

Stride

SR522 / NE 145th and I-405 Bus Rapid Transit Projects

Citizen Oversight Panel

06/20/19



Today's Presentation

Topics:

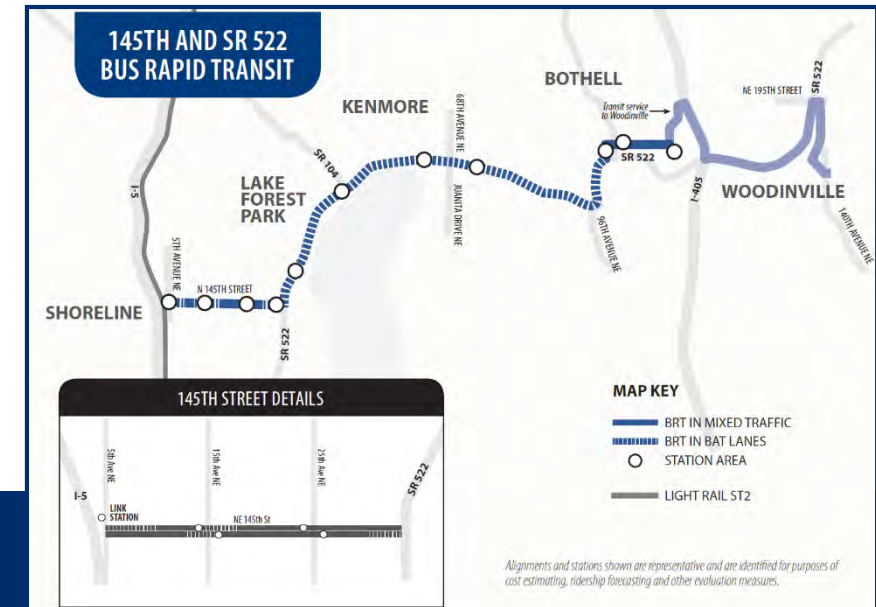
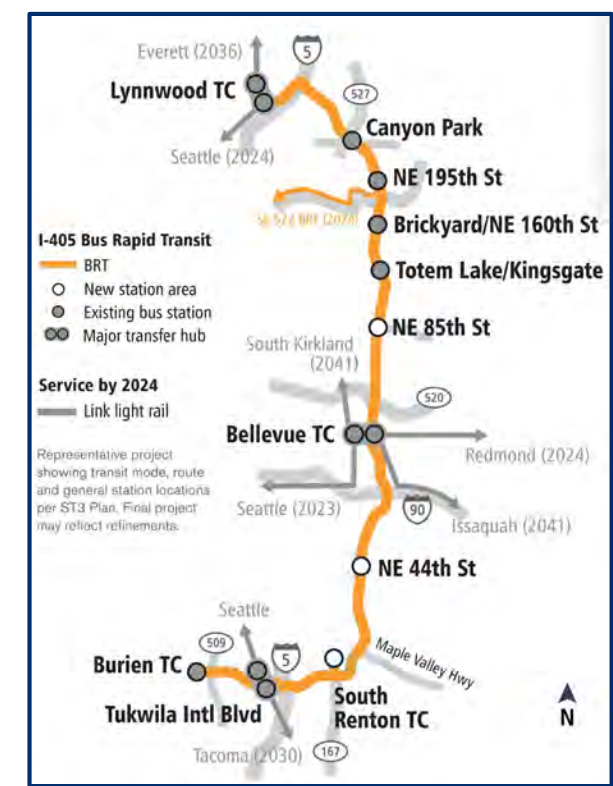
- New line of service: Stride
- Overview of projects
- Project refinements
- Progress of key project elements
- Phase 2 consultant contracts
- Next steps

A New Line of Business

- Opens in 2024
- Two Corridors (I-405 and SR 522/ NE 145th)

BRT Systems Elements of Success

- Transit speed, reliability and access improvements
- BRT stations (signage, shelter, amenities)
- Parking facilities
- New BRT bus fleet
- Bus operations and maintenance facility
- Branding
- Rider information system



BRT – New Line of Service

*Sound Transit welcomes
Bus Rapid Transit service*
Stride

Submark

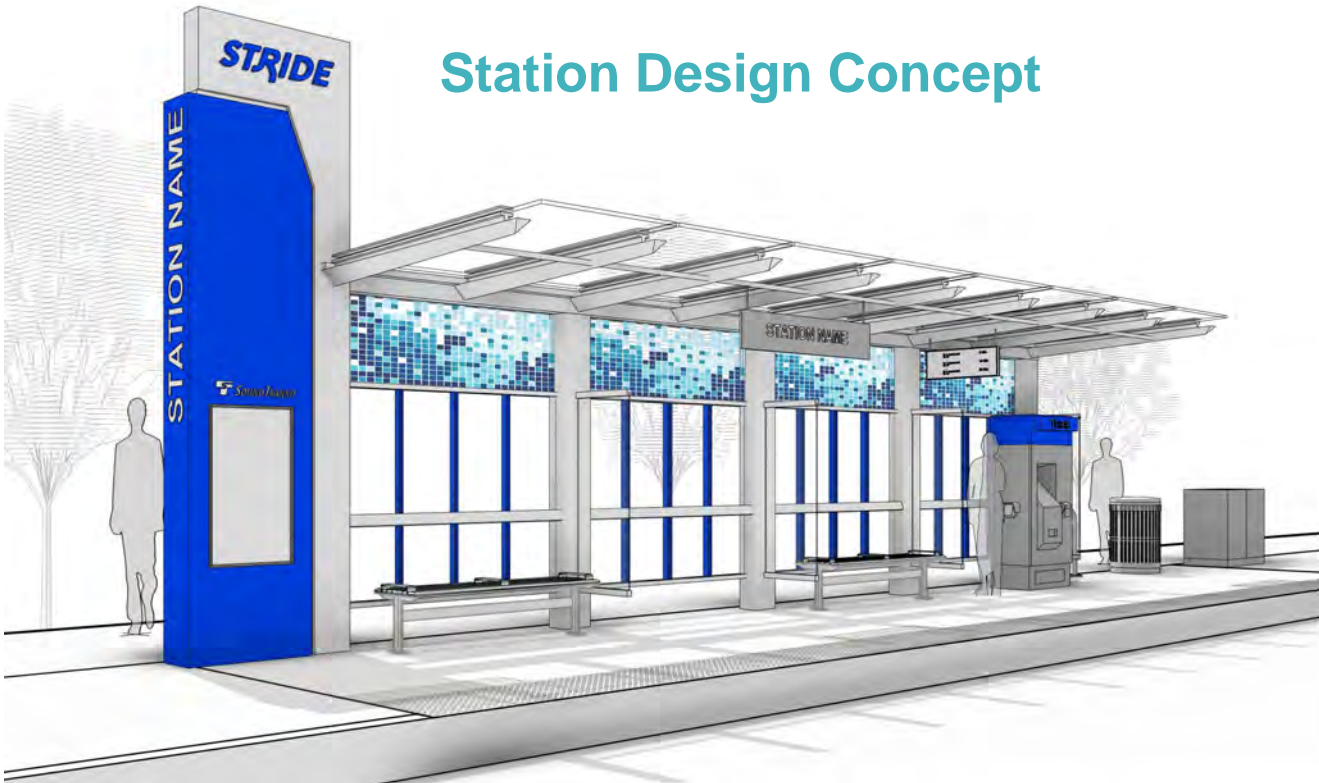
STRIDE

Graphic Element

“BRT Wave”



