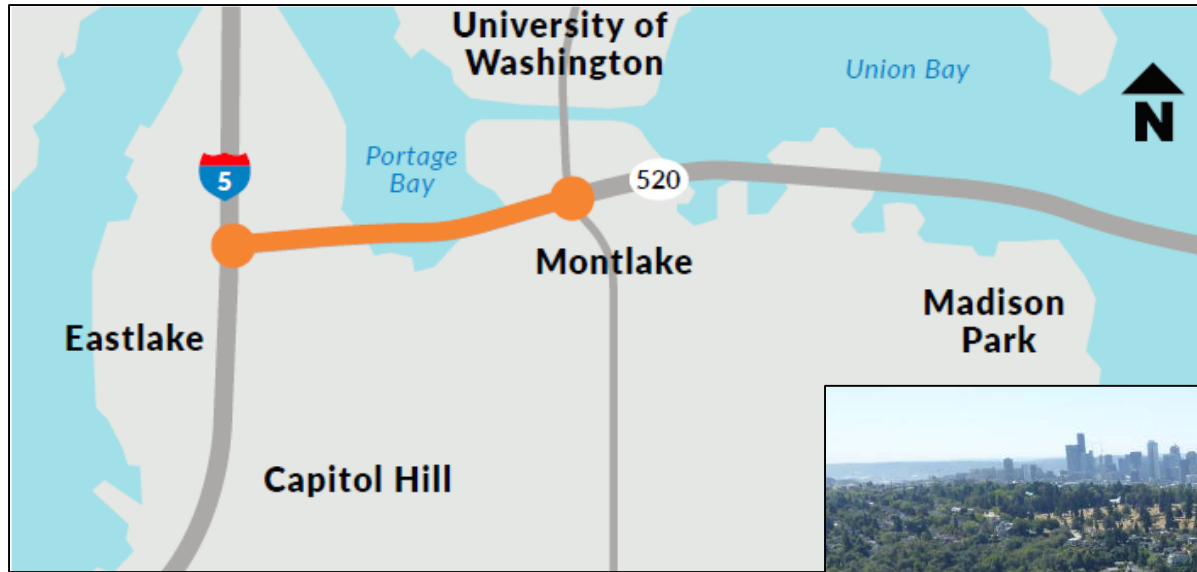
**Note:** Project dates are estimated and subject to change

