

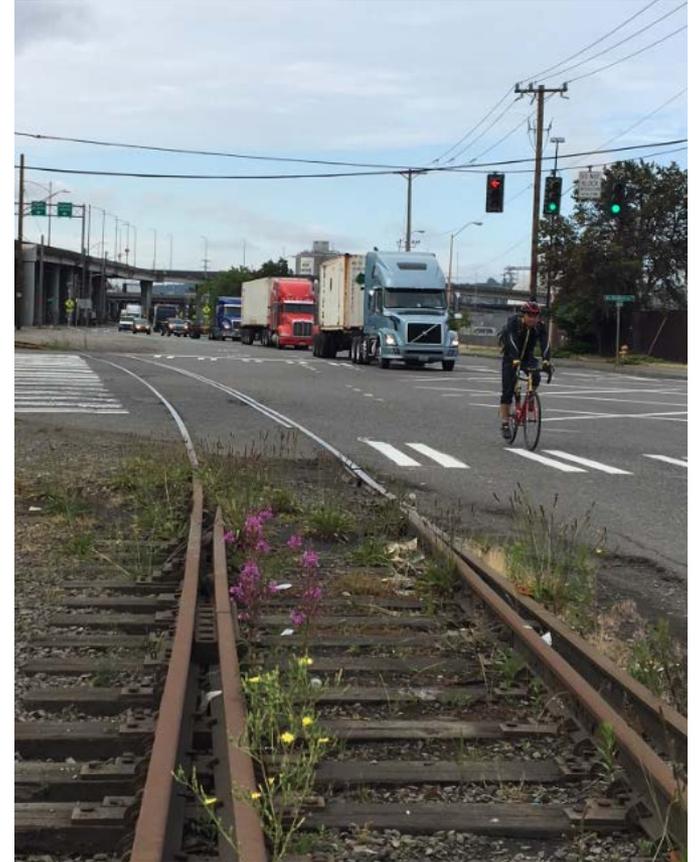
# E Marginal Way Project Update

Seattle Bicycle Advisory Board  
Megan Hoyt, SDOT



# Presentation Overview

- Project overview
- Progress since June 2019
- Phase 1 design details
- Central segment
- Upcoming Events/Next steps



