

SR 520 – Portage Bay Bridge and Roanoke Lid Project

Frontline Neighbors Meeting

Zoom Meeting – April 19, 2022

Presenters:

Todd Harrison

SR 520 Director of Project Development

Lawrence Spurgeon

SR 520 Program Environmental Manager

Dave Becher

SR 520 Director of Construction

Zoom Logistics

All participants are currently muted. Please remain muted during the presentation

Please submit your questions using the chat function. We will answer questions in the order they are received.



Goals

We want you to walk out of here feeling clear about

- Project features and timeline
- What to expect about construction effects
- Strategies for minimizing construction effects
- Resources and tools
- Public engagement opportunities
- Questions or concerns

Meeting agenda

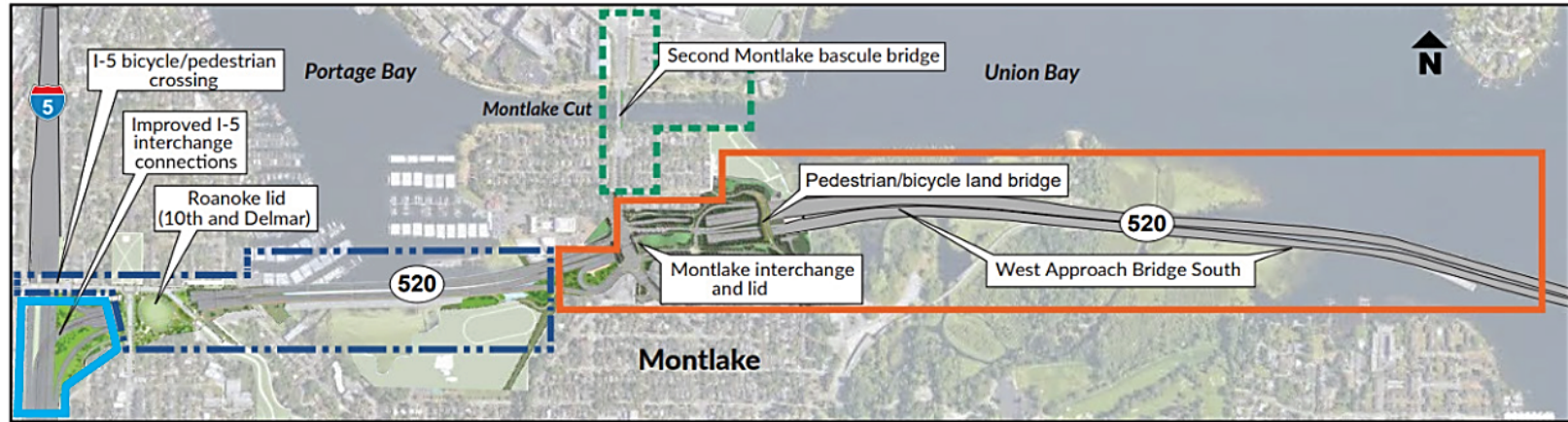
Part I: Project Overview

- Q&A #1 (5 min)

Part II: Construction effects, resources, & opportunities

- Noise
- Vibration
- Q&A #2 (15 min)
- Air quality & lighting
- Traffic
- Q&A #3 (15 min)

SR 520 progress keeps moving west



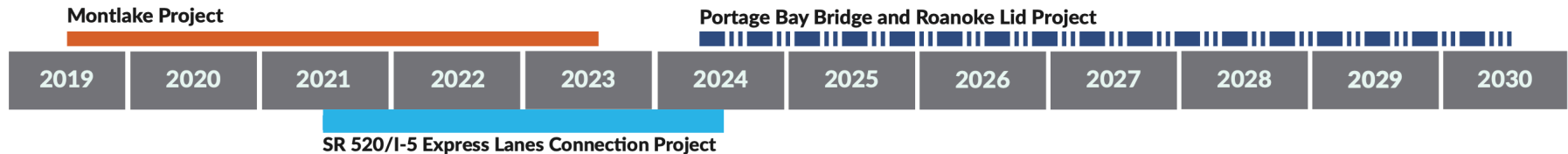
SR 520/I-5 Express Lanes Connection Project
Construction started: 2021
Estimated duration: 3 years

Portage Bay Bridge and Roanoke Lid Project
Construction estimated start: 2024
Estimated duration: 6 years

Montlake Cut Bascule Bridge Project
WSDOT will coordinate with community stakeholders and agency partners regarding project scope and timing

