

Transportation CIP Update

May 14, 2018

- Ron Kessack - *Assistant Director*
- Marina Arakelyan - *Capital Program Manager, PM for the Bellevue Way HOV Project*
- Chris Masek - *Engineering Supervisor, PM for the Mountains to Sound Greenway Project*



CIP Update - Agenda

- General update of Transportation capital projects
- As part of the update of the **Mountains to Sound Greenway Project** seek Council concurrence on project savings transfer
- As part of the update of the **Bellevue Way HOV Project**, seek Council direction on advancing design

Challenges

- Project costs are being monitored closely
- Property acquisition continues to be critical path for TIFIA projects

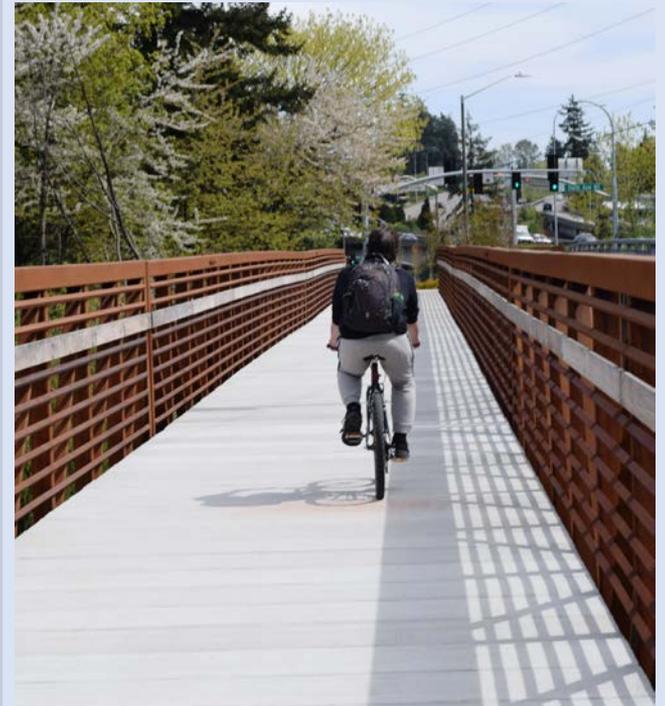


Northup Way Corridor Improvements (PW-R-146)

Project complete!

Remaining funds to be returned to the State: ~\$341,000

REMINDER: May is BICYCLE MONTH and May 18 is BIKE EVERYWHERE DAY!!!



Spring Boulevard Zn-1 – 116th Avenue NE to 120th Avenue NE (PW- R-172)

- Council advanced the funds necessary to build this project ahead of East Link track operations
- Although substantial soil contamination was found were able to deliver the project within the original budget
- Demolition of Delta building for next phase now complete; final phase to begin construction this year



