

# *Stride Bus Rapid Transit Update and Near Term Look-Ahead*

*System Expansion Committee*

*August 12, 2021*



# *Why we are here*

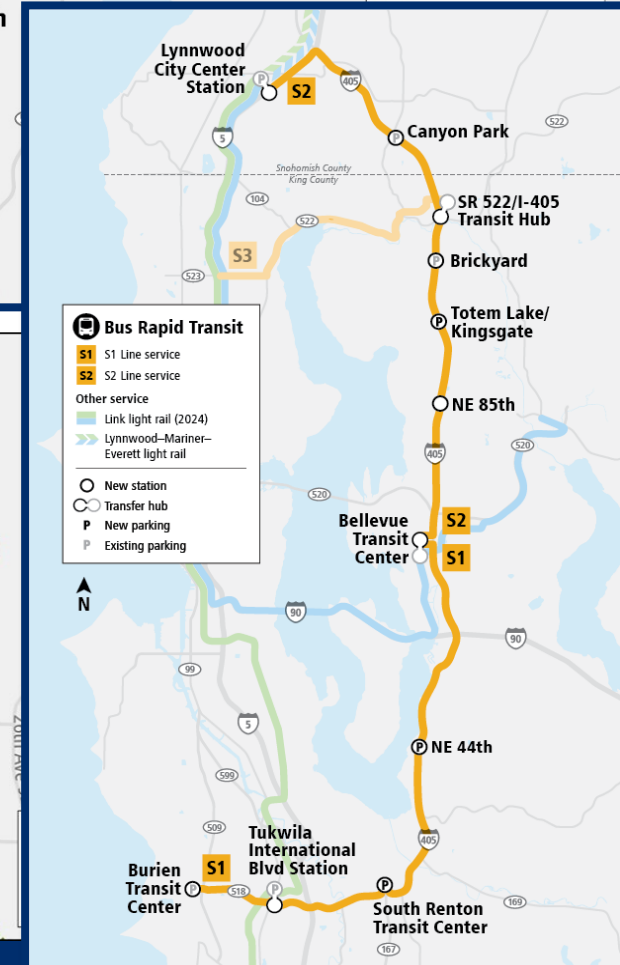
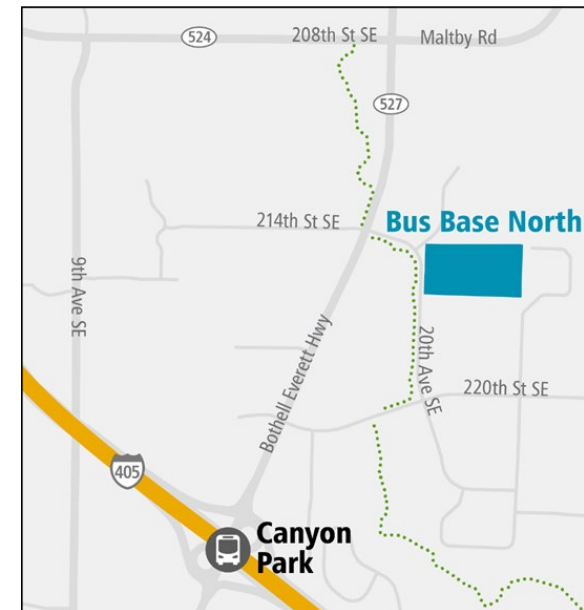
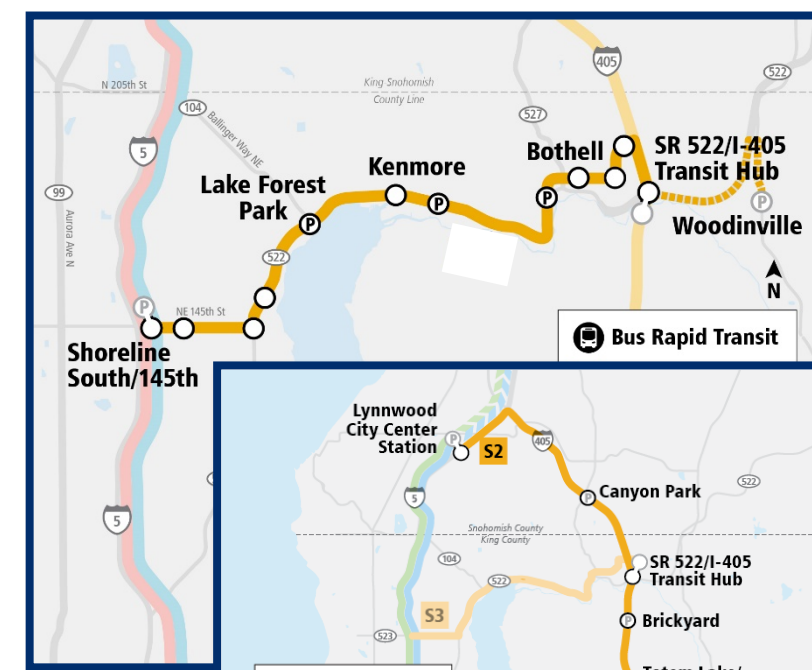
- BRT program readiness
- Potential cost reduction strategies
- Near term look ahead: actions through October