Station Design Concept



Color Palette

Primary Colors

Wave Blue

White

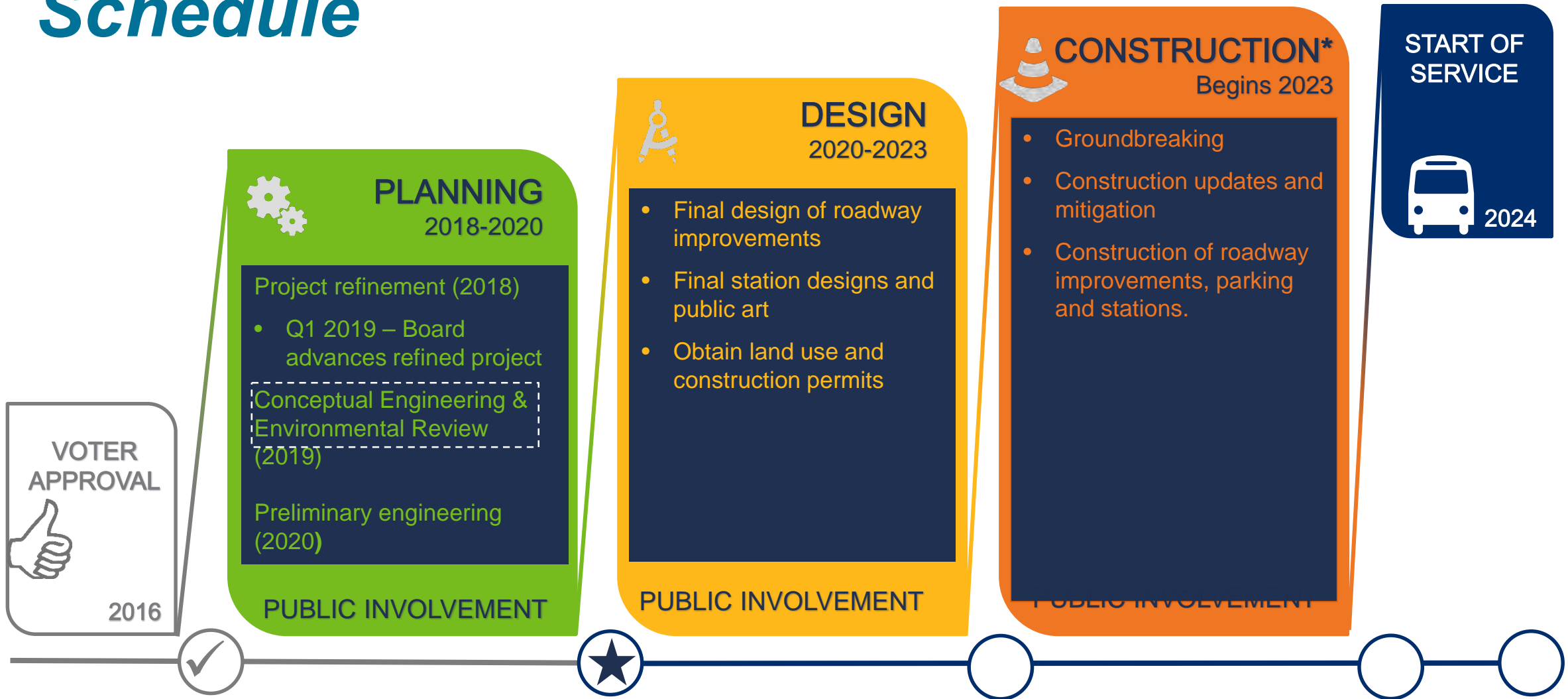
Secondary Colors

Golden
Ticket

Soft Teal

Light Gray

Schedule



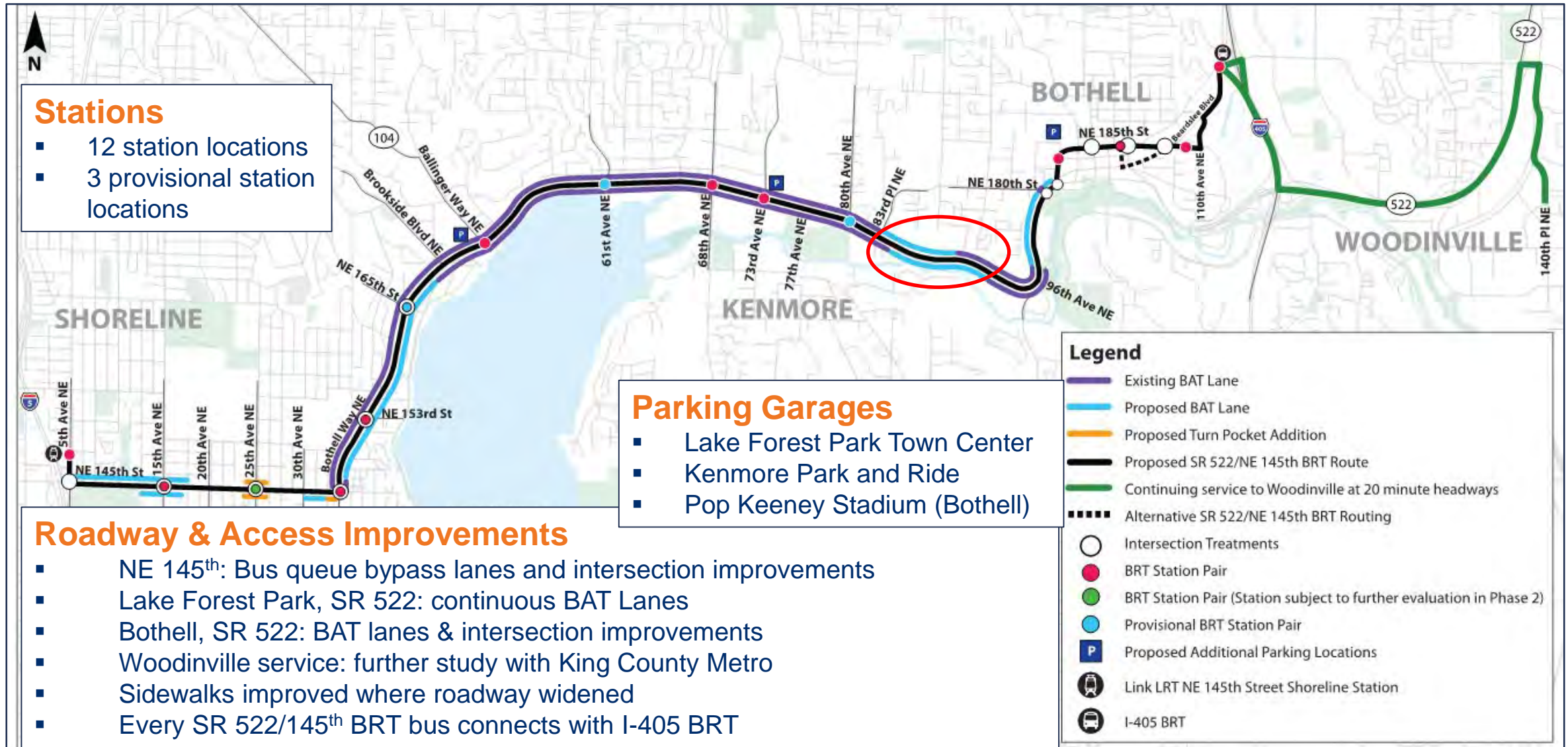
*Construction for most of the BRT projects are expected to begin by 2023 and be completed by 2024. Construction of some elements may begin before 2023 and others may occur after service starts in 2024.