120th Avenue NE – NE 7th to NE 12th Street (PW-R-164) Stage 2

- Project Complete
- Resolution of wall issue in process



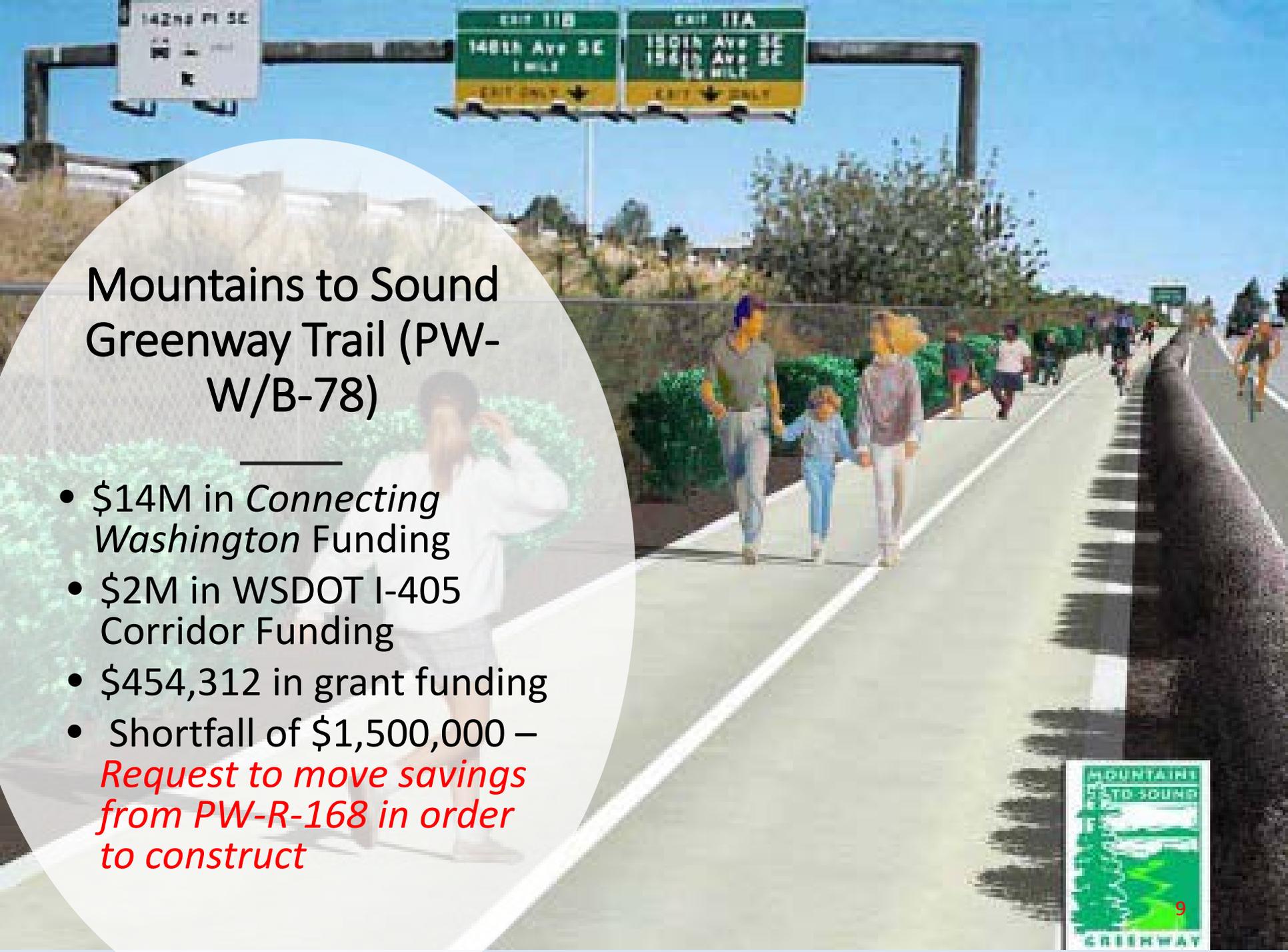
120th Avenue NE – NE 12th Street to Spring Boulevard (PW-R-168) Stage 3

- Project complete
- Cost-shared project between City and Sound Transit - Substantial project savings approximately \$5.2M ...city share approximately \$2,000,000



Mountains to Sound Greenway Trail





Mountains to Sound Greenway Trail (PW- W/B-78)

