

# I-405/SR 167 Corridor Program Executive Advisory Group

Jan 7, 2021

Roger Millar, P.E., AICP  
Peter Rogoff  
Ed Barry, P.E.  
Lisa Hodgson, P.E., DBIA  
Bernard van de Kamp

WSDOT Secretary of Transportation  
Sound Transit, CEO  
WSDOT Toll Division Director  
WSDOT I-405/SR 167 Program Administrator  
Sound Transit, East Corridor Development Director

# Agenda

- Welcome
- Introductory Remarks – WSDOT & Sound Transit
- Public Comment
- I-405/SR 167 Tolling Update
- I-405/SR 167 Corridor Program Delivery & BRT Projects Update
- Closing

# Meeting Topics

## June 2020 Meeting

- State of WSDOT
- WSDOT Traffic/Toll Trends
- Sound Transit Realignment
- I-405/SR 167 Corridor Update

## January 2021 Meeting

- State of WSDOT
- WSDOT Traffic/Toll Trends
- I-405/SR 167 Corridor Update
- Sound Transit Update

# Introductory Remarks

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Roger Millar, P.E., FASCE, AICP  
Peter Rogoff

WSDOT Secretary of Transportation  
Sound Transit, Chief Executive Officer

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# Public Comment

10 minutes facilitated by:

**Colleen Gants**

I-405/SR 167 Corridor Communications

[I405SR167Program@WSDOT.WA.GOV](mailto:I405SR167Program@WSDOT.WA.GOV)

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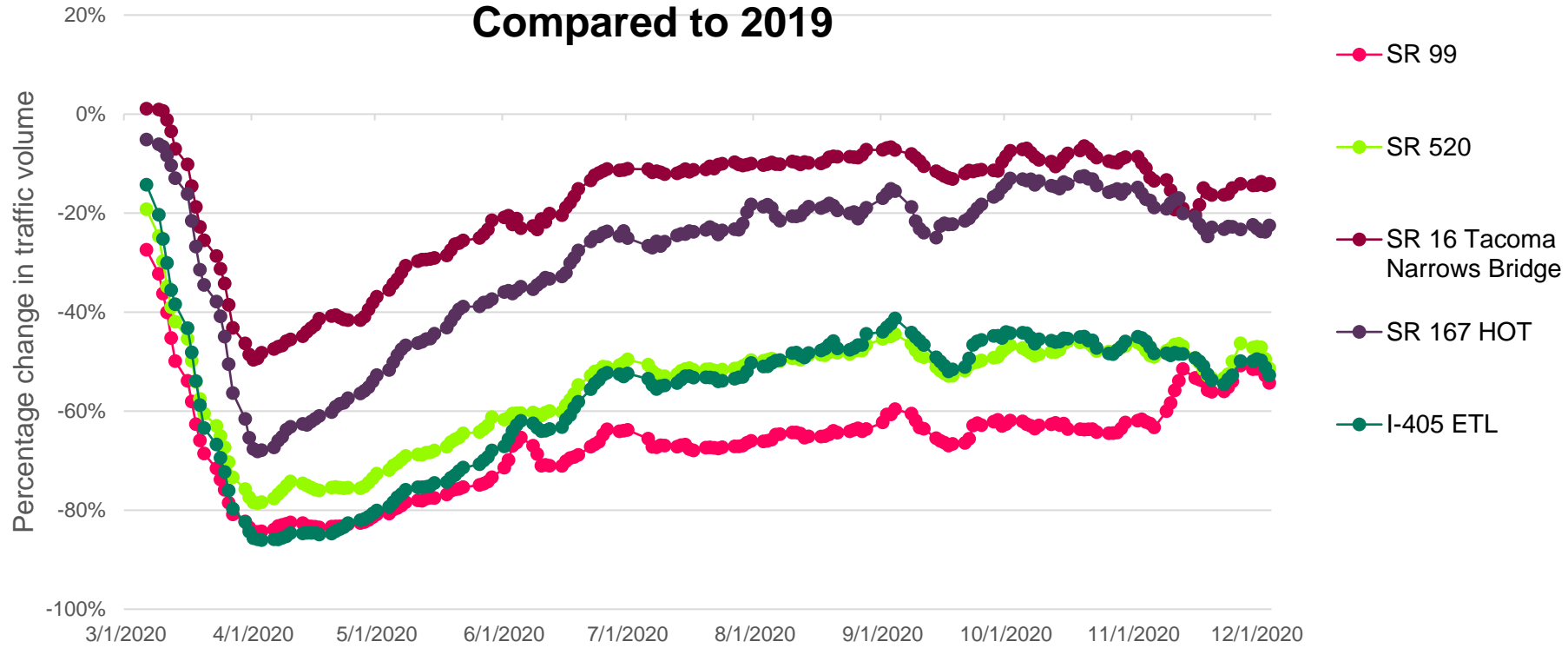
# Tolling Update

## I-405 and SR 167

Ed Barry, P.E., WSDOT Toll Division Director

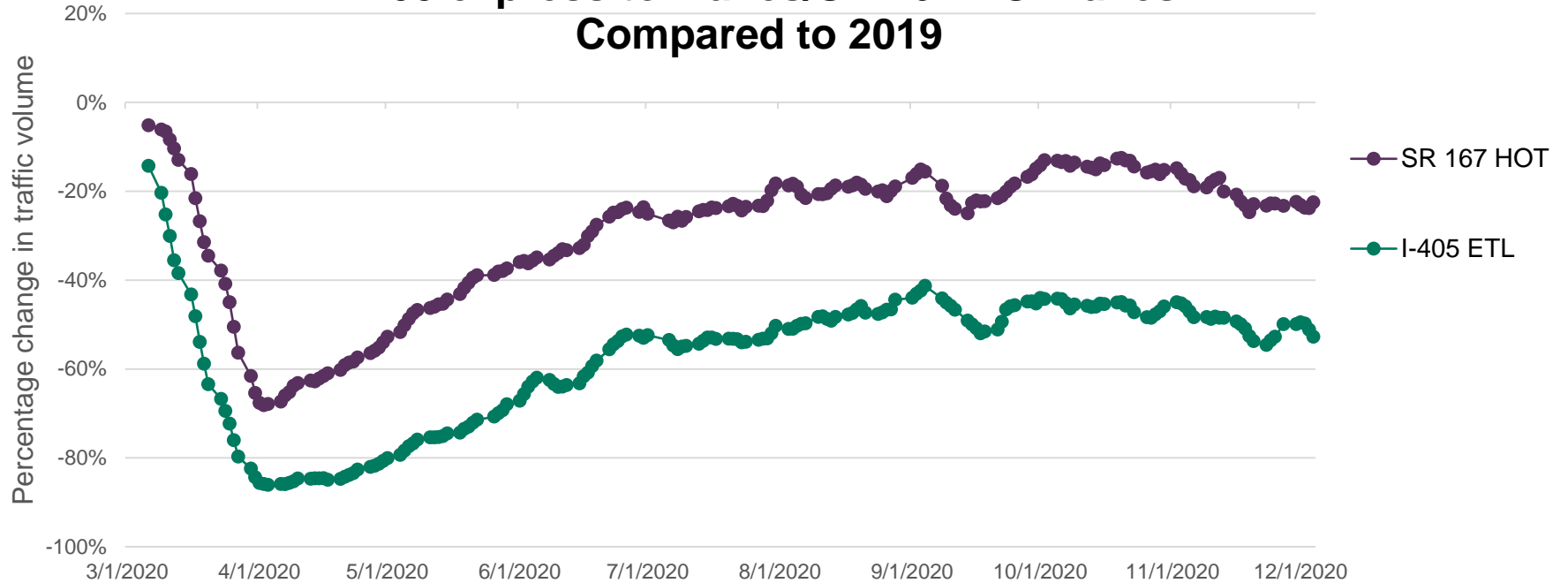
# Trips are down on all toll facilities

Average daily trips  
All toll facilities  
Compared to 2019



# I-405/SR 167 daily trends

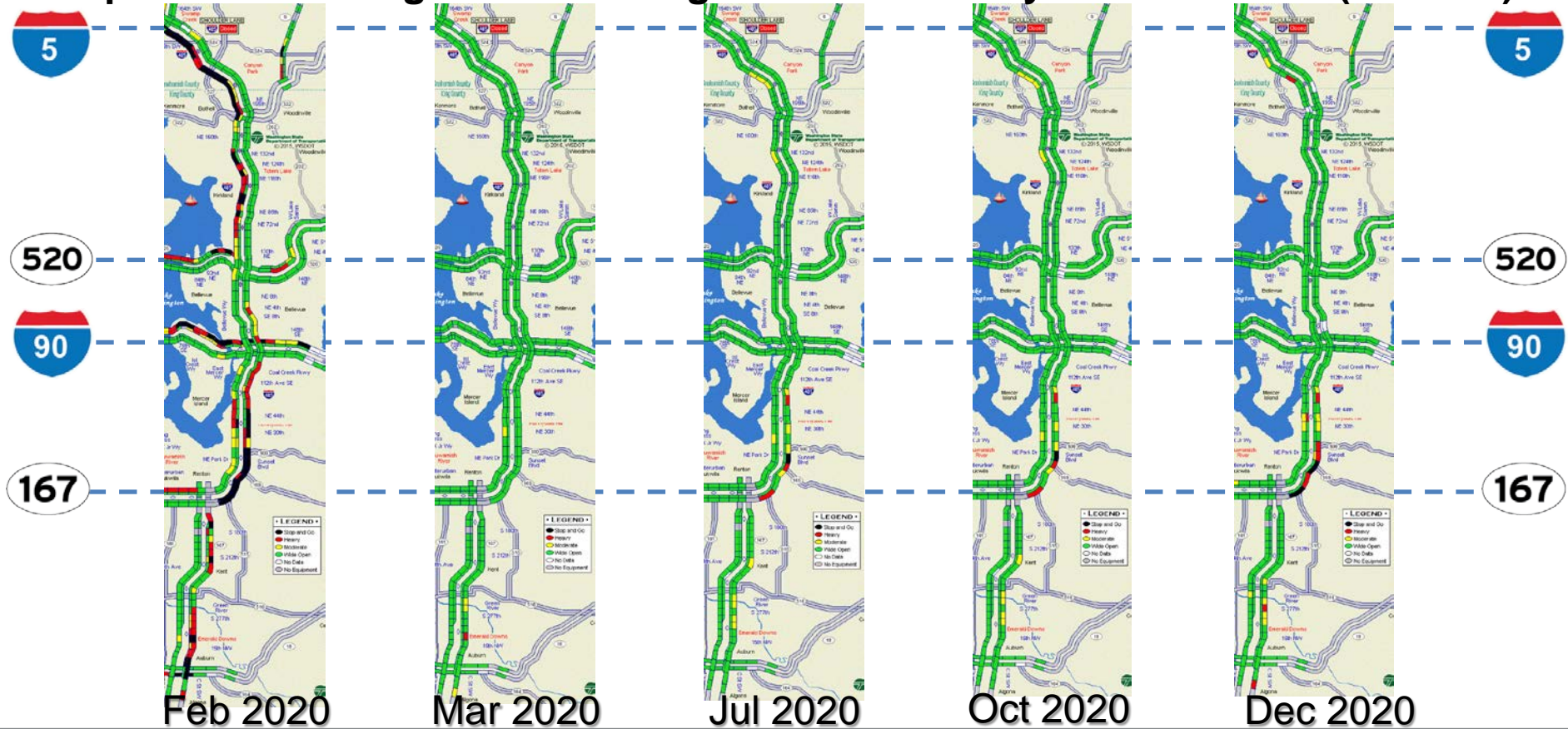
**Average daily trips  
I-405 express toll lanes/SR 167 HOT lanes  
Compared to 2019**