SR 522 / NE 145th BRT Project Overview

- 8,000-9,000 daily riders
- 8 miles, 6 cities
- Transit speed and reliability improvements:
 - Business Access and Transit (BAT) lanes along SR 522
 - Intersection improvements/queue jumps
- 12 Stations:
 - 10 new station locations
 - Station at 145th LRT Station
 - Shared station at NE 195th with I-405 BRT
- 3 new parking facilities/access improvements



Project Refinements



SR 522 Bothell BAT Lanes Construction

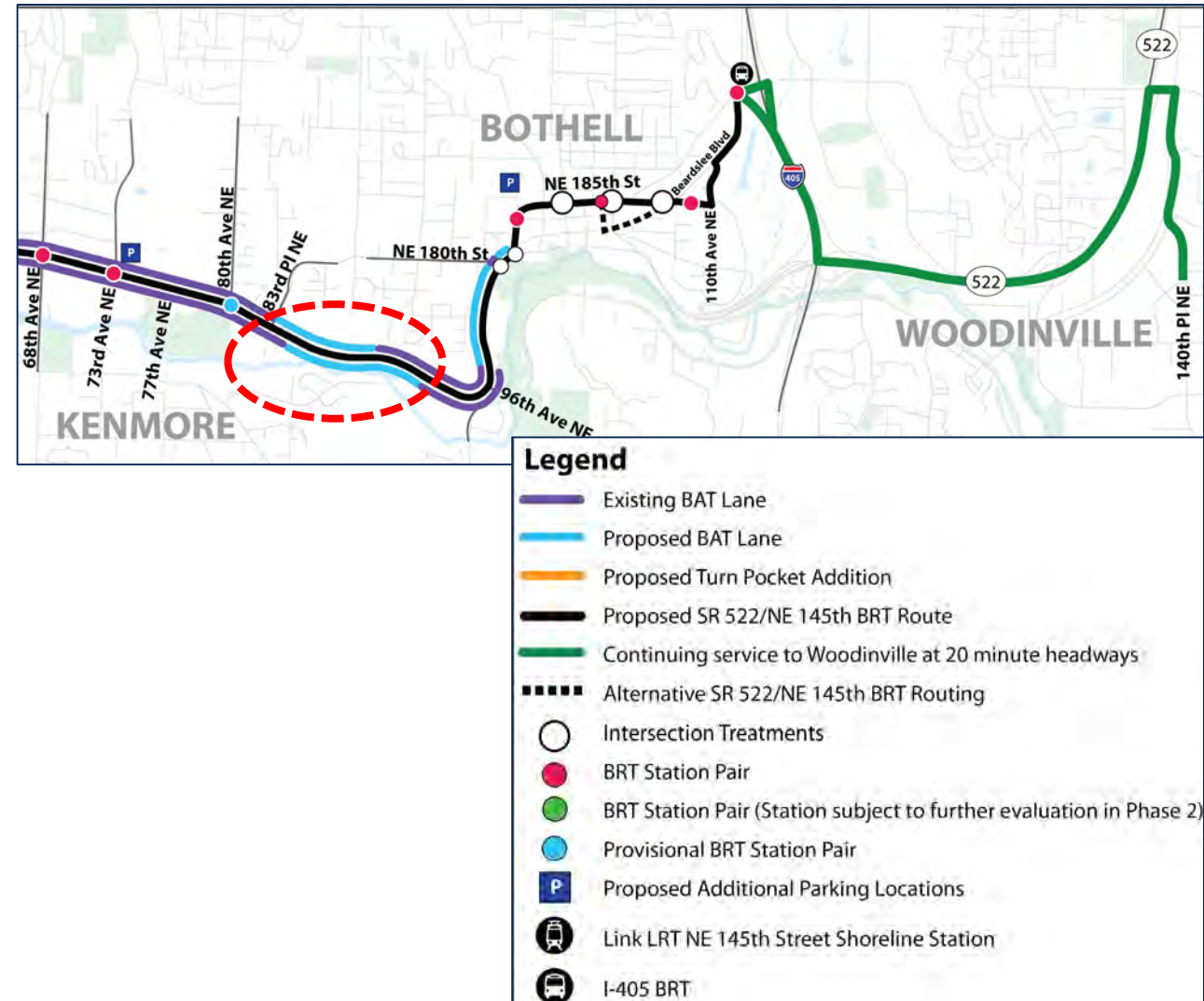
Ground breaking April 15, 2019



Bothell BAT Lanes

Key features:

- Funding construction of Business Access and Transit Lanes
- SR 522 / NE 145th BRT component funded in ST3
- Complete: Q4 2020
- Start of BRT service: 2024