# Project goals



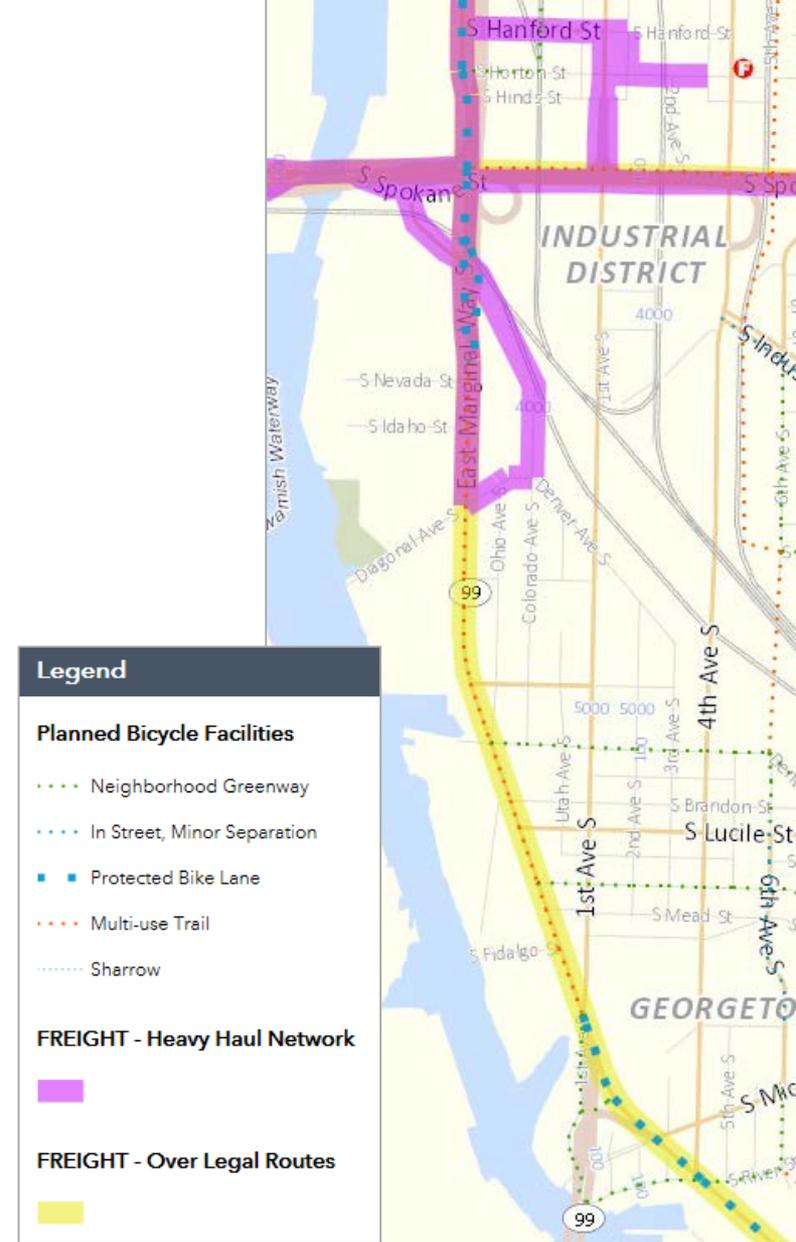
Improve freight mobility and access



Promote efficiencies in freight movements

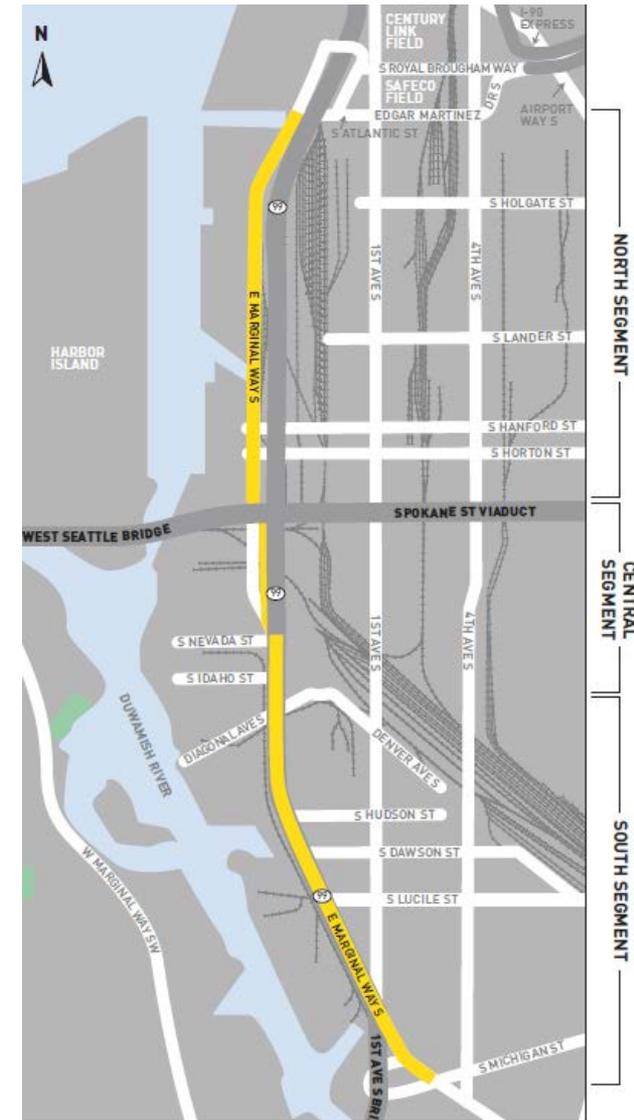


Enhance separation for people walking and biking



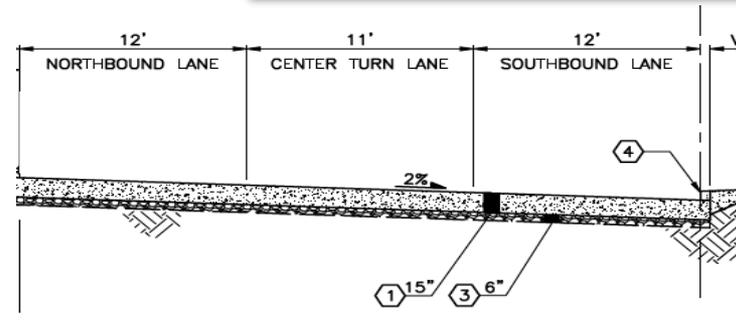
# Project limits

- North and Central Segments in design
  - Pavement reconstruction
  - Separated bicycle facility
  - Sidewalk replacement
  - Drainage and landscaping
  - New and rebuilt traffic signals
  - Signal upgrades
  - ITS elements
  - Water main replacement (SPU)



# Heavy Haul Pavement Network

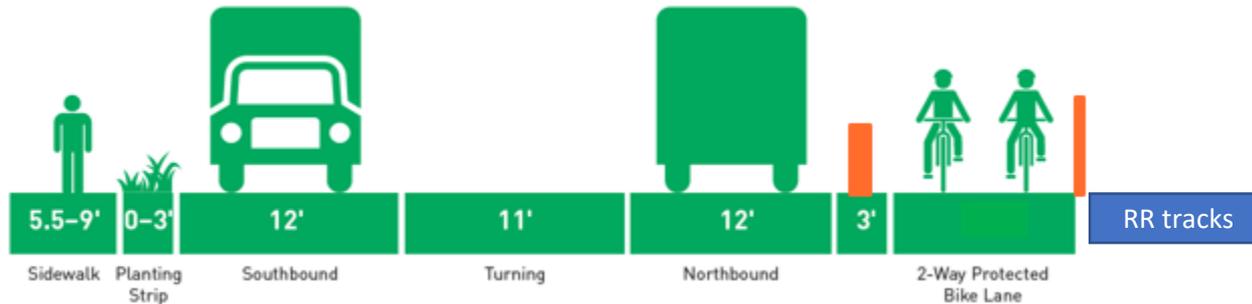
- Pavement between S Massachusetts St and S Spokane St will be upgraded to Heavy Haul standards
- Reconstructs roadway to provide 50-year life
- Redesigns intersections and adds adaptive signals to improve traffic flow
- Improves freight safety by separating people on bicycles



