

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 Compatibility

- 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 unfunded elements

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 starts 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

Construction Information

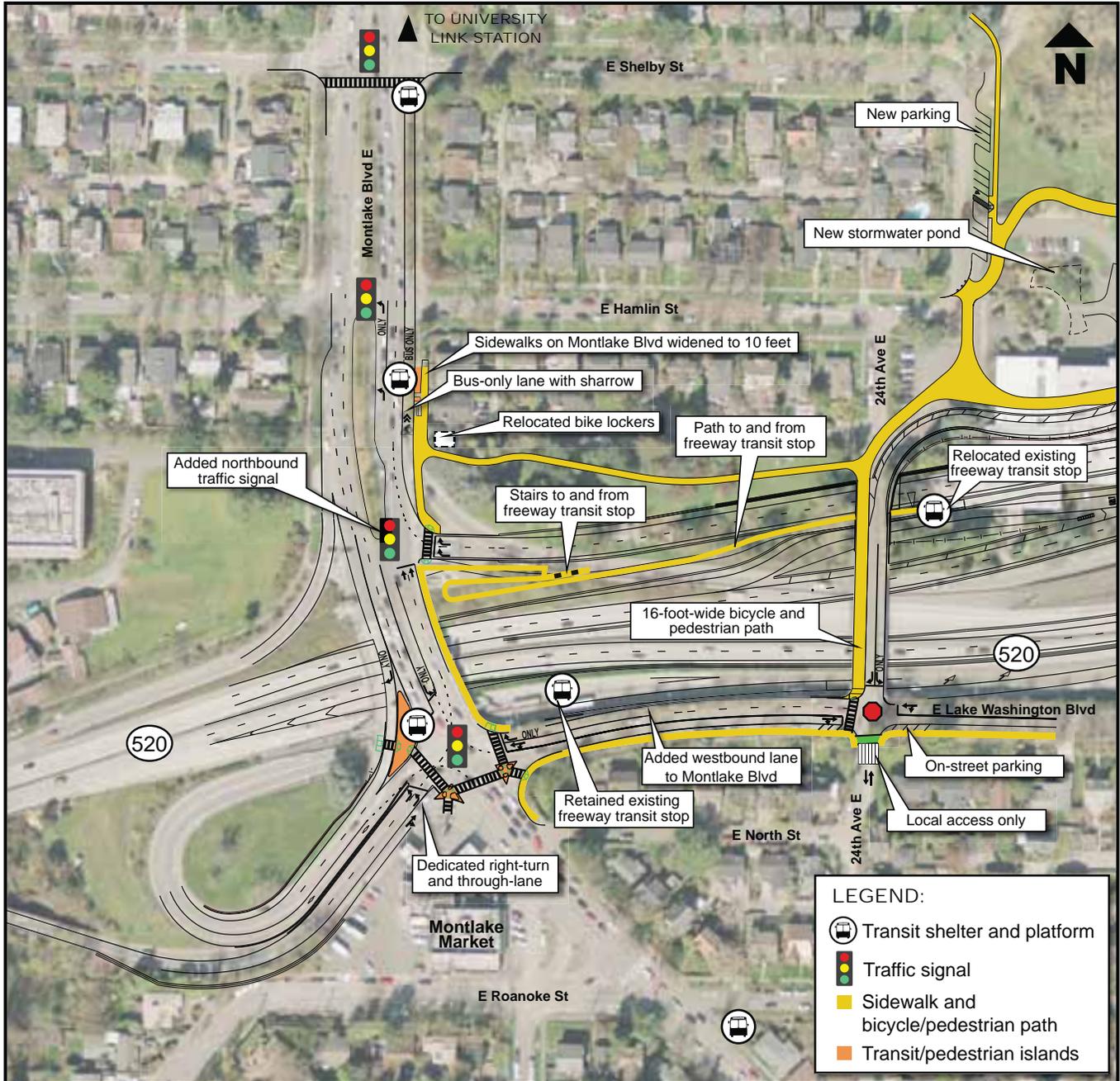
Pedestrian detour routes during sidewalk construction

Phase two: scheduled for March 23 – April 6



Future sidewalk closures are planned in the Montlake interchange area. Additional notifications will be posted. All work is dependent on plans and schedules as determined by the contractor. Due to the dynamic nature of construction activities, schedules are subject to change.

