



I-405 Bus Rapid Transit

Elected Leadership Group Meeting
February 15, 2019

Agenda

- *Welcome and Introductions*
- *Public Comment*
- *Stakeholder Involvement Update*
- *I-405 BRT Refined Project*
- *ELG Roundtable*
- *Phase 2 Planning Process*
- *Future Involvement of the ELG*
- *Next Steps and Action Items*



Public comment



Stakeholder Involvement

Outreach to date

- 2 in-person open houses
- 2 online open houses
- 13 community briefings
- 6 fairs and festivals
- 2 project mailings
- 4 ELG meetings
- 10 IAG meetings



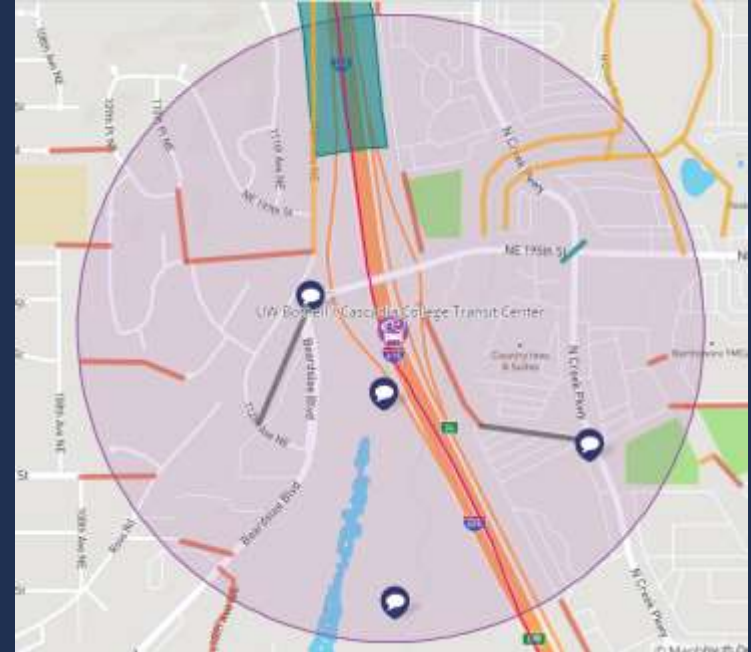
Winter 2019 outreach

- Online Open House (January 8 – February 14)
- Attendance at 8 community briefings; reached 200+ people
- Project mailing



What we're hearing

- Station access (bus connections, car/bike parking, non-motorized, drop-off options)
- Station operations (44th, 85th)
- Questions about transfers and connections to existing service
- Suggestions for additional/different station locations
- Safety and security





***Project Updates:
I-405 BRT Refined Project***

I-405 BRT Project

37-mile corridor: Lynnwood to Burien

- 11 BRT stations across 8 cities
- Connect to Link light rail in Lynnwood, Bellevue and Tukwila
- 3 new/expanded parking facilities
- 1 transit center
- Estimated 25,800 riders daily by 2040



Project Refinements North



ST3 Project Elements

- Moving Forward
- No Longer Considered

Project Refinements

- Project Refinements

Route and Lane Types

- █ BRT in Existing Express Toll Lanes
- █ BRT in Future Express Toll Lanes
- █ BRT in General Purpose Lanes
- █ Existing Bus On Shoulder
- █ Proposed Bus On Shoulder (Project Refinement)