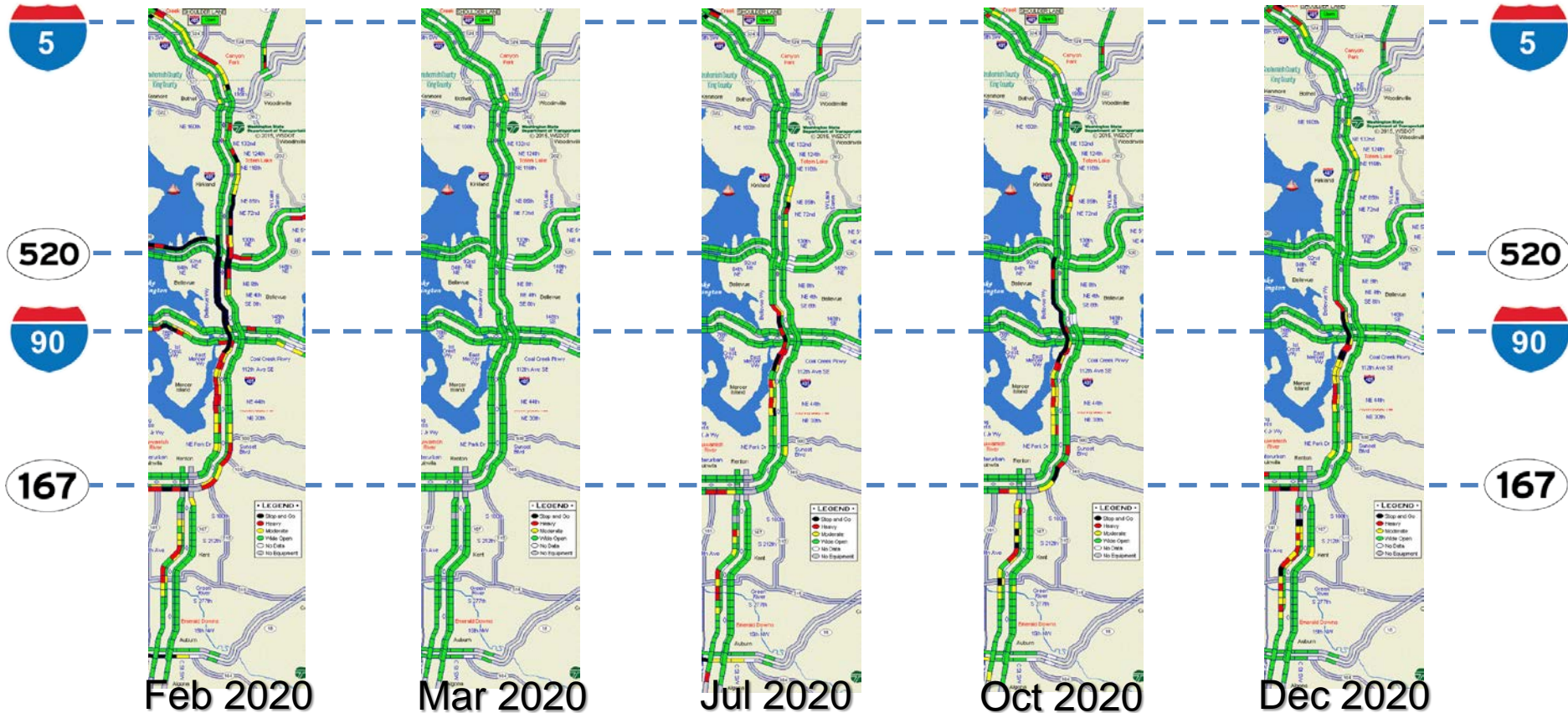
# Changes in corridor traffic - A.M. peak period

## Representative Puget Sound Congestion – Weekday AM Peak Hour (7:30 AM)



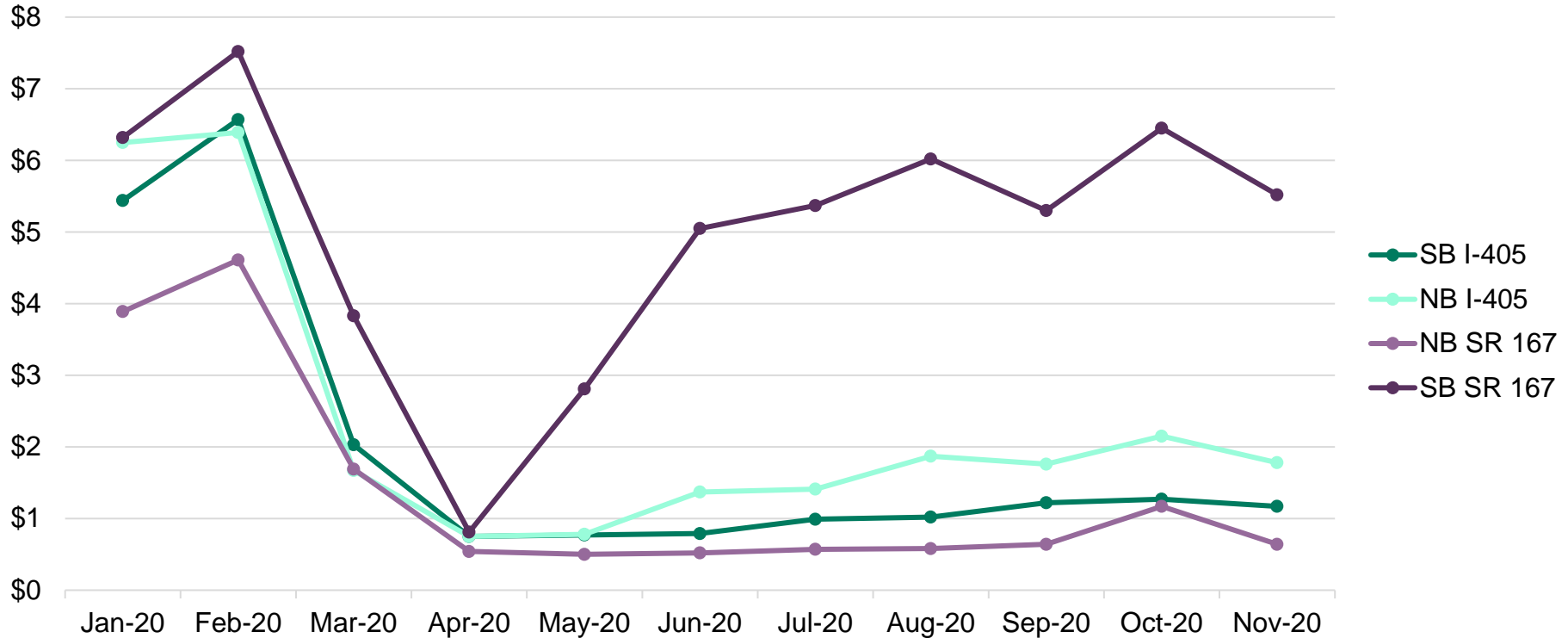
# Changes in corridor traffic - P.M. peak period