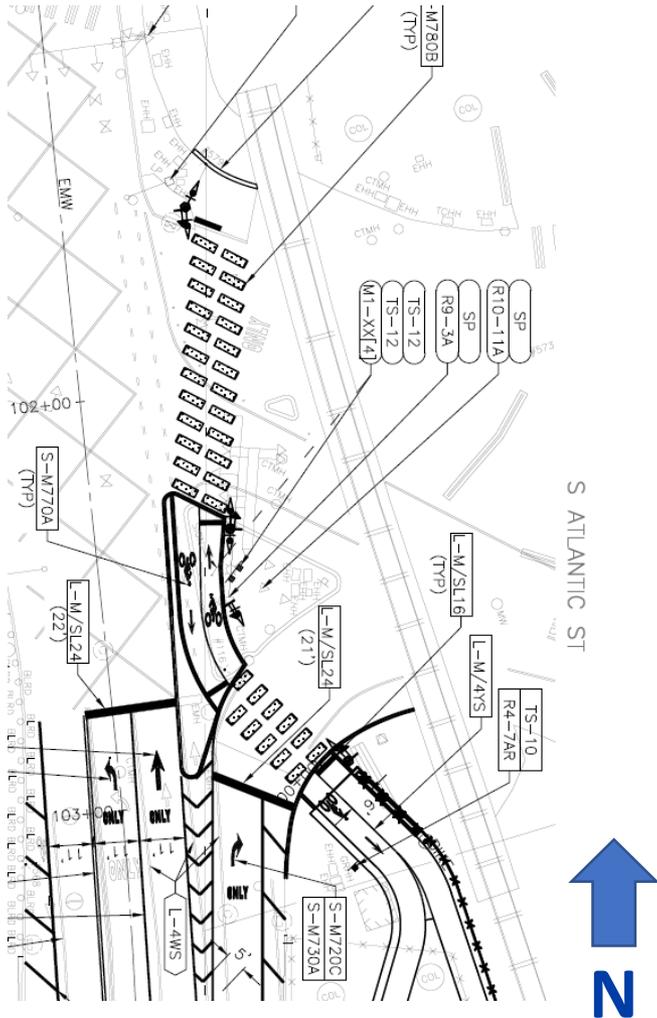
# Bicycle connections

## S Atlantic St to S Spokane St

- 1.33 miles of protected bike lane
- Separated (by space) where possible
- Continuous concrete barrier between bike lanes and roadway where space is not abundant
- Used daily by hundreds of cyclists