Station and Corridor Improvements

- Station Improvement
- Corridor Improvement

Scale and Orientation

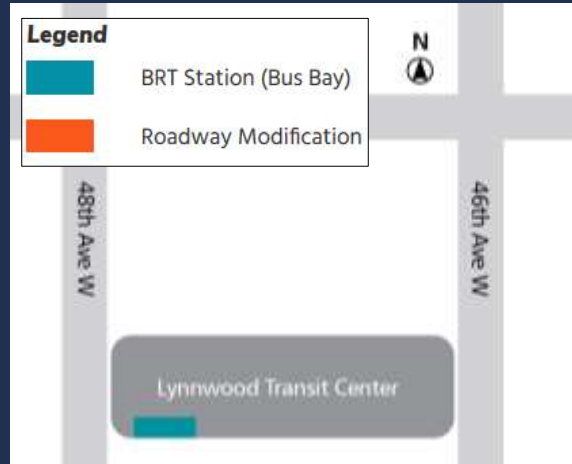
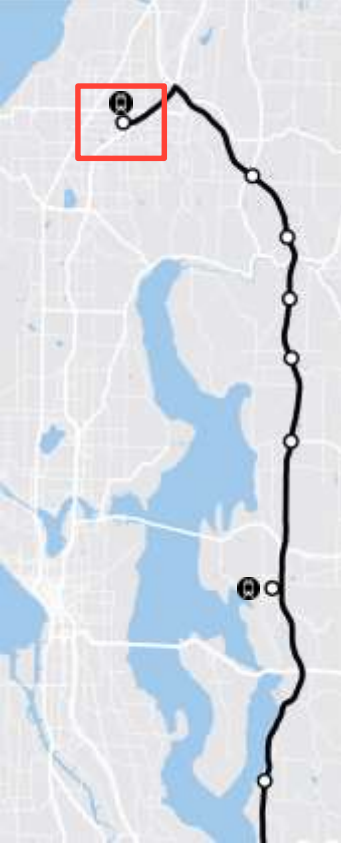
0 1 2 Miles



BRT STATION

Lynnwood City Center (Lynnwood)

Refined Project

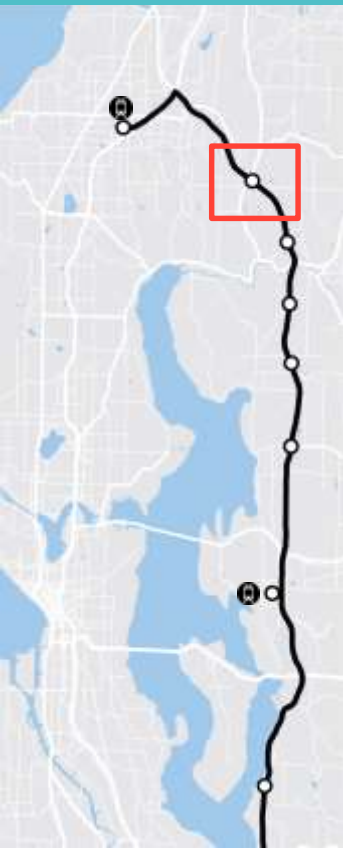


- BRT Station at existing Lynnwood Transit Center*
- Riders will be able to transfer from I-405 BRT to Link light rail
- Lynnwood Link Service anticipated to begin in 2024
- Transit speed and reliability improvements

**Representative station location only; exact bay location at transit center is not yet determined*



BRT STATION



Canyon Park (Bothell)

Refined Project

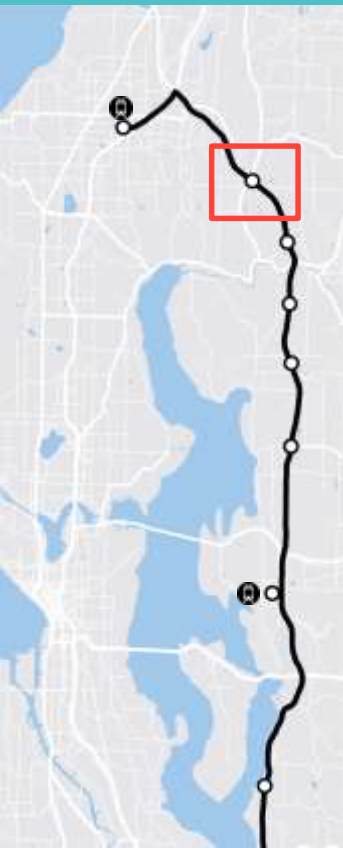


- Located at the existing northbound and southbound bus stops on the SR 527 bus-only ramps*
- Sound Transit will work with Community Transit in Phase 2 clarify possibility for shared station platforms
- Includes ramp modifications and transit speed and reliability improvements