## Representative Puget Sound Congestion – Weekday PM Peak Hour (4:30 PM)

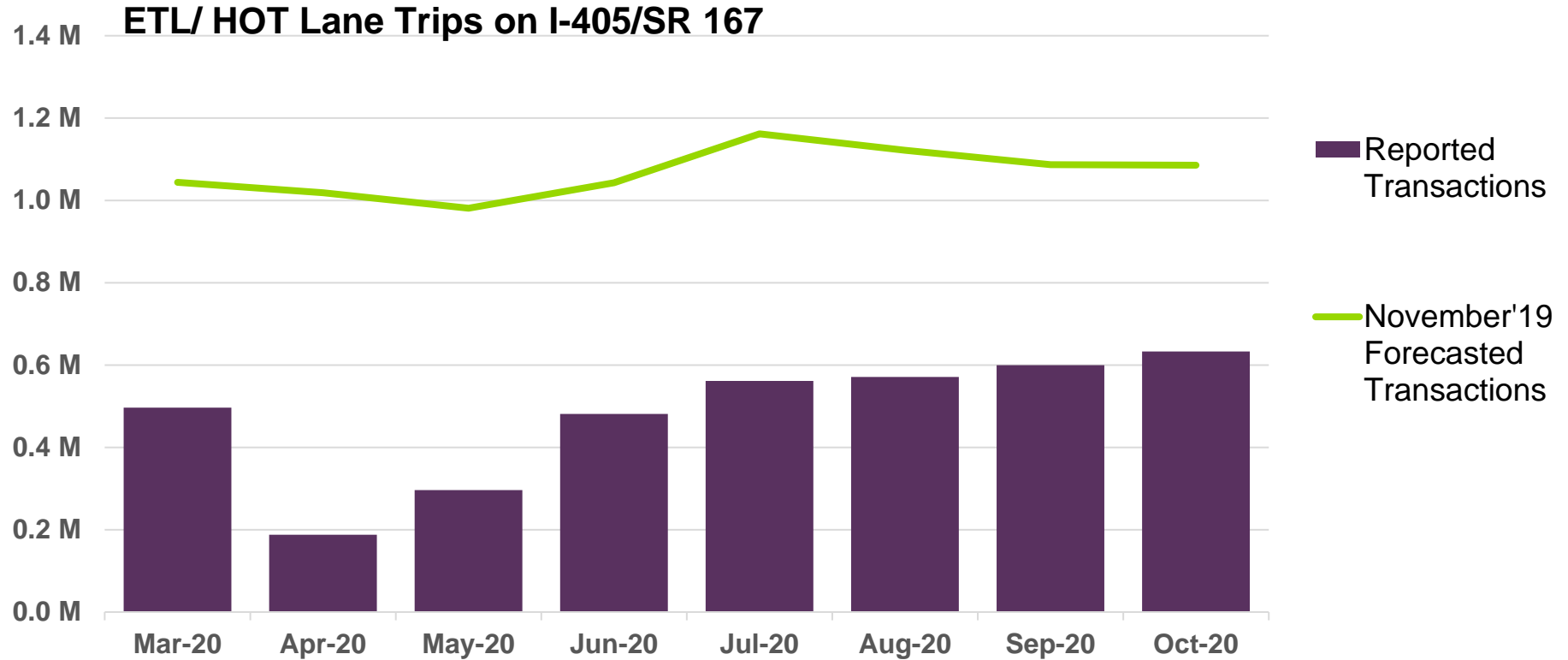


# I-405/SR 167 peak period toll rates

Average Toll Rates During Peak Period, Peak Direction

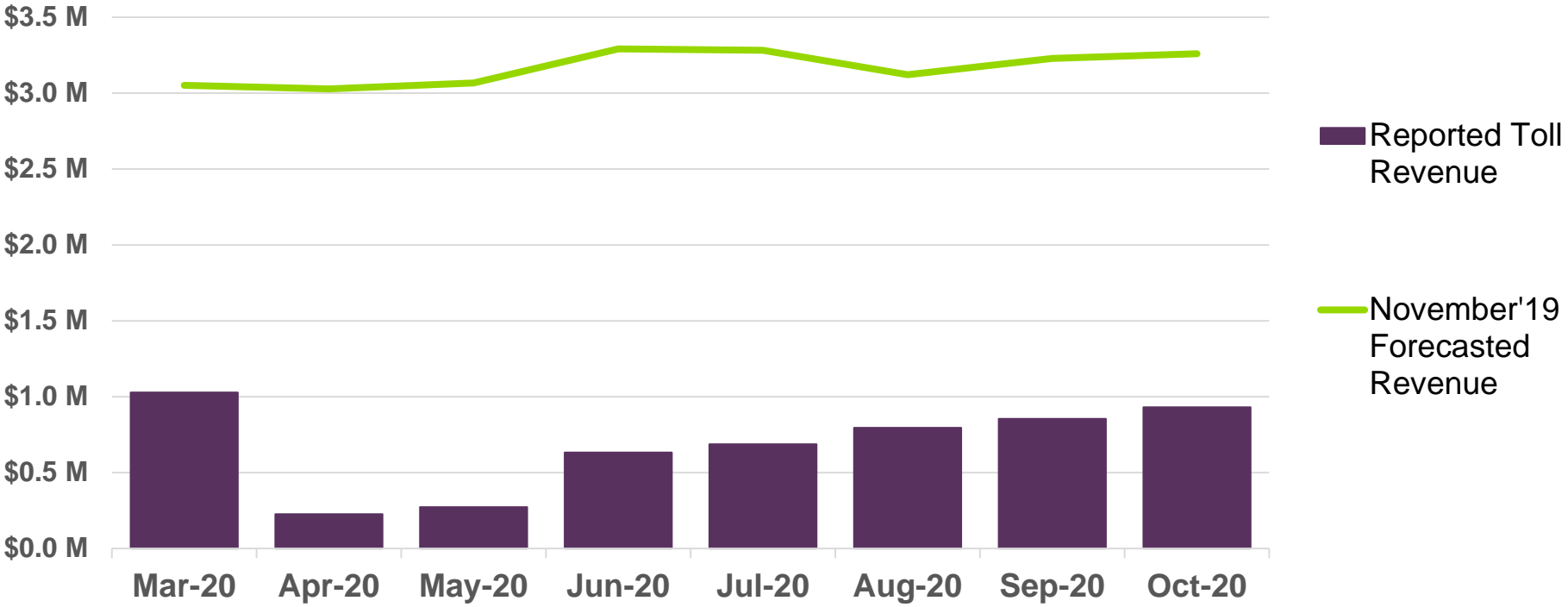


# I-405/SR 167 actual trips compared to pre-COVID forecast



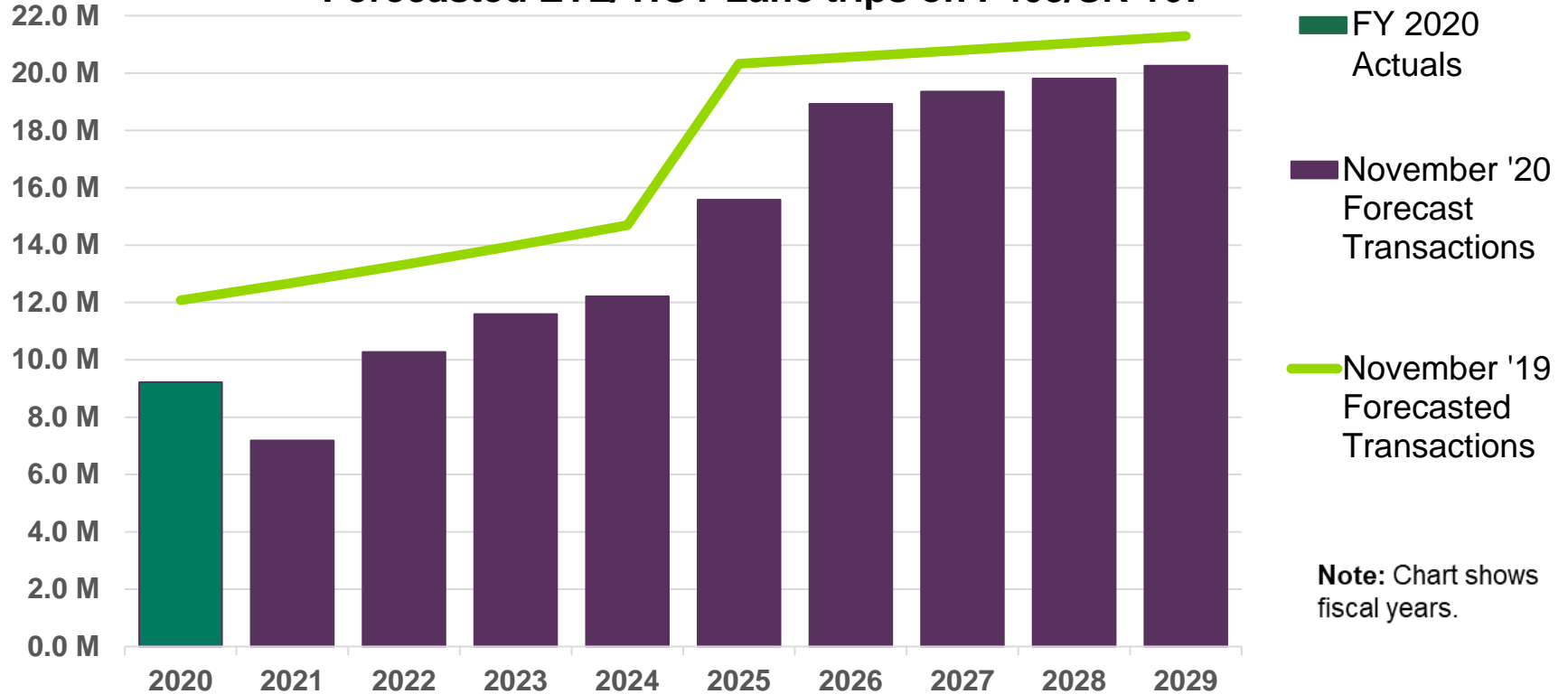
# I-405/SR 167 actual revenue compared to pre-COVID forecast