SR 522 / NE 145th BRT Phase 2

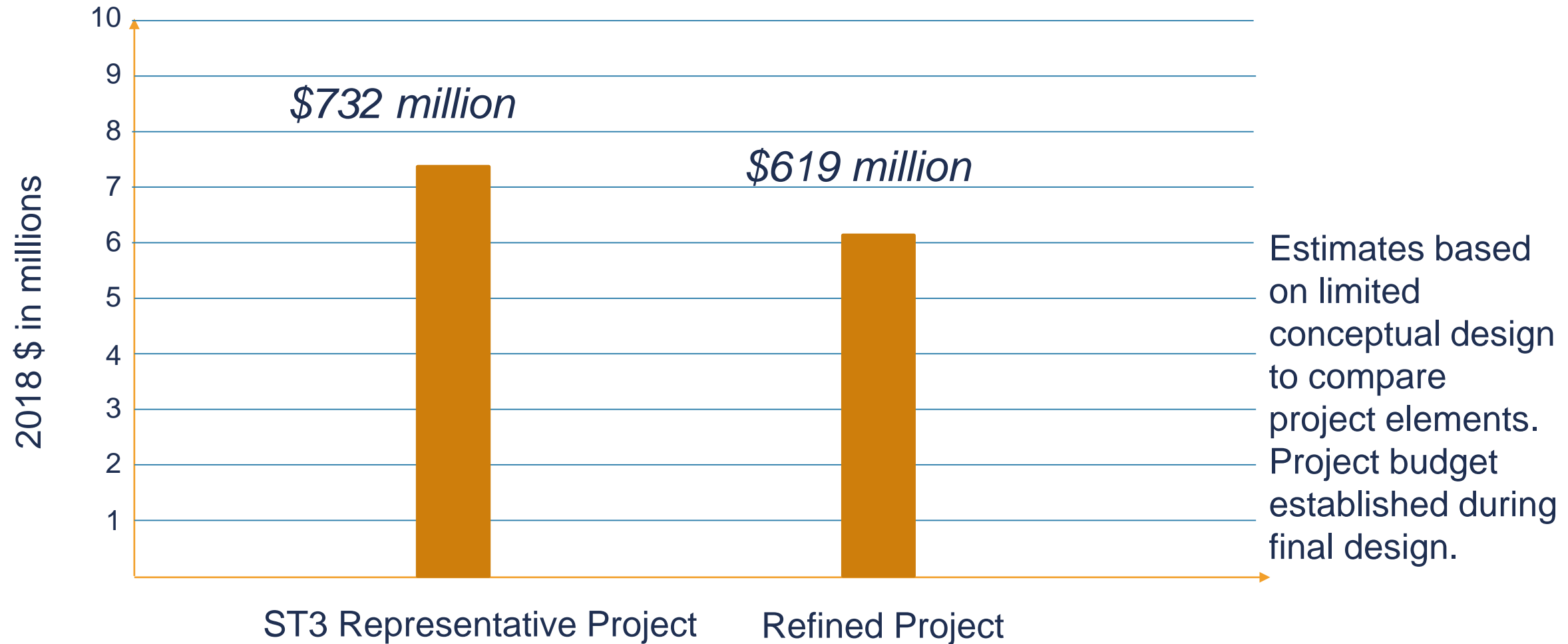
David Evans & Associates scope of work:

- **Conceptual Design**
 - Fieldwork, data collection and technical studies
 - Stakeholder involvement
 - Roadway, station area, and parking facilities designed to 10 percent
- **Environmental Review with SEPA Checklist**
 - Expanded checklist process
 - Stakeholder involvement and sufficiency for cities' SEPA needs

Preliminary Estimate

- Using ***consistent*** methodology: 2018\$; construction, real estate, etc.
- Based on ***limited design*** (1-2%): 2018\$; updated construction figures, updated real estate, etc.
- Estimates ***do not*** establish project budget:
Project budget established during final design

Preliminary Estimate



Preliminary Estimate

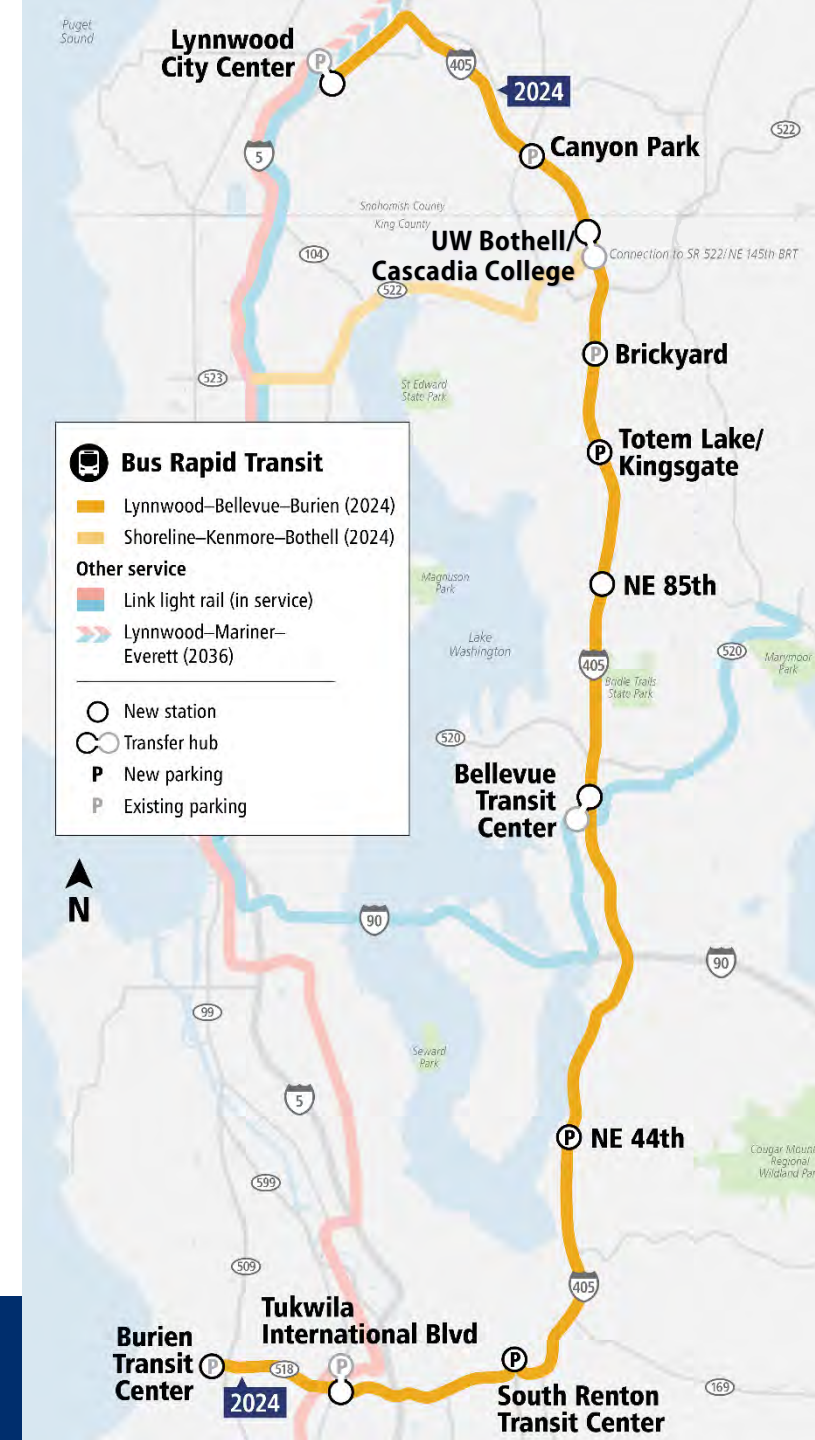
Key Drivers

- **Property Acquisition**
- **Construction/Design, market conditions:**
 - Structured parking construction
 - Bridge structures for stream crossings
 - System needs (rider information, etc)
 - BRT station refinements (e.g., double platforms)
 - Streetscaping