# SR 520/I-5 Express Lanes Connection Project

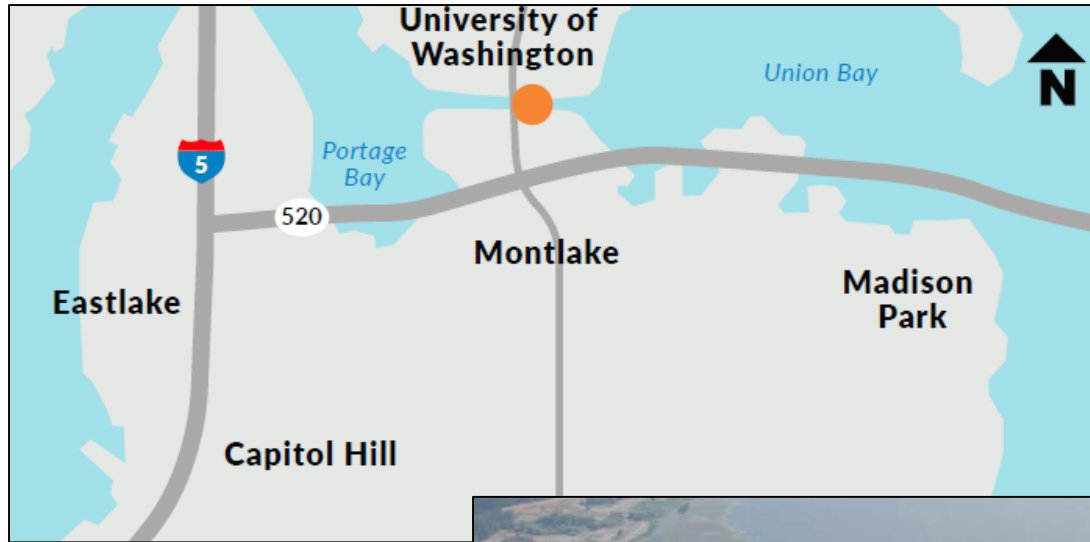




# Portage Bay Bridge