Adjusted gross toll revenues for I-405/SR 167



# I-405/SR 167 forecasted trips compared to pre-COVID forecast

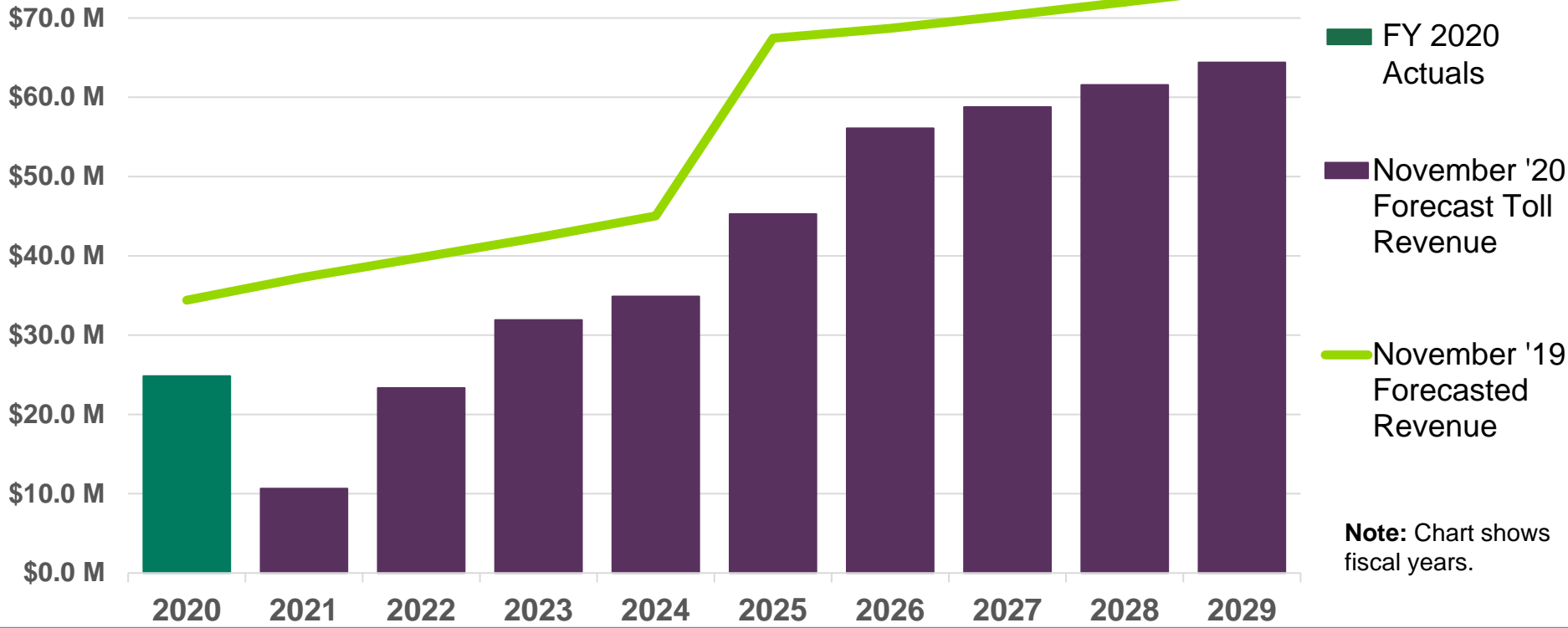
## Forecasted ETL/ HOT Lane trips on I-405/SR 167



**Note:** Chart shows fiscal years.

# I-405/SR 167 forecasted revenue compared to pre-COVID forecast

## Forecasted adjusted gross toll revenues for I-405/SR 167



**Note:** Chart shows fiscal years.



# Projects funded through bonded toll revenues

- 1 I-405, SR 522 to SR 527 Express Toll Lanes Improvement Project**  
(design and construction) - \$600M
- 2 I-405 Renton to Bellevue Widening and Express Toll Lanes Project**  
(completion) - \$215M
- 3 SR 167 Master Plan Update** - \$3M
- 4 SR 167 Express Toll Lanes Extension to SR 410 and SR 512**  
(construction) - \$100M
- 5 I-405/North 8th Street Direct Access Ramp Project in Renton** (design) - \$20M

The state has not yet bonded any toll revenue from the express toll lane account





# Next steps

- WSDOT must complete an investment grade study, prior to issuance of bonds, once traffic has stabilized and post-COVID traffic and revenue behavior is better understood.
- The Office of State Treasurer (OST) will develop a master bond resolution that outlines the requirements to issue bonds.
- OST and WSDOT will determine bond sizing in conjunction with the legislative budgets.

# Questions?

**Edward Barry, P.E.**  
Toll Division Director

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# I-405/SR 167 Corridor Program Delivery

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Lisa Hodgson, P.E., DBIA  
Bernard van de Kamp

WSDOT, I-405/SR 167 Program Administrator  
Sound Transit, East Corridor Development Director

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# I-405/SR 167 Corridor: 50-mile corridor plans

## Regional Consensus

- EIS Record of Decision, 2002
- **Multimodal, multiagency plan**

## Roadways

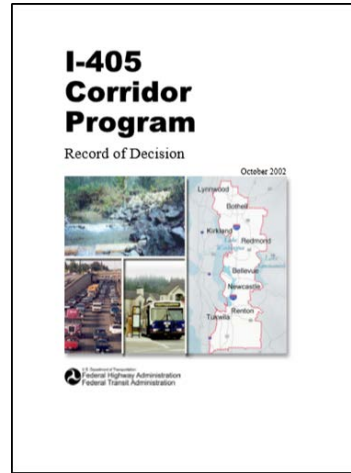
- 2 new lanes in each direction
- Local arterial improvements

## Transit & Transportation Choices

- Bus Rapid Transit system
- New transit centers
- 50% transit service increase
- HOV direct access ramps and flyer stops
- Managed lanes system
- 5000 new Park & Ride spaces
- 1700 new vanpools

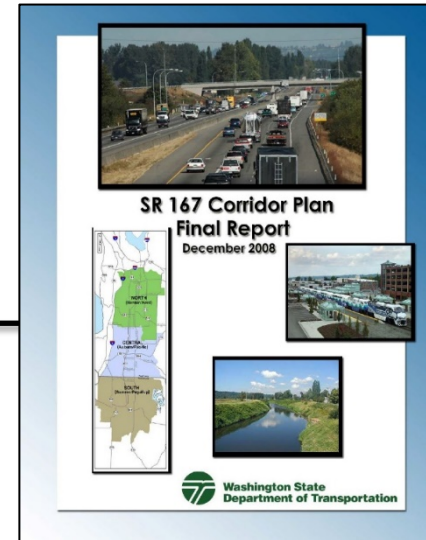
## Environmental Enhancements

- Fish passage
- Stormwater treatment



## Regional Plan

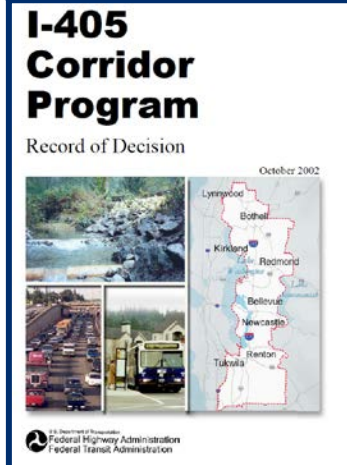
- ETL Extension
- Direct Connector Ramps
- Aux Lanes
- Connect to Gateway Program, freight, ports
- Master Plan (ESSB 5825)



# History: I-405 Master Plan and the Sound Transit Long-Range Plan

## I-405 Master Plan adopted in 2002

- Identified a master list of potential projects, to be implemented incrementally when funds were secured
- Identified BRT as the preferred high-capacity-transit mode
- Sound Transit and WSDOT were co-leads
- Improve personal and freight mobility and reduce foreseeable traffic congestion in the I-405 study area



