

# I-405/SR 167 Corridor Program

## Executive Advisory Group

**October 6, 2022**

Julie Meredith, P.E.	WSDOT UMA and Megaprograms Assistant Secretary
Julie Timm	Sound Transit CEO
Lisa Hodgson, P.E., DBIA	WSDOT I-405/SR 167 Program Administrator
April Delchamps	WSDOT Corridor Manager
Ed Barry, P.E.	WSDOT Toll Division Director
Bernard Van de Kamp	Sound Transit East Corridor Development Director
Jason Richter	Office of the State Treasurer Deputy Treasurer

# Agenda

- Welcome
- Public comment
- Introductory remarks, Assistant Secretary Julie Meredith
- I-405/SR 167 corridor updates
  - I-405/SR 167 projects
  - SR 167 Master Plan
  - Sound Transit projects
- I-405/SR 167 financing
  - Traffic and revenue
  - Office of the State Treasurer analysis
- Next steps
- Questions

---

# Public comment

Colin McCann, WSDOT Communications

---

# Introductory remarks

Julie Meredith, WSDOT UMA and Megaprograms Assistant Secretary

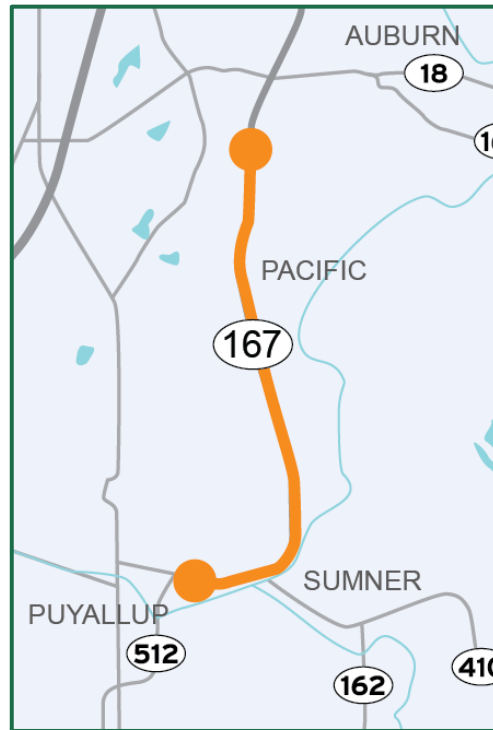
---

# Project updates

Lisa Hodgson, WSDOT I-405/SR 167 Program Administrator

April Delchamps, WSDOT Corridor Manager

# Open: SR 167/SR 410 to SR 18 Northbound Congestion Management Project



Funded by:

Toll Revenue Connecting Washington

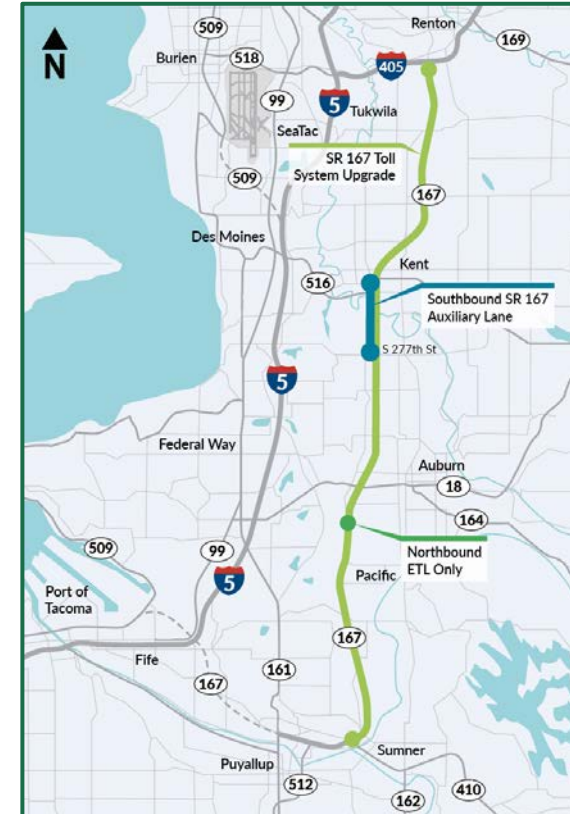
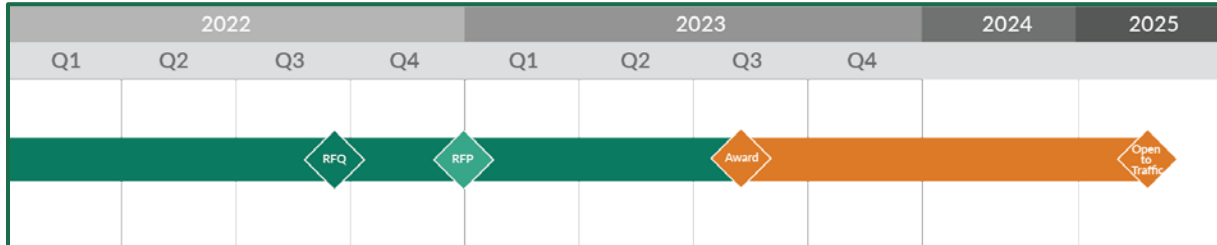


# SR 167 Corridor Improvements Project

## Project overview

- Upgrades SR 167 toll system for management consistency
- Adds strategic capacity by constructing a southbound auxiliary lane including preservation

## Project schedule



Funded by:

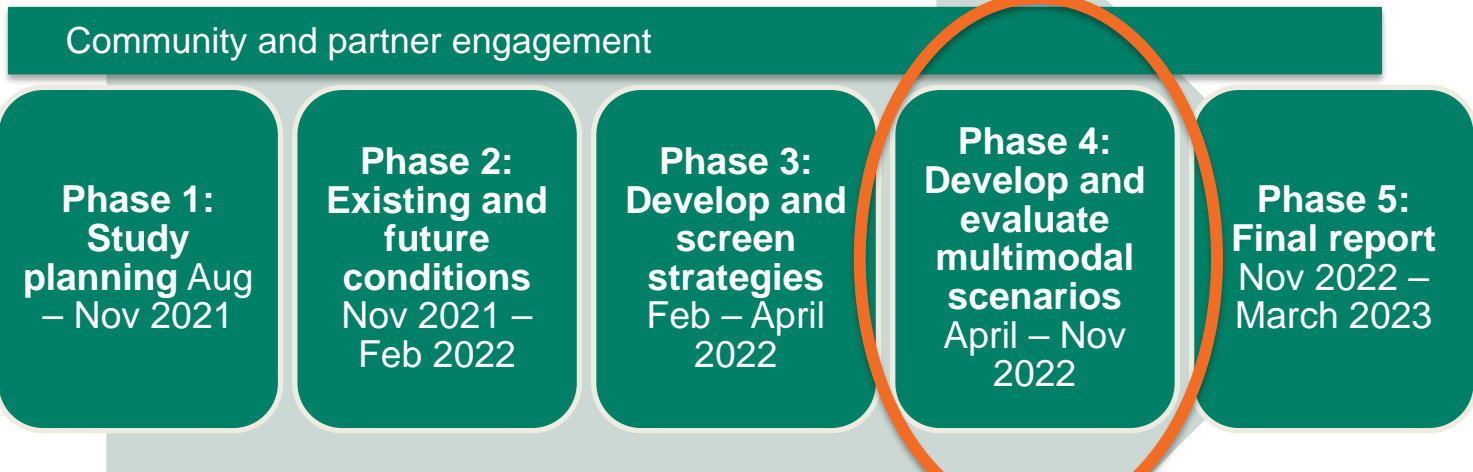
Toll Revenue Move Ahead Washington



# SR 167 Master Plan

A planning and environmental linkage study

## The planning steps



# SR 167 Master Plan

## A planning and environmental linkage study Community engagement update

*Online open house, fairs, festivals, farmer's markets, and equity workshops*

### Online open house:

- June 29 – July 29
- Provide awareness for the Master Plan study and gather input from surrounding communities
- Survey and feedback form
- Available in 7 languages
- Phone in option