**Representative station location only; exact location is not yet determined*

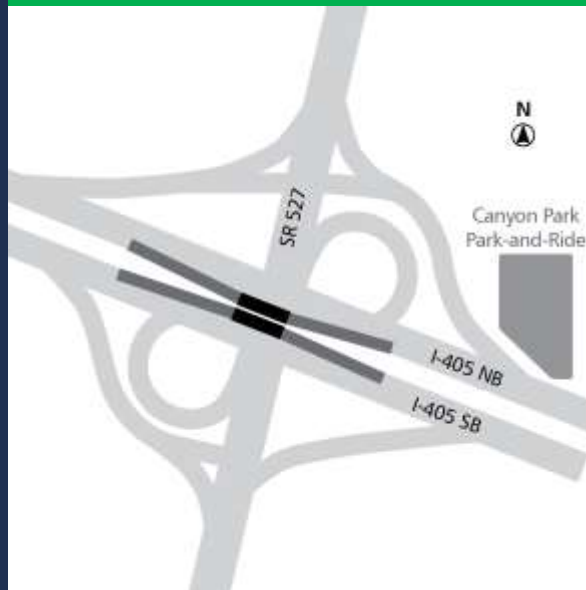


BRT STATION



Canyon Park (Bothell)

WSDOT Forward Compatibility



Legend	
	BRT Station (Bus Bay)
	Roadway Modification
	New Transit Signal Priority (TSP)
	WSDOT Future FTI, and Direct Access Ramp

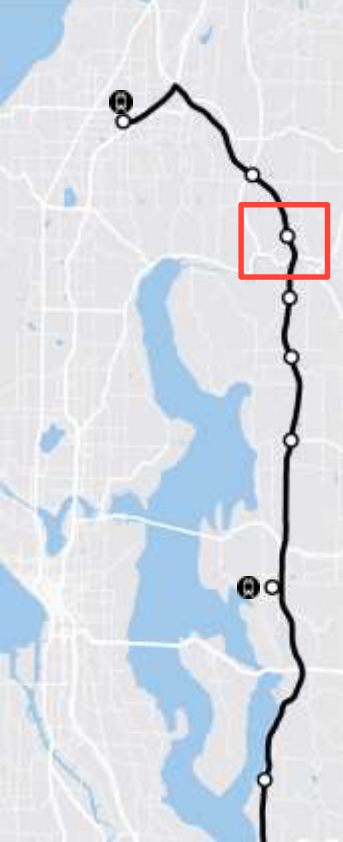
- Sound Transit is coordinating with WSDOT's SR 522 to SR 527 Capacity Improvements Project
- I-405 BRT will benefit from use of Express Toll Lanes
- Requires inline BRT station* at Canyon Park

**Representative station location only; exact location will be coordinated with WSDOT.*



BRT STATION

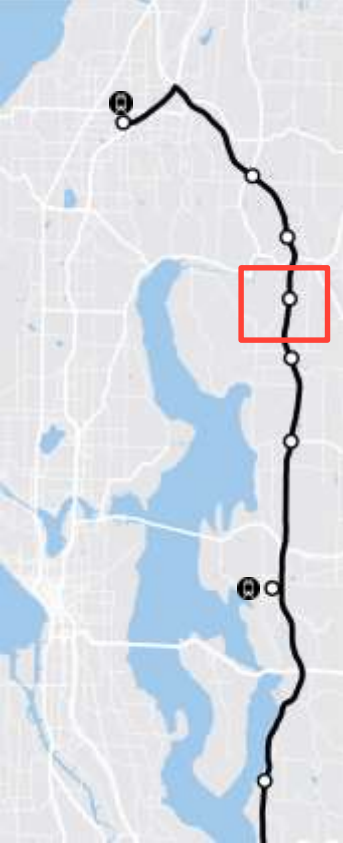
UW Bothell/Cascadia College (Bothell)



- Bothell connection workshop to be rescheduled



BRT STATION



Brickyard (Bothell)