1999 2002 2003 2005 2008 2009 2010 2011 2012 2013 2015 2016 2019



I-405 Master Plan Process Begins



I-405 Corridor Program Record of Decision



Nickel Funding Package



TPA Funding



ST-2/East Link Funding

ESSB 5352 Authorizes Eastside Corridor Tolling Study

SR 167 Corridor Plan



Complete Eastside Corridor Tolling Study and Expert Review Panel Study

EAG adopted ETLs with 10 year implementation strategy



EHB 1382 Authorizes Tolling on I-405 and WSTC Toll Study



WSTC Study Complete



WSDOT Funding and Phasing Complete



Connecting Washington Funding Package



ST-3/ BRT Funding

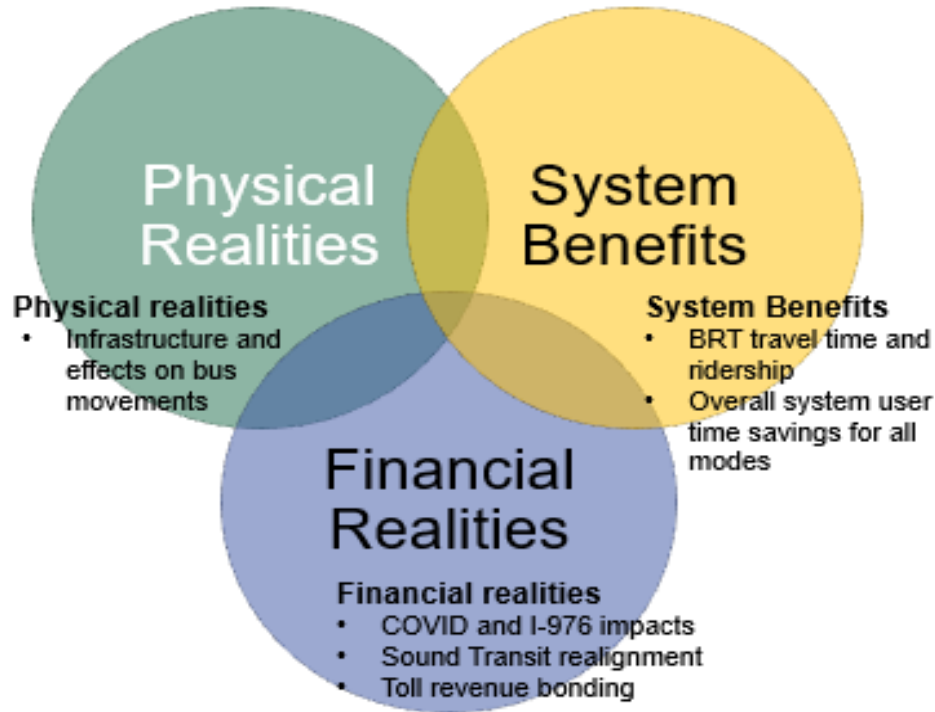
Renton to Bellevue Toll Authorization



ESSB 5825 Funding



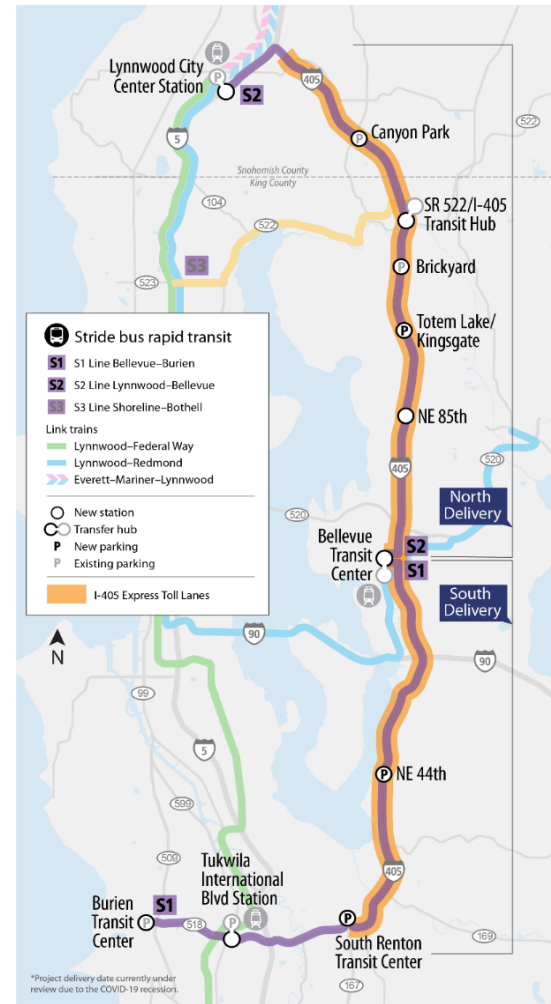
# How to continue delivering while considering our financial reality?



***It's not a matter of IF we deliver the system benefits, but WHEN.***

# I-405 Corridor Partnership: ST BRT & WSDOT ETL System

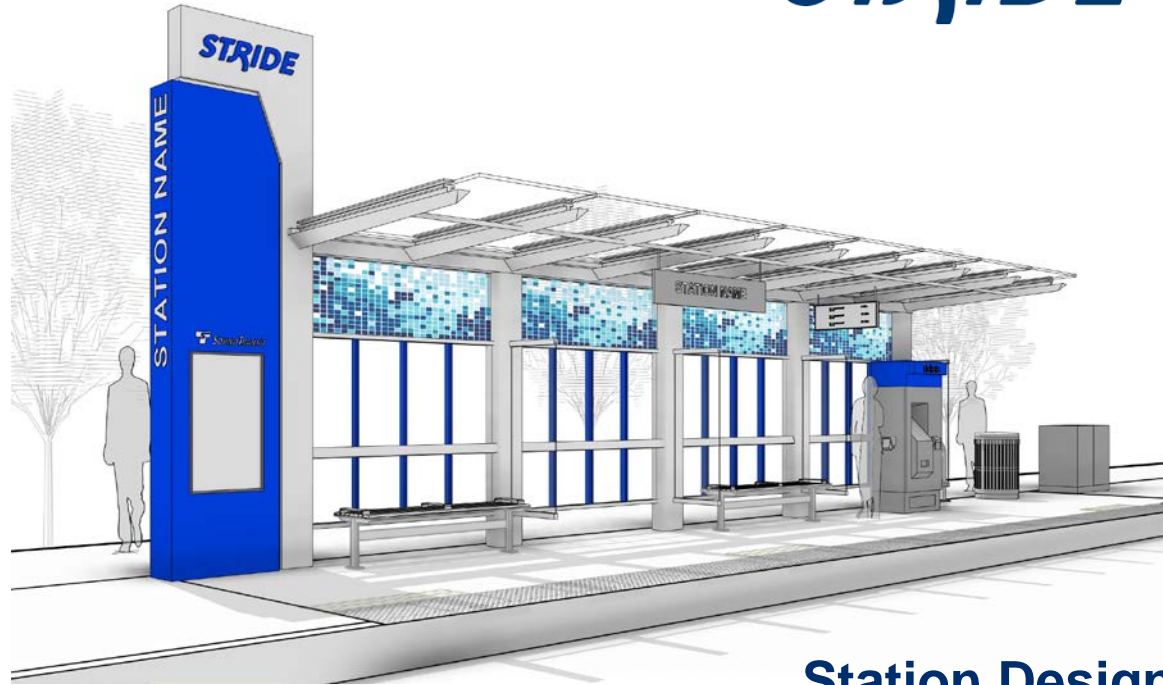
- BRT is the I-405 Master Plan designated 37-mile high-capacity transit corridor, connecting cities and eastside transit nodes from Lynnwood to Burien.
- Estimated 25,800 BRT riders daily by 2040.
- 11 BRT stations across 8 cities.
  - Three new/ expanded parking facilities, adding 1,300 new park and ride stalls.
  - One transit center.
  - Connections to Link light rail in Lynnwood, Bellevue & Tukwila and other transit systems with King County Metro and Community Transit.
- WSDOT ETLs and Direct Access infrastructure is critical to delivery of ST's BRT system, offering speed and reliability.





# Bus Rapid Transit – New Line of Service

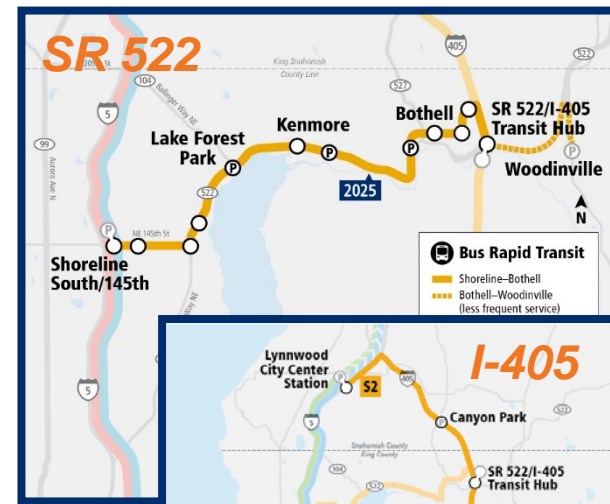
Sound Transit welcomes **STRIDE**



Station Design Concept

# BRT System Elements of Success

- Transit speed, reliability and access improvements
- Connects cities, employment and transit nodes
- ETLs and direct access improve BRT speed and reliability
- BRT stations (signage, shelter, amenities)
- Parking facilities
- Bus OMF and New BRT fleet
- Branding
- Rider information system

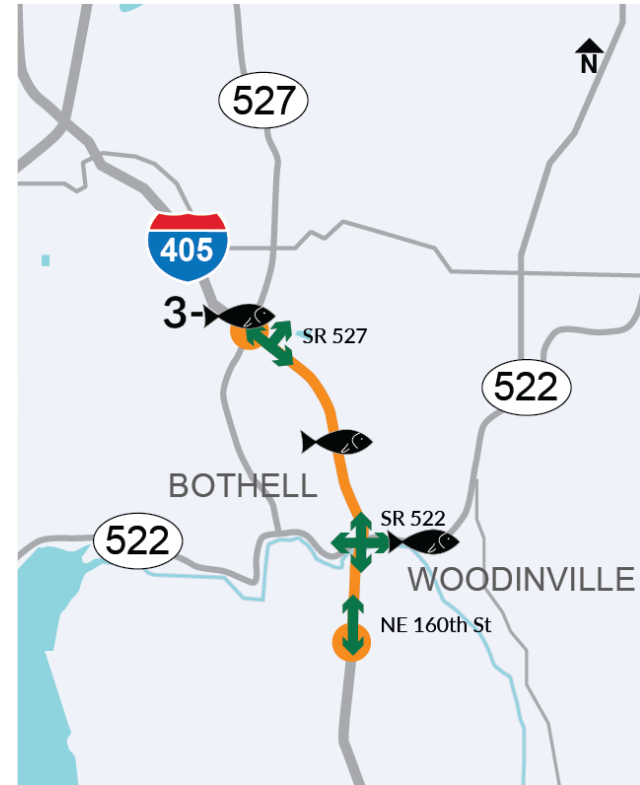


# I-405, SR 522 Vicinity to SR 527 ETL Improvement Project

## Project overview

- Extends dual ETLs from SR 522 to SR 527.
- Builds direct access ramps with inline stations at SR 522 and SR 527.
- Connections to urban growth centers and transit nodes.
- Trail, ped and bike improvements
- Addresses system preservation and resiliency.
- Corrects 5 fish barriers.
- Environmental decision document expected in early 2021 to keep project moving towards construction readiness.

*Focused on maintaining ETL speed and reliability, and optimal BRT system travel times and ridership.*



# Stride North Line: S2

## Changes from Phase 1:

- In north end WSDOT ETLs
- Canyon Park, Transit Hub, and Brickyard inline
- S3 transfer: UW Bothell/  
Cascadia College

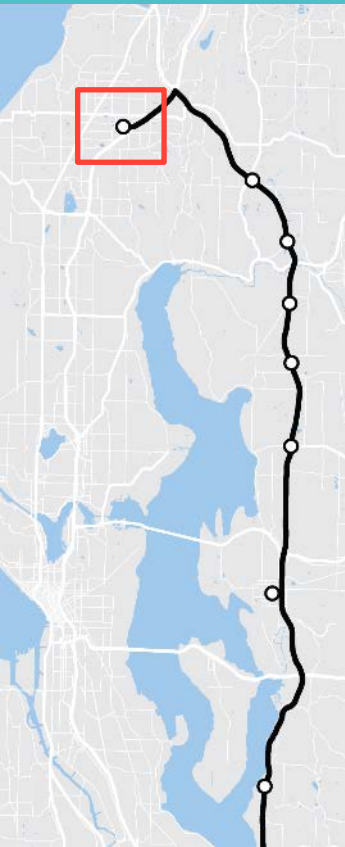




## BRT STATION

# Lynnwood City Center

- Located at existing Lynnwood Transit Center/Park and Ride.
- Lynnwood light rail extension: 2024.
- Riders will be able to transfer between BRT and Link at the future Lynnwood City Center station.