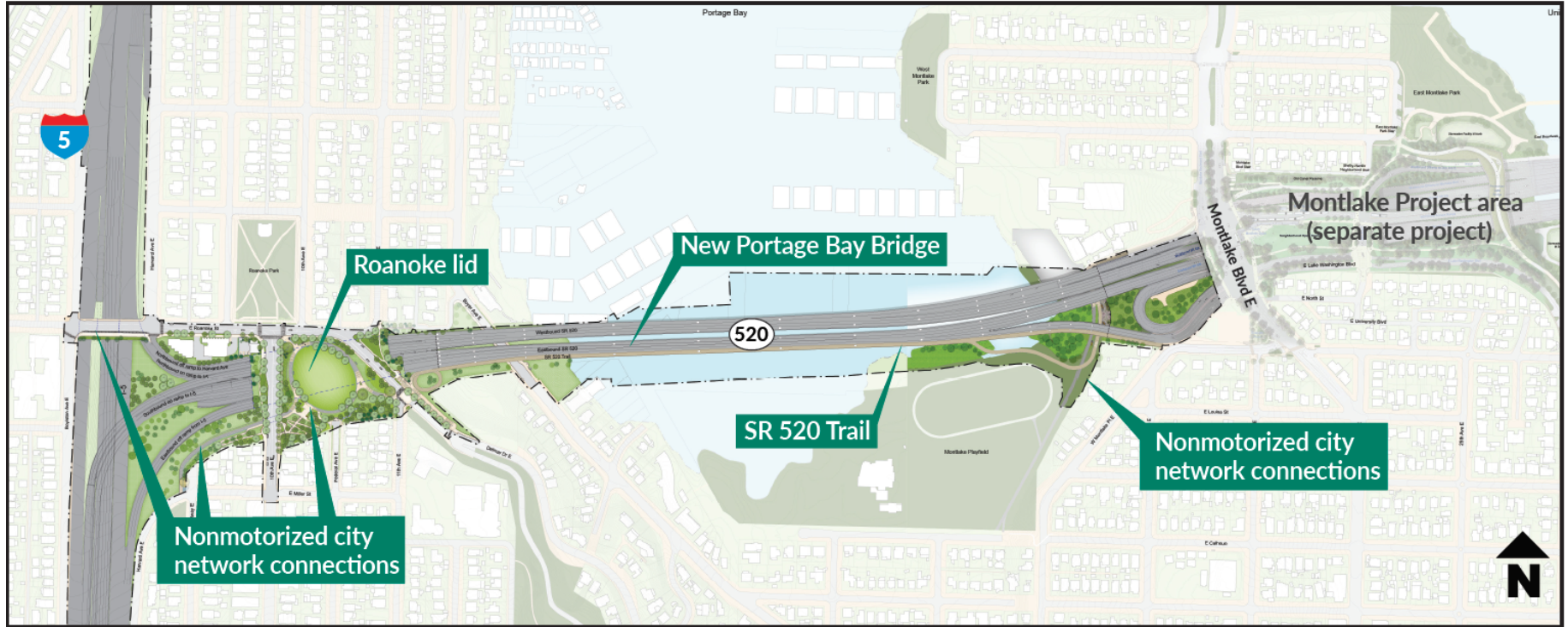
Montlake Project
Construction started: 2019
Estimated duration: 4-5 years

SR 520 construction timeline



Portage Bay Bridge and Roanoke Lid overview

Major project elements



Portage Bay Bridge



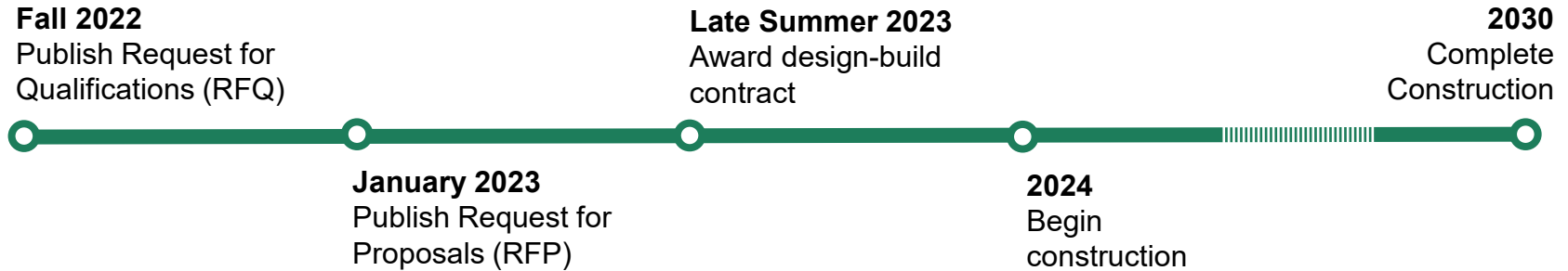
Conceptual rendering of new Portage Bay bridges, looking southwest