Key improvements to Montlake Boulevard East and 24th Avenue East

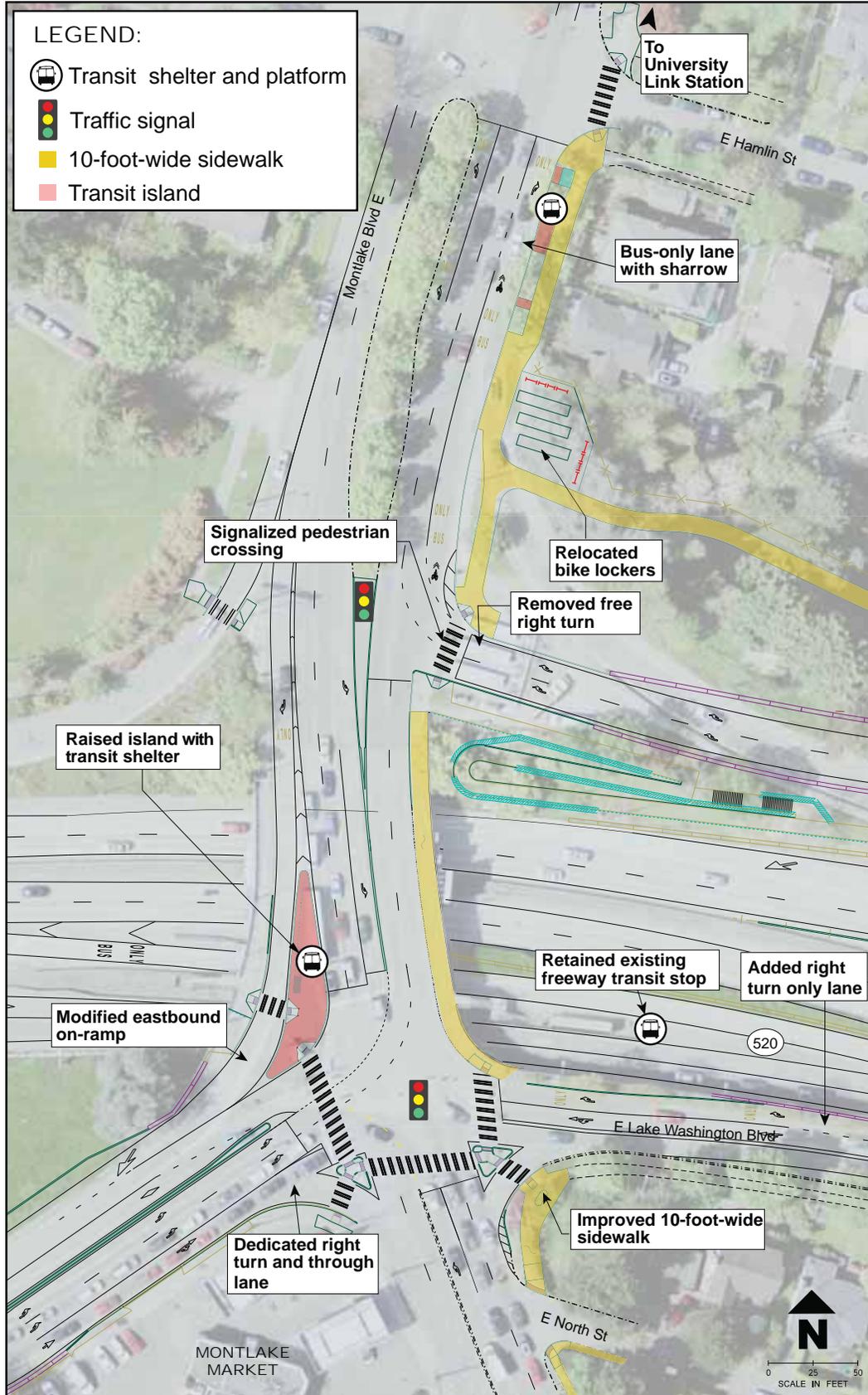


Note: Curb ramps and pedestrian refuge islands updated to meet ADA standards.