## BRT STATION

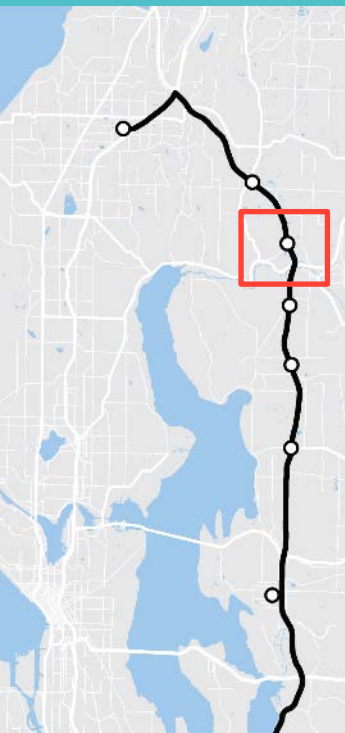
# Canyon Park (Bothell)

- WSDOT is designing Express Toll Lanes (ETLs) between Canyon Park and Totem Lake.
- This station will be located west of the Canyon Park Park and Ride on new direct access ramps to the ETLs.





## BRT STATION



# SR 522/I-405 Transit Hub (Bothell)

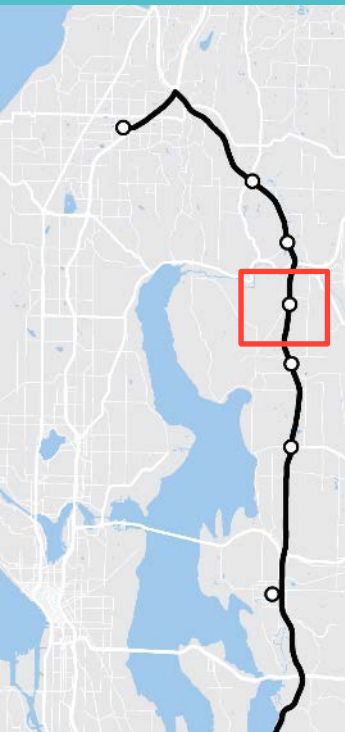
- Riders will transfer between I-405 BRT North line and SR 522/NE 145th BRT.
- Will serve new pedestrian connections to campus.





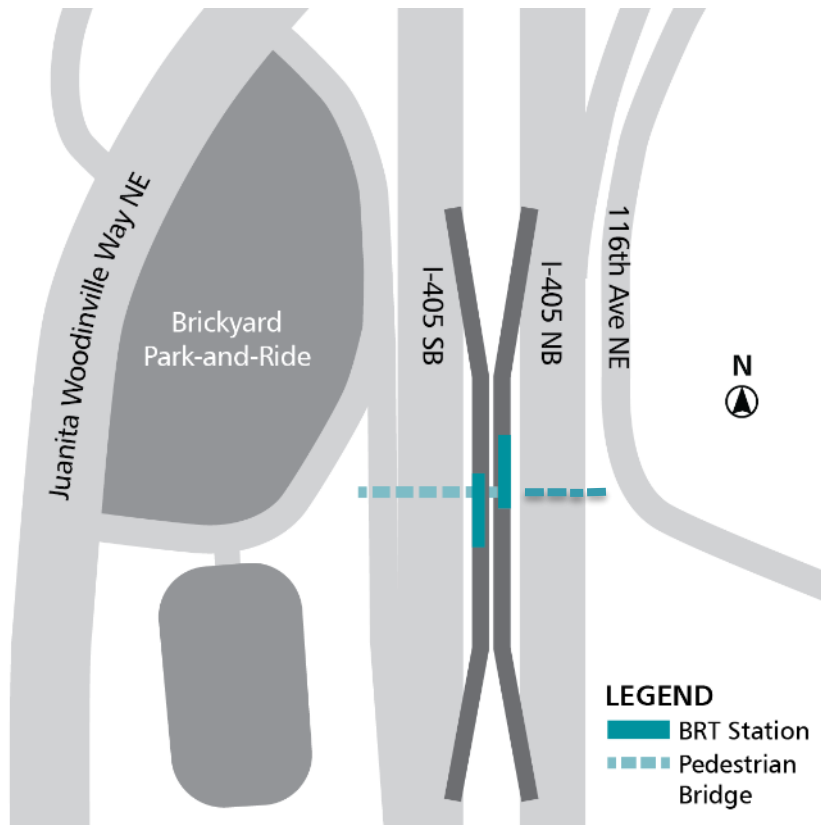


## BRT STATION



# Brickyard (Bothell)

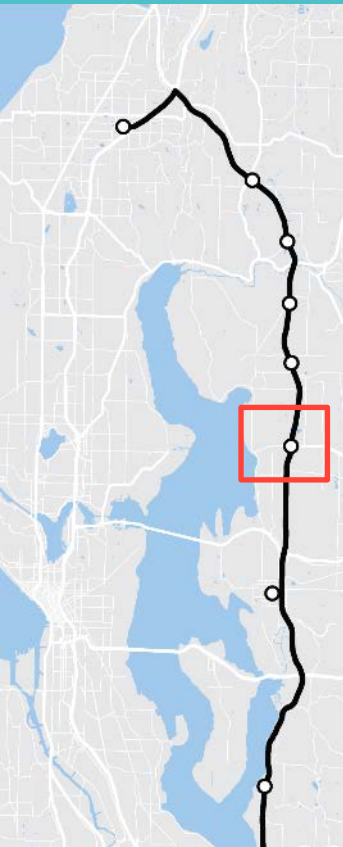
- Will serve existing Brickyard Park and Ride.
- Inline BRT station connected to the park-and-ride by a pedestrian bridge.





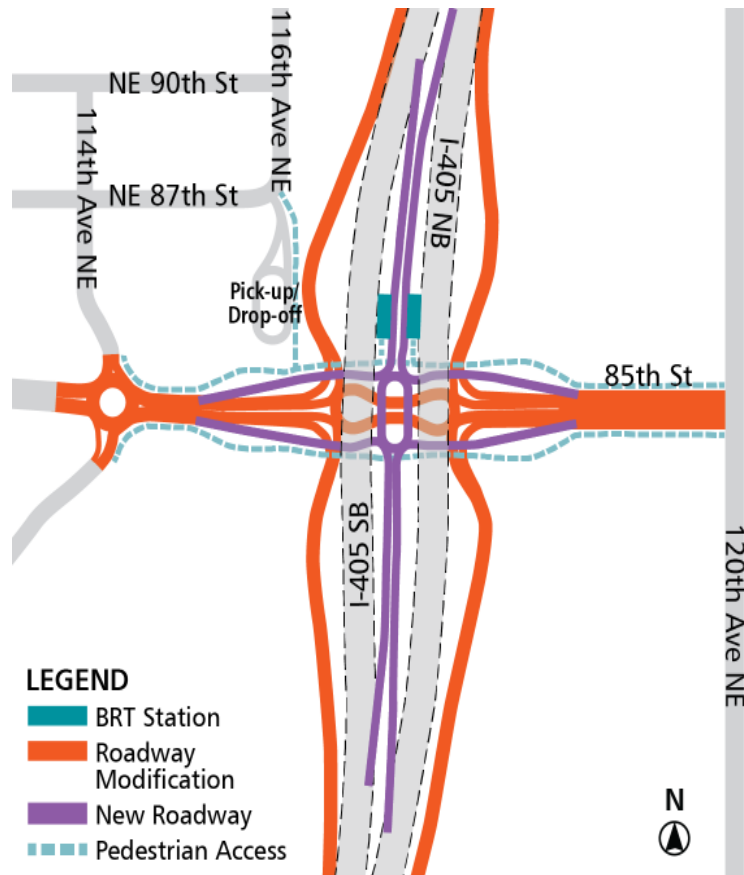


## BRT STATION



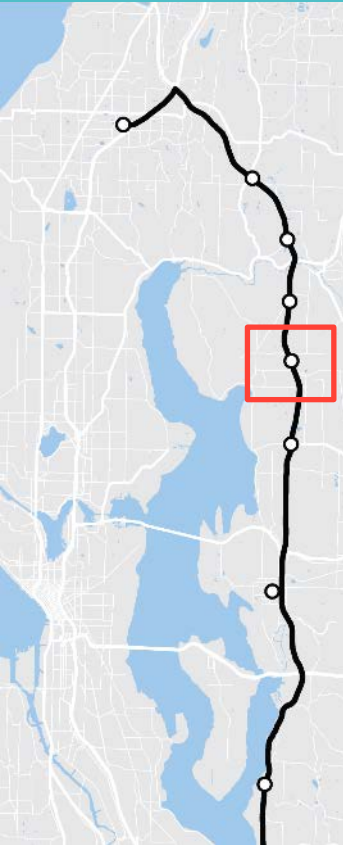
# NE 85th Street (Kirkland)

- WSDOT and Sound Transit are partnering to build the station.
- WSDOT will build new direct access ramps from I-405 express toll lanes to support BRT service.
- Local bus stops will be located on the same level as BRT stops for easy transfers.





## BRT STATION



# Totem Lake/Kingsgate (Kirkland)

- Located at existing Totem lake freeway station.
- New parking garage that will add a net 400 parking stalls at the nearby Kingsgate Park and Ride.
- Partnership between ST, WSDOT & Kirkland



# I-405/NE 132nd Street Interchange Project



## Project status

Goal to issue RFP in early 2021.

## Project overview

- Builds a new half-diamond interchange.
- Replaces signals with roundabouts optimizing movement and reducing long-term maintenance.
- Adds ped/bike infrastructure through the interchange.
- Provides access to Totem Lake urban growth center, Evergreen Hospital and Kingsgate Park-and-Ride.
- Corrects fish barrier creating over 3000 feet of upstream habitat gain.
- Improves water quality and addresses seismic retrofit.