# *Program Readiness*

# Stride Program

## Bus Rapid Transit

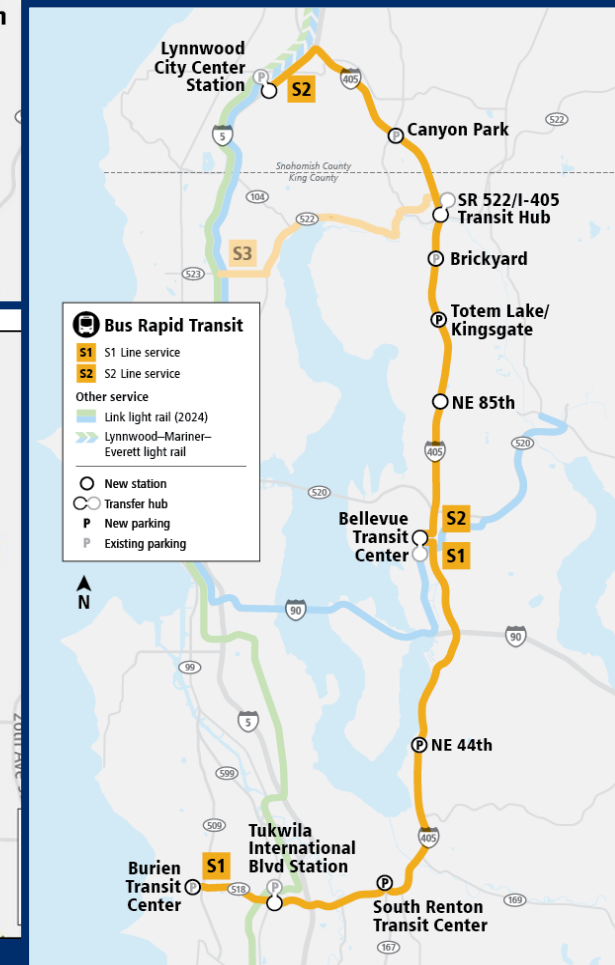
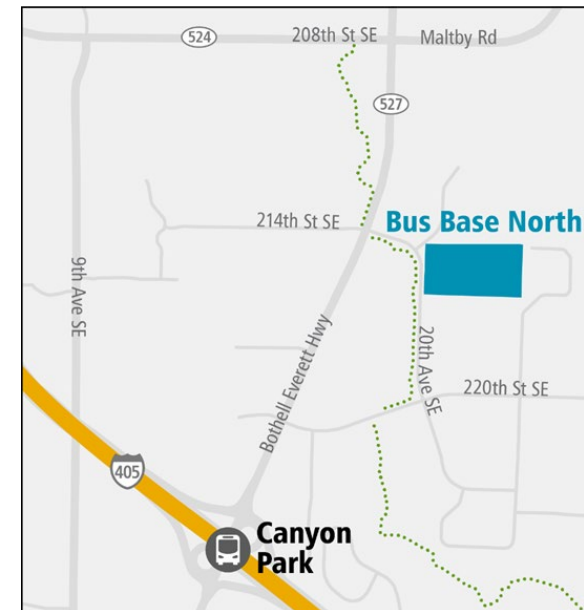
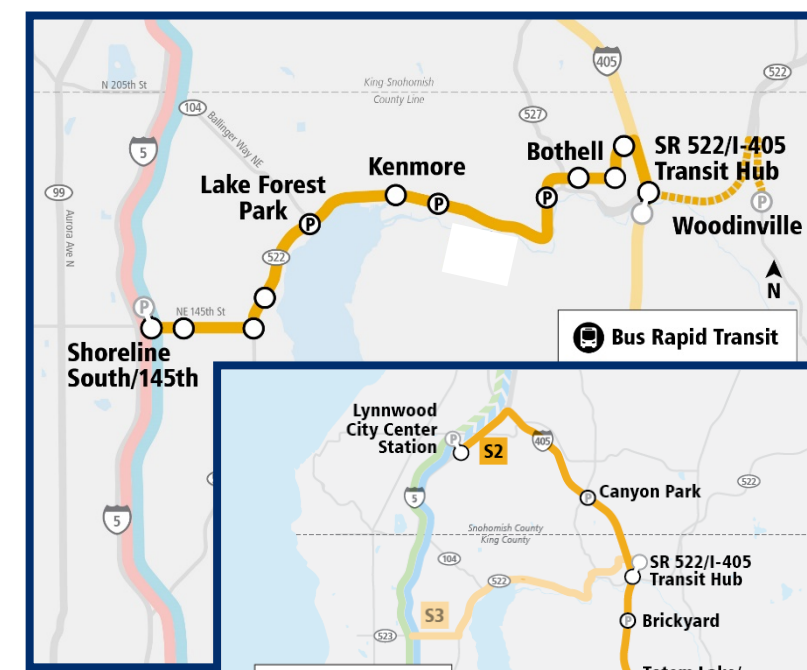
- S1: I-405 Burien to Bellevue
- S2: I-405 Bellevue to Lynnwood
- S3: SR 522 Bothell to Shoreline
- BRT Maintenance Base (“Bus Base North”)