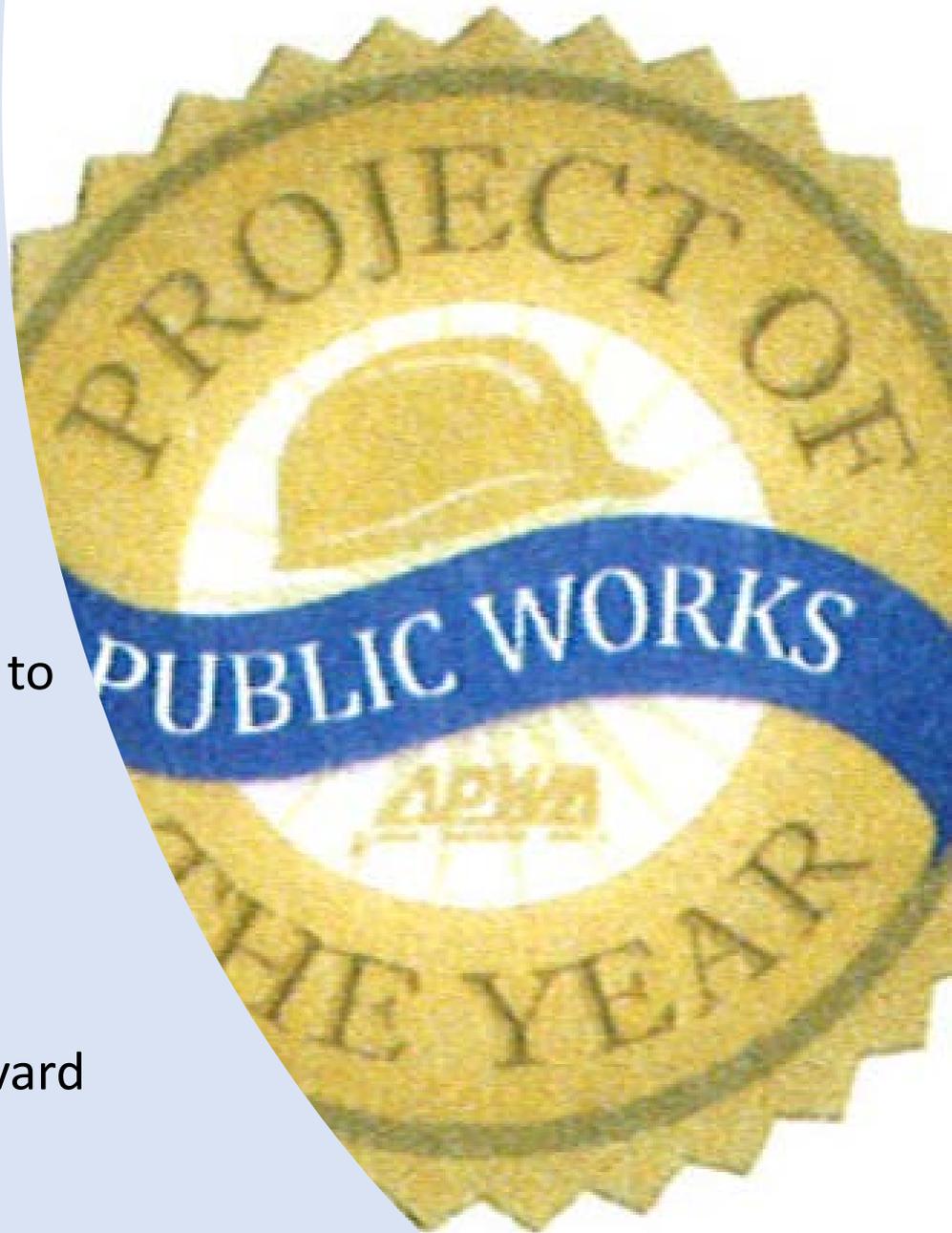
- \$14M in *Connecting Washington* Funding
- \$2M in WSDOT I-405 Corridor Funding
- \$454,312 in grant funding
- Shortfall of \$1,500,000 –
Request to move savings from PW-R-168 in order to construct



APWA Project of the Year Award

Combined Projects of:

- NE 4th Street – 116th Avenue NE to 120th Avenue NE
- 120th Avenue NE –
NE 3rd Street to NE 7th Street
NE 7th Street to NE 12th Street
NE 12th Street to Spring Boulevard



SE Newport Way – Somerset Boulevard to 150th Avenue SE

- Currently at 60%+ design
- Construction in early 2019
- No major issues



TIFIA-Funded Projects

- Spring Boulevard Zone 2 – 120th Avenue NE to 124th Avenue NE
- Spring Boulevard Zone 4 – 130th Avenue NE to 132nd Avenue NE (EB)
- 124th Avenue NE – NE 12th Street to Spring Boulevard
- 124th Avenue NE – Ichigo Way to Northup Way
- 130th Avenue NE – BelRed Road to NE 20th Street

Development concept for TOD around ST maintenance facility



Vision for 130th Ave "Commercial Street"