Roanoke Lid



Conceptual rendering of new Roanoke Lid

SR 520 Portage Bay Bridge & Roanoke Lid Project Timeline



Design-build



What is
design-build?

Questions & Answers



Overview: Construction Impacts



Noise



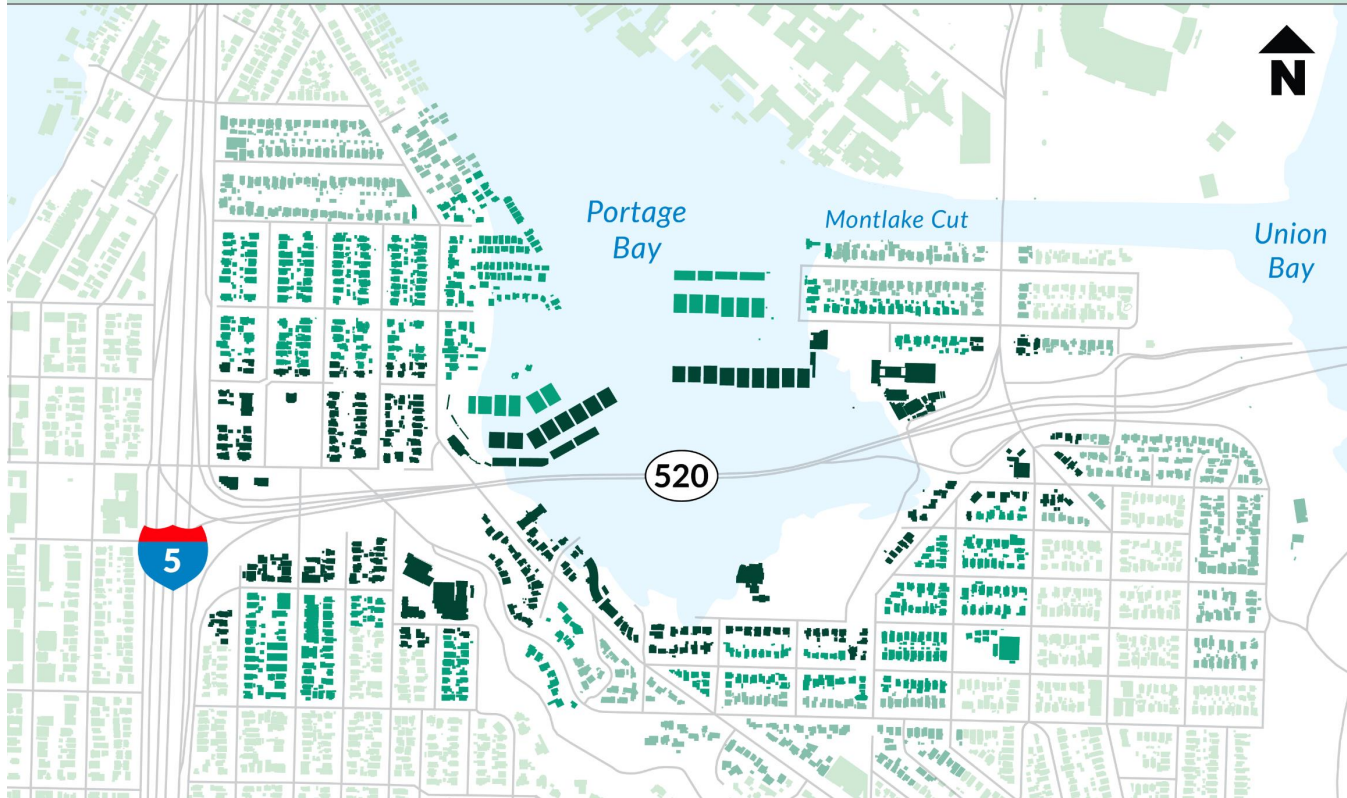
Vibration



Air Quality and Lighting



Traffic (Bike/Ped/Car/Boat)



The above map shows the approximate area where construction may affect frontline community members. The darker shaded areas are likely to experience greater effects.