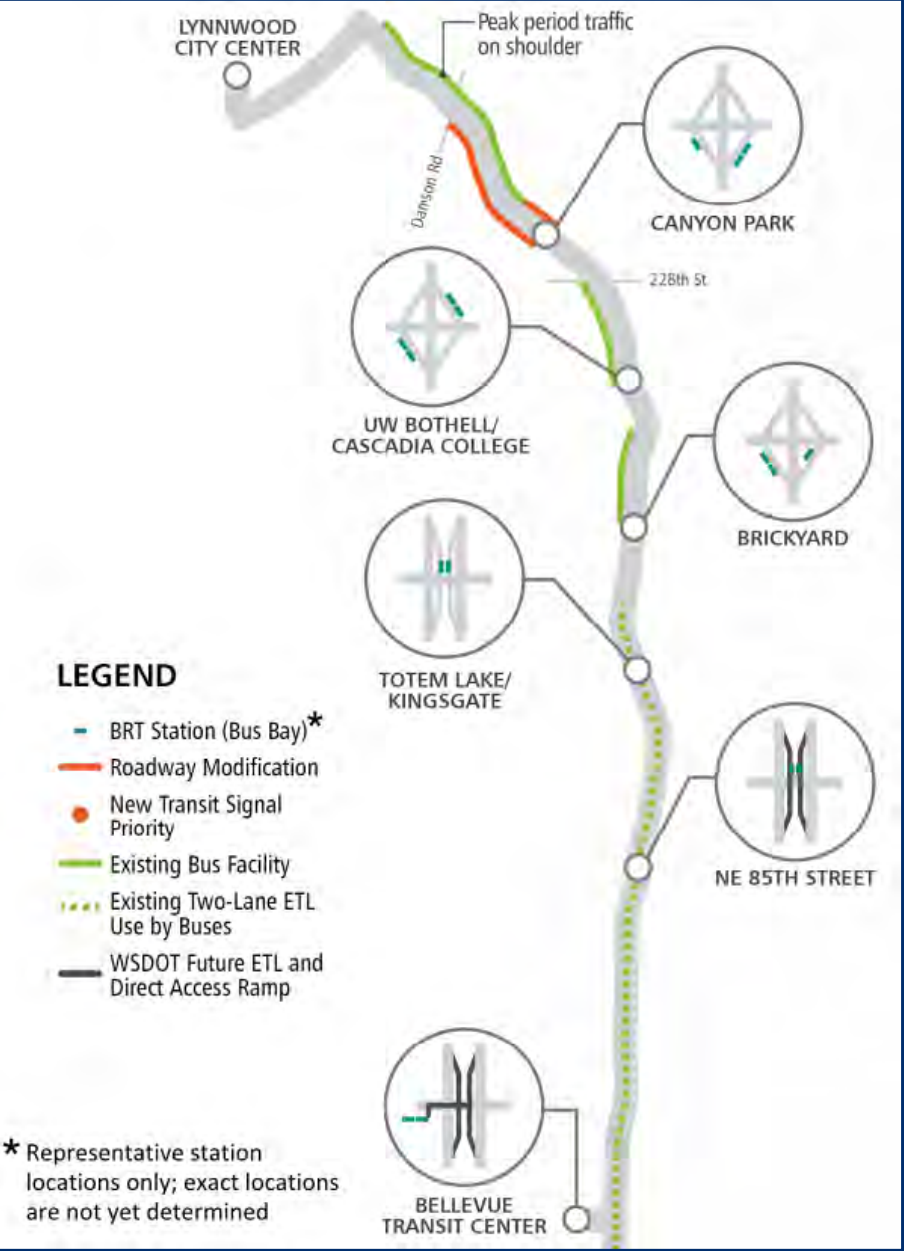
I-405 BRT Project

37-mile corridor: Lynnwood to Burien

- **Proposed refined project:**
 - 11 BRT stations across 8 cities
 - 3 new/expanded parking facilities
 - 1 transit center
 - Connections to Link light rail in Lynnwood, Bellevue and Tukwila
 - Estimated 25,800 riders daily by 2040
- **Start of service in 2024**