### Summer events:

- Kent Cornucopia days: July 8 – 10
- Sumner Rhubarb days: July 9 – 10
- Eastside Tacoma Farmers Market: July 26
- SeaTac Music in the Park: July 26
- Auburn Farmer's Market: August 7
- Milton Days: August 19 – 20
- Skyway Community Health and Safety Fair: August 20



### Co-creation workshops:

In person and hybrid events

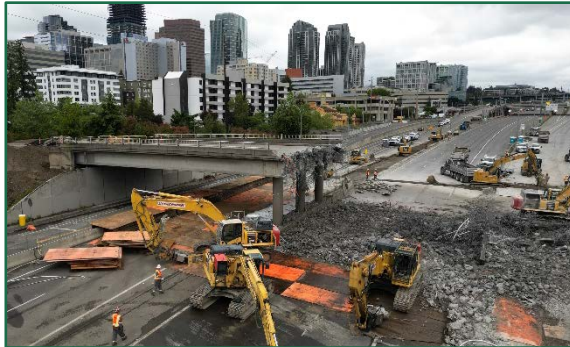
- SeaTac – Aug 26
- Federal Way – Aug 30
- Tukwila – Sept 1
- Kent – Sept. 12
- Puyallup – Sept 13

# I-405/Renton to Bellevue Widening and ETLs Project

## Northeast 44<sup>th</sup> Street Interchange



## Main Street Bridge Replacement



## King County Eastrail



*Main Street Bridge Demolition video:*  
[www.youtube.com/watch?v=mF78wx9NMeA&feature=emb\\_title](http://www.youtube.com/watch?v=mF78wx9NMeA&feature=emb_title)



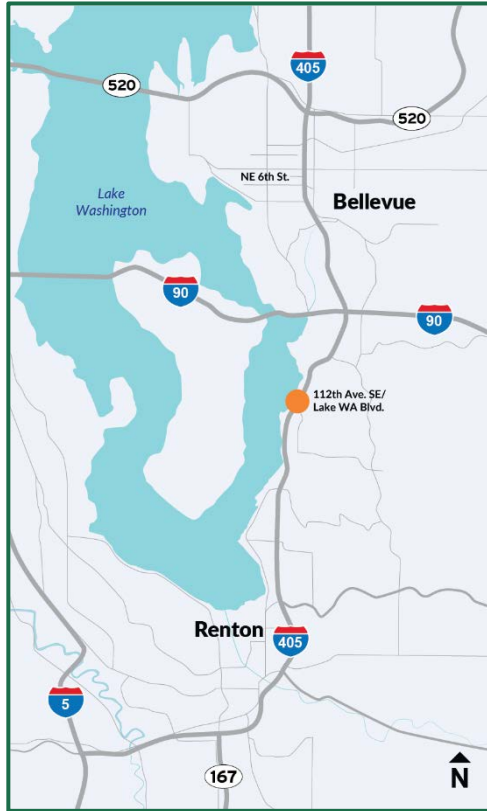
Project supports Sound Transit's I-405 BRT

Funded by:

Connecting Washington Sound Transit



# Lakehurst Creek emergency repair work



Funded by:  
Connecting  
Washington

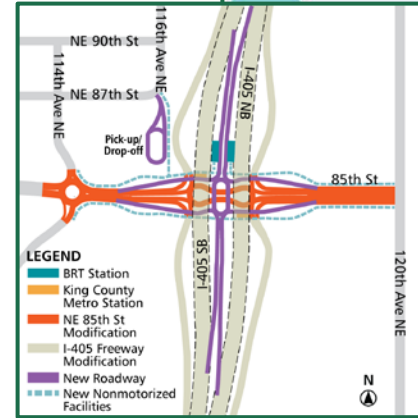
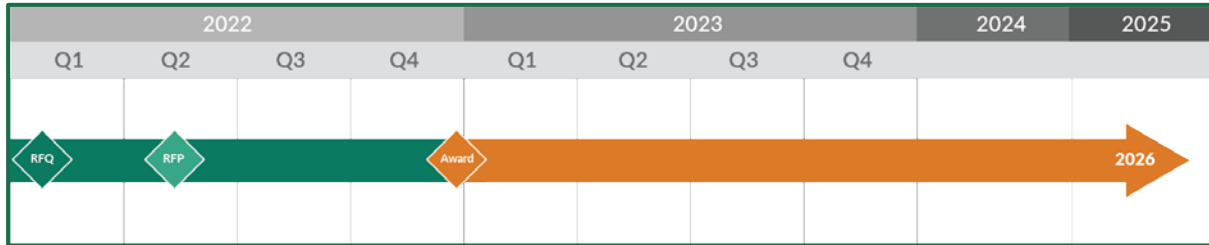
# I-405/NE 85th Street Interchange and Inline Bus Rapid Transit (BRT) Station Project

## Project overview

- Constructs a three-level interchange with BRT station, ETL direct access ramps, and local improvements
- Provides trail, pedestrian, and bike improvements
- Addresses fish barriers

## Project schedule

- Shortlisted teams in May 2022
- Opening bids in November 2022



Funded by:

Sound Transit Toll Revenue



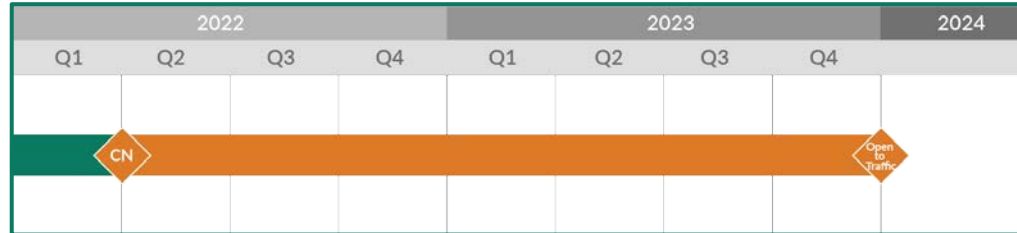
Project supports Sound Transit's I-405 BRT

# I-405/NE 132nd Street Interchange Project

## Project overview

- Provides access improvements by building new half-diamond interchange
- Replaces signals with roundabouts and adds pedestrian and bike infrastructure
- Corrects fish barrier creating over 3,000 feet of upstream habitat gain

## Project schedule



May 2022 groundbreaking video: [www.youtube.com/watch?v=Chh0XwBd2I4](https://www.youtube.com/watch?v=Chh0XwBd2I4)

Funded by:

Connecting Washington



Wood placement is a critical step in the fish barrier correction process

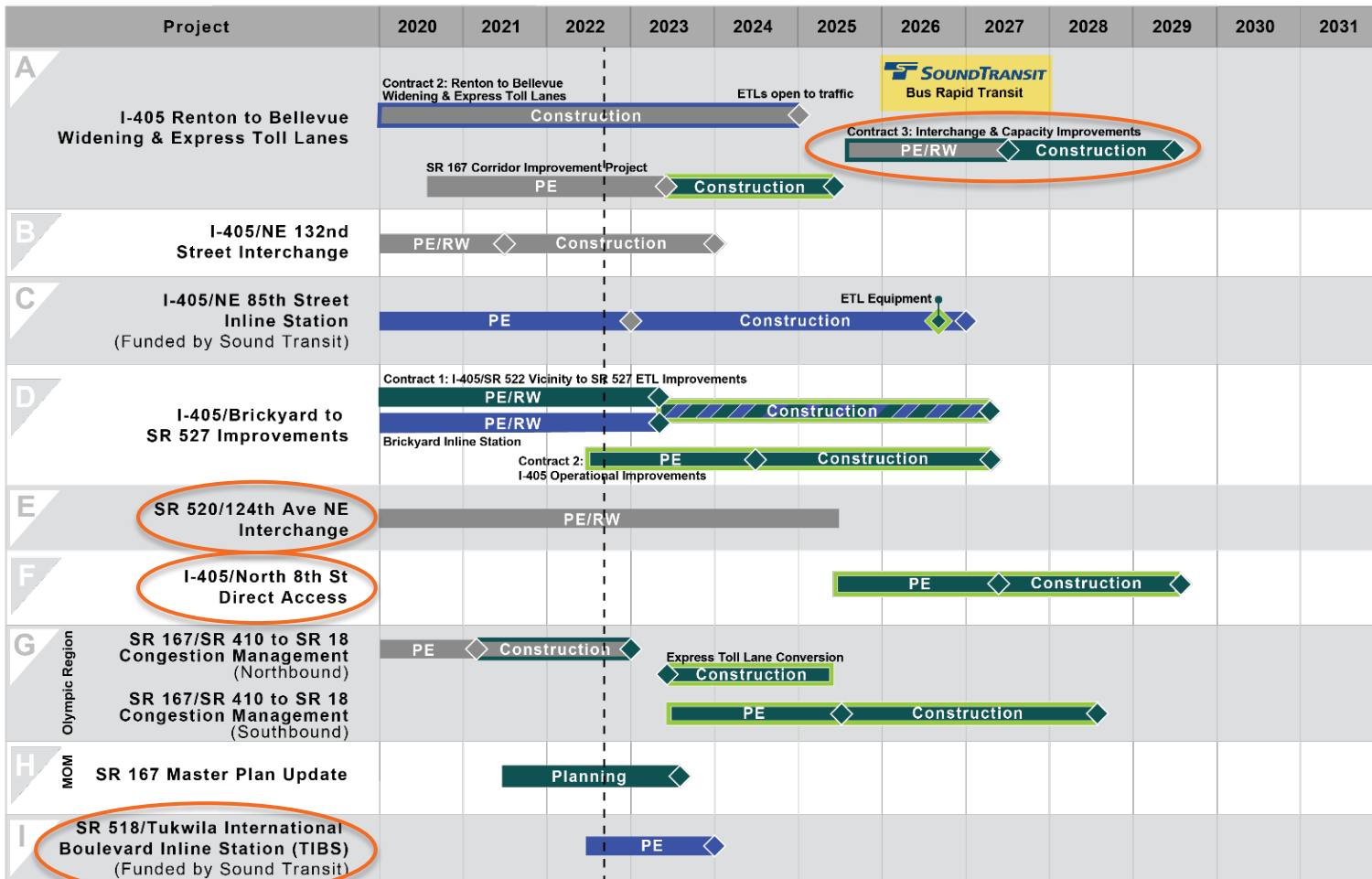


Construction is underway on a northbound onramp to I-405 at the intersection of 132nd Street and Totem Lake Boulevard



Funding Sources

- Connecting Washington
- Move Ahead Washington
- Toll Revenue
- Sound Transit





# ***Stride Bus Rapid Transit***

*Program Update*

*I-405/SR 167 Executive Advisory Group*

*10/06/2022*



# *Why we are here*

- Stride Program Overview
- Program Elements
- Look ahead and next steps

# *Stride Program*

# Stride Bus Rapid Transit Opens 2026-2027

**S1 Line:** Bellevue to Burien

**S2 Line:** Bellevue to Lynnwood

**S3 Line:** Shoreline to Bothell

- Connects to Link light rail in Shoreline, Lynnwood, Bellevue and Tukwila
- Limited-stop service in the I-405, SR 522 and SR 518 corridors

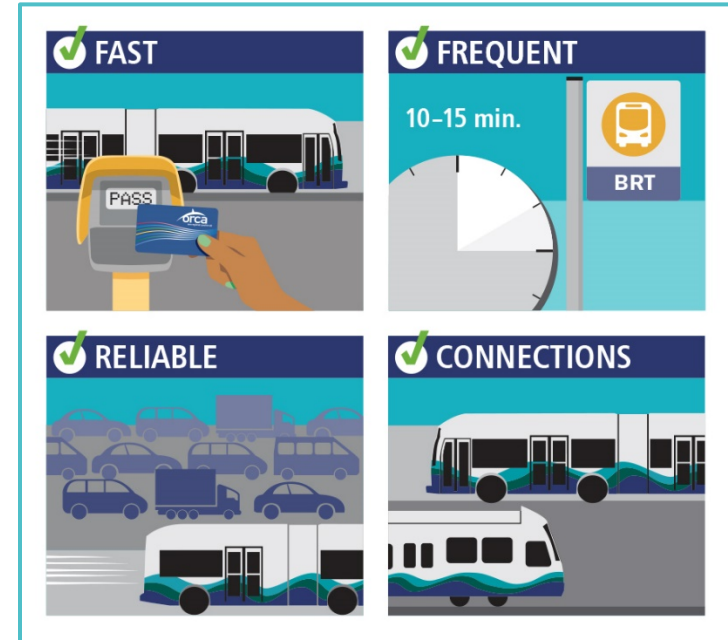


# *Stride Program Elements*

# ***BRT: Fast, frequent, reliable service***

## ***I-405 BRT infrastructure designed for fast, frequent and reliable service***

- 10-minute peak, 15-minute off-peak headways for I-405 BRT
- Up to 19 hours of service Monday through Saturday
- Up to 17 hours on Sunday



# Stride Fleet and Stations

- State of the art passenger information
- Offboard fare payment, except for cash
- Bicycle accommodations: front racks on the bus & storage at select stations
- Currently evaluating double-decker propulsion options



S1 & S2 (I-405)



Double-deck buses for highway service

S3 (SR 522)