Noise: What to Expect

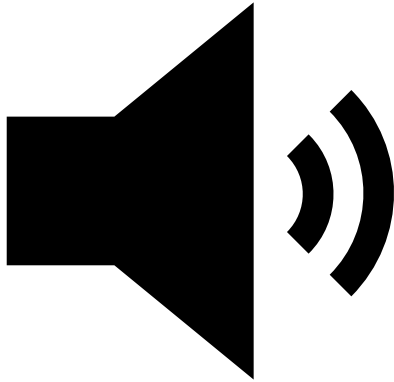
DAYTIME WORK

- Most construction activities:
 - Most demolition
 - Truck driving & material delivery
 - Placing concrete
 - Installing reinforcing steel
 - Vibratory pile driving and pile strike proofing

NIGHTTIME WORK

- Specific activities:
 - Demolition that requires road closure
 - Placing bridge girders
 - Truck driving and material delivery
 - Shifting traffic lanes

Noise: Strategies to Reduce Construction Noise



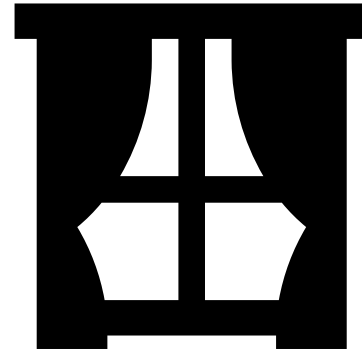
- Noise-shielding fencing
- No pure-tone backup alarms
- On-site independent noise inspector
- Noise monitors