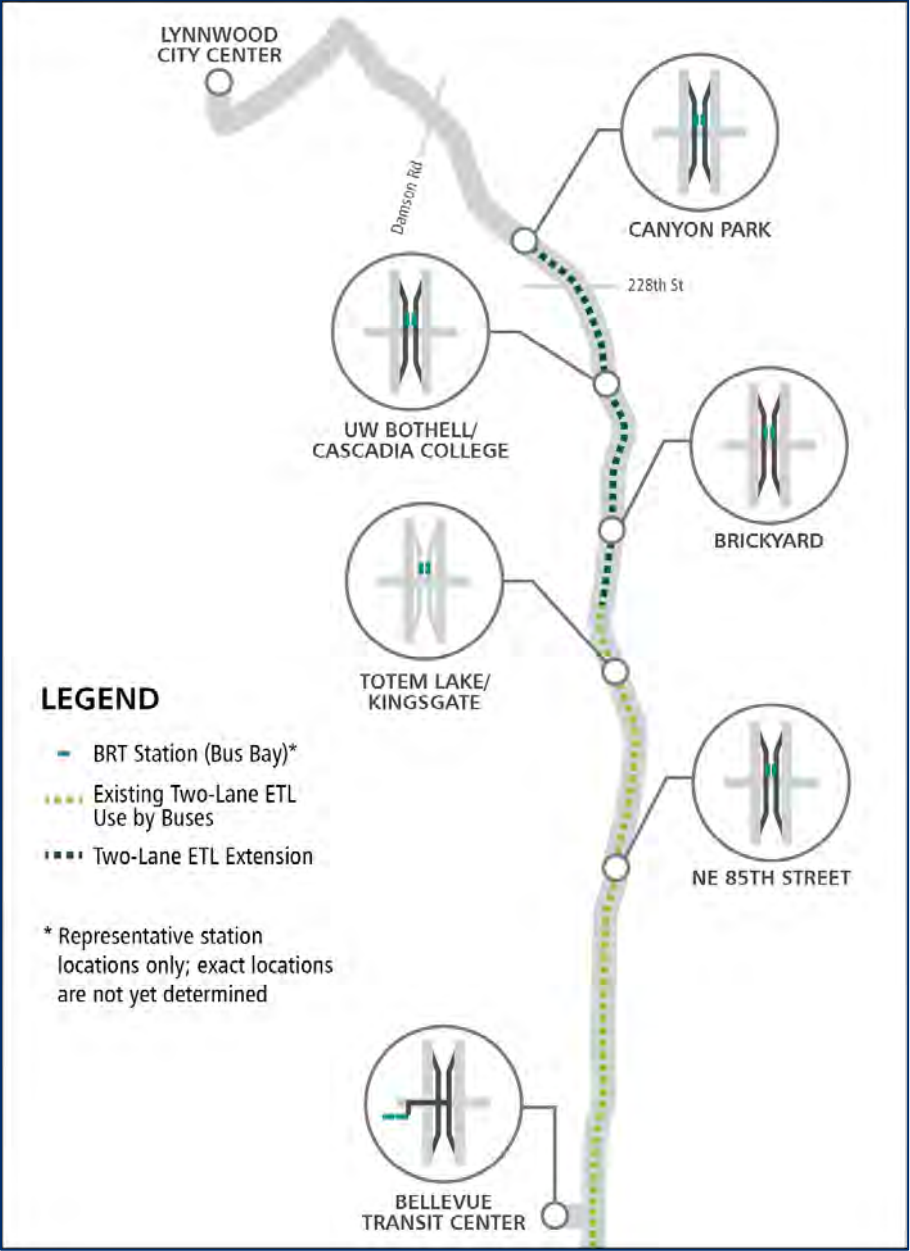


Proposed Project Refinements: North Line



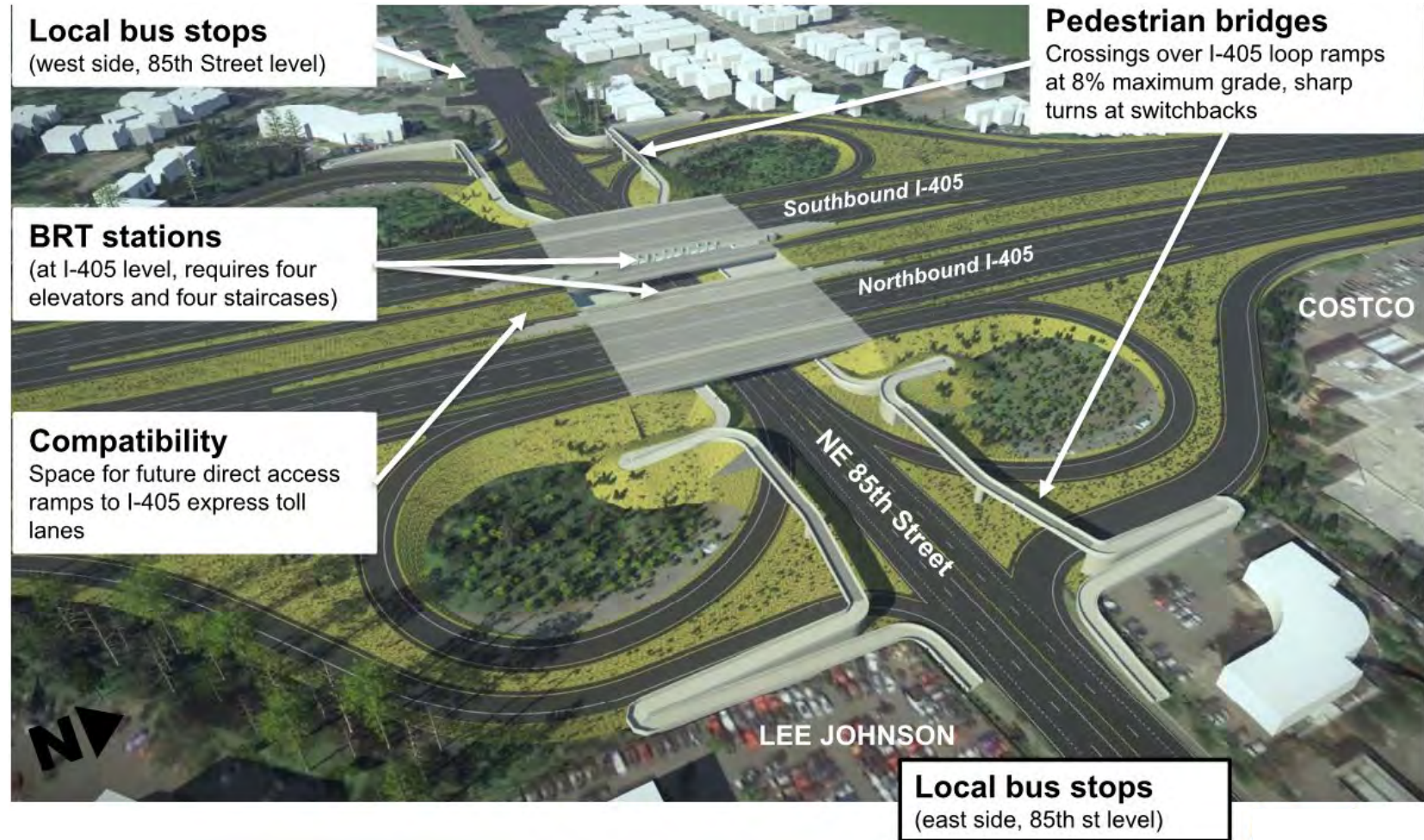
	Refined	Proposed	% Change
AM peak travel time (SB)	55	33	-40%
PM peak travel time (NB)	45	29	-36%
Daily ridership	10,000	12,200	22%