# Stride Program Readiness

## Formal project definition

- Environmental complete
- Scope refined through preliminary engineering
- Selecting Project(s) to be Built decisions needed to advance program



# *Stride Program Readiness - continued*

Board Realignment Direction: Aggressive schedule

- 2025: Bus Base North
- 2026: I-405 South (S1), NE 85<sup>th</sup> (part of S2), and SR 522 BRT (S3)
- 2027: I-405 North (S2)
- 2034: Parking, except for Kingsgate (2035) and Lake Forest Park (2044)

Numerous pending actions needed

***Potential Cost Reduction  
Strategies and Project  
Definition***

# Stride: Cost Estimate Comparison

*In millions, 2019\$*

	2019	2020	2021 updated after TriUnity review
I-405 BRT (S1 & S2)	\$1,088	\$1,039	No change
SR 522/NE 145 <sup>th</sup> (S3)	\$658	\$544	No change
Bus Base North	\$208	\$238	\$290



# Stride

## Realignment:

- Current estimates and schedule are consistent with the Realignment Affordable Schedule
- Limited additional cost savings opportunities beyond those already incorporated into project development
- Value engineering will continue during final design as a cost containment and efficiency strategy

# *I-405 Stride*

## **Realignment:**

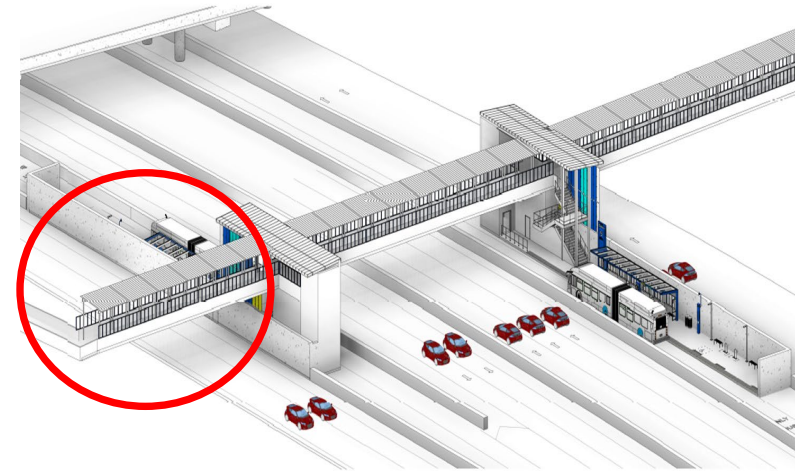
- Parking deferral reduces near term program costs by ~\$125-150m
  - Kingsgate (2035): 400 stall expansion - structure
  - North Renton (2034): 200 stalls - surface
  - South Renton (2034): 700 stalls – structure