Noise: Resources for Neighbors

Noise Mitigation Pilot Program

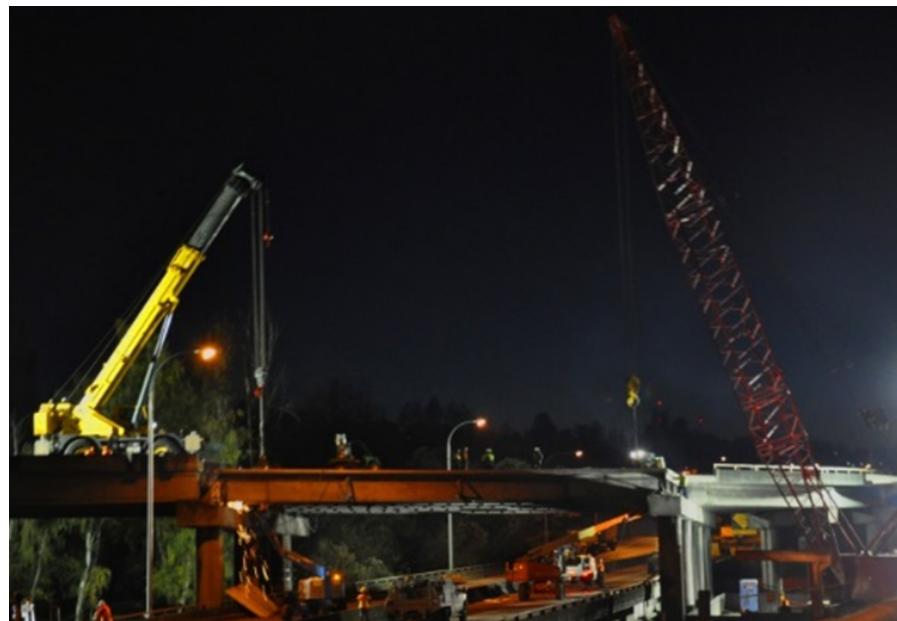


Hotel Vouchers



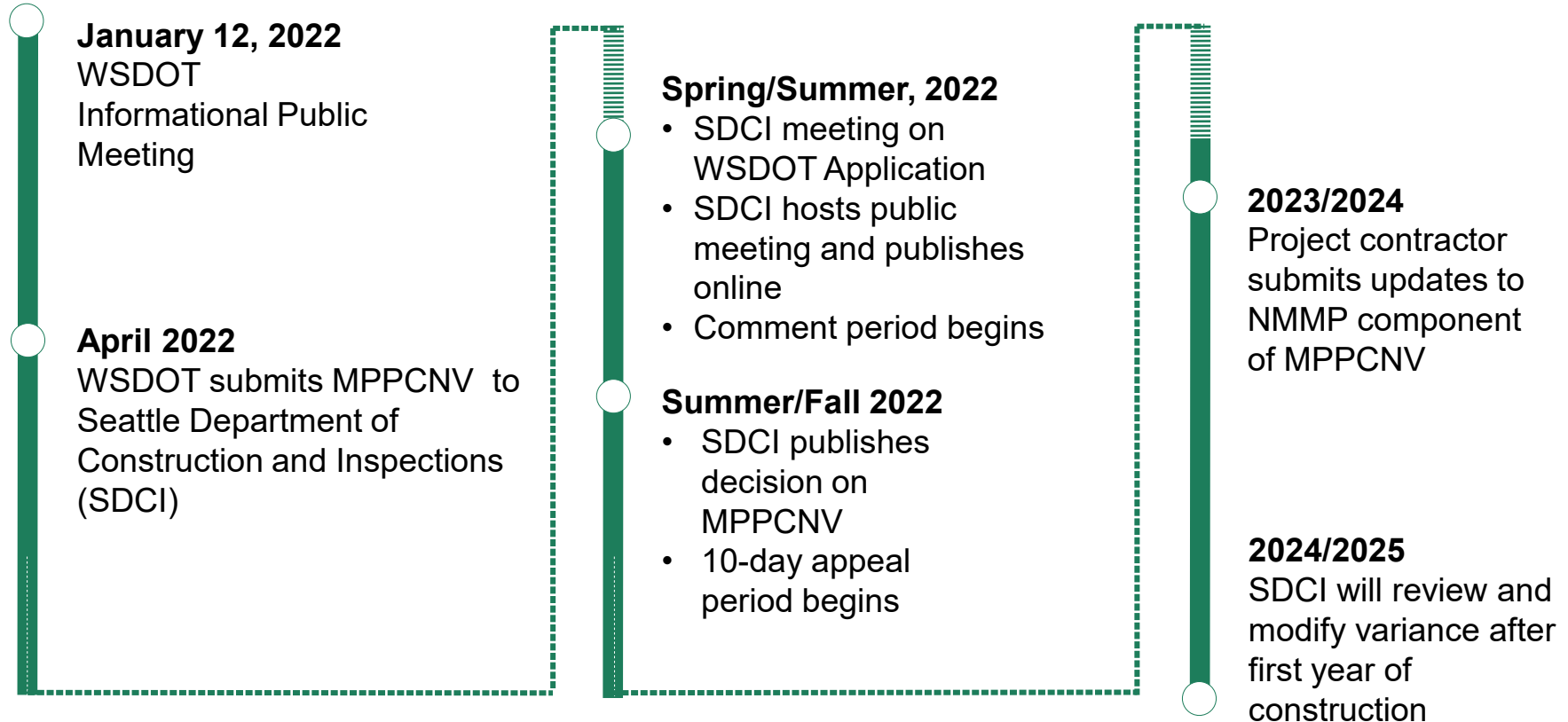
What is an MPPCNV?

Major Public Project Construction Noise Variance is a variance for a public facility with substantial effects on public safety, health and welfare, and public services like transportation.



SR 520 project work site at night

MPPCNV Timeline



Vibration: What to Expect

- Pile installation
- Removal of existing bridge
- Other construction activities



Pile installation in Lake Washington

Vibration: Strategies to Control Vibration

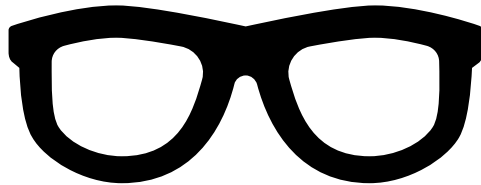
- Test pile installation
- Bridge removal techniques that reduce vibratory impact



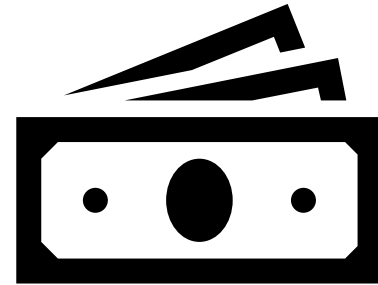
Trucks taking away carefully removed sections of the old SR 520 Bridge