# SR 520/124th Avenue NE Interchange Project

## Project overview

- Builds a new on-ramp to eastbound SR 520 and a new off-ramp from westbound SR 520 at 124th Ave. NE.
- Significant congestion reduction in the 520 interchange.
- Builds new eastbound aux lane to NE 148<sup>th</sup> St.
- Improves access to the developing Spring District, medical district, and downtown Bellevue and future East Link light rail.
- Corrects fish passage and improves water quality.





## BRT STATION

# Bellevue Transit Center

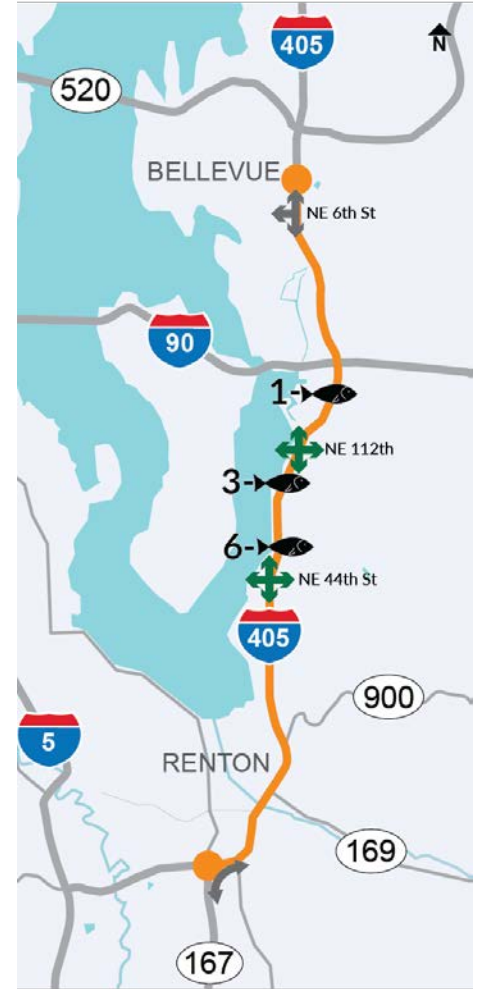
- BRT station will be located at the Bellevue Transit Center.
- Riders will be able to transfer between north and south BRT lines and future Bellevue Link light rail.
- East Link Extension service anticipated to begin in 2023.



# Under Construction: Renton to Bellevue Widening & ETLs

## Project overview

- New dual ETLs and BRT infrastructure between SR 167 in Renton and NE 6th Street in Bellevue, including inline BRT station at NE 44<sup>th</sup> Street in Renton, partnership with ST.
- Builds two new southbound auxiliary lanes at Coal Creek and Kenndale Hill.
- Improves key interchanges.
- Provides a reliable trip between Renton and Bellevue and system benefit for all users.
- Performs critical maintenance and preservation work.
- Corrects 10 fish barriers.



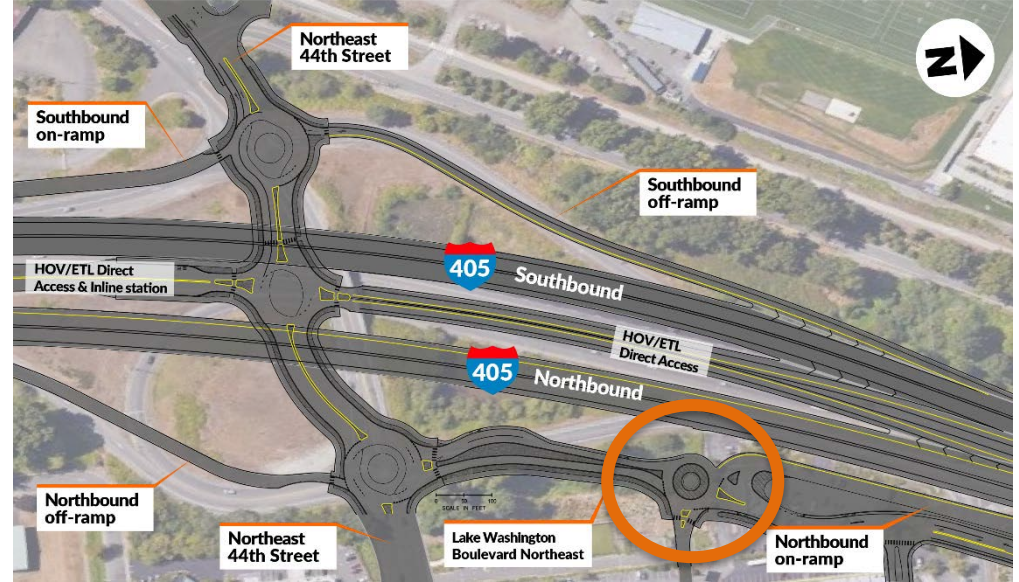


# Renton to Bellevue construction progress

Completing final design and early construction work



King County Eastrail progress: construction & grading



NE 44<sup>th</sup> Interchange

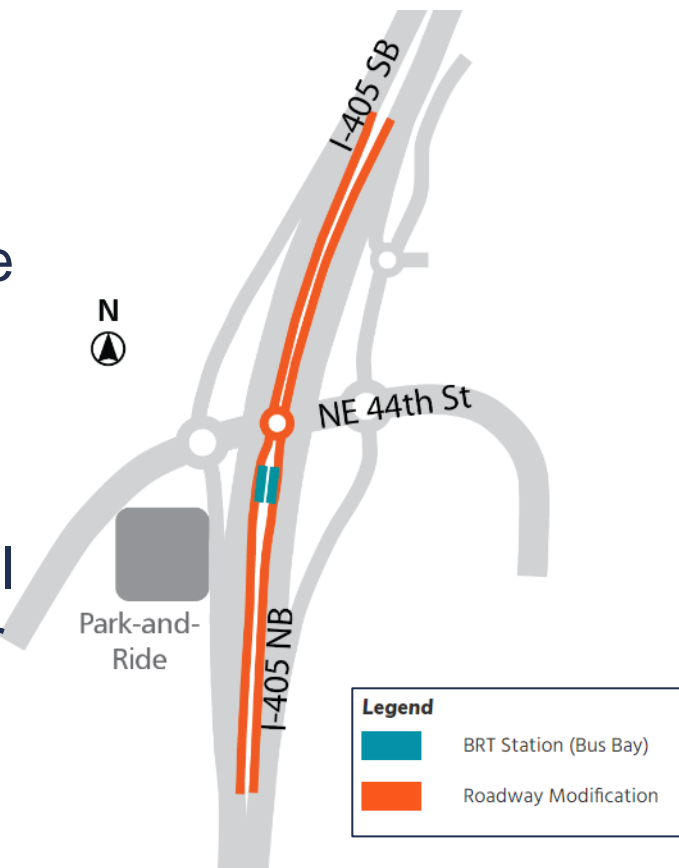


## BRT STATION



# NE 44th Street (Renton)

- Will include an inline BRT station at the I-405/NE 44th Street interchange.
- Includes a new park-and-ride facility with up to 200 stalls.
- WSDOT will extend the express toll lanes between Bellevue and Renton and will build direct access ramps for BRT stations.





# Stride South Line: S1

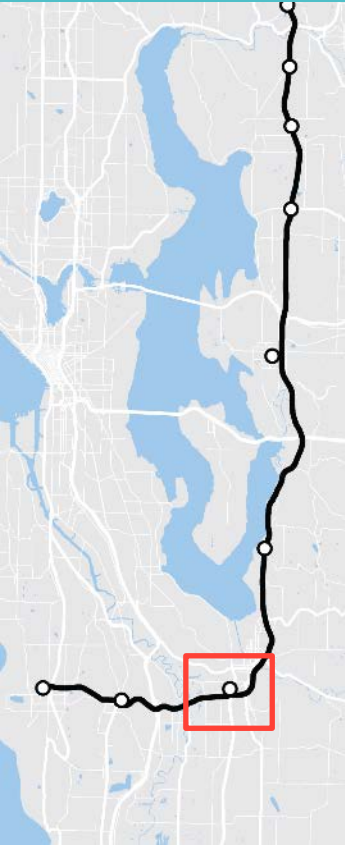
## Changes from Phase 1:

- Flip concept at NE 44th
- Development of SRTC design concept
- Refinement of TIBS design





## BRT STATION



# South Renton Transit Center

- Will include a new transit center for local and regional transit services.
- Includes a new 700-stall parking garage, pick-up and drop-off areas, the BRT station, and an area for future transit-oriented development.



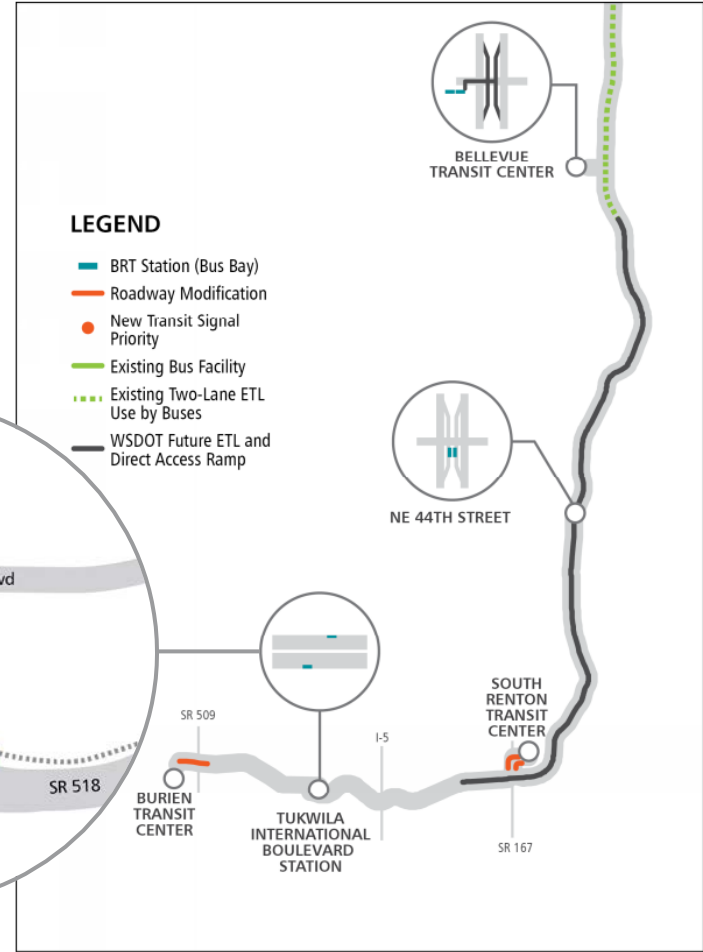
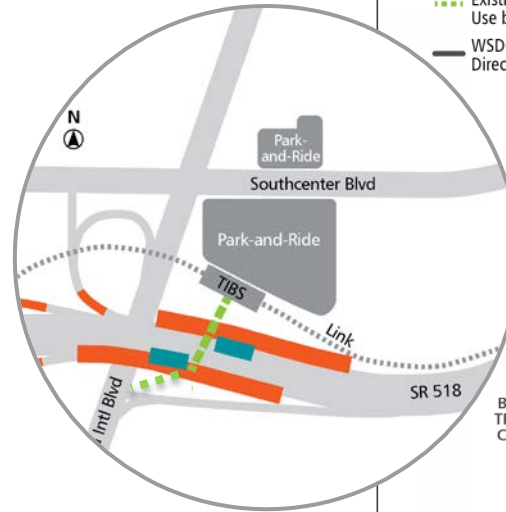
# Proposed Project Refinements: *South Line*

