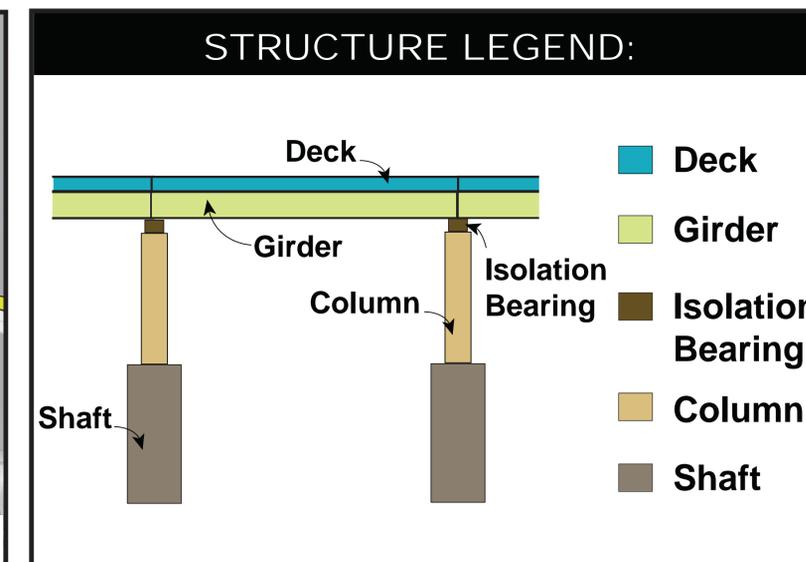
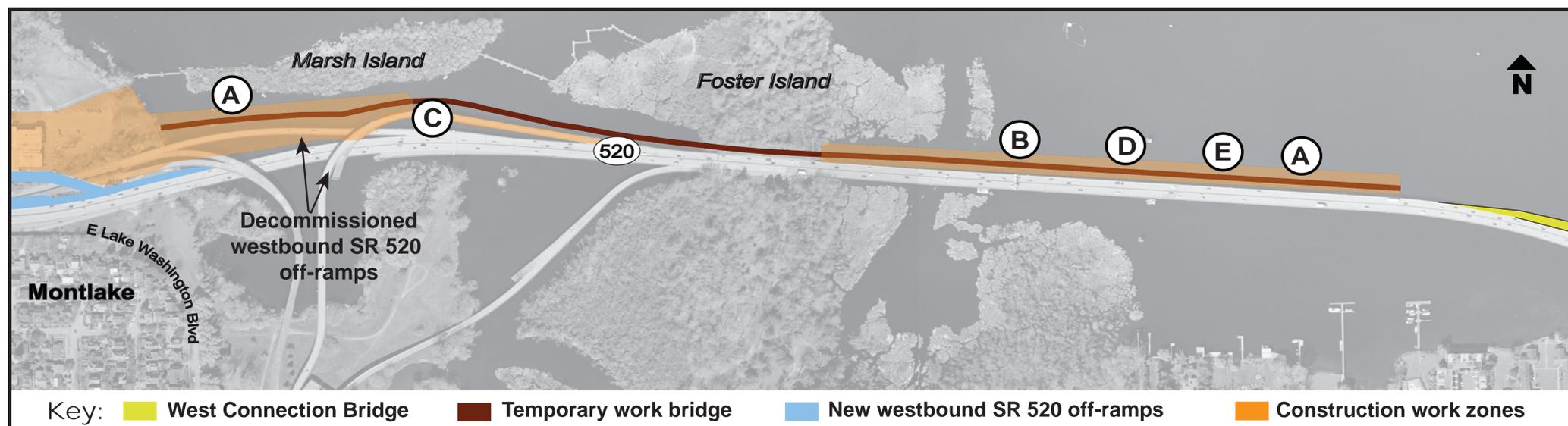




## Upcoming WABN construction activities

March 2016



- A. Pile installation\*: Now that portions of the former westbound SR 520 off-ramp to Montlake Boulevard have been removed, crews will construct platform extensions from the work bridge to install casings and pour columns for the new WABN structure west of Foster Island. At other key locations east of Foster Island, crews will install piles to provide additional support for placement of girders.
- B. Pile removal\*: With the permanent bridge columns now poured east of Foster Island, crews will begin to remove the work-platform extensions in that area to make room for placing permanent bridge girders in March.
 