and Roanoke Lid Project

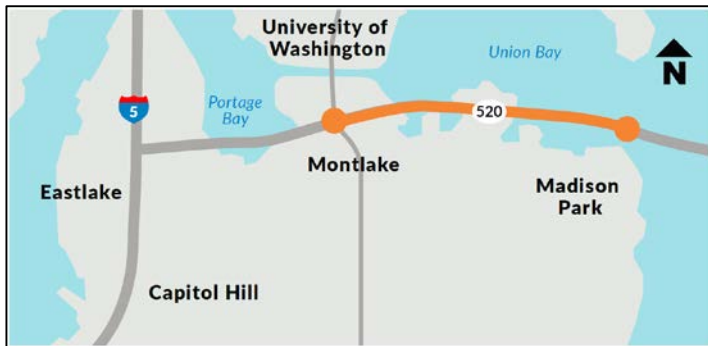
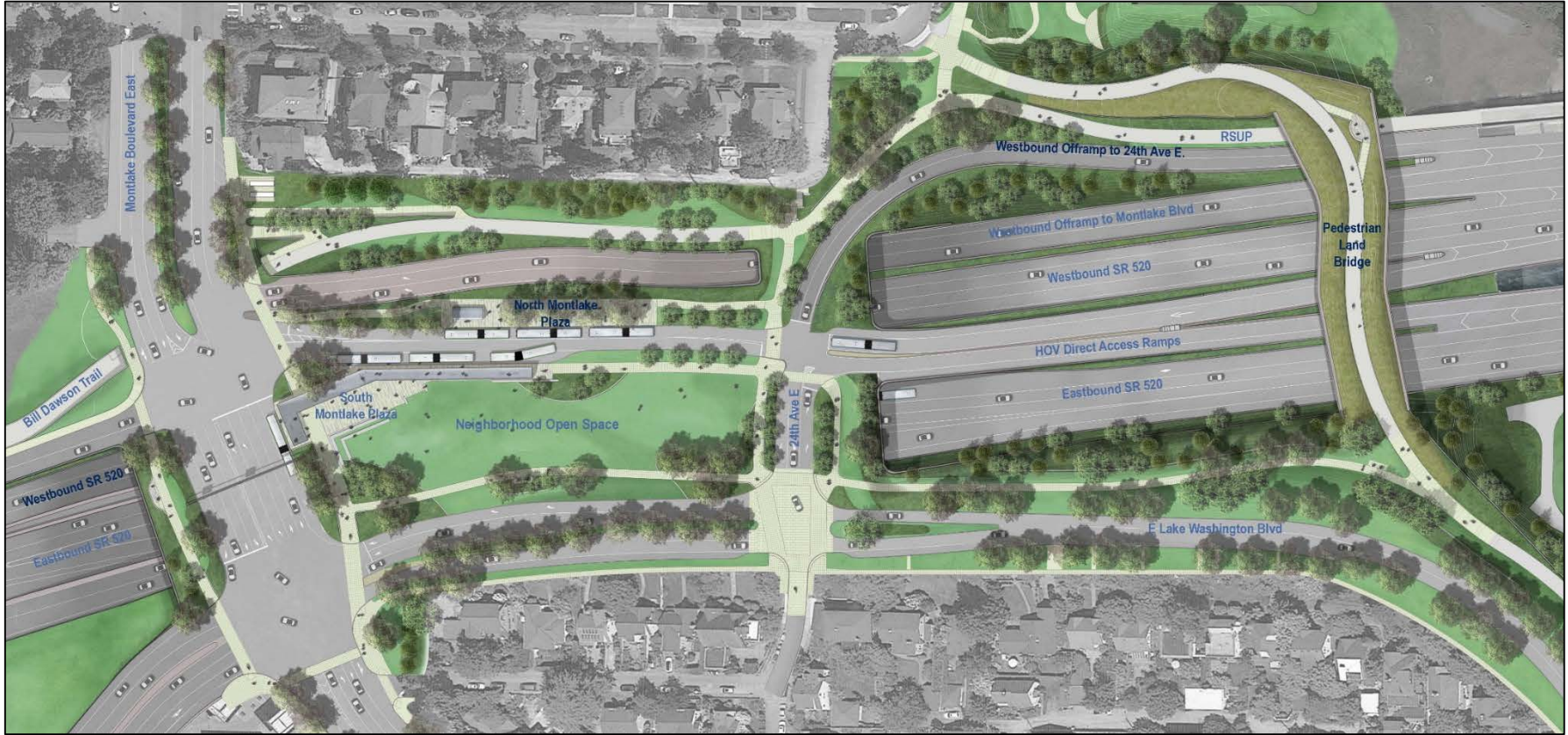