Articulated battery electric buses for shorter arterial route

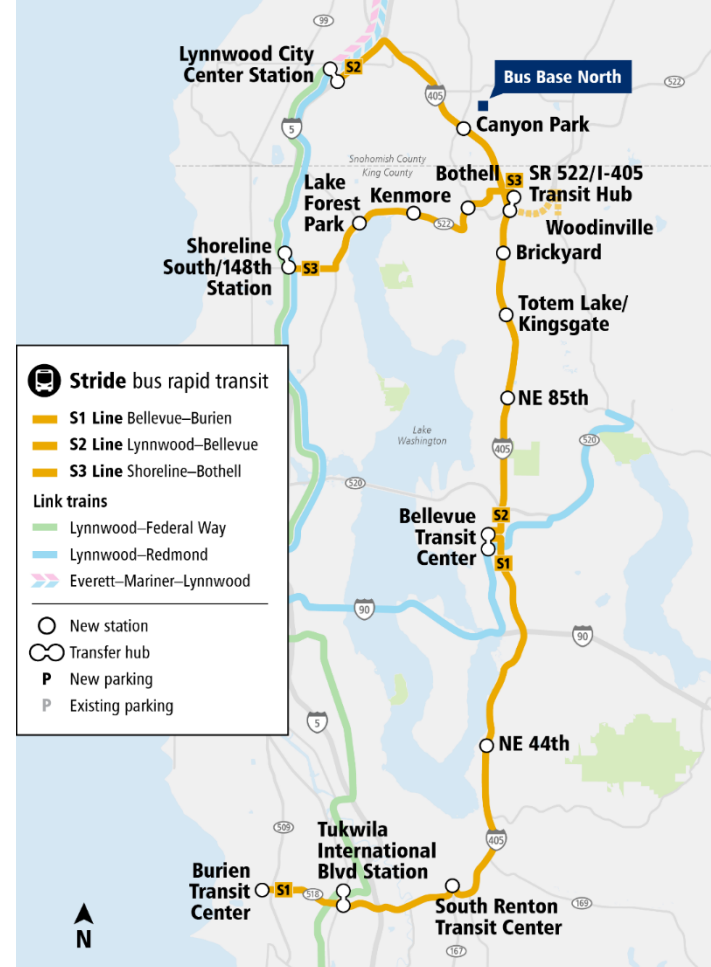
# *Program Readiness*



# Stride Program Readiness

## Formal project definition

- ✓ Environmental complete
- ✓ Scope refined through preliminary engineering
- ✓ Board approved Project to be Built in late 2021
  - Board direction on program budget and schedule approval expected in early 2023



# *Partnerships*

# I-405: Partnered Investment Benefits

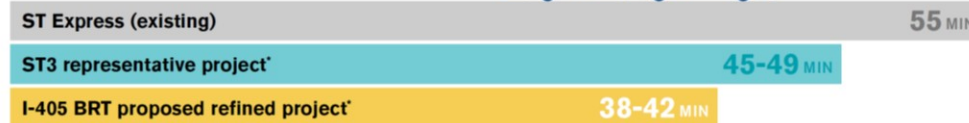
Stride BRT to travel exclusively in Express Toll Lanes for a majority of the corridor

## AM peak hour travel times to Bellevue

### North Line – Lynnwood to Bellevue



### South Line – Burien to Bellevue



\*Preliminary travel time estimates for planning purposes, subject to change. Existing travel times are average times. Year 2025 estimates assume new express toll lanes are open between Renton to Bellevue. Updated information will be provided prior to beginning service.

# Partnerships and Agreements



- Partnerships with WSDOT at Stride stations
- City partnered delivery approaches
  - Kirkland
  - Renton
  - Bothell

# *Capital Program – 2022 look ahead*

- Complete 60%+ design
- Secure remaining ROW authority from Board
- Continued "early work"
- Third party agreements: KCM, Bothell
- Value engineering and QRA
- Continue to identify acceleration strategies
- Baseline

*Thank you.*



 [soundtransit.org](https://www.soundtransit.org)



---

# Traffic and revenue updates

Lisa Hodgson, WSDOT I-405/SR 167 Program Administrator

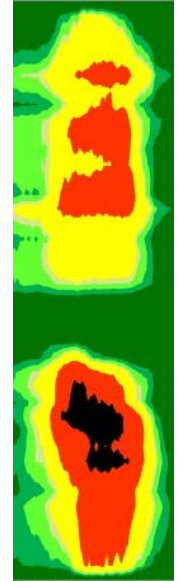
Ed Barry, WSDOT Toll Division Director

Jason Richter, Office of the State Treasurer Deputy Treasurer

# SR 167 Puyallup to Renton Heatmaps – Peak Period (Average Weekdays)

## Southbound PM

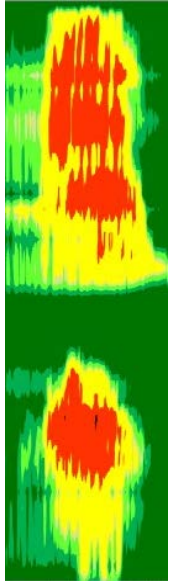
General Purpose



12:00  
14:00  
16:00  
18:00  
20:00

**Pre-COVID**  
03/2019  
to  
02/2020

HOT Lane



12:00  
14:00  
16:00  
18:00  
20:00

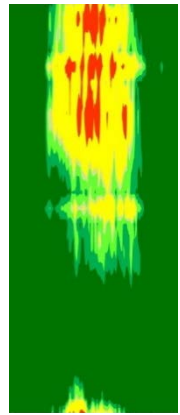
**Current**  
09/12/2022  
to  
09/16/2022

HOT Lane



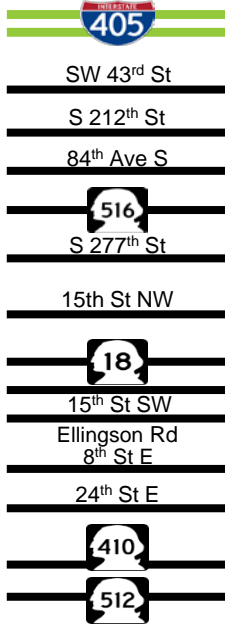
12:00  
14:00  
16:00  
18:00  
20:00

**Pre-COVID**  
03/2019  
to  
02/2020

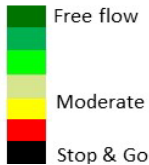


12:00  
14:00  
16:00  
18:00  
20:00

**Current**  
09/12/2022  
to  
09/16/2022

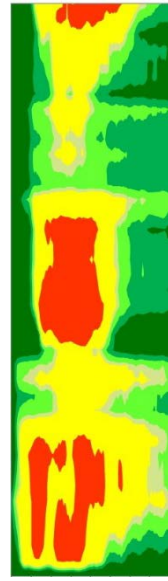


### Congestion



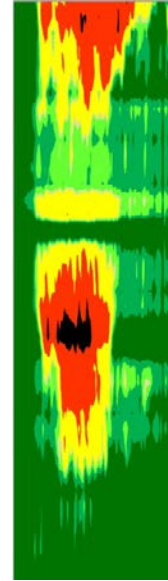
## Northbound AM

General Purpose



4:00  
6:00  
8:00  
10:00  
12:00

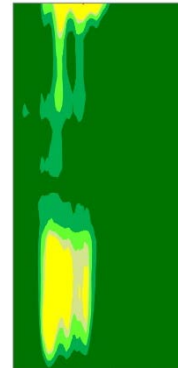
**Pre-COVID**  
03/2019  
to  
02/2020



4:00  
6:00  
8:00  
10:00  
12:00

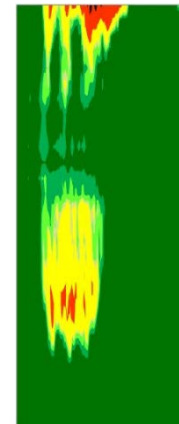
**Current**  
09/12/2022  
to  
09/16/2022