Vicinity map

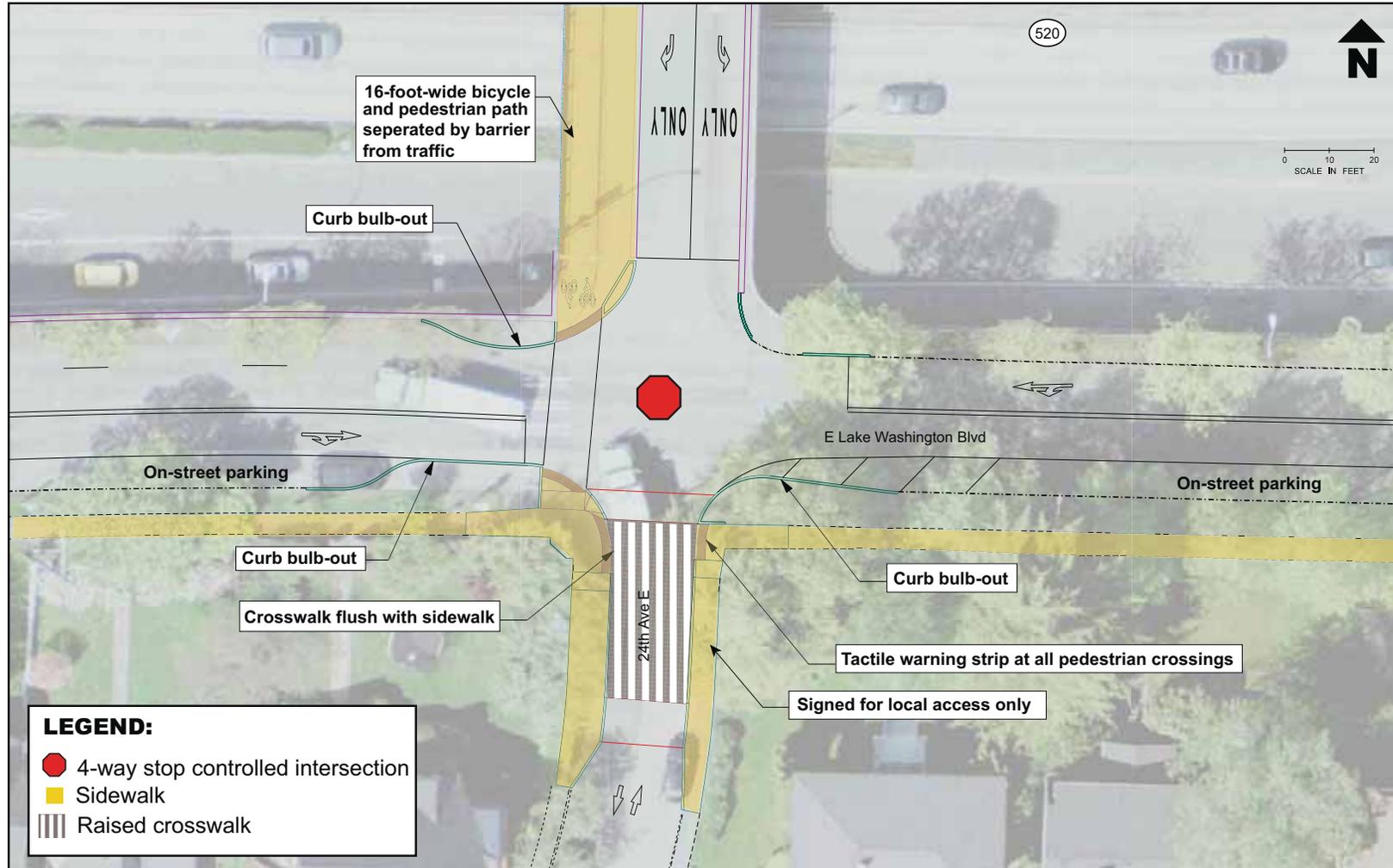
Montlake Boulevard key features



Vicinity map

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

