

I-90 & Rainier Ave S Pedestrian Safety Improvements

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Overview

Active Transportation

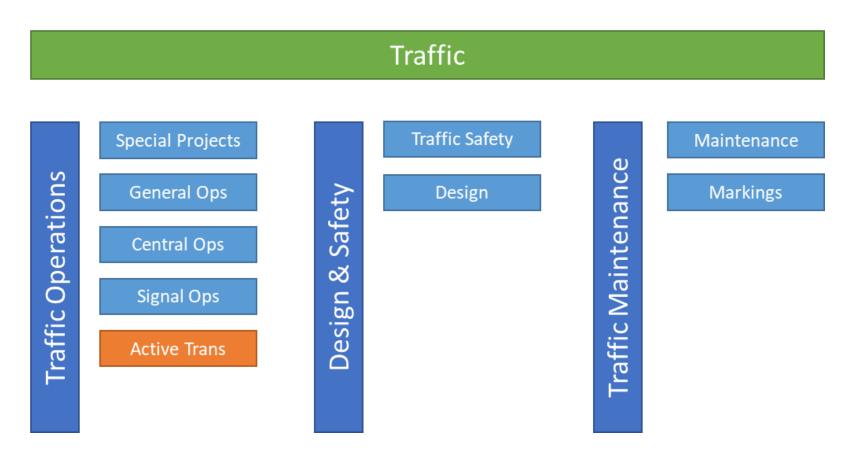
- Introduction to AT at WSDOT NWR
- I-90 & Rainier public interactions
- Practical solutions at WSDOT
- Site overview

<u>Traffic Operations (Engineering)</u>

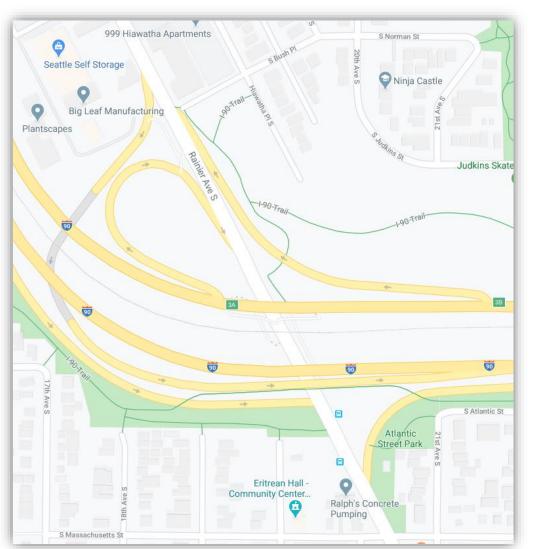
- Context
- Site characteristics
- Planned & proposed improvements
 - Interim improvements
 - Near-term improvements
 - Long-term improvements

Background (Active Transportation)

We aim to build and foster Active Transportation expertise within the NWR. We forward the multimodal goals of WSDOT with specific actions enacting positive change for active transportation at the region-wide and even statewide scale.



Rainier Ave S Pedestrian Concerns



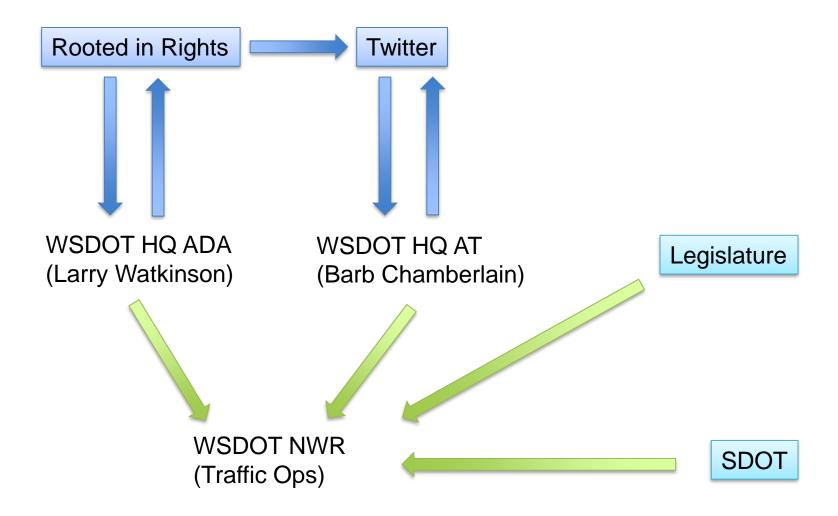






Public Interaction

Initial Input



Public Interaction Active Transportation Input

We encourage any input to be made directly to Northwest Region Traffic



- @wsdot_traffic (King, Snohomish counties) @wsdot_north (Mount Baker Area)