HOT Lane



4:00  
6:00  
8:00  
10:00  
12:00

**Pre-COVID**  
03/2019  
to  
02/2020



4:00  
6:00  
8:00  
10:00  
12:00

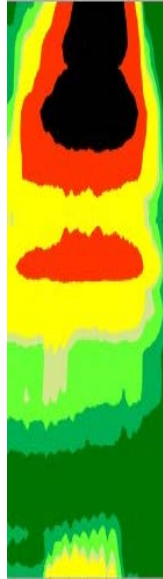
**Current**  
09/12/2022  
to  
09/16/2022



# I-405 Renton to Bellevue Heatmaps - Peak Period (Average Weekdays)

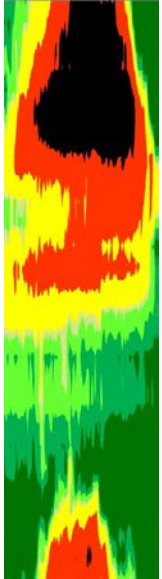
## Southbound PM

General Purpose

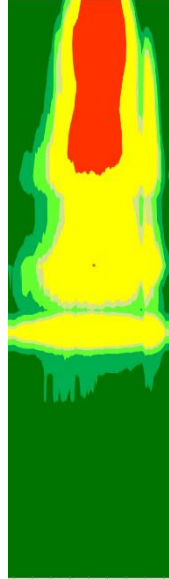


12:00  
14:00  
16:00  
18:00  
20:00

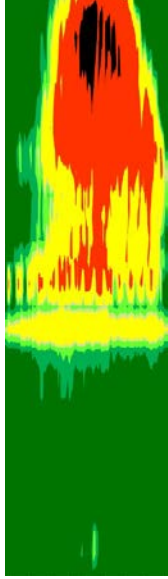
HOV Lane



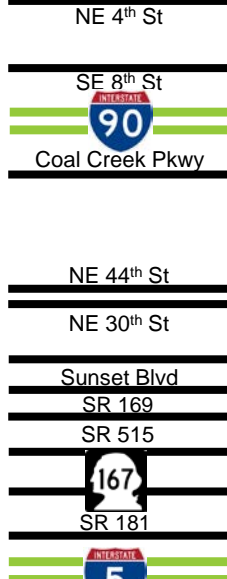
12:00  
14:00  
16:00  
18:00  
20:00



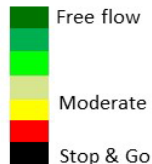
12:00  
14:00  
16:00  
18:00  
20:00



12:00  
14:00  
16:00  
18:00  
20:00



**Congestion**



**Pre-COVID**

03/2019  
to  
02/2020

**Current**

09/12/2022  
to  
09/16/2022

**Pre-COVID**

03/2019  
to  
02/2020

**Current**

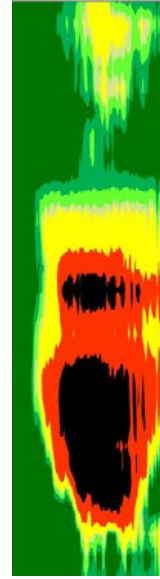
09/12/2022  
to  
09/16/2022

## Northbound AM

General Purpose



4:00  
6:00  
8:00  
10:00  
12:00

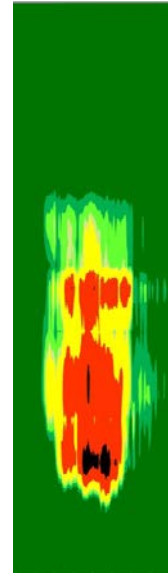


4:00  
6:00  
8:00  
10:00  
12:00

HOV Lane



4:00  
6:00  
8:00  
10:00  
12:00



4:00  
6:00  
8:00  
10:00  
12:00

**Pre-COVID**

03/2019  
to  
02/2020

**Current**

09/12/2022  
to  
09/16/2022

**Pre-COVID**

03/2019  
to  
02/2020

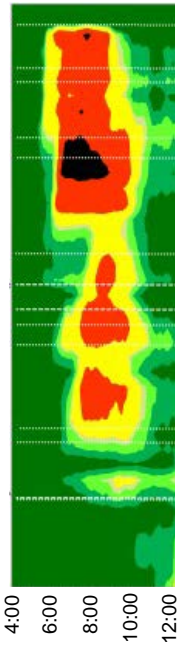
**Current**

09/12/2022  
to  
09/16/2022

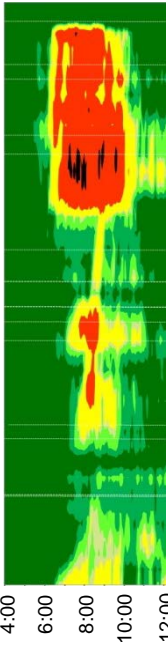
# I-405 Bellevue to Lynnwood Heatmaps – Peak Period (Average Weekdays)

## Southbound AM

General Purpose

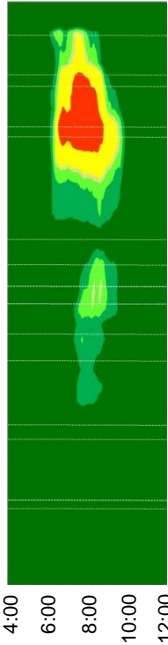


**Pre-COVID**  
03/2019  
to  
02/2020

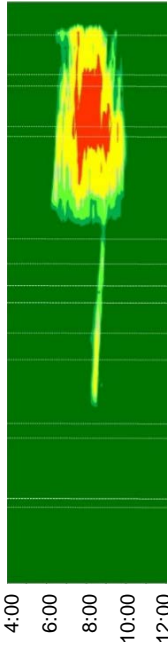


**Current**  
09/12/2022  
to  
09/16/2022

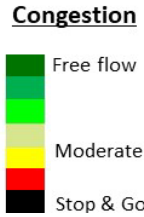
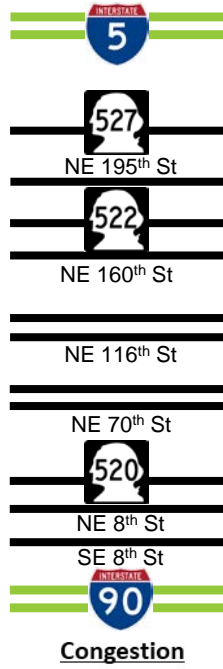
Express Toll Lanes