# Montlake Cut Bascule Bridge Project





# Montlake Project overview



*Key elements in the Montlake area, shown at project completion.*



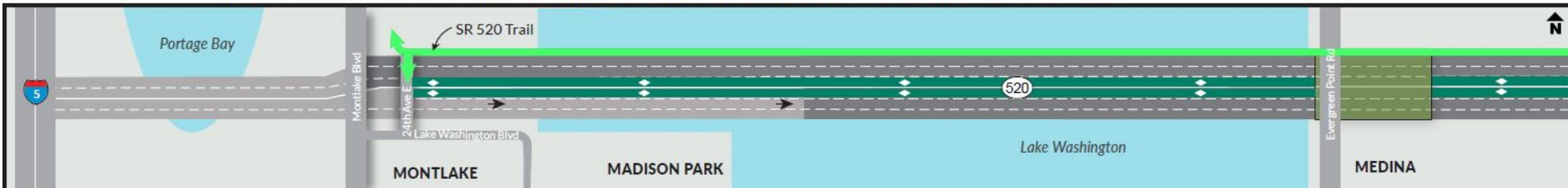
# Montlake Project construction look-ahead

- ✓ **October 2018:** Selected Graham Contracting Ltd. as the design-build contractor for the Montlake Project
- ✓ **January 2019:** Issued Notice to Proceed
- **Spring 2019:** Host pre-construction open house with Graham
- **Spring 2019:** Montlake Project construction begins
- **Ongoing:** Coordination with the City of Seattle, the Legislature, and other partner agencies, and outreach to project stakeholders and the community