Refined Project

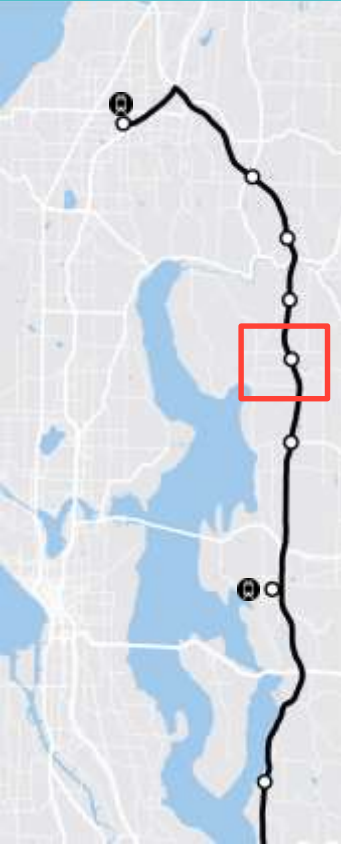
- Serves the existing Brickyard Park-and-Ride
- Transit speed and reliability improvements

WSDOT Forward Compatibility

- Sound Transit is coordinating with WSDOT's SR 522 to SR 527 Capacity Improvements Project and the City of Bothell



BRT STATION



Totem Lake/Kingsgate (Kirkland)



Legend

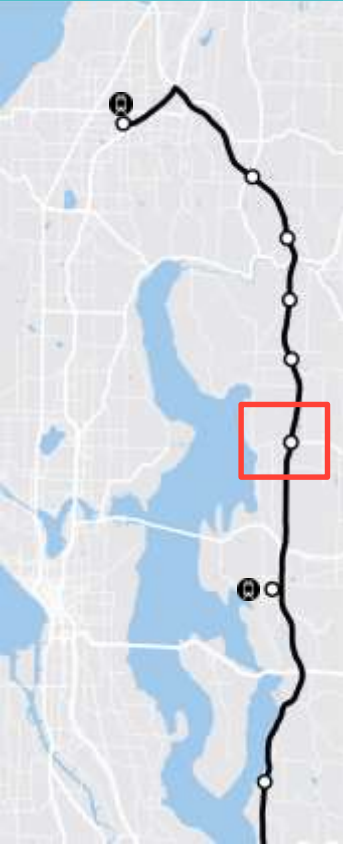
-  BRT Station (Bus Bay)
-  Existing Bus Facility

Refined Project

- BRT station will be located at the existing Totem Lake freeway station
- 600-stall parking garage (for a net gain of 400 stalls) at the adjacent Kingsgate Park-and-Ride



BRT STATION



NE 85th Street (Kirkland)



Legend

-  BRT Station (Bus Bay)
-  Roadway Modification
-  New Roadways (serving inline station, local transit, and ETL access)