# Phase 1 details



Direct connection to Elliot Bay Trail

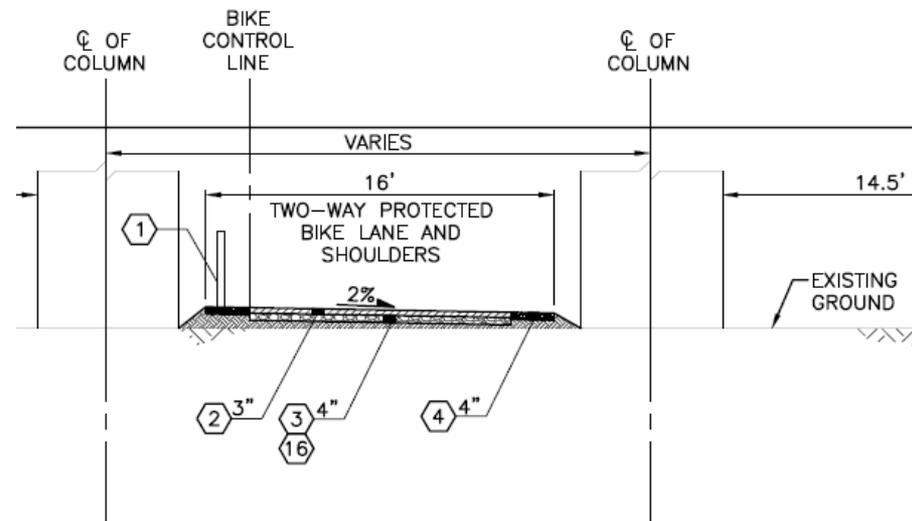


# Phase 1 details

From S Atlantic St under and adjacent to SR 99

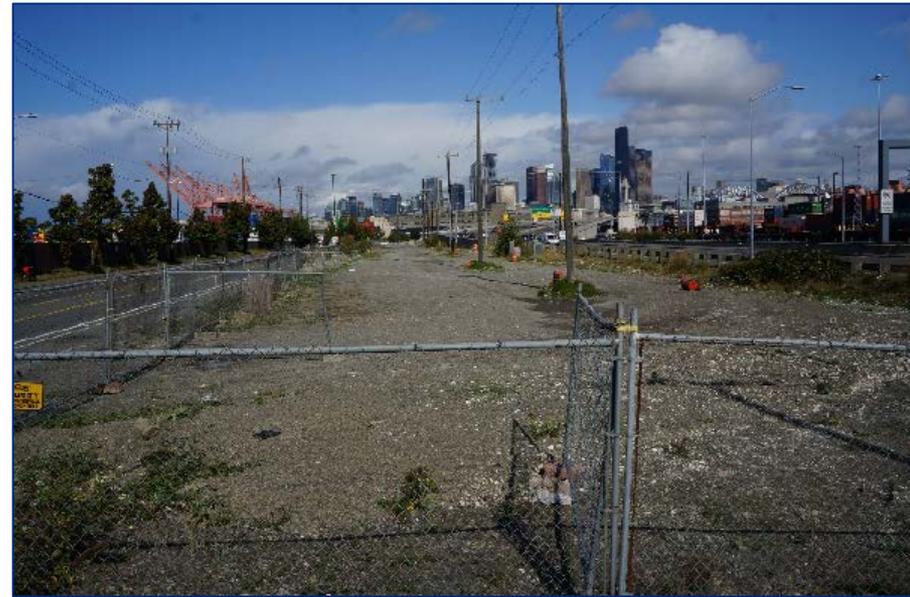


*Under viaduct (south of S Atlantic St)*

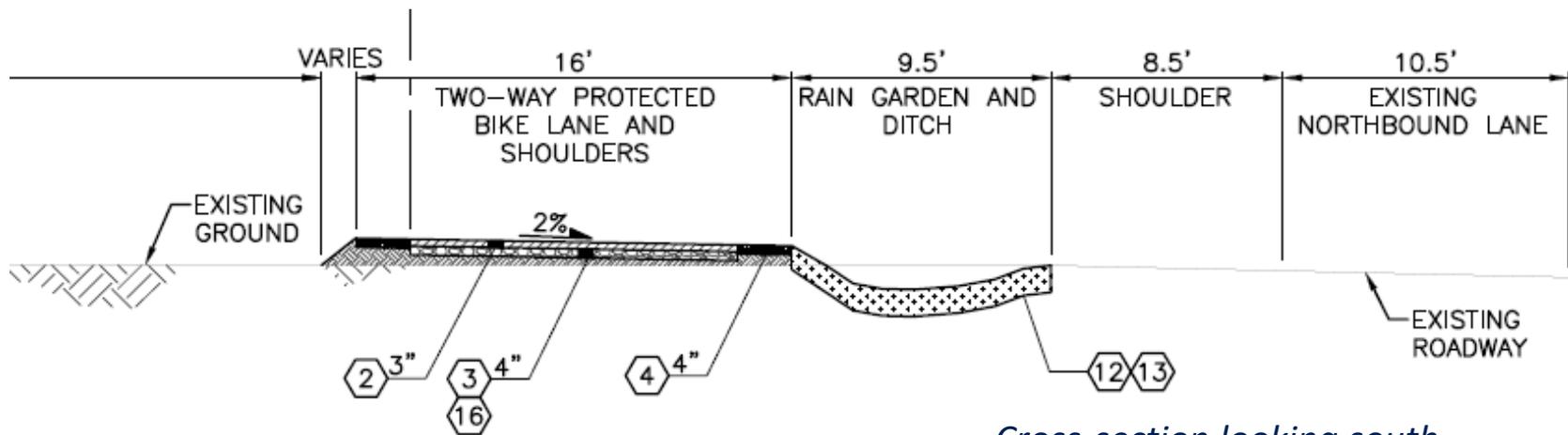


# Phase 1 details

Landscaped separation from the roadway where space is available



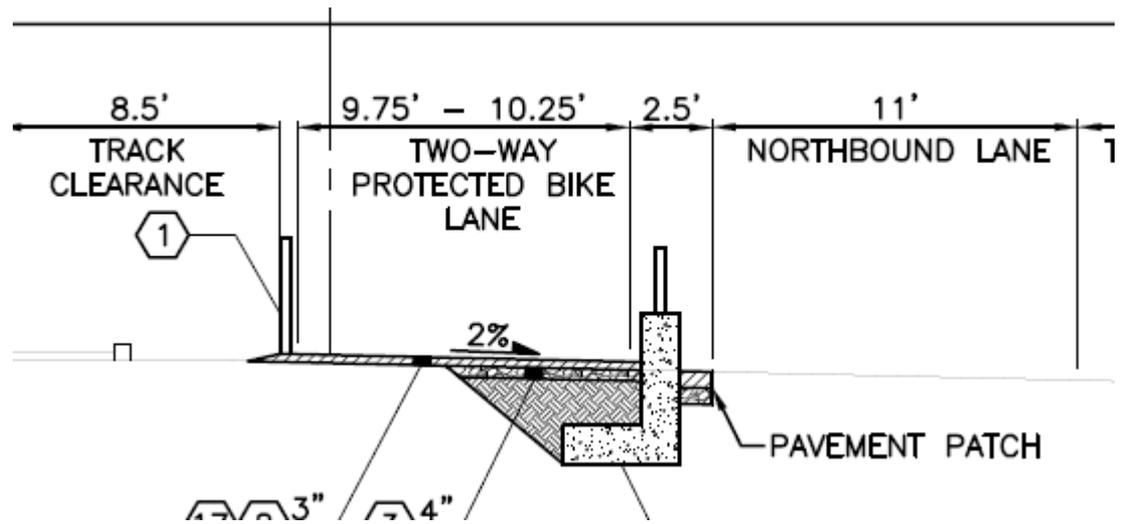
*Looking north: area fenced off for storage*