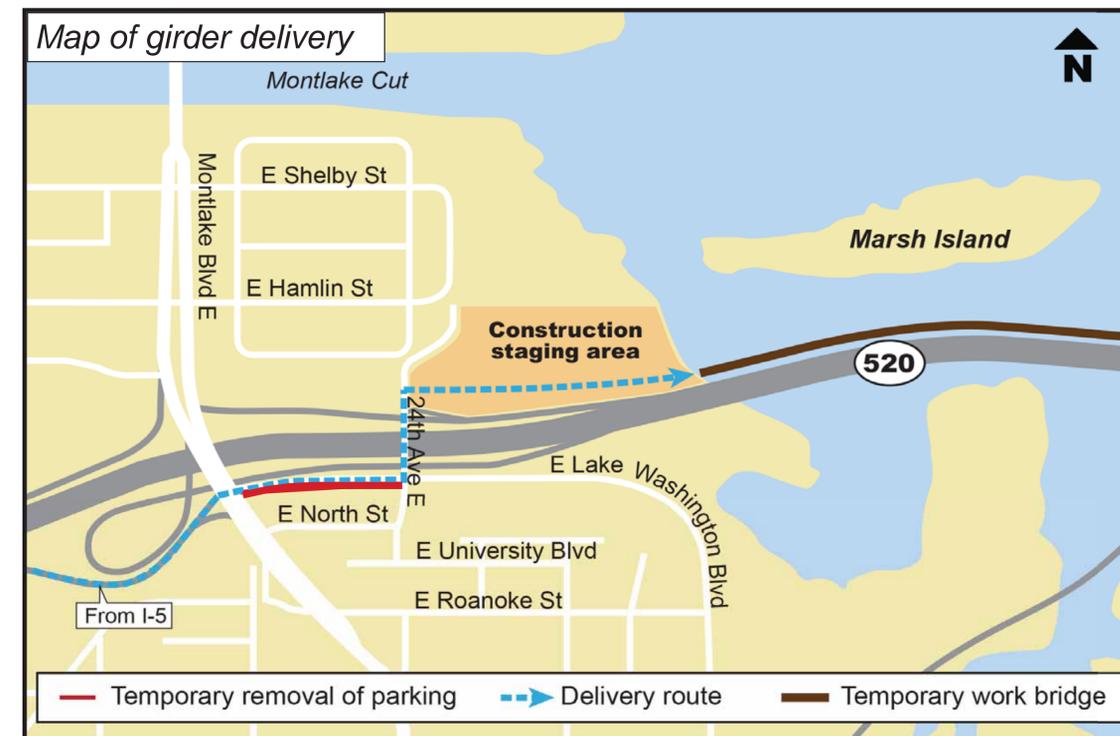
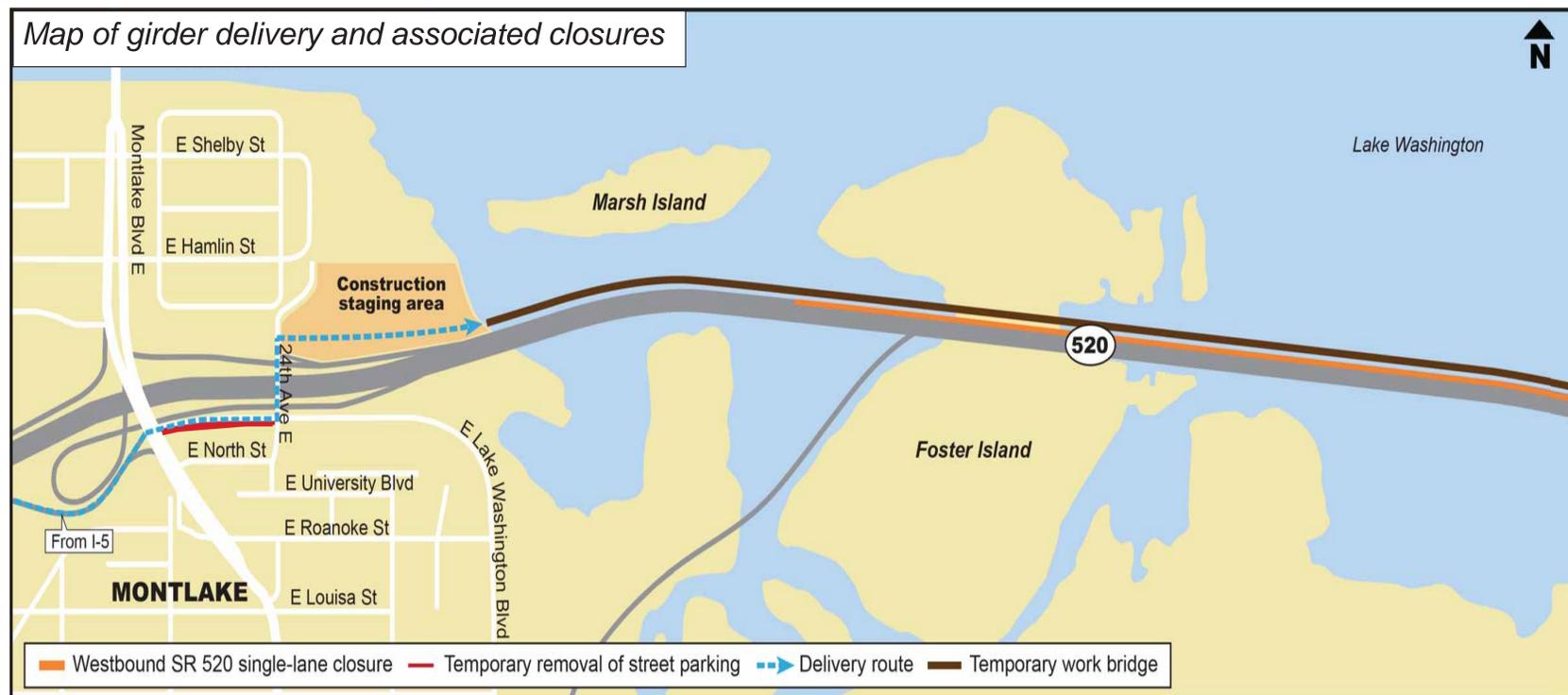
**\*Note:** Crews will use both vibratory and impact hammers to remove and install piles. Impact hammer work is restricted to 8 a.m. to 5 p.m. weekdays and 9 a.m. to 5 p.m. on weekends. This work will continue on Lake Washington through spring 2016.
- C. Ramp removal: Crews are continuing to remove the former westbound SR 520 off-ramp to Lake Washington Boulevard with non-impact construction equipment. At night, crews will continue hauling out debris from the site to prepare for further demolition activities the following day.
- D. Installing supports: Crews are continuing to install temporary falsework supports to hold bridge girders in place while crews construct the bridge deck for the permanent bridge. In order to install the supports at night, crews must use lights to illuminate the work zone.
- E. Isolation bearings: Beginning the week of Feb. 29, crews will begin to install isolation bearings on top of the columns. Isolation bearings are a key safety component of the WABN structure that allow the bridge's deck and support columns to move independently during an earthquake, reducing the chance of structural damage or collapse.