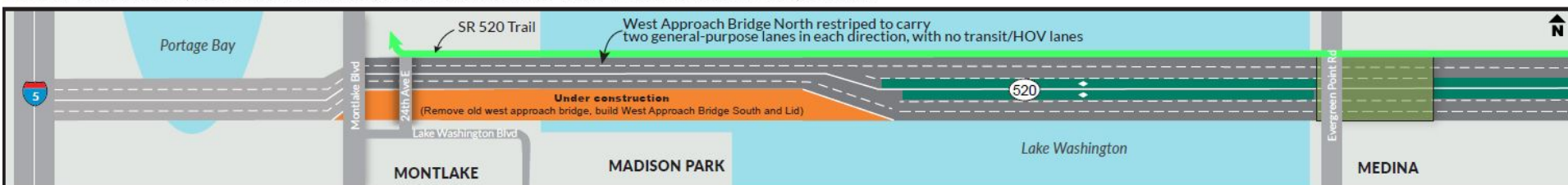


# Fall 2019: All SR 520 traffic to use the West Approach Bridge North

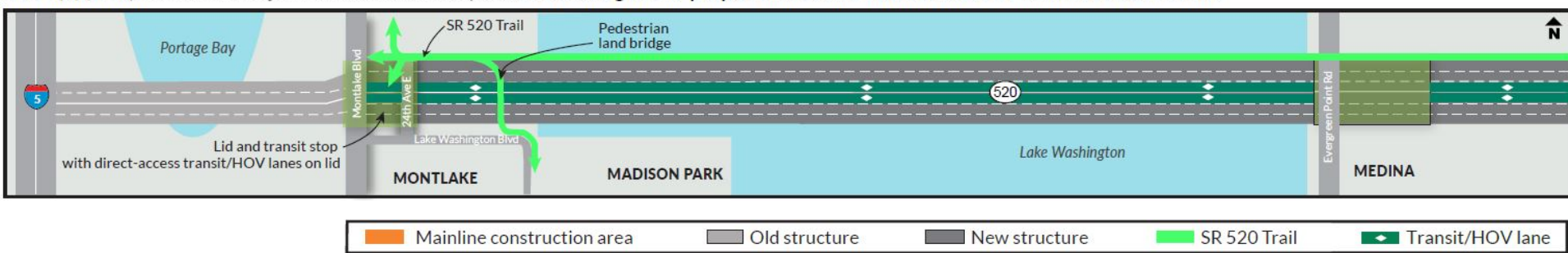
**Current configuration:** Westbound traffic travels on West Approach Bridge North, eastbound on old west approach bridge



**2019:** Montlake Project construction begins, all traffic shifts onto West Approach Bridge North



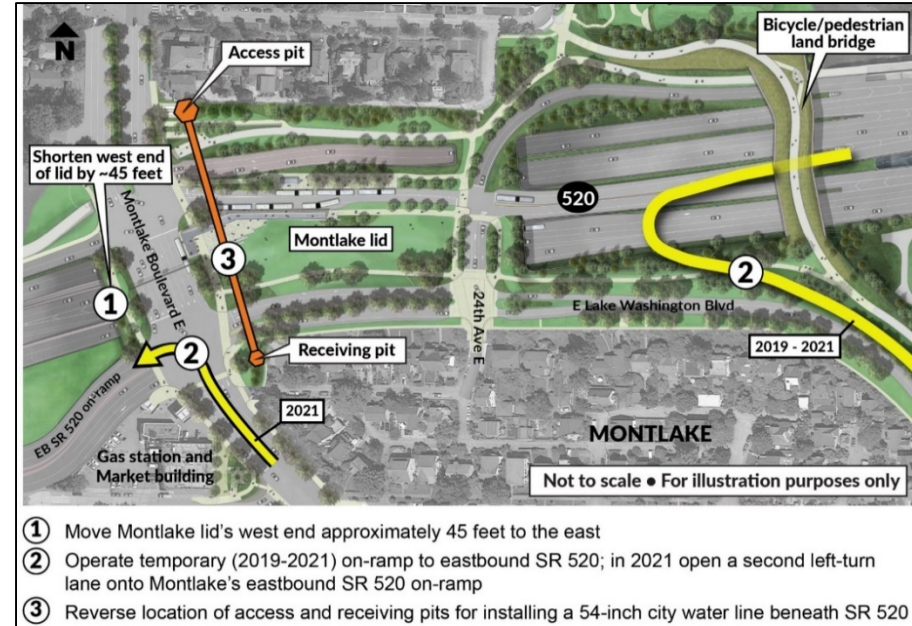
**2023 (approx):** Montlake Project construction complete, with two general-purpose lanes and one transit/HOV lane in each direction



# Highlights from Graham's proposal

## Mobility improvements

- Reduce the number of allowed SR 520 nighttime and weekend closures.
- Maintain the SR 520 flyer stops until June 2019.
- Maintain existing bicycle and pedestrian paths as much as possible and/or provide appropriate detours.
- Provide a temporary eastbound on-ramp from E Lake Washington Blvd to accommodate traffic after the eastbound on-ramp in the Arboretum is removed.



## Aesthetic design

- Design West Approach Bridge South (WABS) bridge to match WABN structure.
- Maximize usable space on bicycle/pedestrian facilities, develop surface treatments for varied users.