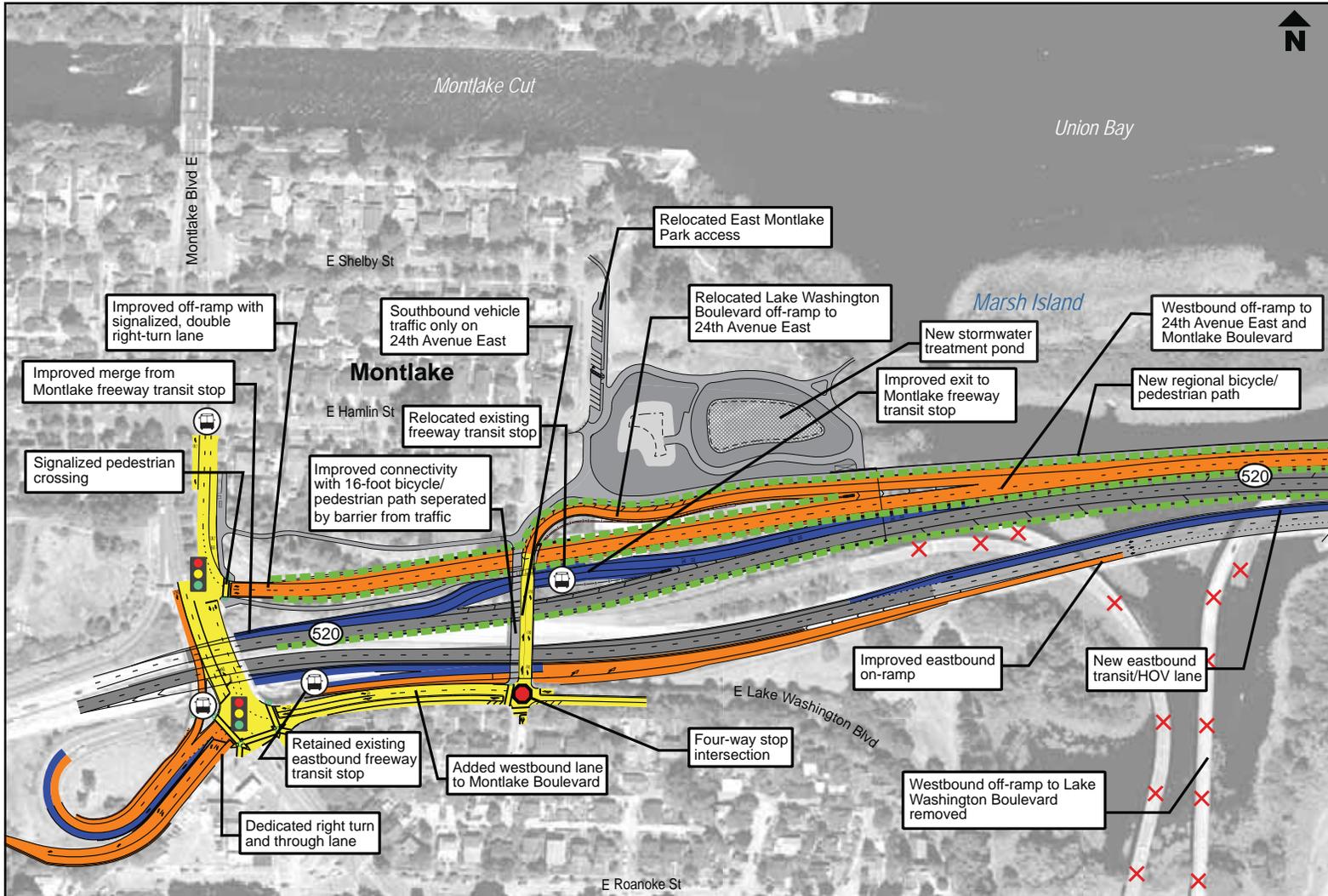
24th Avenue East and Lake Washington Blvd. intersection key features