See our website for construction best practices: [www.wsdot.wa.gov/Projects/SR520Bridge/WABN/CurrentWork.htm](http://www.wsdot.wa.gov/Projects/SR520Bridge/WABN/CurrentWork.htm)

# Bridge girder delivery and installation

## *Scheduled to begin in mid-March*

March 2016



### What to expect

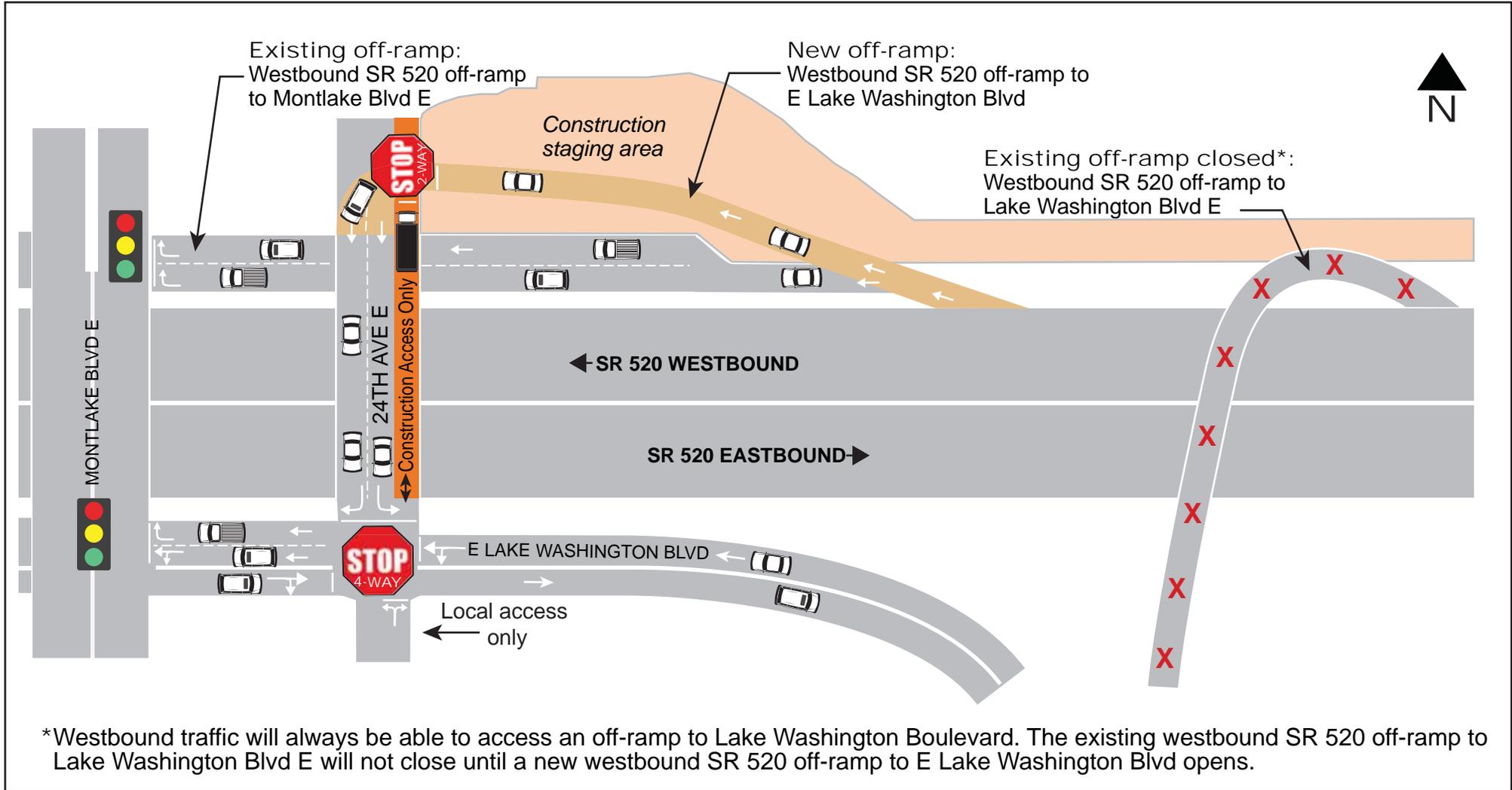
- Trucks delivering girders: Up to four trucks each night will deliver girders intermittently between **9 p.m. and 5 a.m. Sunday through Thursday nights** and **11 p.m. and 7 a.m. Friday and Saturday nights** using the route specified in the map above.
- Intermittent flagging: Flaggers will briefly hold traffic traveling in both directions on East Lake Washington Boulevard, the westbound SR 520 off-ramp to East Lake Washington Boulevard and the eastbound SR 520 on-ramp from Montlake Boulevard as crews deliver girders.
- Temporary parking restrictions: Parking will be restricted nightly during girder deliveries on East Lake Washington Boulevard between Montlake Boulevard and 24th Avenue East to help facilitate the turning movement of the trucks at 24th Avenue East.
- Westbound SR 520 right-lane closures: The right lane of westbound SR 520 will close nightly as needed between **9 p.m. and 6 a.m.** This closure allows cranes to place girders on top of columns adjacent to SR 520.
- Nighttime noise: Nearby neighbors may hear noise from trucks and heavy machinery as crews deliver 150 foot girders to the construction staging area. Neighbors may also hear banging noises from hammers as crews attach brackets to the girders in the construction staging area. A temporary noise variance will be in place to complete this work. WSDOT inspectors will be onsite to monitor activities and ensure they are in compliance with the city of Seattle noise code.



**Note:** Due to the dynamic nature of construction activities, schedules are subject to change.

# Traffic shift:

***New westbound SR 520 off-ramp to E Lake Washington Blvd opened on Jan. 6***



Note: Illustration is not to scale and is for illustrative purposes only.