E-mail:NWPublicAffairs@wsdot.wa.gov



Active Transportation Direct:nawrocj@wsdot.wa.gov

Public Interaction Ongoing Coordination

- Field meetings
- Design coordination
 - o Public
 - WSDOT internal
 - o SDOT



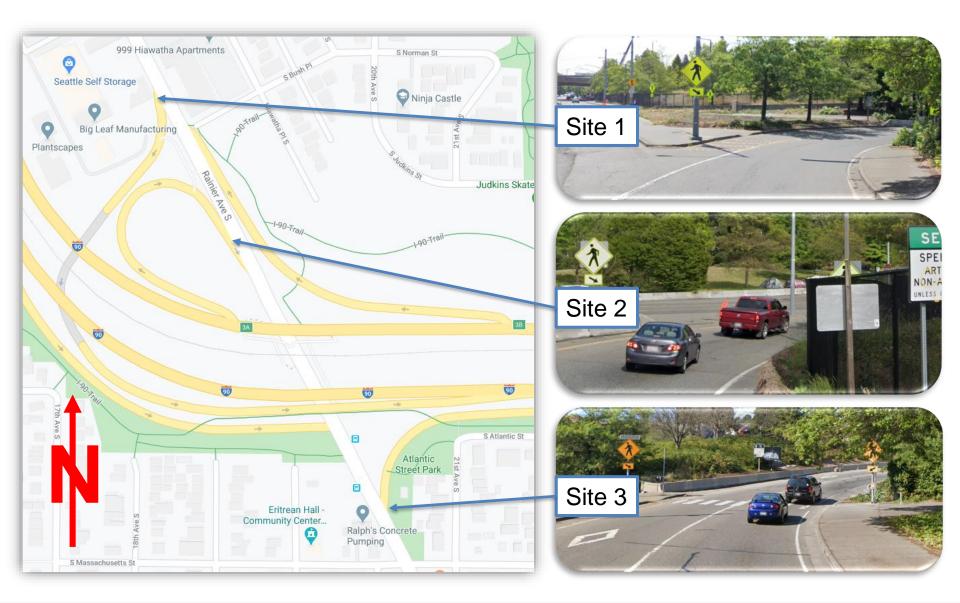
Practical Solutions

Community engagement is a key factor in helping to develop Practical Solutions. Practical Solutions are found when stakeholders work together to identify approaches that are sustainable and innovative.

Practical Solutions **builds on previous successes** in improving contextsensitive solutions, cost efficiencies, partnerships, and modal choice.

- How can we partner with the public and agencies?
- What can we do quickly to improve safety?
- What has worked well before?