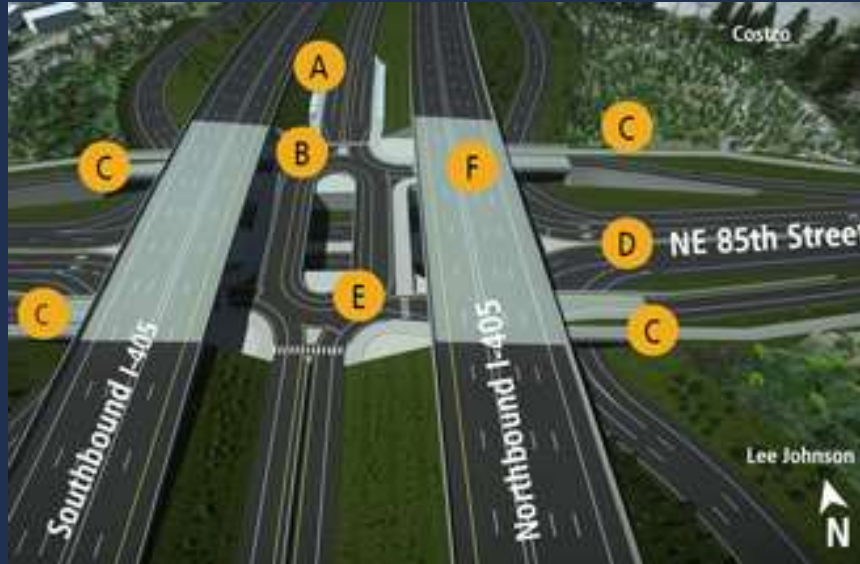
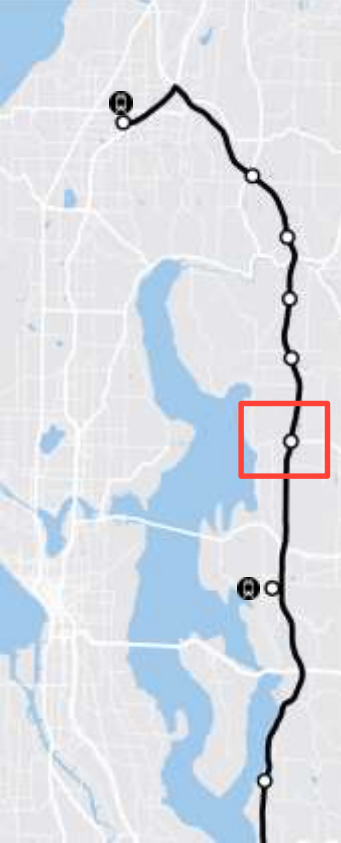
Refined Project

- Project partnership with WSDOT
- New three-tiered interchange with In-line BRT station and I-405 ETL access
- Local bus connections at same level as BRT stations serving downtown Kirkland and Redmond