Spring District looking west towards Downtown Bellevue



Vision for BelRed/130th Ave Station Area



West Lake Sammamish Parkway Phase 2 – SE 200 Block to NE 800 Block

- Currently progressing from 30% design
- Construction 2019



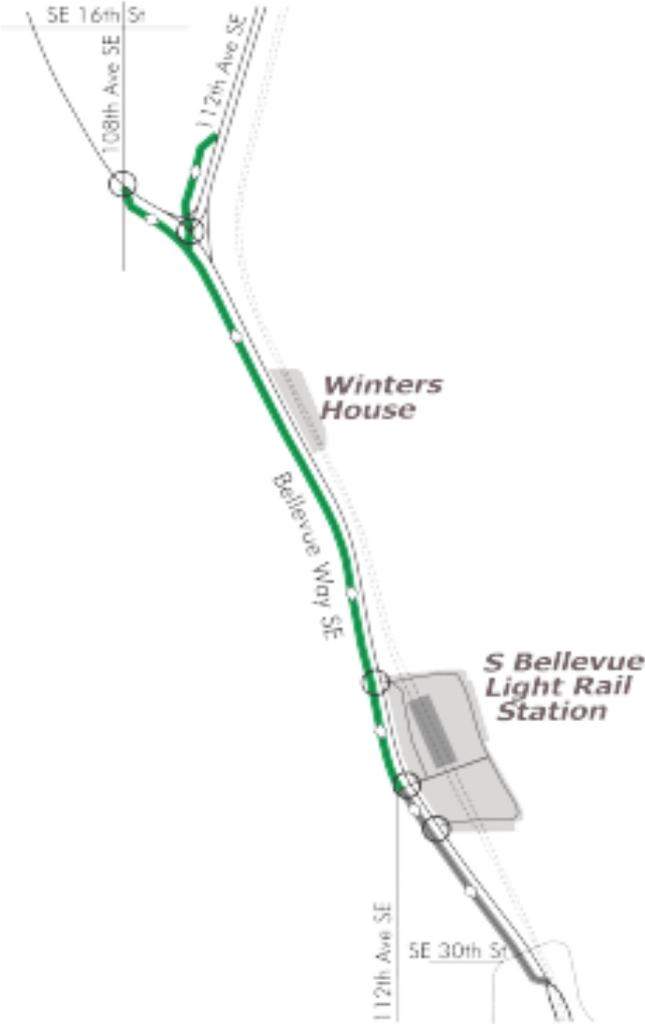
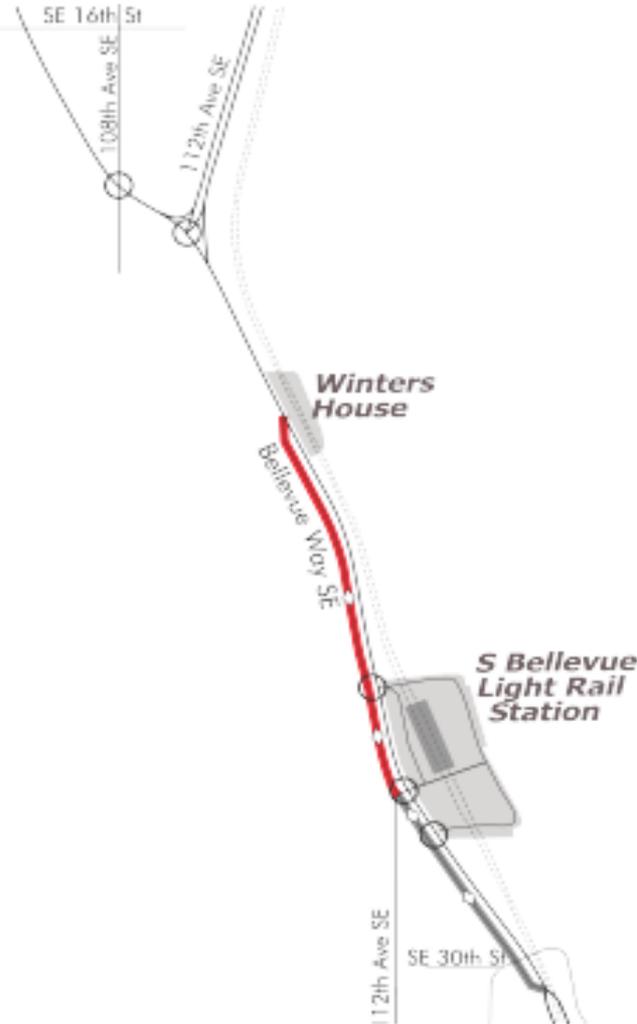
Bellevue Way HOV – 112th Avenue “Y” to I-90 (PW-R-184)

- Project Scope approved by City Council on April 24, 2017
- Advanced 30% design and prepared environmental documentation in fall of 2017
- Developed construction phasing, associated costs and project implementation options
- Developed benefit vs. cost analysis for phased approach
- Collected public feedback on benefit/cost and phased construction in April 2018
 - Supported the staff recommendation? - 50/50 (30 respondents)