# I-405 Stride

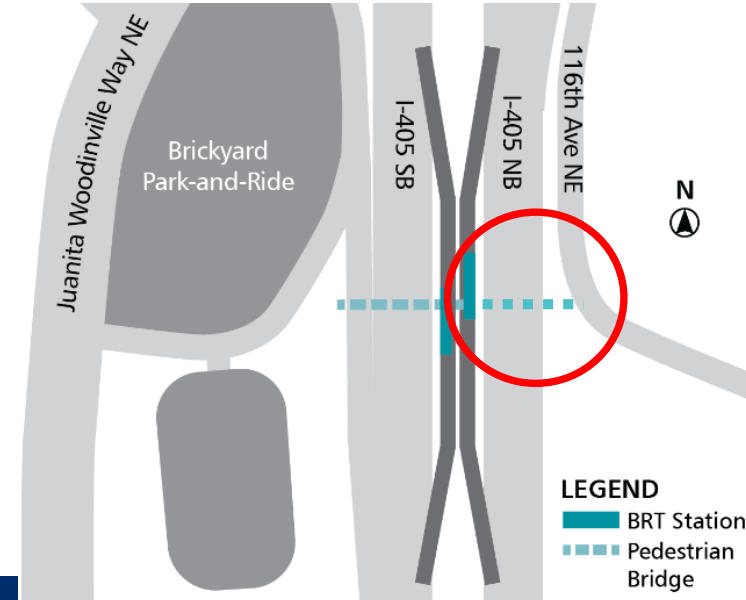
## Potential cost reductions:

- Tukwila Station: retain connection to existing light rail station immediately to the north and eliminate connection to the south
  - ~\$5m potential savings
- Brickyard Station: retain connection to existing park and ride to the west and eliminate connection to east
  - ~\$10-15m potential savings

Tukwila International Boulevard Station



Brickyard Station



# SR 522 Stride

## Project Development Refinements

- Reduced project costs by over \$100m (-17%)
  - Reduced extent of BAT lanes
  - Optimized intersections
  - Partnerships

## Realignment:

- Parking deferred to 2034/2044 reduces near term costs by ~\$150-175m
  - Lake Forest Park (2044): 300 stall structure
  - Kenmore (2034): 300 stall structure
  - Bothell (2034): 300 stall structure

# Stride bus base

	2019	2020	2021 updated after Triunity review
<b>BRT bus base north</b>	\$208m	\$238m	\$290m

## Potential Cost Savings Measures

- Reduce capacity of bus base to accommodate Stride coaches only: ~\$30m
  - Limits total capacity to 80 coaches instead of 120
  - Eliminates ability to house Snohomish County ST Express coaches



# *Program Schedule*

# *Stride Schedule*

**March 2021:** Program was trending toward 2026/27

- Paused actions: delayed and limited resources

**Now:** Additional five months delay, now trending towards 2027

- Identifying strategies to accelerate schedule
- Design and construction methods and duration
- Sound Transit policies and procedures
- Partners: review and permitting

Numerous Committee and Board actions are needed over the coming months

# ***Pending Project Actions***



# *Stride BRT*

## *August Committee and Board Actions*

- Bus Base North: Project to be built
- General Engineering Consultant: Increase capacity to originally planned

## *September Committee and Board Actions*

### ***I-405 BRT (S1 & S2):***

- Project to be built
- Tukwila International Blvd Station: WSDOT Project Development Task Order

### ***SR 522 BRT (S3):***

- Project to be built
- Right of way acquisition – initial group
- UW Bothell funding agreement

# Stride

## *October Committee and Board Actions*

### **SR 522 BRT (S3):**

- Shoreline funding agreement: Interchange Transit Project
- Bothell funding agreement: Stride Improvements

*Thank you.*