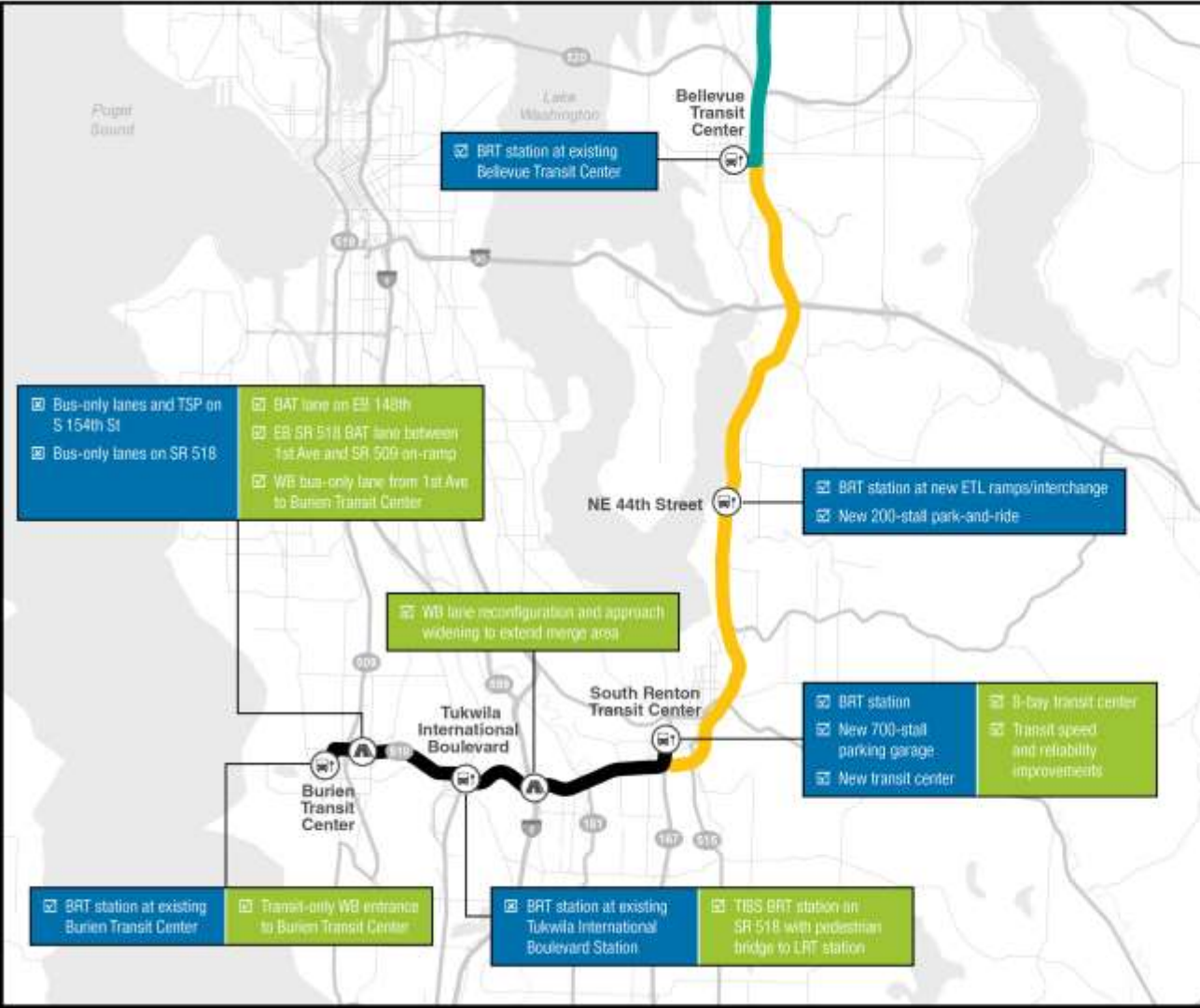
BRT STATION

NE 85th Street (Kirkland)



- A BRT stations:** below I-405 level, no vertical transfer required to reach NE 85th St
- B Local bus stops:** at same level as BRT stops
- C Non-motorized pathways:** similar to existing grade on NE 85th St
- D Level 1 new (bottom):** for through traffic on NE 85th St
- E Level 2 (middle):** non-motorized, transit and access between I-405 express toll lanes and NE 85th St
- F Level 3 (top):** I-405 mainline

Project Refinements South



ST3 Project Elements

- Moving Forward
- No Longer Considered

Project Refinements

- Project Refinements

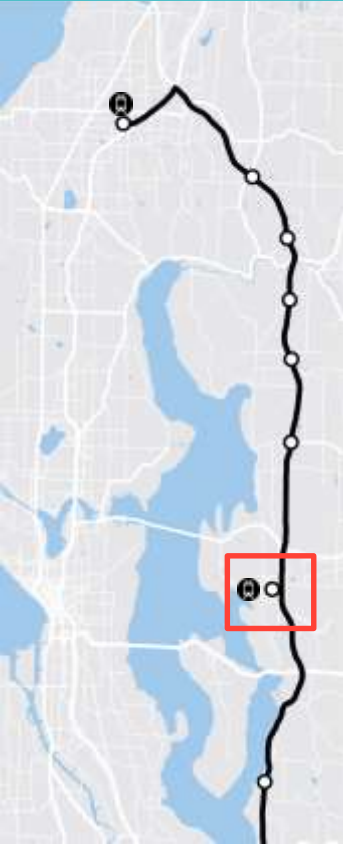
Legend:

- █ BRT in Existing Express Toll Lanes
- █ BRT in Future Express Toll Lanes
- █ BRT in General Purpose Lanes
- ▬▬▬ Existing Bus On Shoulder
- ▬▬▬▬▬ Proposed Bus On Shoulder (Project Refinement)
- Station Improvement
- Corridor Improvement