Bellevue Way HOV – 112th Avenue “Y” to I-90 (PW-R-184) – Public Involvement

- **Newsletter to introduce the project: March 2016**
- **Small group community briefings: Spring 2016**
- **Public Open House & Online #1: June 2016**
- **Incorporated community feedback: Summer/Fall 2016**
- **City Council update on design options: January 2017**
- **Public Open House & Online #2: January 2017**
- **City Council approved staff preferred option: April 2017**
- **Newsletter to inform Council approval: Spring 2017**
- **Public Open House & Online #3: April 2018**

Bellevue Way HOV – Cost Comparison



HOV To Winters House

\$22,200,000

HOV Full Project

\$34,450,000

Bellevue Way HOV – Performance Comparison

	2015 Existing Conditions	2030 Future Conditions without the project	HOV To Winters House	HOV Full Project
Southbound Throughput from Bellevue Way SE and 112th Ave				
Vehicles	2,303	2,163	2,433	2,469
People	2,665	3,876	4,405	4,496
Travel Time from Bellevue Way SE (Minutes/Vehicle)			Travel Time Savings compared to 2030 Conditions (Minutes/Vehicle)	
SOV	5.6	7.5	-0.9	0.2
HOV	5.6	7.2	-2.5	-3.1
Transit	5.7	6.7	-1.9	-2.7
Travel Time from 112th Ave SE (Minutes/Vehicle)			Travel Time Savings compared to 2030 Conditions (Minutes/Vehicle)	
SOV	7.6	9.9	-0.9	0.9
HOV	7.6	9.5	-2.6	-3.6
Transit	6.2	10.6	-2.2	-3.5

Example: The 2030 future baseline shows that a person traveling south in the HOV lane from 112th Avenue SE would move through the corridor in 9.5 minutes. If the project is constructed to the Winters House, the same trip would be 2.6 minutes faster (and take a total of 6.9 minutes). If the full project were constructed, that same trip would be 3.6 minutes faster (and take a total of 5.9 minutes).