Vicinity map

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

Key features of the West Approach Bridge North Project



Noise reduction strategies

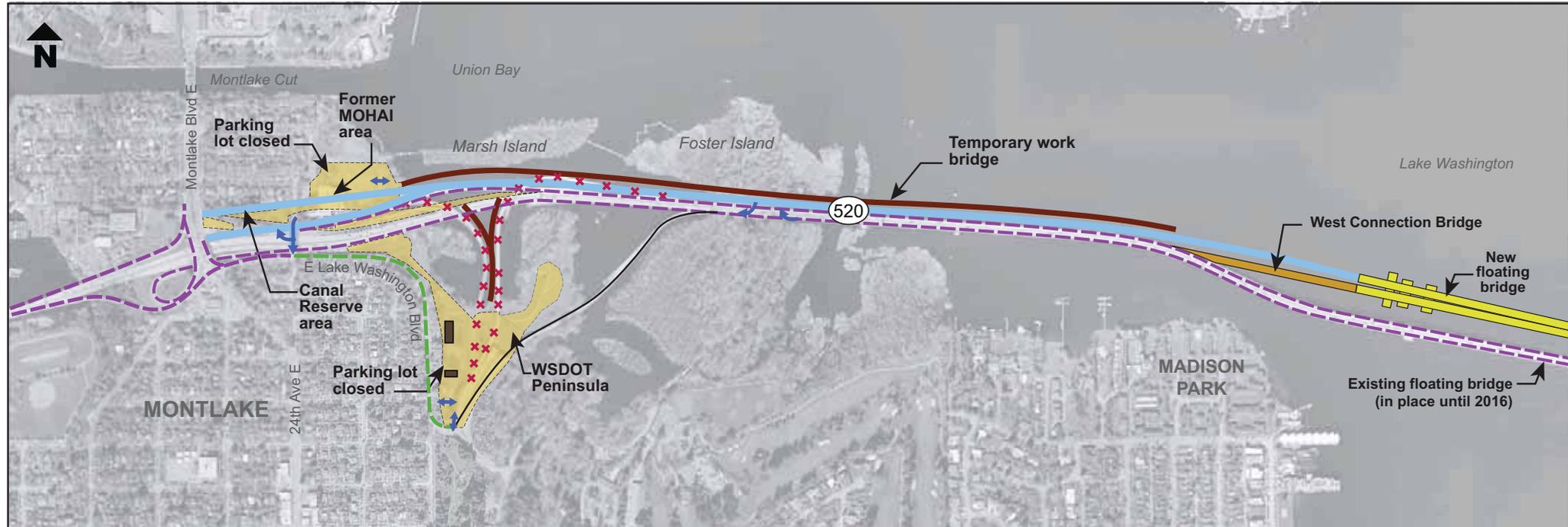
West Approach Bridge North noise-reduction strategies include the following:

- 4-foot concrete traffic barriers (taller than standard barrier)
- Encapsulated bridge joints
- Quieter concrete pavement on the new bridge

LEGEND

- SR 520 highway
- On- and off-ramps
- Local arterials
- Transit/HOV ramps
- Removal of on- and off-ramps
- Stop-controlled intersection
- Traffic signal
- Bus stop
- 4-foot concrete traffic barriers