Vibration: Resources for Neighbors

**Pre- & post-construction
Inspections**



**Vibration Damage
Fund**

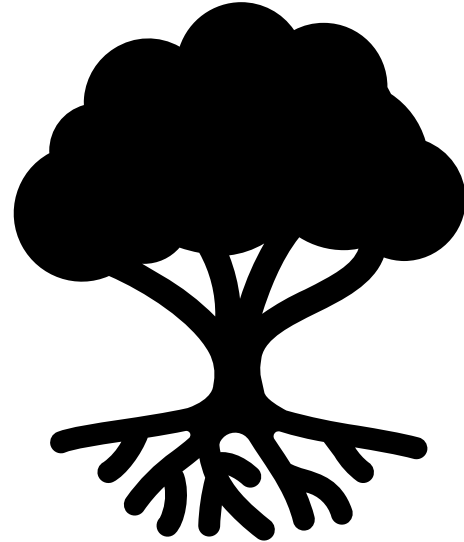


What's a CCMP?

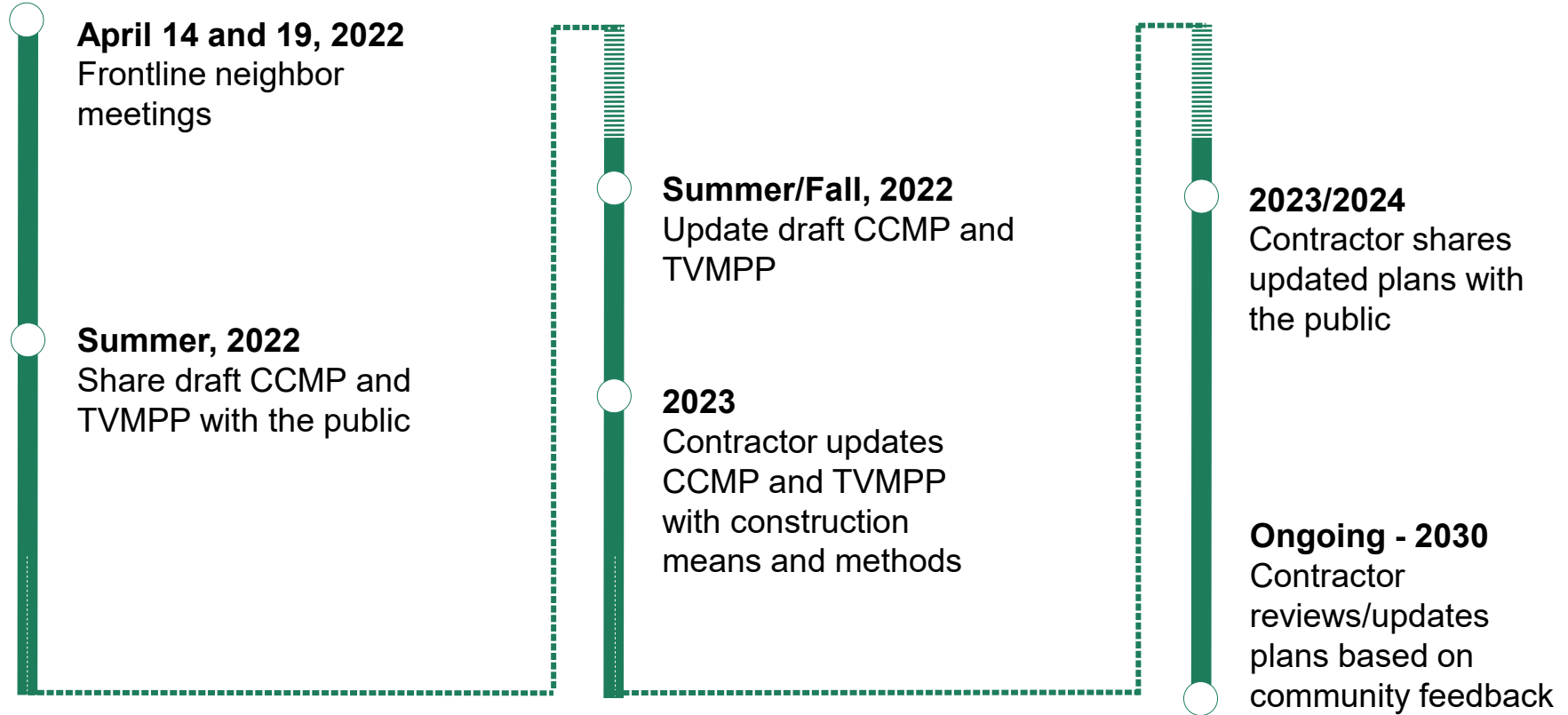
- **A Community Construction Management Plan (CCMP) includes:**
 - **What to expect during construction**
 - **What have we agreed to do to manage these effects**
 - **What will we do to reduce effects**
 - **Resources to learn more**
- Reviewed by contractor in public meetings through construction
- Access SR 520 construction corner for information at:
sr520construction.com

What's a TVMPP?