*Cross-section looking south*

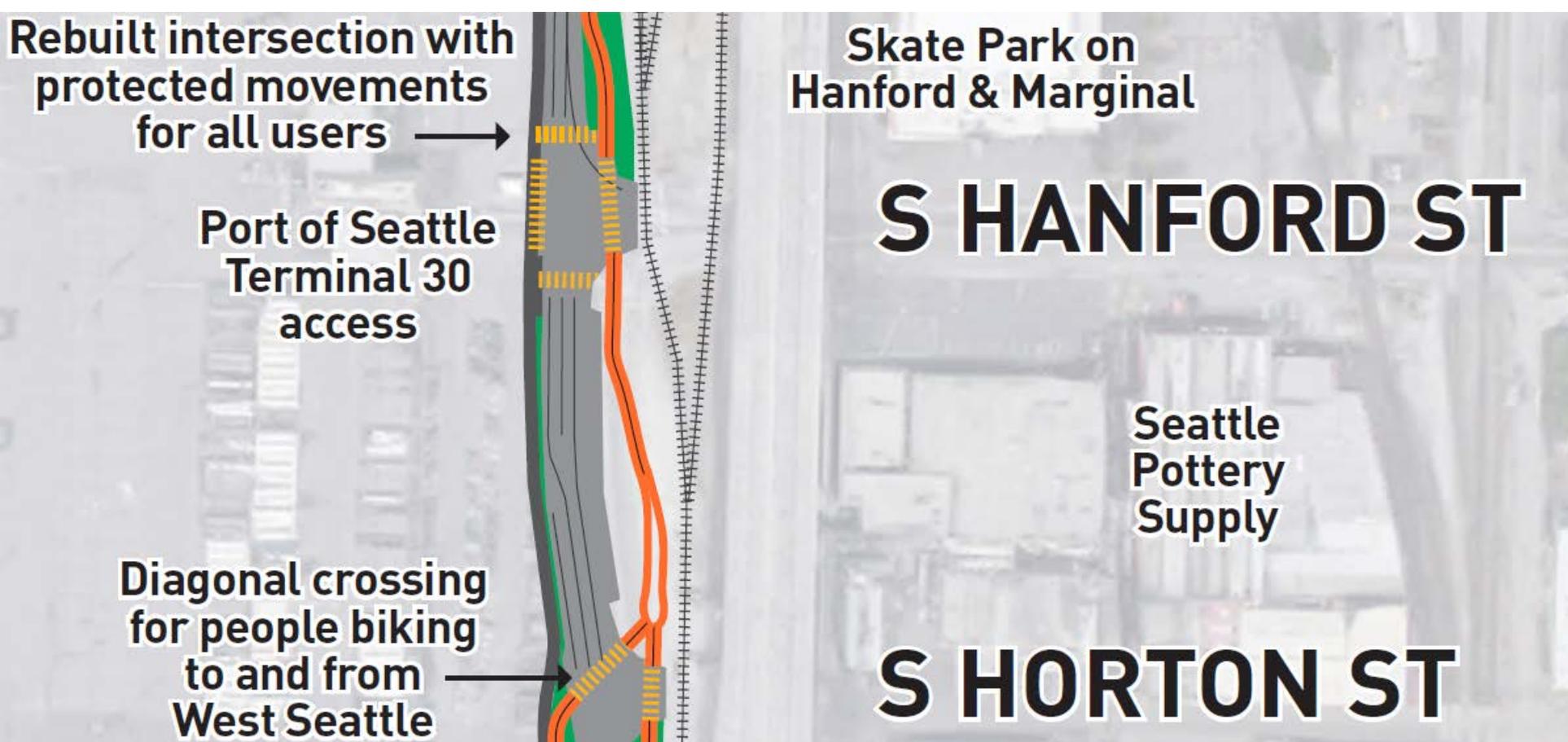
# Phase 1 details

Constrained section  
north of S Hanford St



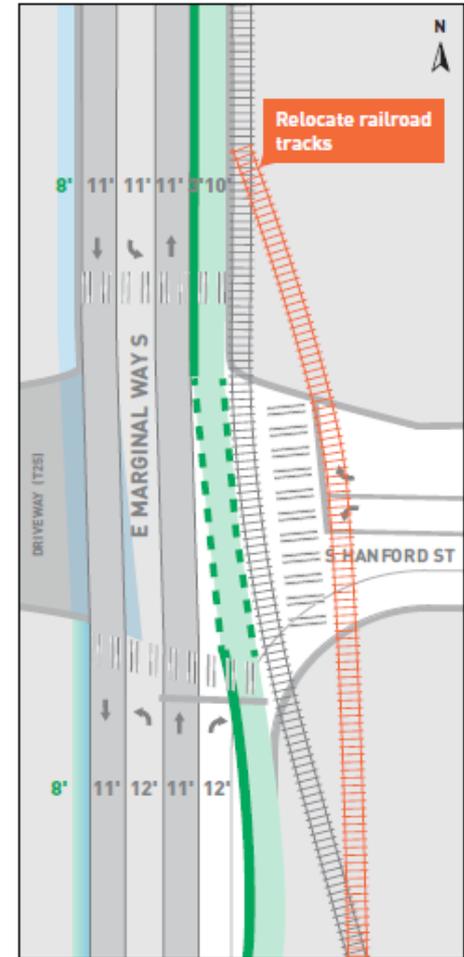
*Cross-section looking south*

# Phase 1: Hanford/Horton overview

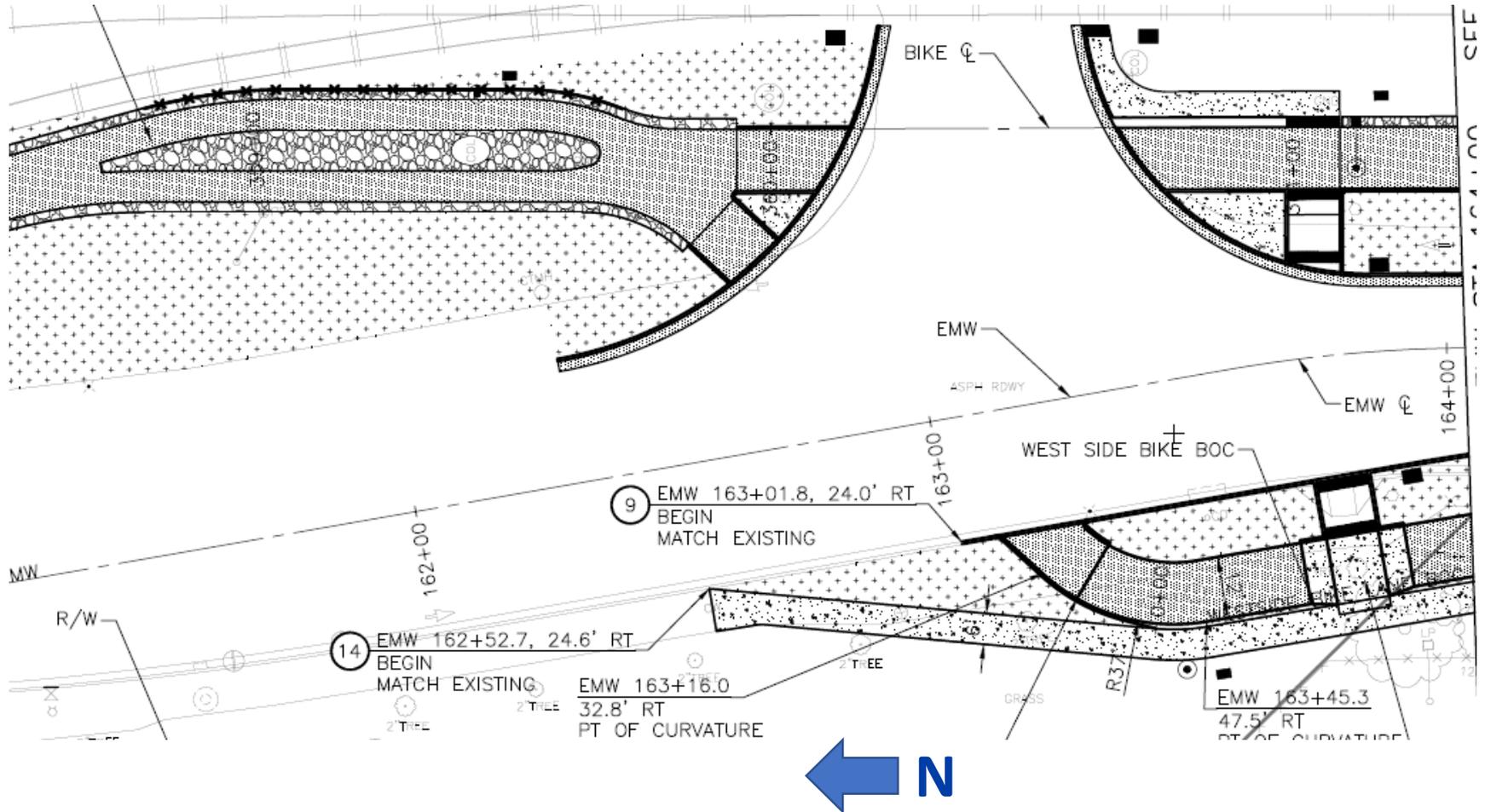


# S Hanford St signal rebuild

- Fully reconstructs traffic signal
- Proposes relocating railroad tracks further east and connecting to signal
- Fully protected turning movements
- Adaptive signal system
- West leg will become roadway (currently is a driveway)