West Approach Bridge North Project construction overview

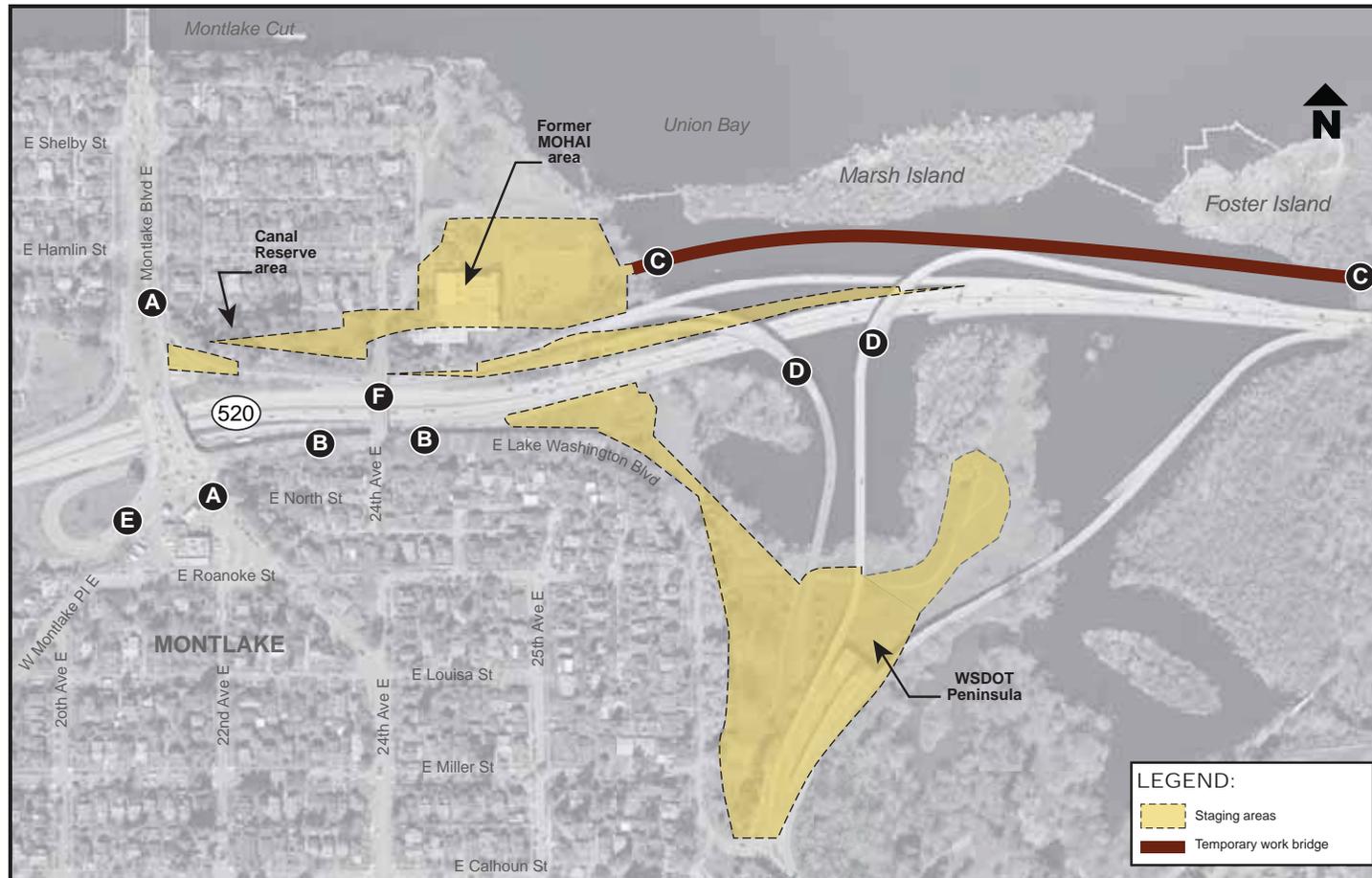


LEGEND:

- | | | |
|--|------------------------|-------------------------|
| Staging areas (includes tree and vegetation removal) | Temporary work bridge | Contractor access point |
| Primary haul route | New floating bridge | Ramp removal |
| Secondary haul route | New WABN | |
| Project field office | West Connection Bridge | |

Anticipated nighttime construction activities

Nighttime construction work is necessary to complete the West Approach Bridge North Project (WABN) as efficiently as possible and to help keep daytime traffic flowing. When needed, WSDOT will be granted temporary noise variances by the city of Seattle to conduct noisier work after 10 p.m. Nighttime construction hours are between 10 p.m. and 7 a.m. on weekdays and 10 p.m. and 9 a.m. on weekends. When a noise variance is in use, notifications will be provided to residents within 300 feet of the work.