# Highlights from Graham's proposal

## Reduced community and environmental effects

- Overall construction schedule reduced by up to one year.
- Use elements of the existing west approach as a work bridge to build WABS, providing the following benefits:
  - Reduce the number of temporary piles by two-thirds from approximately 1,000 to 300.
  - Eliminate approximately 100,000 square feet of over-water shading.
- No on-site processing of removed concrete/bridge elements.
- Demolition of the existing west approach during daytime hours only.



*Aerial view of WABN project area*

## Community engagement

- Provide additional public engagement activities beyond what was required in the RFP.

# Public information: Tools to stay informed

We recognize the importance of keeping the community informed and engaged during construction. We use a variety of communications tools to ensure people stay informed and know what to expect.

**SR 520 Ombudsman / Community Liaison David Goldberg:**  
Our contact for community members to elevate their concerns.



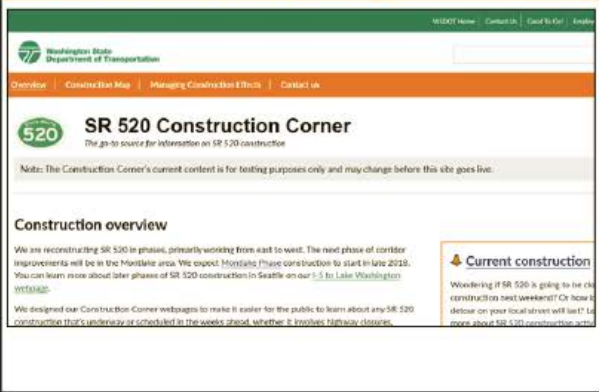
**Hotline:** 24-hour phone line for urgent construction issues.



**Meet the contractor:** 1) Attend the preconstruction open house.  
2) Attend monthly construction update meetings.



**Website and "Construction Corner" web tool**  
Find details about current and upcoming construction activities



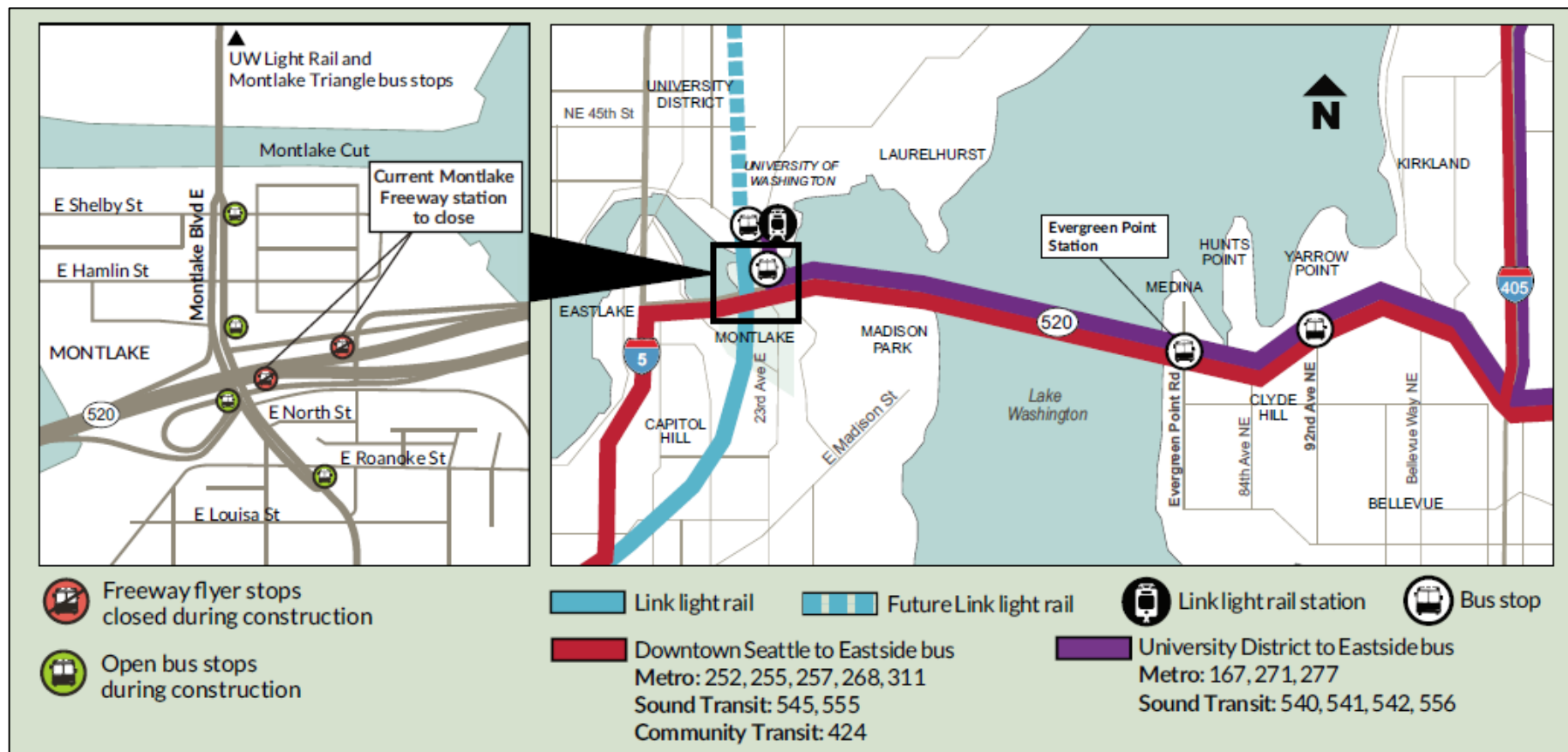
**Email updates and social media:** Receive regular online updates about upcoming construction activities.