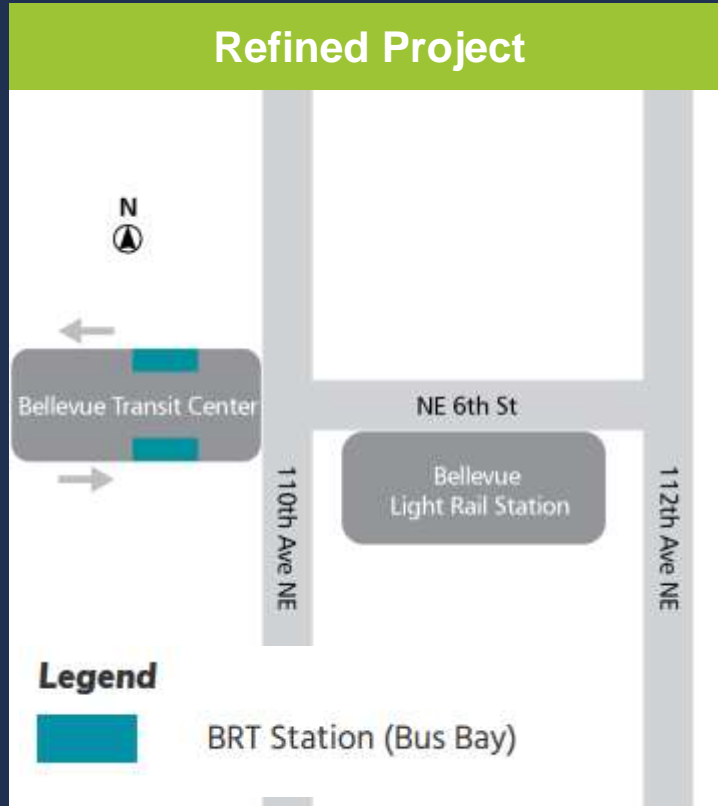
Scale: 0 1 2 Miles



BRT STATION



Bellevue Transit Center (Bellevue)

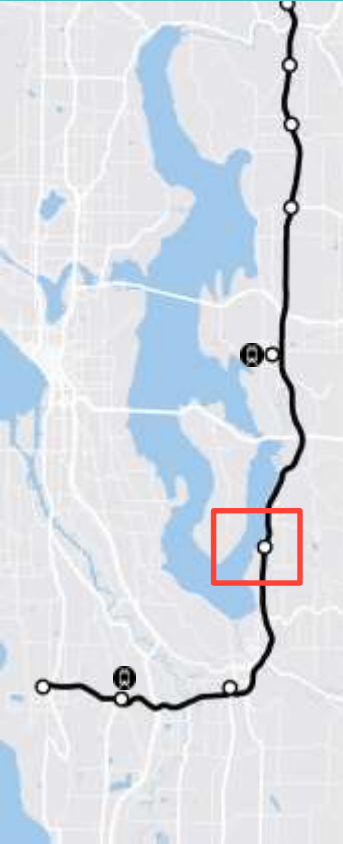


- BRT Station at the Bellevue Transit Center*
- Connection to local bus service and future Bellevue Downtown Link light rail station
- East Link Extension service anticipated to begin in 2023

**Representative station location only; exact bay location at transit center is not yet determined*



BRT STATION



NE 44th Street (Renton)

Refined Project

- WSDOT I-405 Renton to Bellevue Widening and Express Toll Lanes Project
 - I-405/NE 44th Street interchange improvements with new direct access ramps
 - NE 44th Street BRT station (inline freeway station)
- 200-stall park-and-ride to be delivered by Sound Transit