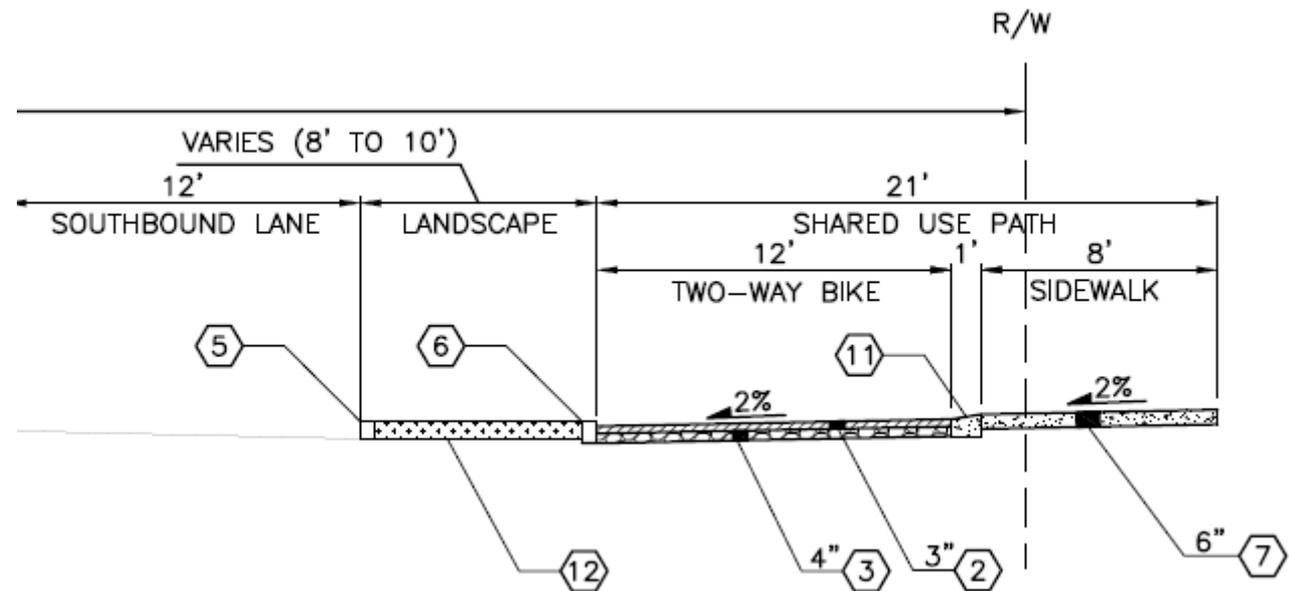
# S Horton St new signal





# Phase 1 details

South of S Horton St, a PBL and a sidewalk where space available



*Cross-section looking south*

# Central Segment

Industrial land uses, but key bicycle connection to local businesses



S Spokane St to  
Duwamish Ave S



# Central Segment



Duwamish Ave S to  
Diagonal Ave S

- Industrial land uses, but key bicycle connection to local businesses
- Construct multi-use trail on west side of roadway