## Key improvements to Montlake Boulevard East and 24th Avenue East

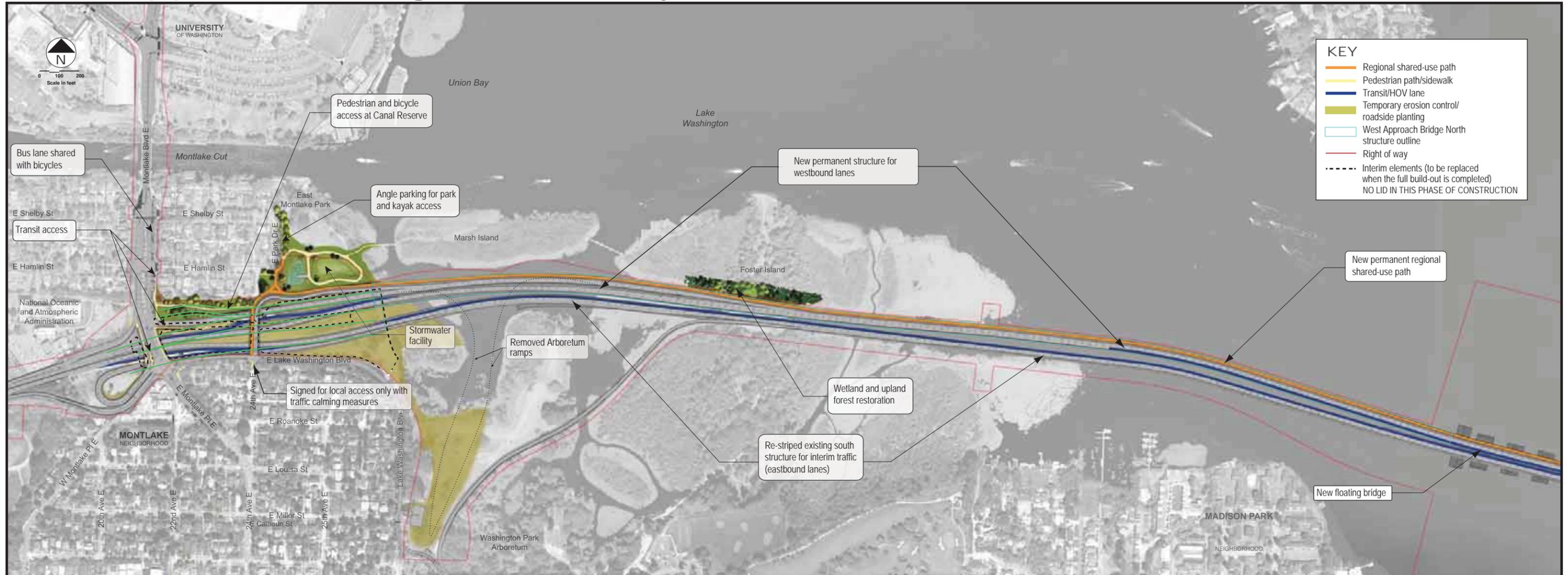


**Note:** Curb ramps and pedestrian refuge islands updated to meet ADA standards.



Vicinity map

# West Approach Bridge North Project overview



The Washington State Department of Transportation (WSDOT) continues to build the SR 520 corridor westward by constructing the West Approach Bridge North Project (WABN), which replaces one of the vulnerable corridor elements. WSDOT received a federal Transportation Infrastructure Finance and Innovation Act (TIFIA) loan to fund WABN construction.

To refine the federally approved baseline design, WSDOT convened the Seattle Community Design Process to hear from the public, agency partners, and design professionals, including the Seattle Design Commission (SDC).

WSDOT also collaborated with the city of Seattle through technical working groups focused on WABN design refinements. Our work resulted in a design that achieves the following:

### Future Compatability

- Advances the next phase of full corridor build-out.
- Accommodates potential future light rail.
- Incorporates community input.
- WABN construction at Montlake does not preclude future design decisions for future construction phases.

### Bridge and Corridor Safety

- Works to replace existing vulnerable structures on the west side.
- Incorporates corridor and local traffic mobility improvements.
- Extends a 6-lane corridor from Redmond to Montlake vicinity.
- Improves safety for pedestrians and bicyclists by completing the regional shared-use path from Redmond to Seattle.

### Construction Period

Construction started in fall 2014, with the new bridge scheduled to open to traffic in summer 2017.

### Community and Environmental Benefits

- Advances aquatic, wetland and parks mitigation.
- Constructs the permanent regional shared-use path between Redmond and Seattle.
- Improves bicycle and pedestrian connectivity.
- Maintains existing bus service and access.
- Improves transit connectivity and reliability by extending the HOV/transit lane to Seattle.
- Reduces concrete volumes by nearly 50 percent as a result of baseline design refinements.