Bellevue Way HOV – Benefit vs Cost Analysis

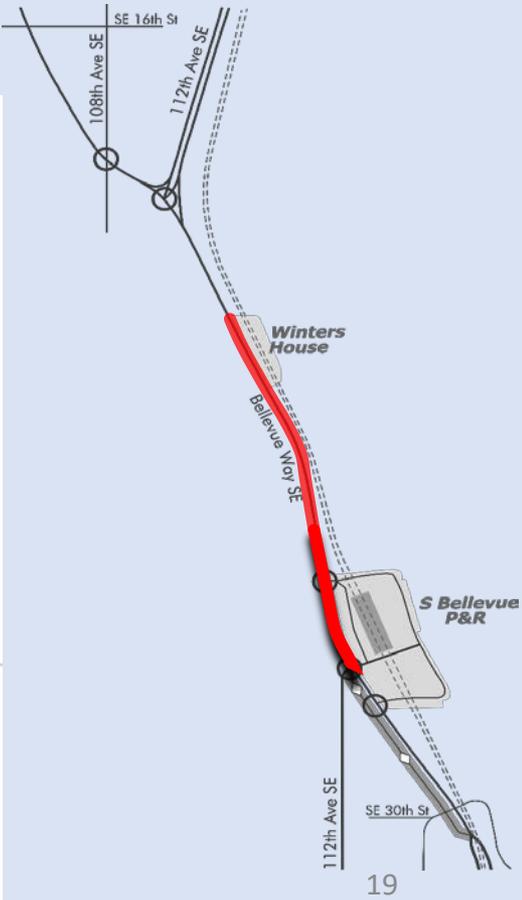
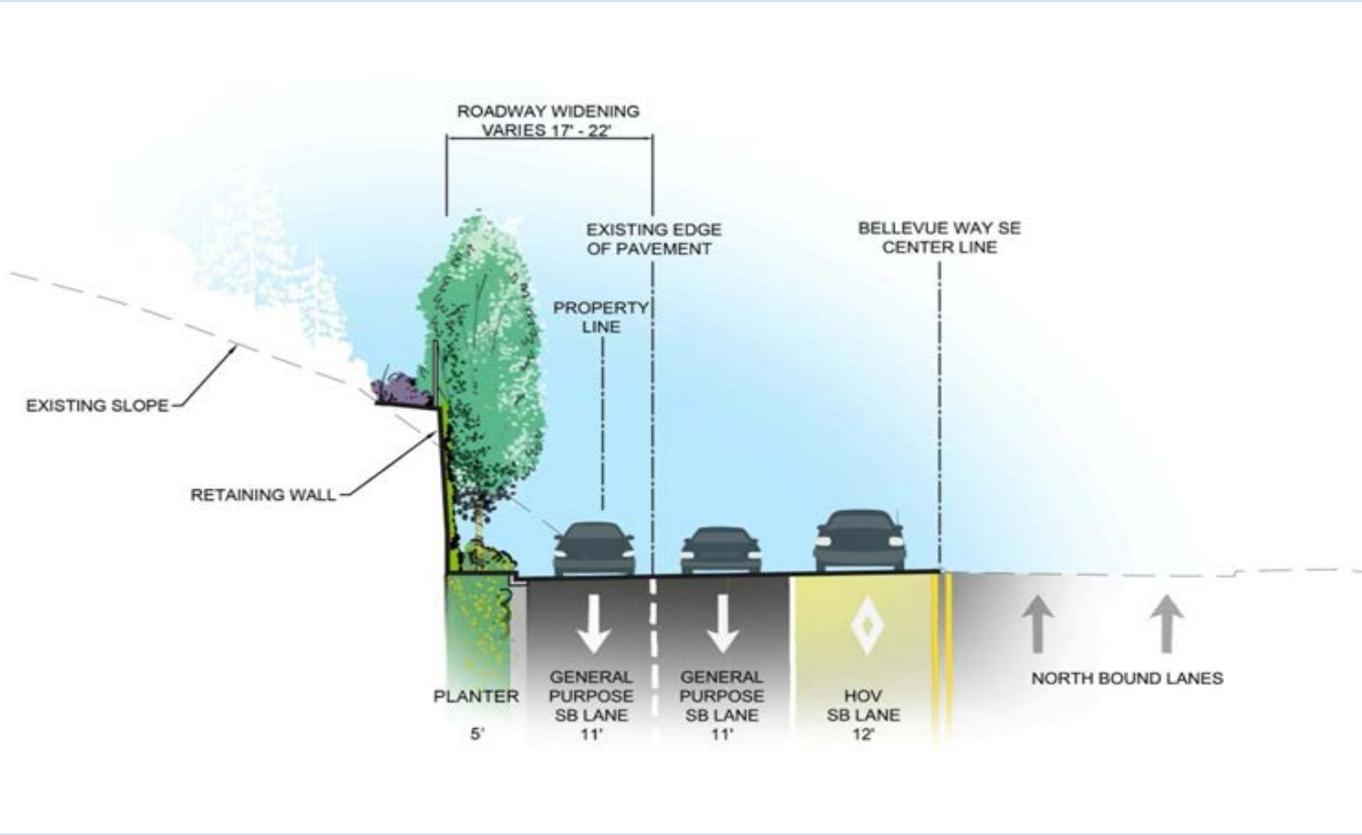
Benefit to Cost Outcome

- Building the first phase of the HOV lane to Winters House achieves the biggest benefit for the cost based on a 10-year duration
- The full project HOV lanes provide more benefit to HOV and transit users and would likely show a greater benefit to cost ratio beyond 2030

	HOV To Winters House	HOV Full Project
Annual Travel Time Savings for All Users over 2030 Baseline	\$2,000,000	\$2,000,000
Project Cost	-\$22,200,000	-\$34,450,000
Benefit to Cost Ratio (larger numbers show more benefit)	0.90	0.58

Bellevue Way HOV – 112th Avenue “Y” to I-90 (PW-R-184)

Staff recommendation: **Full implementation of first phase – construct HOV lane to Winters house funded in 2024-25. Defer design.**



Bellevue Way HOV – 112th Avenue “Y” to I-90 (PW-R-184)

- Seeking concurrence with the staff recommendation on advancing design in 2021-2022 and submitting CIP proposal for funding construction for HOV lane from Park & Ride to the Winters House funded in 2024-2025.

Questions?

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