I-405 BRT with I-405 ETL Project



I-405/NE 85th Street Interchange

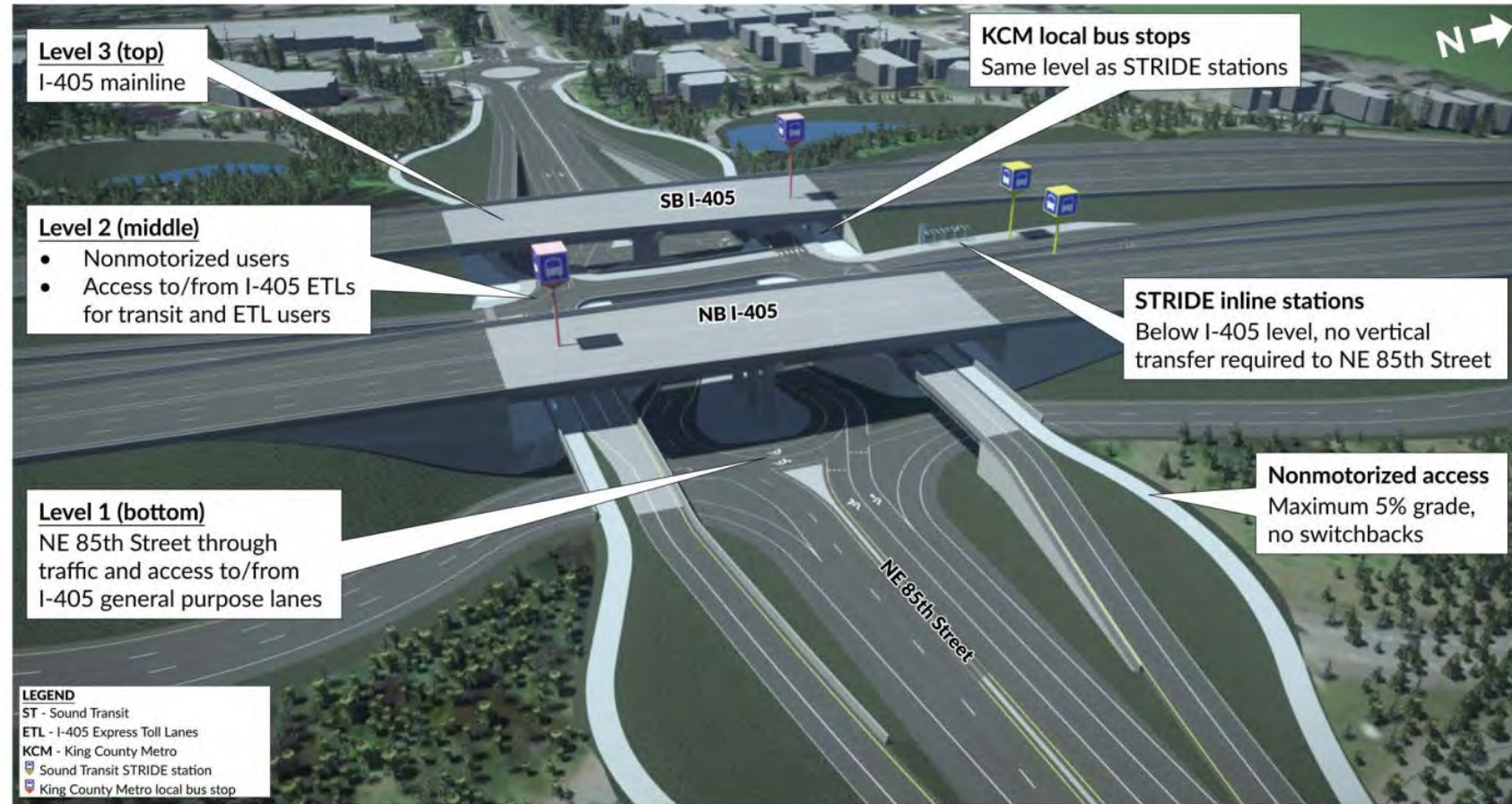
Representative Project



I-405/NE 85th Street Interchange

Project Description:

- Construct a three-level interchange with inline BRT station, direct access ramps to ETLs, and local roadway improvements
- Fully funded by Sound Transit



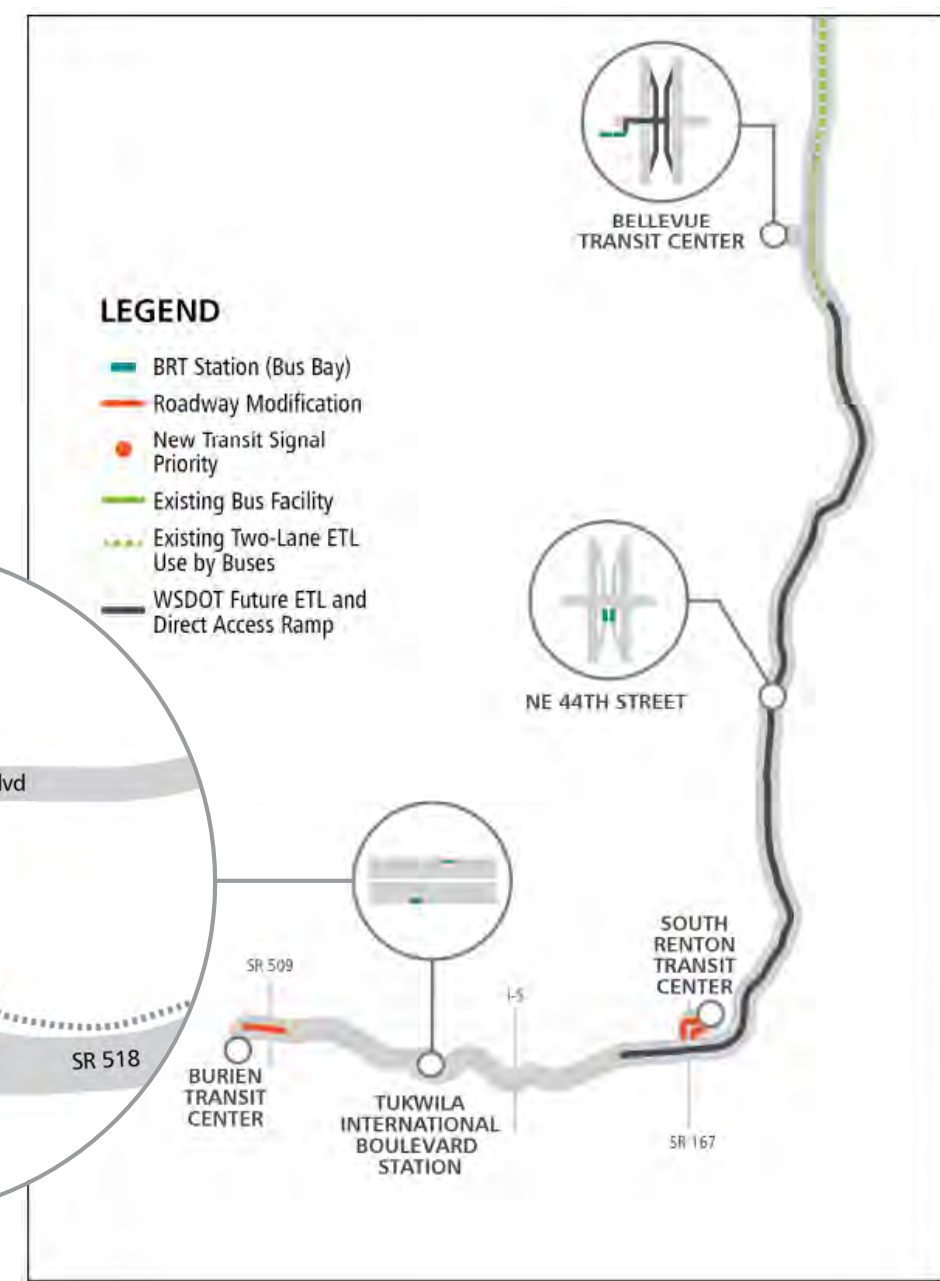
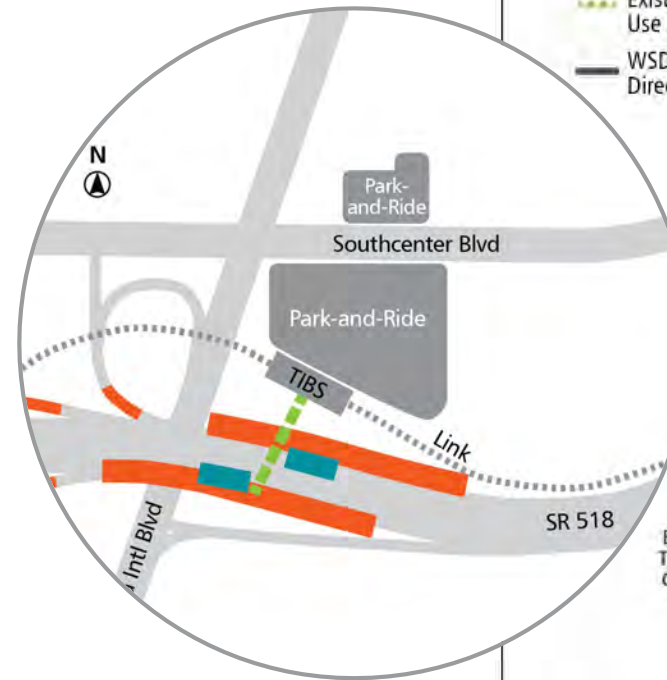
I-405/NE 85th Street Interchange