- Tree and Vegetation Management and Protection Plan (TVMPP) will:
 - **Identify areas of tree removal, protection, and restoration,**
 - **Describe our methods to minimize removal of trees**
 - **Share plans for restoring the area post-construction.**



CCMP and TVMPP Timeline



Questions & Answers



Air Quality and Lighting: What to Expect

AIR QUALITY

- Construction creates dust & dirt
- Dust will be generated from moving earth and removing old bridge

LIGHTING

- During construction activities there will be lighting along the bridge, roadway, and work areas

Air Quality & Lighting: Strategies for Minimize Effects

AIR QUALITY

- Using best practices to keep dust out of the air

LIGHTING

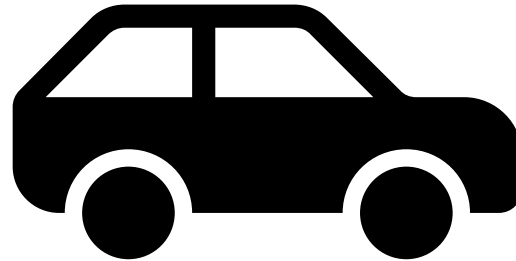
- Using special equipment and best practices to keep light on the work site and away from residences

Air Quality and Lighting: Resources for Neighbors

Home Washing

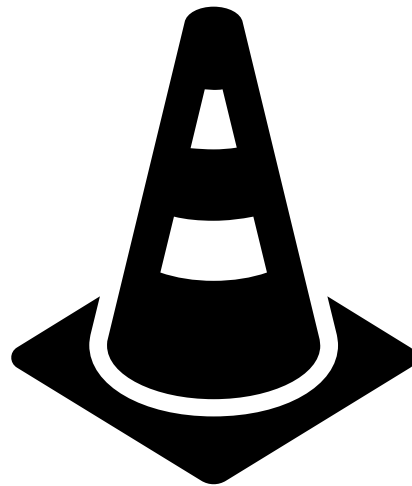


Car Washing



Traffic (Bike/Ped/Car/Boat): What to Expect

- Haul routes
- Local street closures
- Bike/pedestrian paths
- Parking
- Boating access



What's an NTMP?

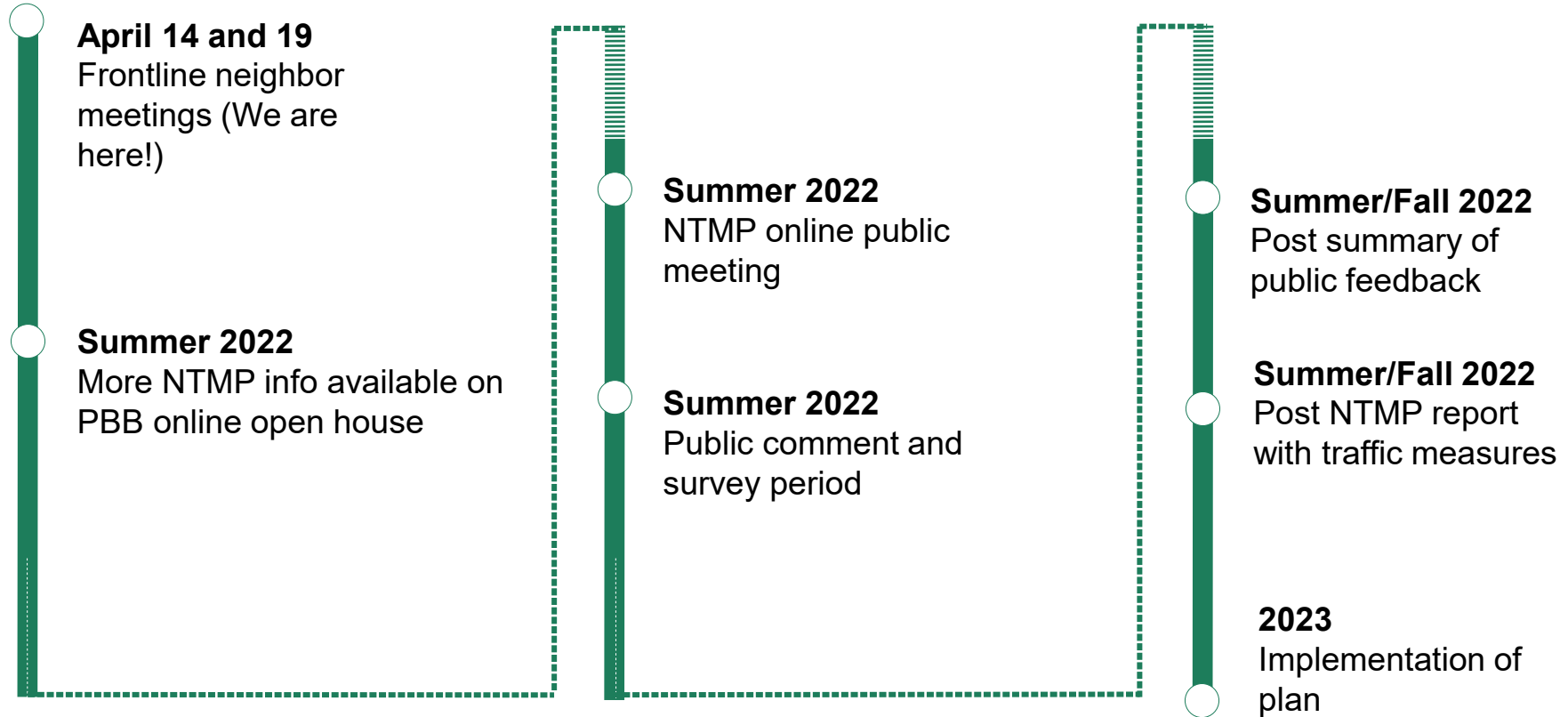
- Commitment with City of Seattle
- Defines ways to alleviate traffic impacts to the neighborhood
- Identifies short- and long-term traffic management strategies
- Public meeting in spring/summer