# Project phasing

A phased approach utilizes current secured funding

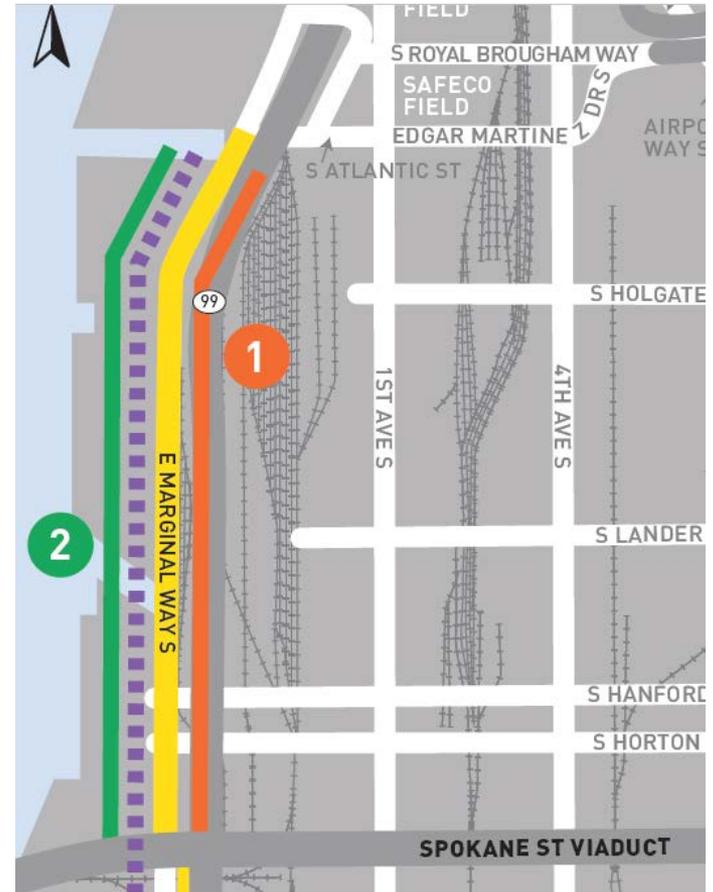
## Phase One

Bicycle facility between S Atlantic St and S Spokane St

- Rebuild signal and relocate railroad track at S Hanford St
- New signal at S Horton St

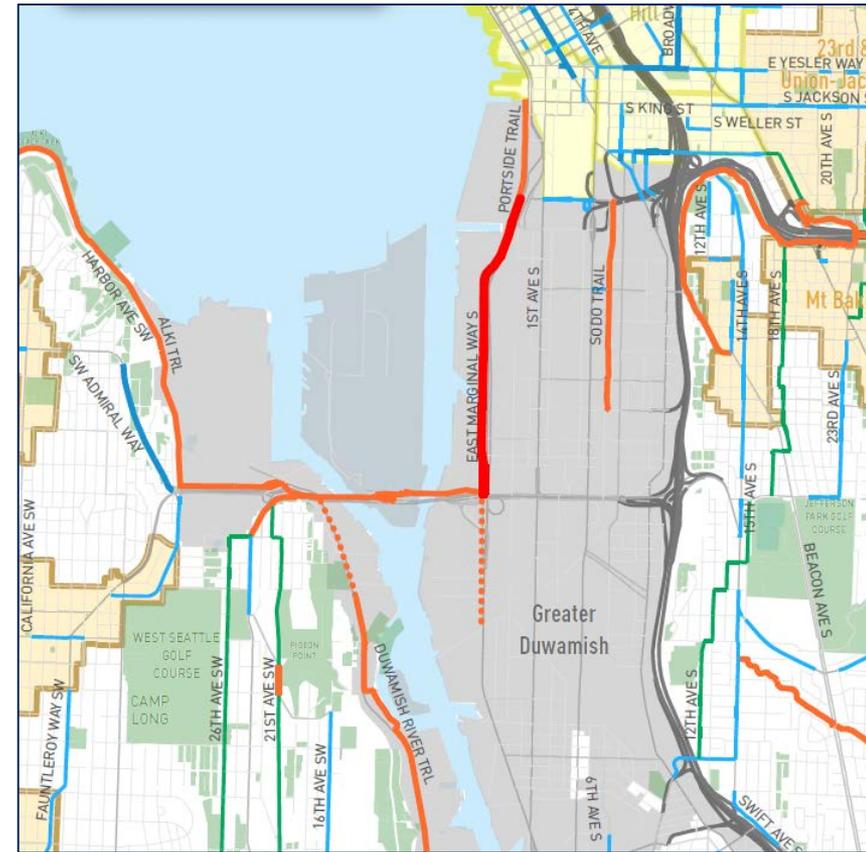
## Phase Two

- Roadway reconstruction to Heavy Haul standards
- Replace west sidewalk
- Water main replacement (SPU)



# Phase 1 value

- Constructs safety improvements
- Connects downtown Seattle to regional bike network
- Rebuilds busiest freight intersection and upgrades signals/detection
- Early implementation of full project