## ■ *Tukwila International Boulevard BRT Station:*

Non-motorized access and improvements to Link Lightrail station

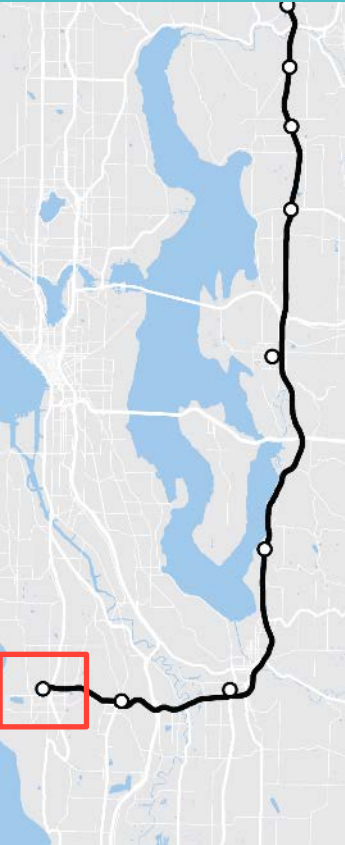
Reduced highway and arterial widening

Improved travel time and ridership





## BRT STATION



# Burien Transit Center

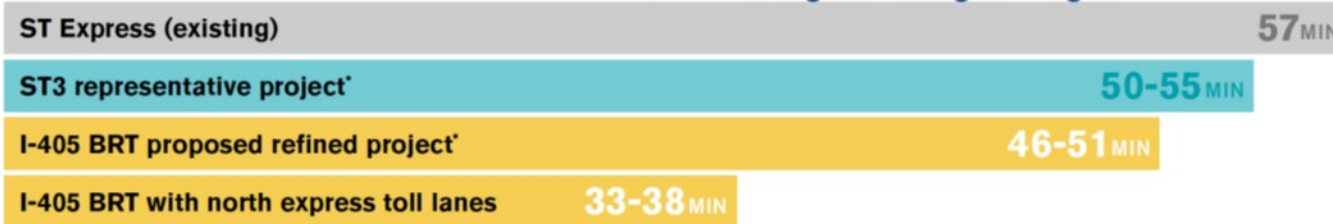
- Will be located at the existing Burien Transit Center.
- Riders will be able to connect to King County Metro bus services.



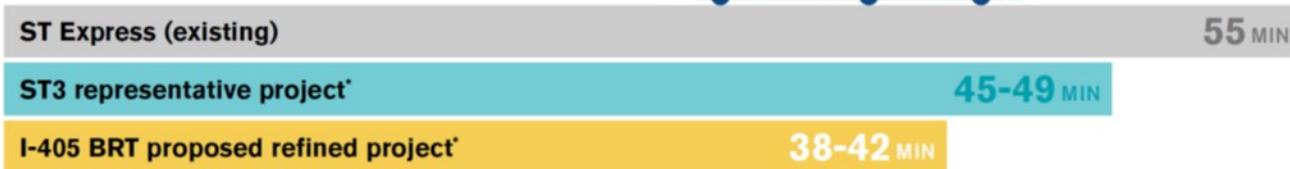
# I-405 BRT travel times

## AM peak hour travel times to Bellevue

### North Line – Lynnwood to Bellevue



### South Line – Burien to Bellevue

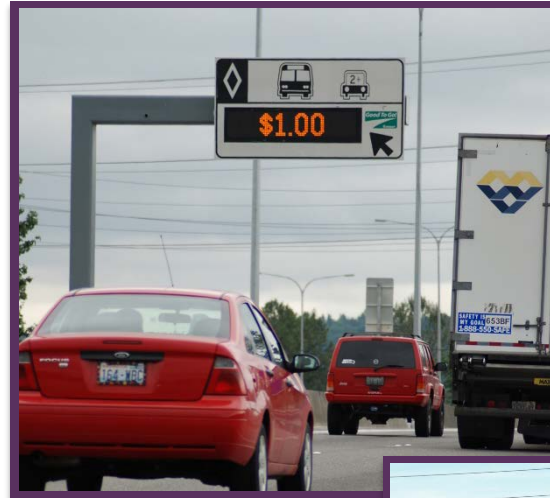


\*Preliminary travel time estimates for planning purposes, subject to change. Existing travel times are average times. Year 2025 estimates assume new express toll lanes are open between Renton to Bellevue. Updated information will be provided prior to beginning service.

# SR 167 Toll Upgrade

Updating the SR 167 HOT lanes to express toll lanes will provide drivers on SR 167 the same experience as I-405, including:

- New payment options for customers: Pay By Plate and Pay By Mail
- Destination-based rates help manage traffic and provide more choices for drivers.
- Double-white lines in certain areas will help traffic flow.
- **Project status**  
Advancing preliminary engineering and environmental work.



*Currently SR 167 drivers do not have the option to pay for shorter trip. Drivers pay the same rate regardless of how far they travel in the HOT lane.*



# SR 167/SR 516 to S 277th St – Southbound Aux Lane

## Project overview

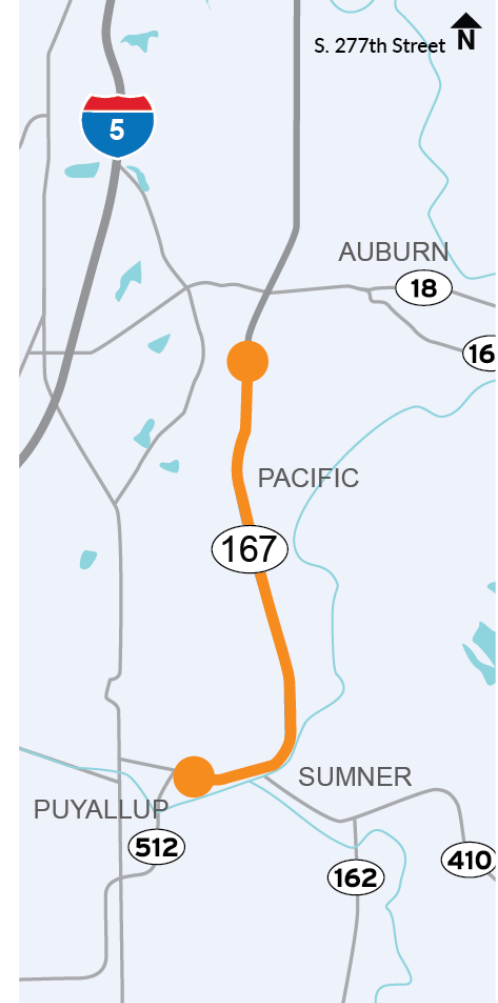
- Adds general purpose capacity for congestion chokepoint due to shifting traffic patterns.
  - Smooth out the heavy merging and diverging vehicles between these interchanges.
  - Improves operational performance.
- Advancing preliminary engineering and environmental work.





# Northbound SR 167 Express Toll Lane Extension

- **Project 1:** Builds HOV lane from SR 512/ SR 410 to SR 18.
  - Design-bid-build project on ad.
- **Project 2:** Completes ETL system by converting HOV lane to ETL.
  - Provides overall system benefit and improves transit operation on Tier 1 freight mobility corridor.
  - Advancing preliminary engineering and environmental work to be construction ready.





# I-405/SR 167 Corridor Program System Benefits

Delivering multimodal corridor vision built on partnership support.

- Reliable 50+ mile north/south alternative to I-5; STRAHNET – Strategic Highway Network.
- Toll revenue reinvested back into the corridor to connect urban centers, employment, and transportation nodes.
- Sound Transit BRT service connects to Regional Growth Centers and runs on ETL system.
- Dual ETLs improve speed and reliability across all lanes and move more people, more efficiently through the system.
- Opportunity to address critical fish barriers and environmental enhancements and repair infrastructure through capital improvements.

***It's not a matter of IF we deliver the system benefits, but WHEN.***



# Questions?

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Lisa Hodgson, P.E., DBIA  
Bernard van de Kamp

WSDOT, I-405/SR 167 Program Administrator  
Sound Transit, East Corridor Development Director

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# Meeting Topics

## January 2021 Meeting

- State of WSDOT
- WSDOT Traffic/Toll Trends
- I-405/SR 167 Corridor Update
- Sound Transit Update

## Future 2021 Meeting

- State of WSDOT
- Corridor Traffic/Toll Trends
- I-405/SR 167 Corridor Update
- Sound Transit Update
- Partner Updates

# Thank You

**I-405/SR 167 Corridor Program**  
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[www.wsdot.wa.gov/projects/i405/](http://www.wsdot.wa.gov/projects/i405/)