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



I-405/NE 44th Street Interchange

- **WSDOT Renton to Bellevue Express Toll Lane Project**
 - Signed (capped) funding agreement
 - BRT Station Pad
 - Pedestrian access and amenities for Park and Ride to stations
 - Sound Transit portion of direct access ramps
- **200 stall Park and Ride**
 - Sound Transit to deliver
 - Sound Transit Board has authorized purchase



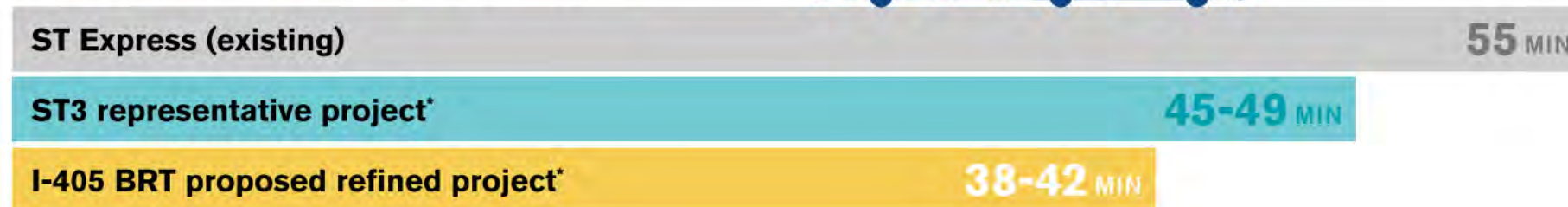
I-405 BRT travel times

AM peak hour travel times to Bellevue

North Line – Lynnwood to Bellevue



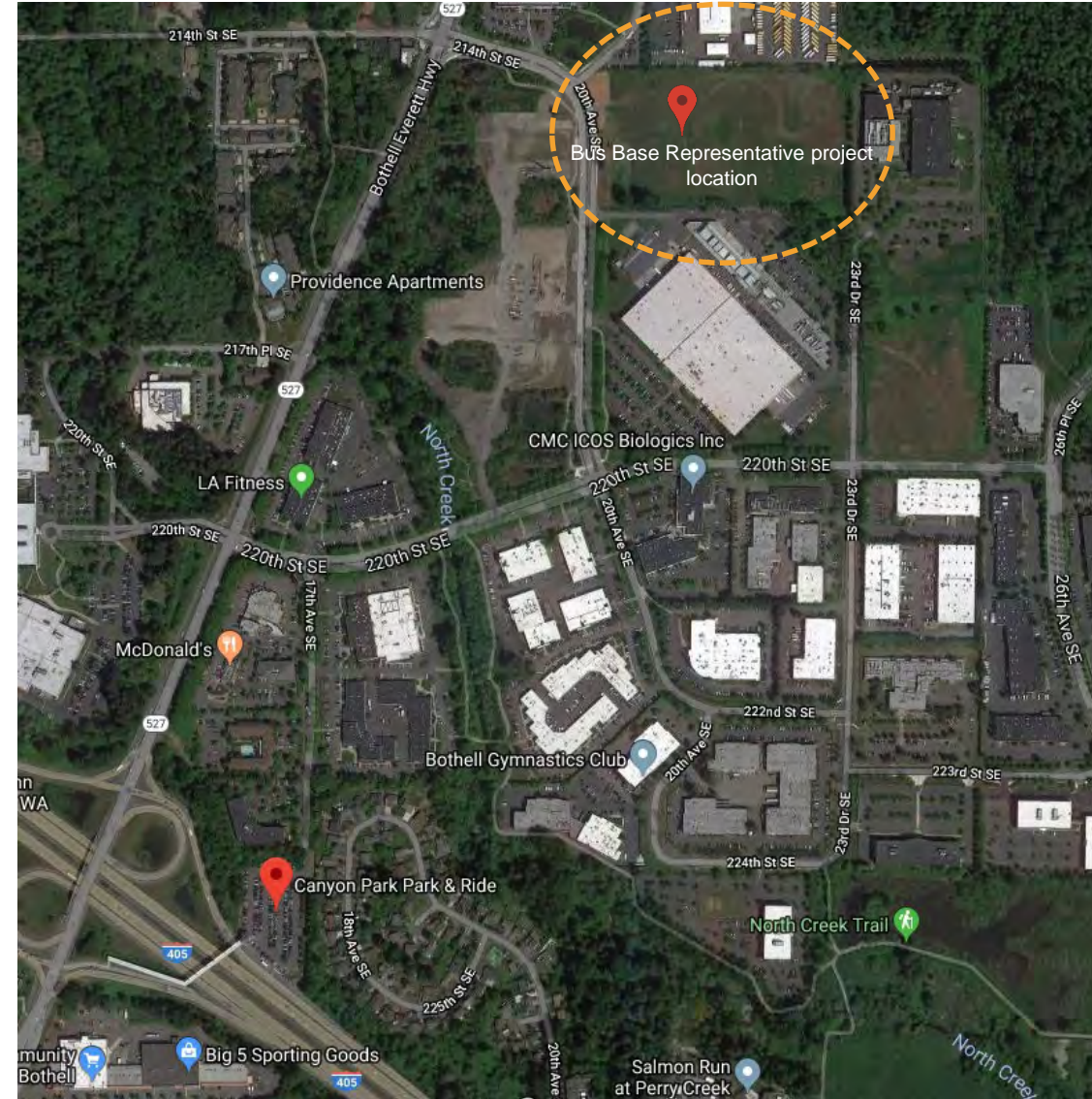
South Line – Burien to Bellevue



* 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.

Bus Base North

- Critical Path – Complete by 2023 for vehicle fleet
- Screening of 30+ sites
- Representative site: Canyon Park, Bothell
- Possession and use



I-405 BRT Phase 2

WSP USA, Inc. Scope of work:

- **Conceptual Design**
 - Fieldwork, data collection and technical studies
 - Stakeholder involvement
 - Advance design for stations and other work (survey, geotech, ROW)
 - Evaluate potential BRT vehicle Fleet
- **Environmental Review: Develop NEPA/SEPA documentation**

Preliminary Estimate



Thank you.



 *soundtransit.org*