# Schedule

## PHASE 1 SCHEDULE

2015-2016	2017			2018	2019	2020	2021	2022
<ul style="list-style-type: none"> <li>• Data collection</li> <li>• Early design workshops</li> <li>• Preliminary traffic analysis</li> </ul>	<b>SPRING</b> <ul style="list-style-type: none"> <li>• Develop options</li> <li>• Seek input on options</li> </ul>	<b>SUMMER</b> <ul style="list-style-type: none"> <li>• Create preliminary engineering designs</li> </ul>	<b>FALL</b> <ul style="list-style-type: none"> <li>• 10% design complete</li> </ul>	<b>WINTER-SPRING</b> <ul style="list-style-type: none"> <li>• 30% design complete</li> </ul>	<ul style="list-style-type: none"> <li>• Restart design</li> </ul>	<ul style="list-style-type: none"> <li>• Complete design for North and Central segments</li> </ul>	<ul style="list-style-type: none"> <li>• Begin Phase I construction</li> </ul>	<ul style="list-style-type: none"> <li>• Complete Phase I construction</li> </ul>
<b>Online Open House and Survey</b>								

### ONGOING OUTREACH AND ENGAGEMENT



# Upcoming events and next steps

- Tuesday, February 11 – AM station along E Marginal Way
- Wednesday, February 12 – PM station along E Marginal Way
- Design and construct Phase 1
  - 90% design: May 2020
  - Ad: November 2020
  - Construction: as early as March 2021
- Design Phase 2 and the Central Segment
  - 90% design: September 2020



# Public outreach at 60%

- Seeking feedback on:
  - Phase 1 design details
  - Central segment alignment and design details
- Request letter of support for future grant opportunities



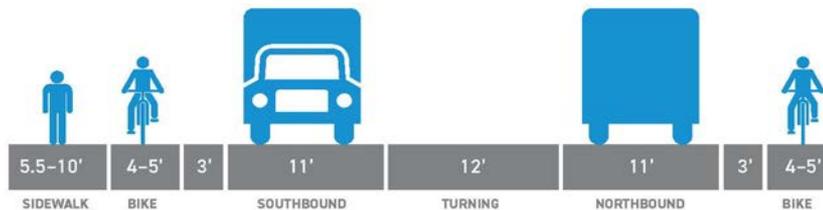
# Questions?

Seattle Department of Transportation  
Megan Hoyt, E Marginal Way Project Manager

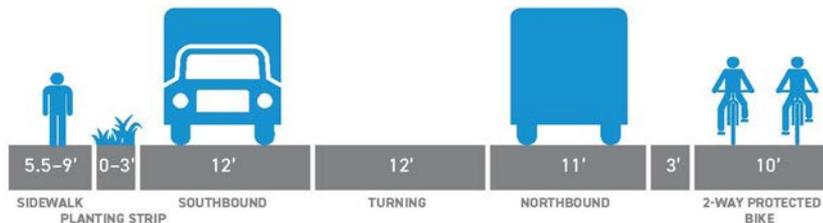
# S Atlantic St - S Hanford St

## Comparison of original options (Spring 2017)

Option 1:  
Enhanced existing



Option 2:  
2-way PBL east side

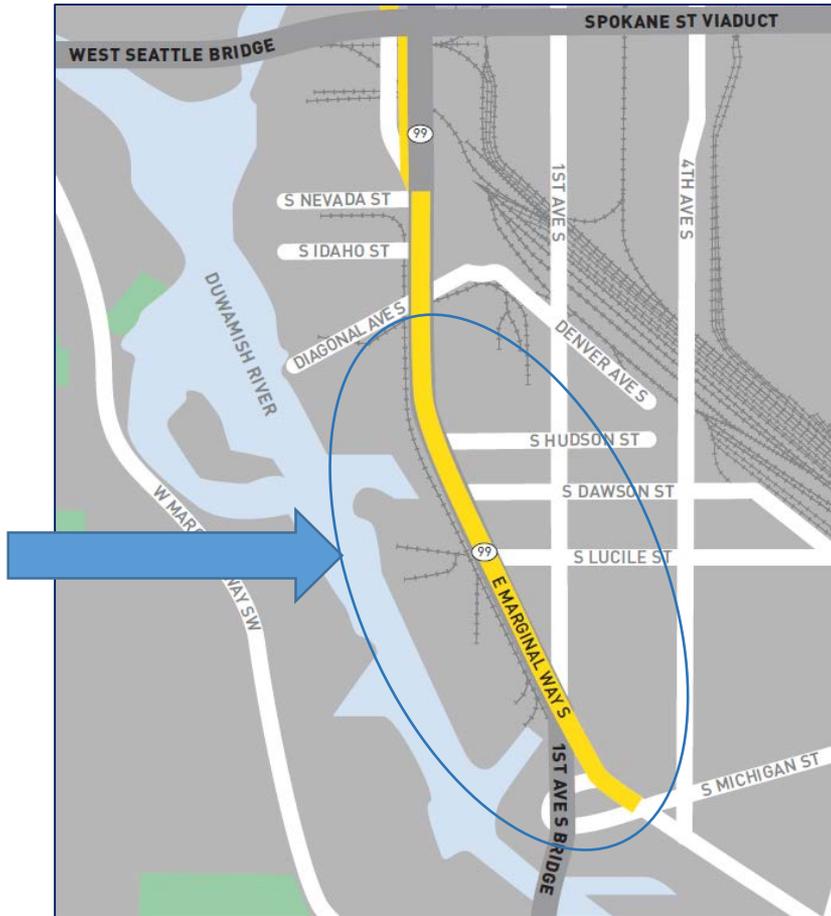


Option 3:  
Multi-use path west side



# South Segment

## Diagonal Ave S to 1 Ave S



- Intermittent sidewalk on east side of street
- Railroad tracks on west side of street
- Little space outside vehicle lanes
- WSDOT regulated