**Storefront:** A drop-in location near the project area where people can talk with staff about their construction questions.



# June 2019: Montlake flyer stops close



- WSDOT is providing Sound Transit with funding for additional evening and weekend service on the route 542 from June 2019 through March 2020.
- WSDOT is expediting construction of a reversible transit/HOV connection between SR 520 and the I-5 express lanes with modifications to the Mercer Street ramp





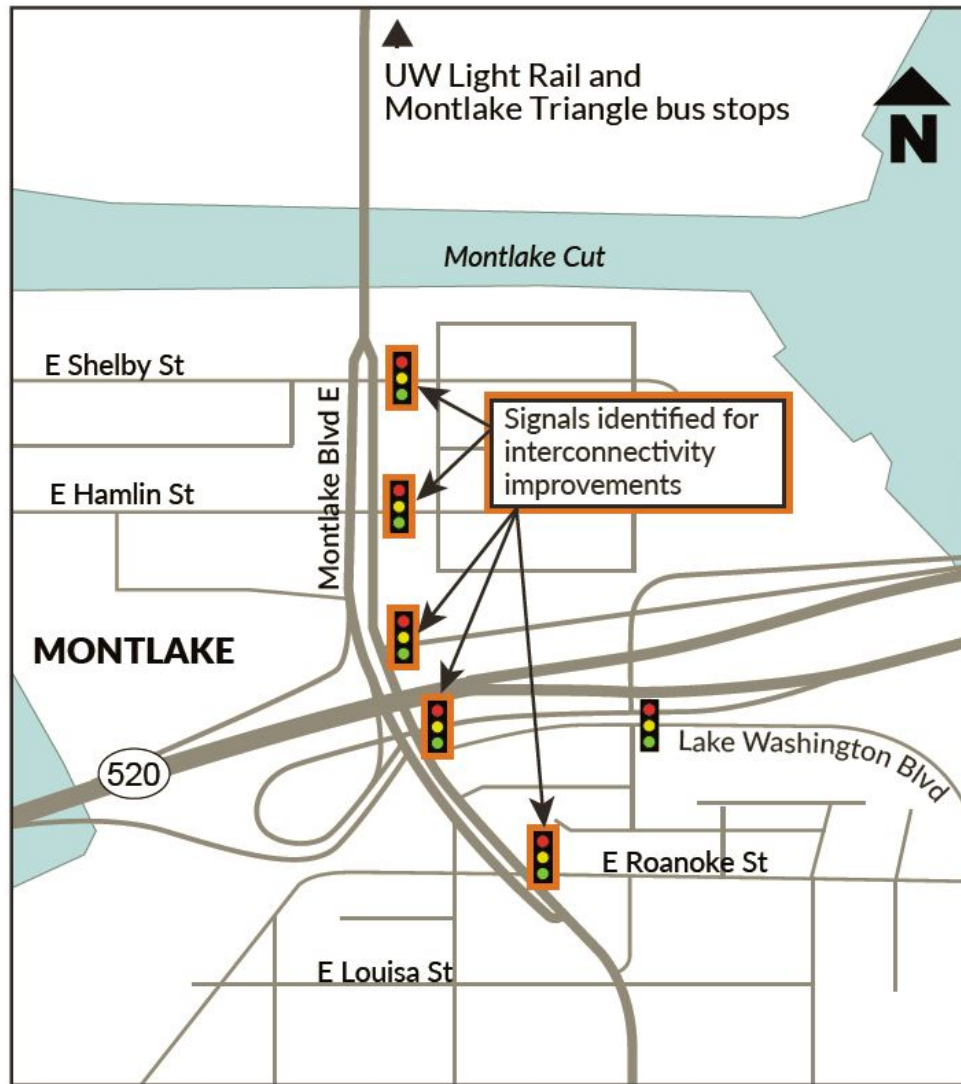
# June 2019: Montlake flyer stops close



*Aerial view, looking north, of SR 520 and the Montlake interchange. Highway-level “flyer stops” are located along SR 520 in each direction, and will be closed during construction of the upcoming Montlake Project. Photo taken: February 2018.*

# Planned approach:

## Improve Montlake corridor signal interconnectivity



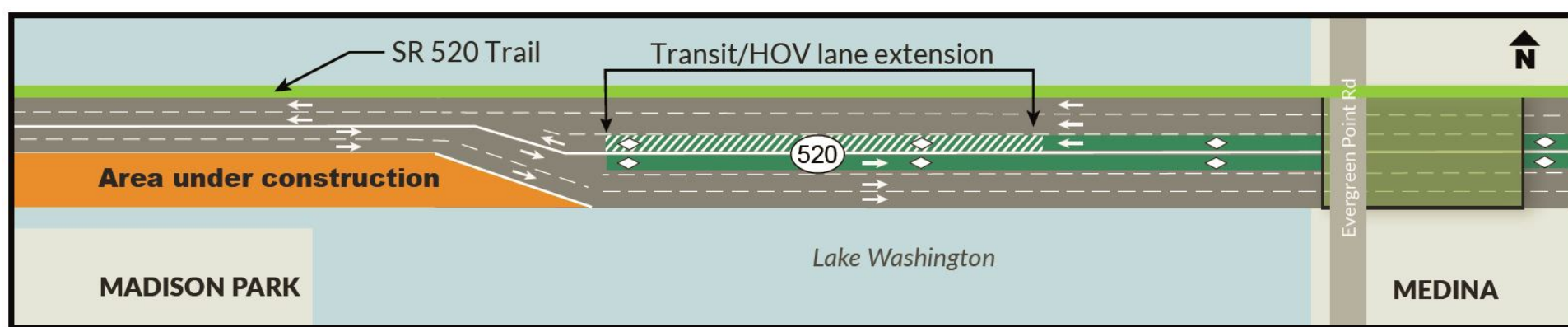
*Map of signalized intersections in the Montlake interchange area*

WSDOT and SDOT are partnering to replace decades-old signal technology on Montlake Boulevard, which will provide:

- Improved signal operations during and after construction, supporting efficient traffic movements, including transit.
- The ability to make real-time signal adjustments and monitor from SDOT's traffic operations center.
- A long-term investment in the improved traffic signal network for the Montlake Boulevard corridor.