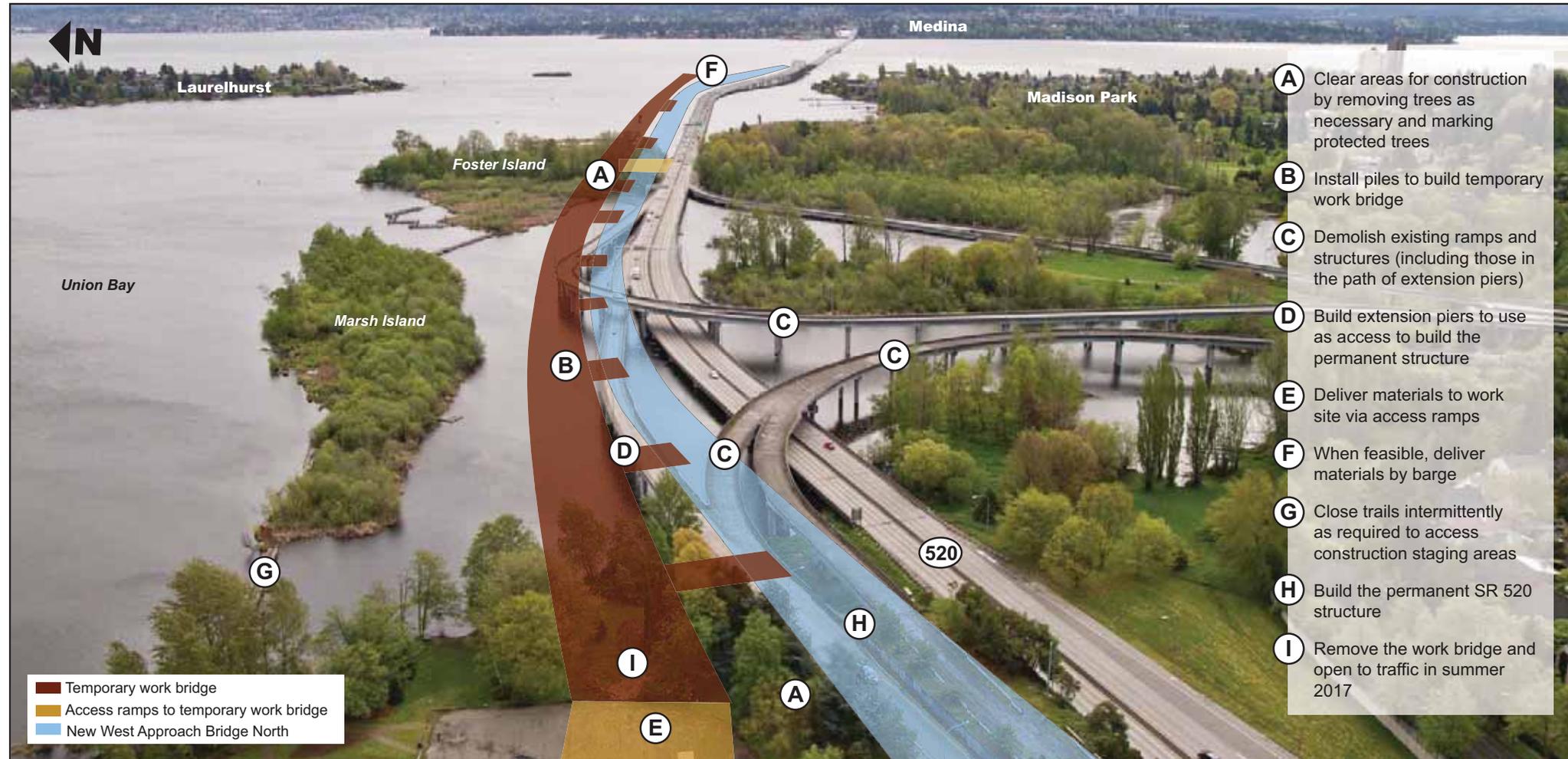
- A** Montlake Boulevard East
 - Remove and replace medians, sidewalks and transit stops.
 - Repave street as needed.
 - Requires intermittent weeknight single-lane closures on Montlake Boulevard East.
- B** East Lake Washington Boulevard
 - Replace existing power and sewer lines and install manholes.
 - Repave street as needed.
 - Requires up to two full weekend closures of Lake Washington Boulevard.
- C** Work bridge near Montlake shoreline and Foster Island
 - Deliver construction materials and equipment.
 - Requires single-lane closures of westbound SR 520 Monday night through Friday mornings and occasional Saturdays.
- D** R.H. Thomson "Ramps to Nowhere"
 - Remove and haul away concrete columns that are directly adjacent to SR 520 highway lanes.
 - Requires single-lane closures of westbound SR 520 Monday night through Friday mornings and occasional Saturdays.
- E** Eastbound SR 520 ramps to and from Montlake Boulevard
 - Install new drainage and widen ramp area.
 - Requires single-lane closures of both ramps Monday night through Friday mornings.
- F** 24th Avenue East over SR 520
 - Lengthen the 24th Avenue East bridge.
 - Remove and replace railings and sidewalks.
 - Requires an approximately 6 month closure of 24th Avenue East bridge over SR 520.

How to stay informed

For urgent issues, call the 24-hour hotline: **206-708-4657**
 Stay tuned to the **SR 520 Orange Page**
 for dates and times on all nighttime work:
<http://www.wsdot.wa.gov/Projects/SR520Bridge/520OrangePage>

Note: All work is dependent on plans and schedule as determined by the contractor. Due to the dynamic nature of construction activities, schedules are subject to change.

Steps for building new West Approach Bridge North



Note: For illustration purposes, not to scale

Ramp removal during West Approach Bridge North Project