Site Overview



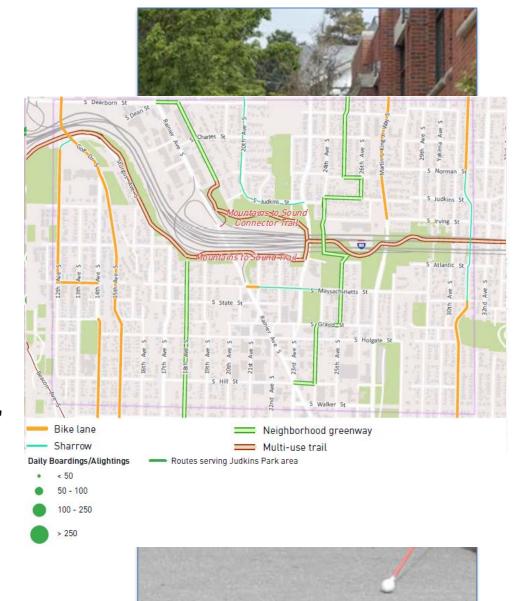
Context

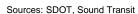
Vehicular Travel on Rainier Ave S

- 31,700 36,600 AAWDT (2014)
- Commercial arterial (trucks)
- Access to I-90

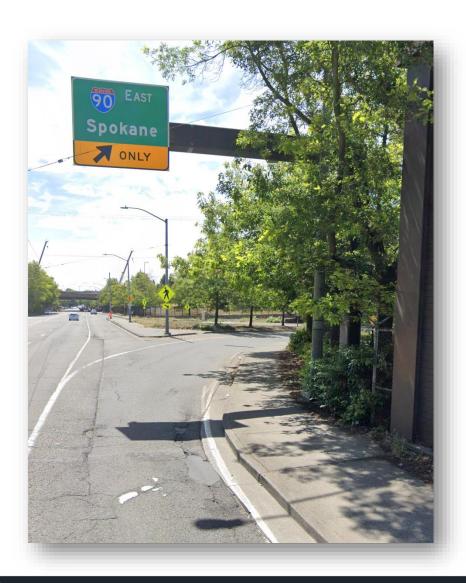
Active Transportation Needs

- Judkins Park LRT Station (2023)
- Lighthouse for the Blind
- Bus routes (#4, #7, #8, #9, #48, #106, #212, #217, #554...)
- I-90 (Mountains to Sound) Trail
- Increasing high-density residential & commercial uses
- Possible future bike lanes



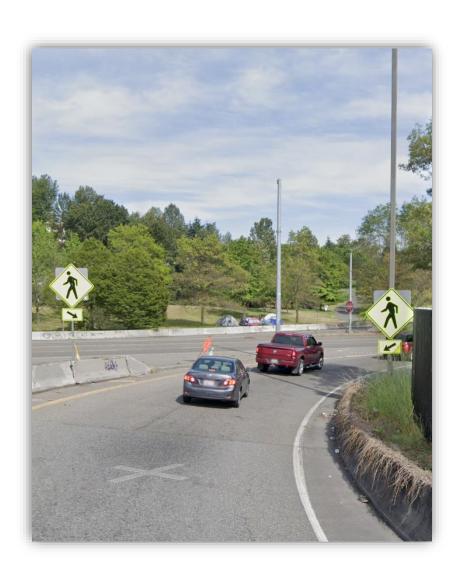


Site 1 Characteristics



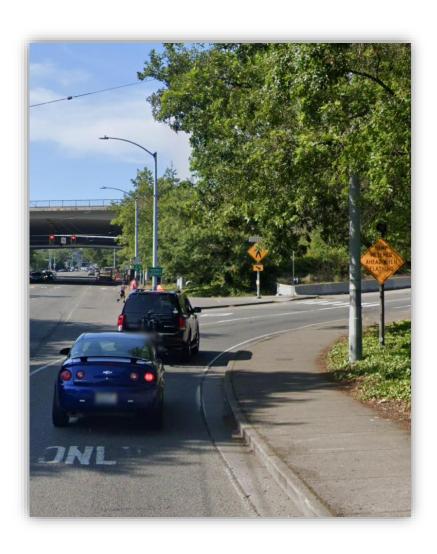
- Curb ramps are not ADA compliant.
- No marked crossing.
- Vegetation invading sidewalk.
- Vegetation covering pedestrian signs.
- Site distance constraint for both drivers and pedestrians around curve and building.
- Vehicles accelerating up to freeway speeds.
- Wide travel lanes.

Site 2 Characteristics



- Curb ramps are not ADA compliant.
- No marked crossing.
- Site distance constraint for both drivers and pedestrians around curve and fence.
- Vehicles decelerating from freeway speeds.
- Wide travel lanes.
- Downhill grade for traveling vehicles.

Site 3 Characteristics



- Curb ramps are not ADA compliant.
- Trees covering pedestrian warning signs.
- Poles and objects within sight distance path.
- Site distance constraint for both drivers and pedestrians around curve and fence.
- Vehicles accelerating up to freeway speeds.
- Two wide travel lanes.
- One metered lane and one HOV bypass lane.

Moving Forward

Interim Improvements

Quickly implement signing and striping improvements at Sites 1-3. To be completed by WSDOT crews.

Near Term Improvements

Seek grant funding and other revenue sources for Site 3 redevelopment.

Long Term Improvements

Work with local constituency and City of Seattle to advocate and fund redevelopment of Sites 1 and 2.