# Planned approach:

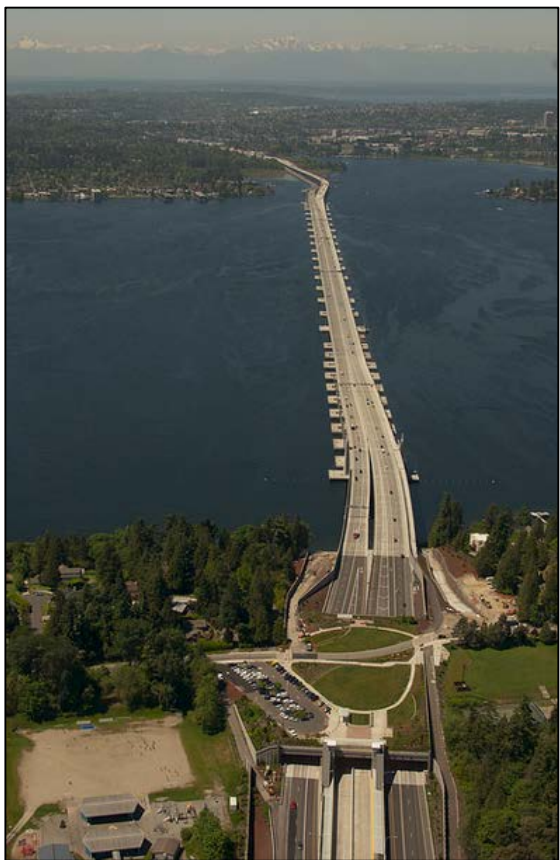
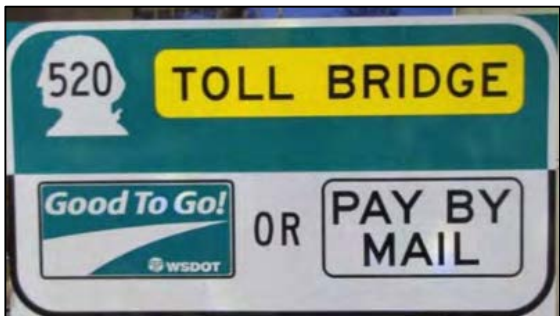
## Evaluate extension of SR 520 floating bridge transit/HOV lane



- In fall 2019, all SR 520 traffic will shift on to the West Approach Bridge North.
- To support transit travel during this lane configuration, WSDOT will extend the transit/HOV lane on the SR 520 floating bridge by about a half mile.
- This will provide a travel time saving for transit riders during peak hours.



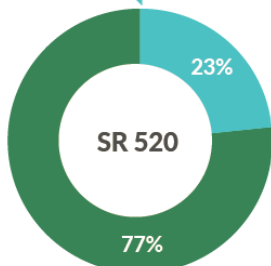
# SR 520 tolling overview



## SR 520 REVENUE VS OPERATIONS AND MAINTENANCE FY 2018

**\$21.5 M**

Toll and facility  
operations and  
maintenance



**\$70.2 M**

Revenue available  
for debt payment and  
capital expenditures

Total Revenue  
**\$91.7 M**



Average weekday trips

**81,000**

Increase of 2,000 trips  
each weekday compared  
to FY 2017



Average weekday  
transit boardings

**23,000**



Good To Go! rate  
(peak period)

**\$4.30**



Average weekday  
vanpool trips

**435**

Source: WSDOT Toll Division Annual Report, FY 2018

# Additional public outreach opportunities





# Questions?

**To learn more:**

**Website:** [www.wsdot.wa.gov/projects/sr520bridge](http://www.wsdot.wa.gov/projects/sr520bridge)

**Email:** [sr520bridge@wsdot.wa.gov](mailto:sr520bridge@wsdot.wa.gov)

**Phone:** 206-770-3554 (M-F, 8-5)

**Twitter:** @wsdot\_520