**Pre-COVID**  
03/2019  
to  
02/2020

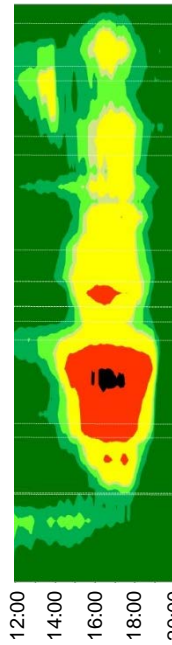


**Current**  
09/12/2022  
to  
09/16/2022

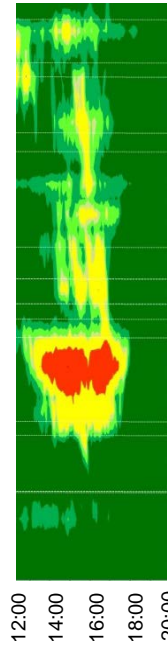


## Northbound PM

General Purpose



**Pre-COVID**  
03/2019  
to  
02/2020



**Current**  
09/12/2022  
to  
09/16/2022

Express Toll Lanes



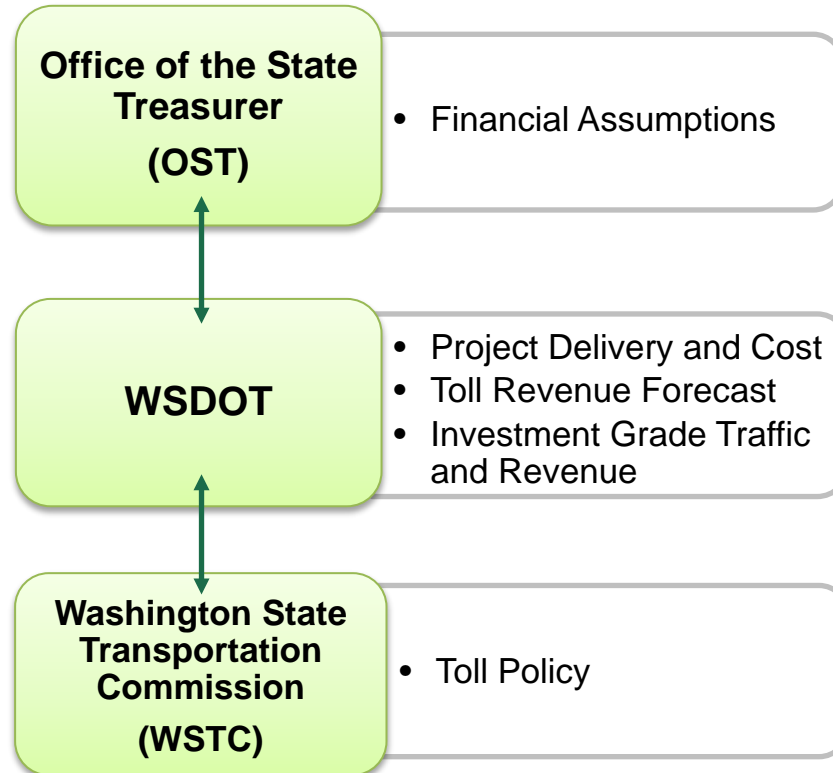
**Pre-COVID**  
03/2019  
to  
02/2020



**Current**  
09/12/2022  
to  
09/16/2022

# Key partners and assumptions

With the funding provided by the Legislature, WSDOT and its partners must consider a number of assumptions throughout the financing process.



# Scenario assumptions for OST analysis

	Cashflow	Project Delivery		Toll Policy (to be set by WSTC)
<b>Current Law: 2022 Enacted Budget</b>	Current Law	SR 167 Toll Upgrade SR 522 to 527 Renton to Bellevue	2025 2026 2024	3,3,3 Existing cap
<b>Scenario II*: Shift in Project Delivery</b>	<b>Adjusted Cashflow</b>	SR 167 Toll Upgrade <b>SR 522 to 527</b> Renton to Bellevue	2025 <b>2027</b> <b>2025</b>	3,3,3 Existing cap
<b>Scenario IV*: Higher Cap</b>	Adjusted Cashflow	SR 167 Toll Upgrade SR 522 to 527 Renton to Bellevue	2025 2027 2025	3,3,3 <b>Higher cap</b>

\*Scenarios are for discussion purposes only and will be used to inform future financial planning efforts.

**These scenarios are a snapshot in time based on the following assumptions:**

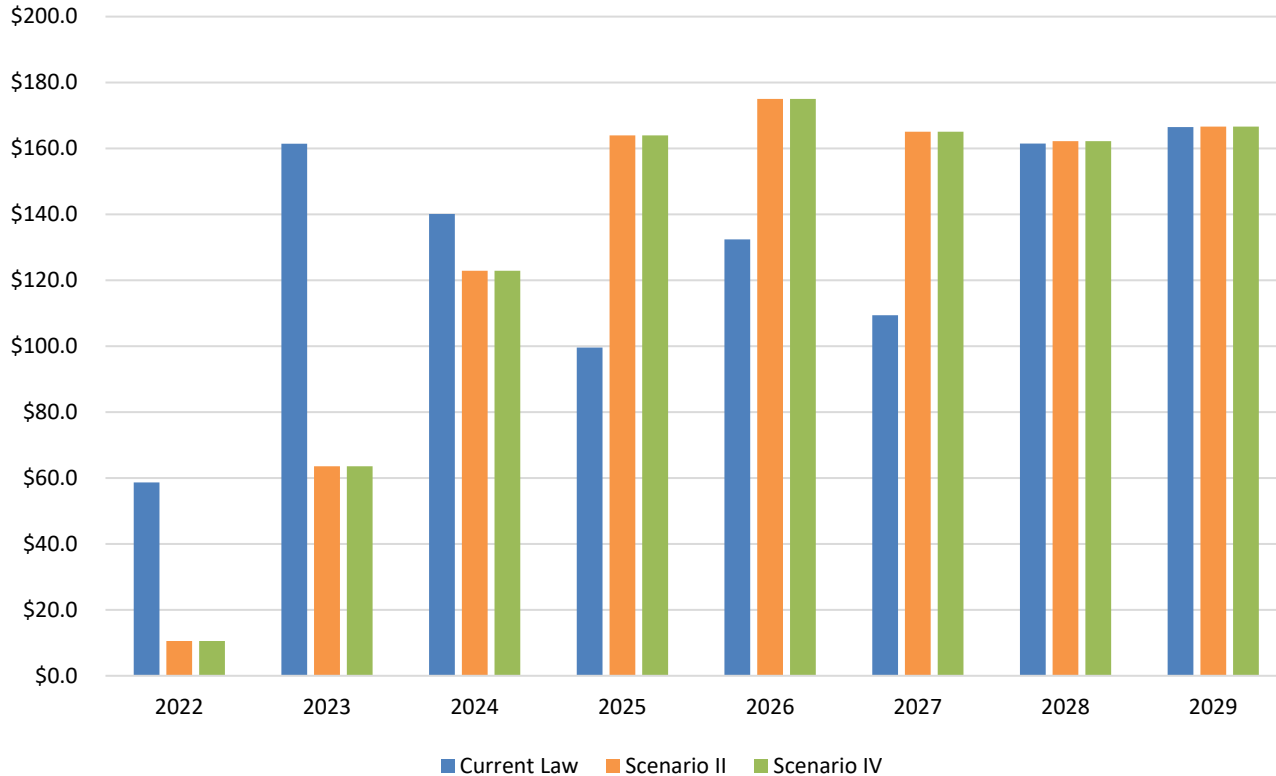
- ✓ Project Delivery
- ✓ Financial Terms
- ✓ Toll Policy
- ✓ Project Cost
- ✓ Toll Revenue Forecast
- ✓ Investment Grade Traffic & Revenue