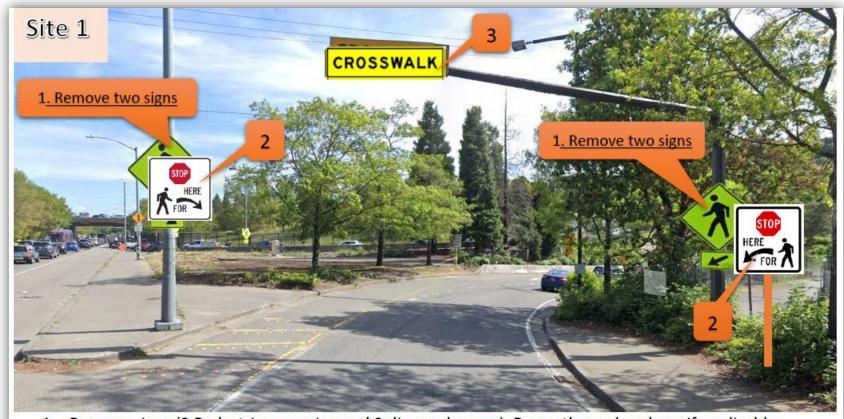
Interim Improvements Sites 1-3



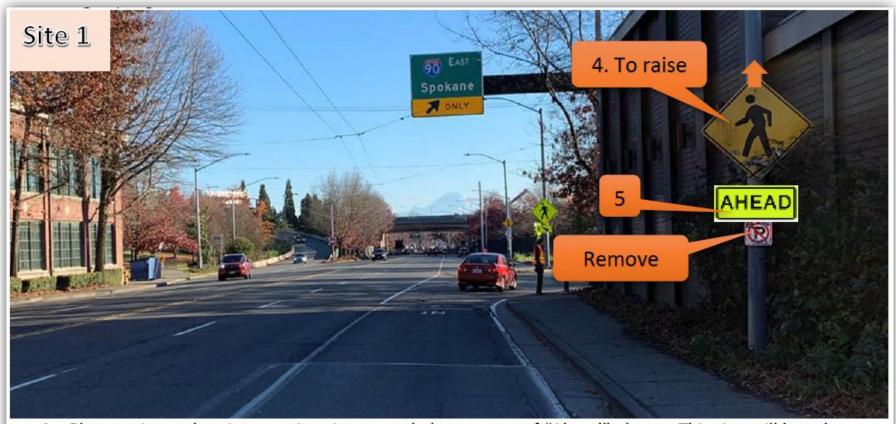








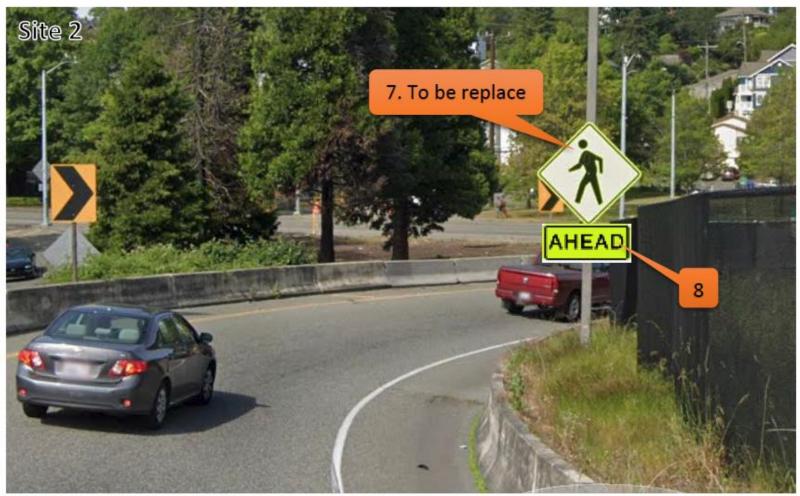
- Remove signs (2 Pedestrian crossing and 2 diagonal arrow). Reuse them elsewhere if applicable. Sign ID# 183035, 183037
- 2. Install R1-5R on existing luminaire, and R1-5L on a new post, behind sidewalk. The two signs should be across from each other. Sign ID#277337, 277338
- 3. FYI: This sign will later be replaced with a static W11A-301 sign (Crosswalk) using FYG sheeting (by MA Signal). Sign ID# 149497



- 4. Please raise pedestrian crossing sign up and place on top of "Ahead" plaque. This sign will later be replaced with LED flashing boarder sign (by MA Signal). Sign ID# unknown
- 5. Install W16-9P (Ahead) plaque on existing luminaire post, height=7' from base of post. Sign ID#277340.
 - Remove existing "No Parking Sign".