Neighborhood Traffic Management Plan SR 520 Montlake Phase Update

DECEMBER 2017



NTMP Timeline



Hauling

- Vehicles hauling materials to and from the project site
- Hauling on I-5 and SR 520 as much as possible to reduce local impacts
- Commitments made to prevent, maintain, repair damage to key street features

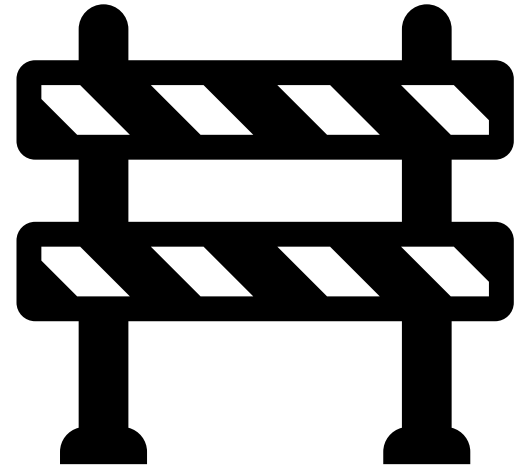


Haul Routes



Street and Trail Closures

- Some night and weekend closures
- Notification in advance with detour information
- Sidewalk and trail closures
- Bill Dawson Trail closed for safety



Parking & Boats

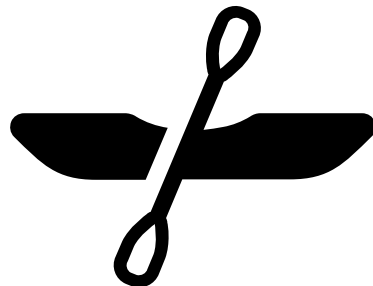
Parking

- Contractor will not use street parking
- Changes will be for access or safety only, with advance notification
- Street impacts to Boyer Ave East



Recreational boat access

- Access for small recreational boats
- Temporary closures for safety reasons



QUESTIONS & ANSWERS



Thank you & Stay in Touch!

- **Contact:** David Goldberg, Community Liaison GoldbeD@wsdot.wa.gov
- **Sign up for Rest of the West Email updates:**
<https://public.govdelivery.com/accounts/WADOT/subscriber/new>
- **Portage Bay Bridge and Roanoke Lid FAQ**
<https://sr520construction.com/FutureConstructionProjects>
- **For general SR 520 Program information visit:**
www.wsdot.wa.gov/projects/SR520Bridge
- **E-mail:** SR520Bridge@wsdot.wa.gov
- **Call:** (206) 770-3554



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