# Summary of Financing Results

	<b>Current Law</b>	<b>Scenario II</b>	<b>Scenario IV</b>
<u>Funding Need</u>	<u>\$ 1,029,694,581</u>	<u>\$ 1,030,058,570</u>	<u>\$ 1,030,058,570</u>
Paygo (Appropriations)*	\$ 301,300,000	\$ 301,300,000	\$ 301,300,000
Paygo (Toll Revenue)	241,861,581	204,753,839	212,753,839
<u>Bond Proceeds</u>	<u>486,533,000</u>	<u>524,004,731</u>	<u>516,004,731</u>
<u>Total</u>	<u>\$ 1,029,694,581</u>	<u>\$ 1,030,058,570</u>	<u>\$ 1,030,058,570</u>
Funding Gap	-	-	-
% of Funds Delivered	100%	100%	100%

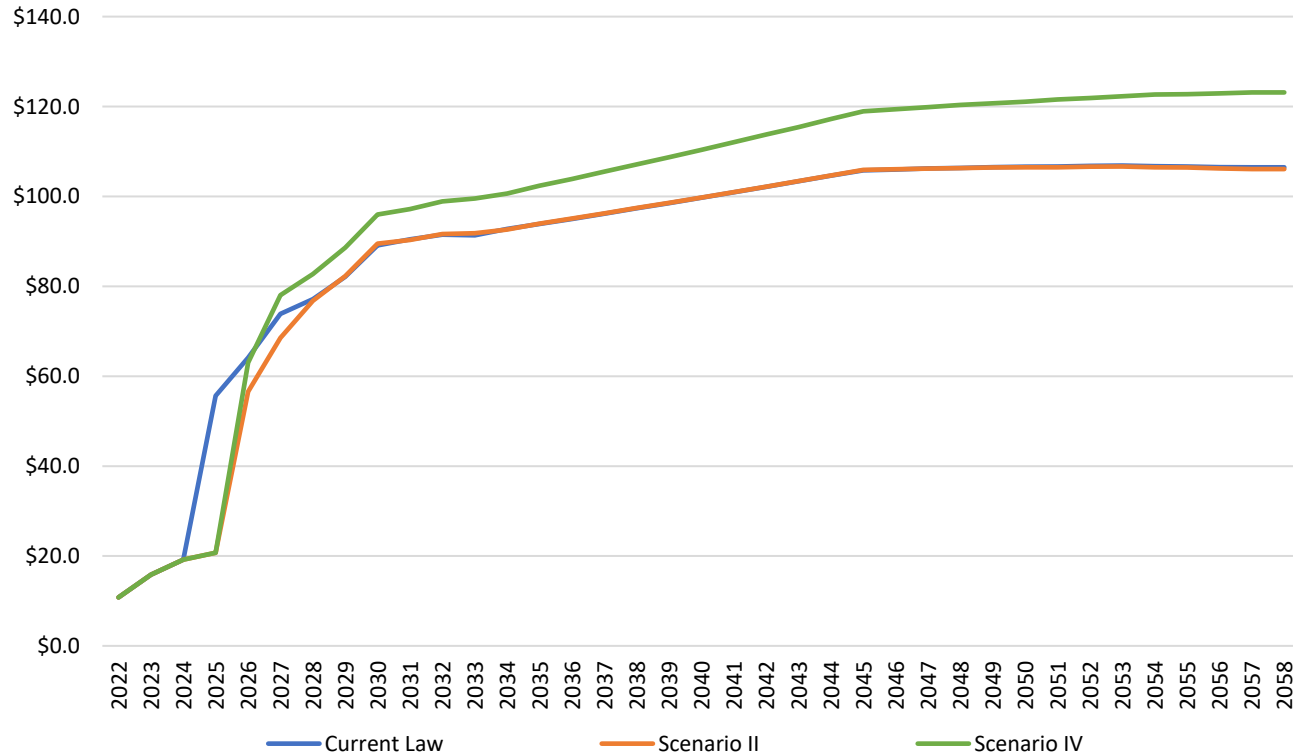
\*Paygo (Appropriations) includes a \$32.9M ARPA transfer and the \$268.4M Move Ahead Washington transfer.

# Total Annual Project Funds Requested



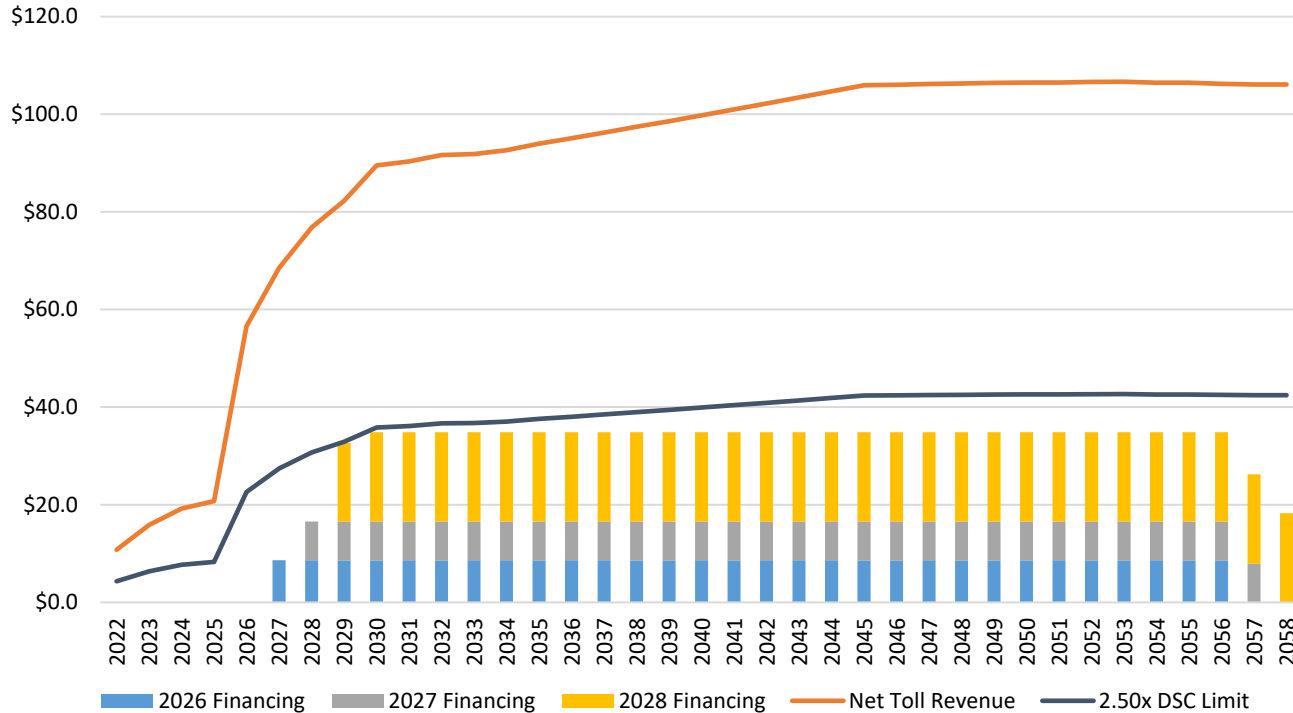
Fiscal year end 6/30. Dollar in millions.

# Projected Net Toll Revenues



Net Toll Revenue reflects amounts after paying O&M costs.  
Fiscal year end 6/30. Dollar in millions.