Raise "Yield Ahead (symbol)" sign up, height ~ 9 feet from edge of paved shoulder.
 Please clean graffiti if applicable. Sign ID#149486



- 7. To be replace with LED flashing boarder sign (by Electrical team)
- 8. Install W16-9P (Ahead) pleaque on luminaire post, height=7' from travel lane.

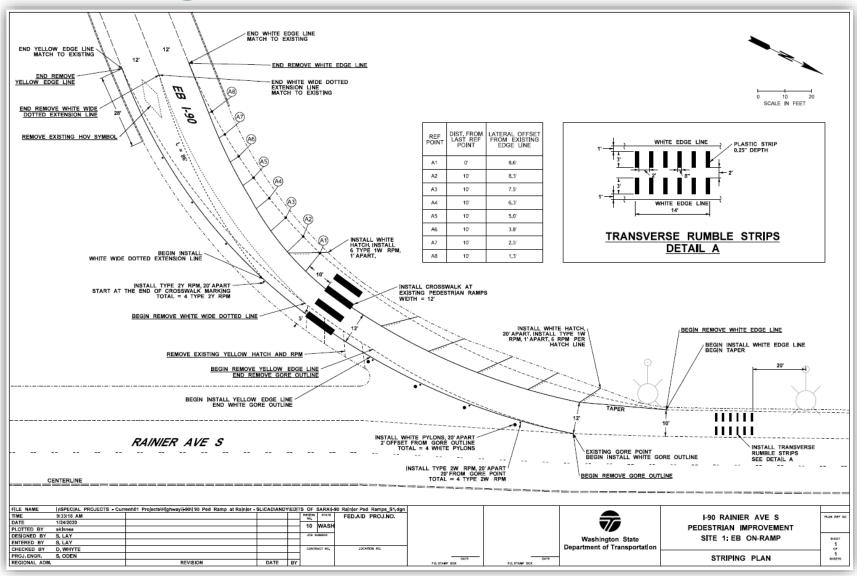


9. Move existing pedestrian warning sign and directional arrow up to meet the requirement height=7' from the base of post.

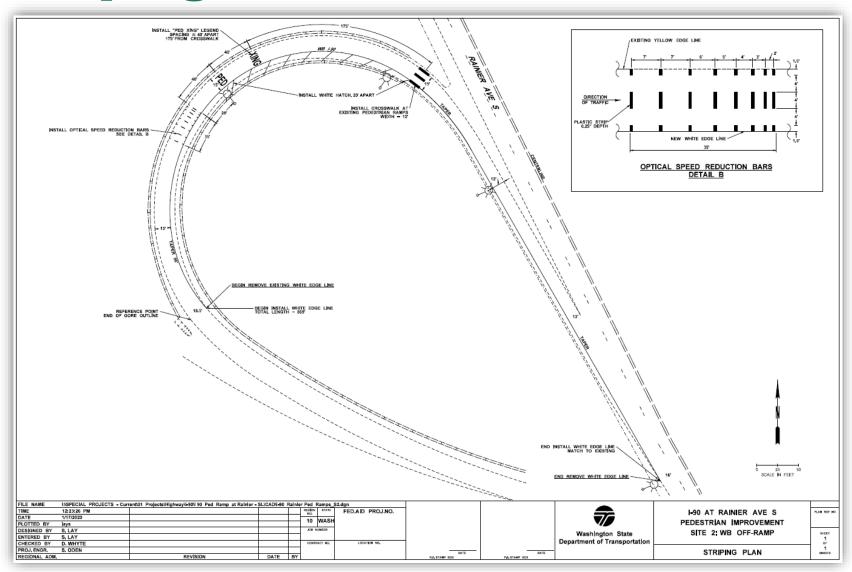


10. Install W11-501 signs on new posts near existing pedestrian ramps. 6' from face of curb. One facing north and one facing south. The maximum sign height = 5' from sign base. Sign ID# 277341, 277342.