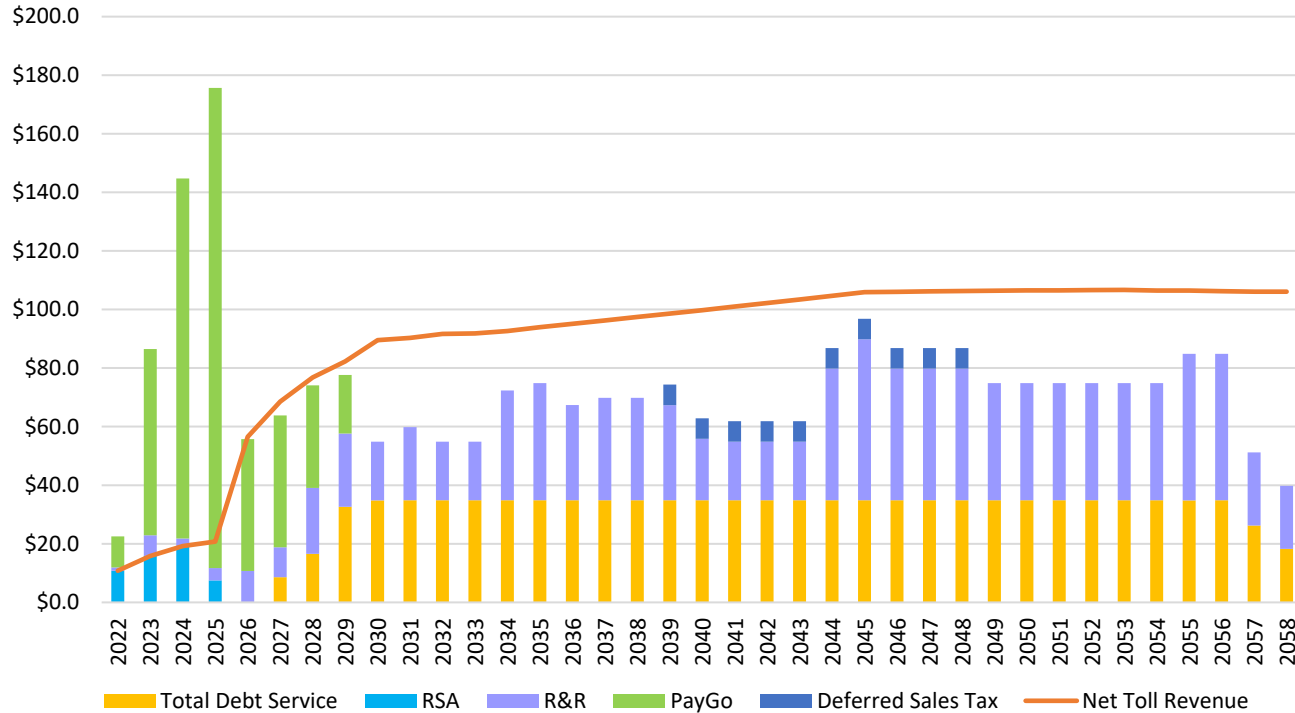
# Scenario II – Net Toll Revenues and Debt Service



Net Toll Revenue reflects amounts after paying O&M costs.  
 Debt Service on the 2028 issue extends through 2058, which is beyond timeframe for T&R projections. 2058 Net Toll Revenues and R&R activity are assumed to be level from 2057 values.  
 Fiscal year end 6/30. Dollar in millions.



# Scenario II – Net Toll Revenues and All Expenditures



Net Toll Revenue reflects amounts after paying O&M costs.

Debt Service on the 2028 issue extends through 2058, which is beyond timeframe for T&R projections. 2058 Net Toll Revenues and R&R activity are assumed to be level from 2057 values.

Fiscal year end 6/30. Dollar in millions.

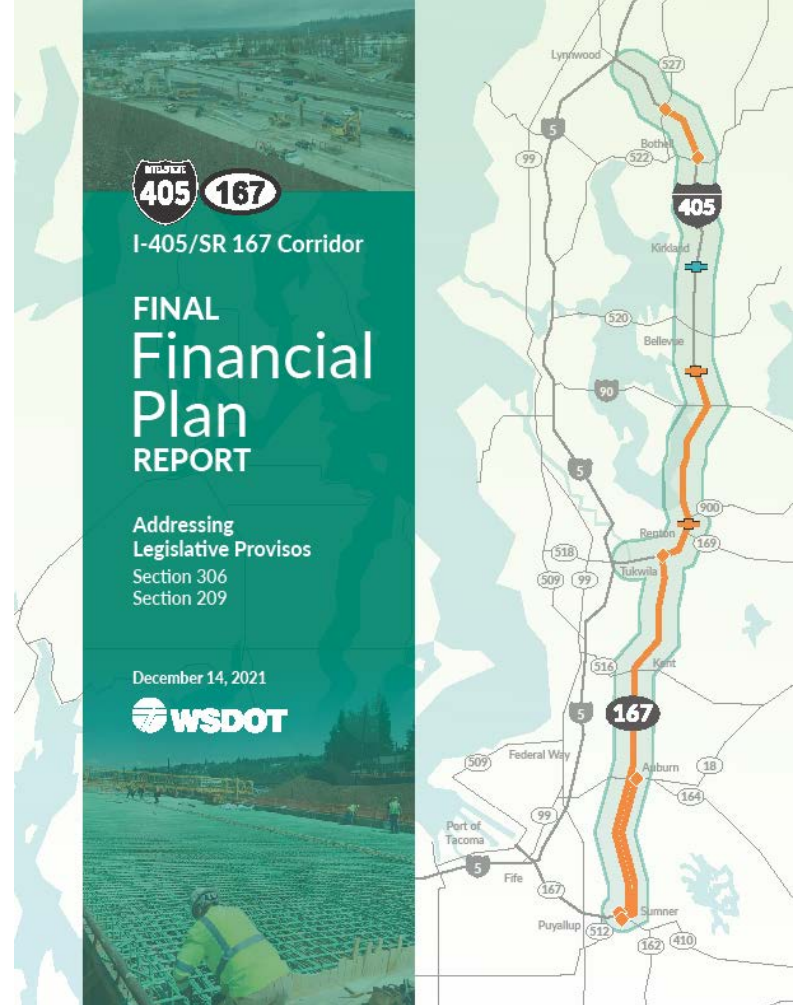
# What's next?

WSDOT will share updates as:

- Assumptions are refined
- Coordination continues with WSTC
- OST conducts analysis in support of the toll rate setting and Master Bonding Resolution (MBR) processes

***The three scenarios analyzed by OST are a snapshot in time based on the following assumptions:***

- |                           |   |
|---------------------------|---|
| ✓ <i>Project Delivery</i> | ✓ <i>Project Cost</i>                           |
| ✓ <i>Financial Terms</i>  | ✓ <i>Toll Revenue Forecast</i>                  |
| ✓ <i>Toll Policy</i>      | ✓ <i>Investment Grade Traffic &amp; Revenue</i> |



---

# Wrap-up and questions

Julie Meredith, WSDOT UMA and Megaprograms Assistant Secretary

Lisa Hodgson, WSDOT I-405/SR 167 Program Administrator

# Thank You

**Lisa Hodgson**

I-405/SR 167 Program Administrator

[HodgsoL@wsdot.wa.gov](mailto:HodgsoL@wsdot.wa.gov)