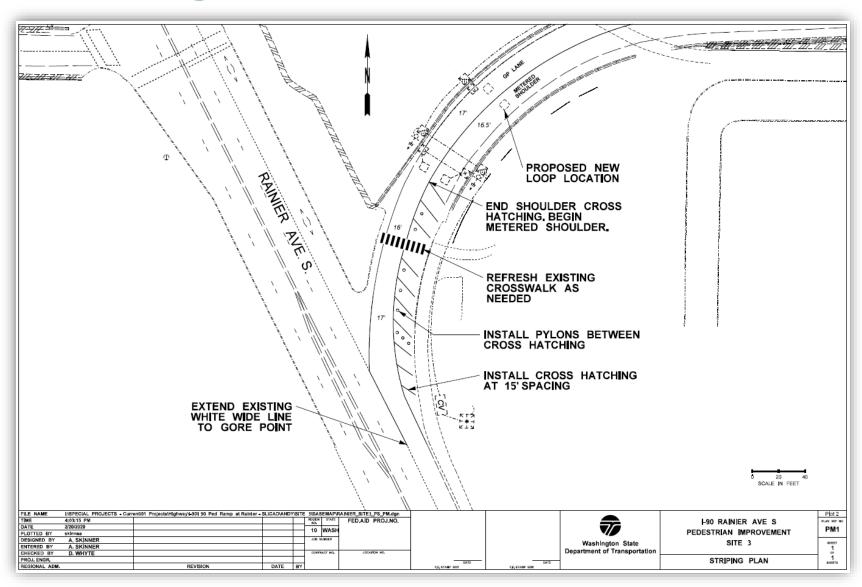
Striping Plan



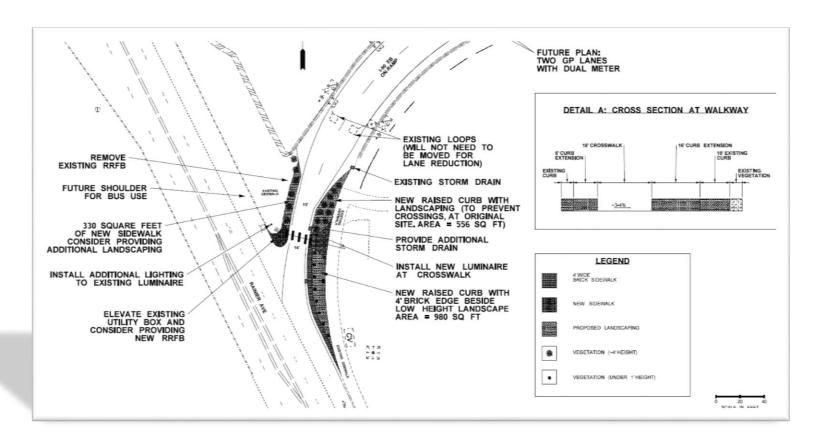
Striping Plan



Striping Plan

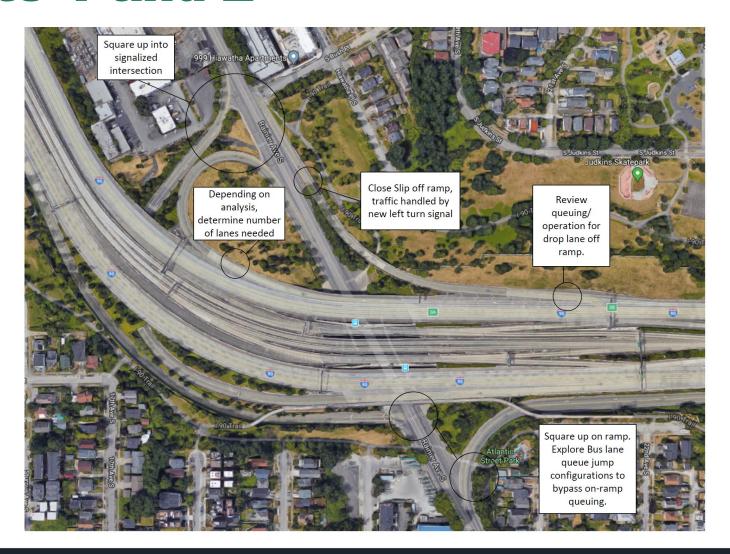


Near Term Improvements Site 3



- Coordination w/ WSDOT ramp metering project.
- WSDOT working with City of Seattle on a Highway Safety Improvement Grant. March 2020 submittal. 2023 construction.

Long Term Improvements Site 1 and 2



Questions and Answers