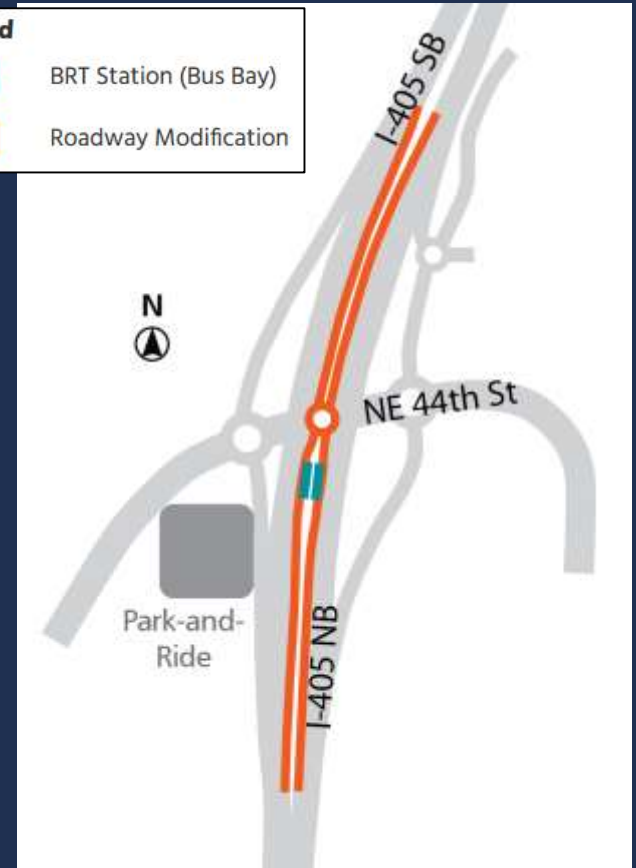
Legend



BRT Station (Bus Bay)



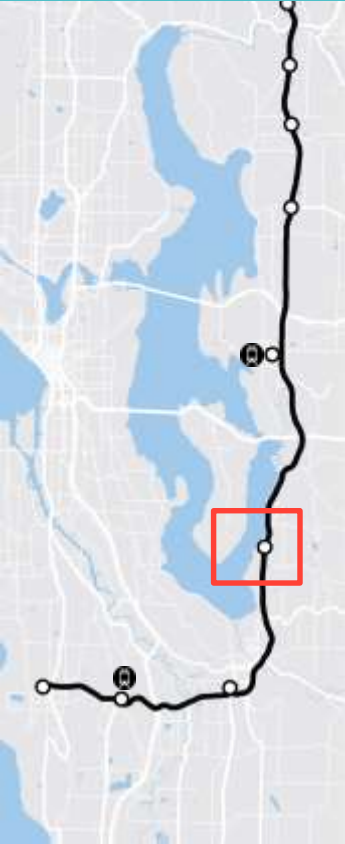
Roadway Modification





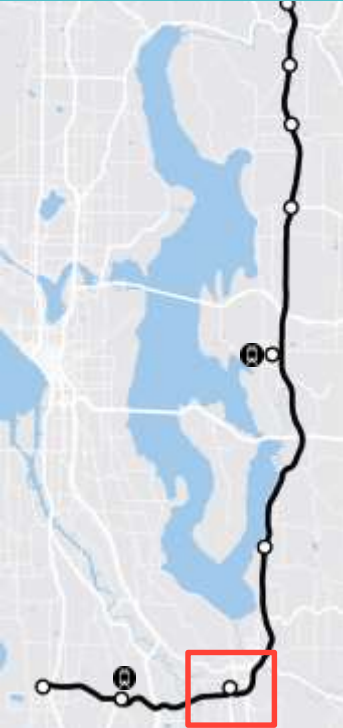
NE 44th Street (Renton)

BRT STATION





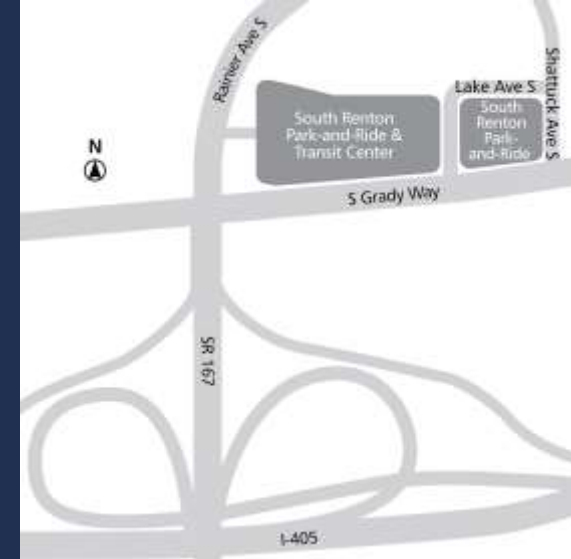
BRT STATION



South Renton Transit Center (Renton)

Refined Project

- New transit center at Rainier Ave/Grady Way
- 700-stall parking garage
- BRT station
- Integrating transit services with the existing South Renton Park-and-Ride, operated by King County Metro and owned by WSDOT
- Evaluating transit speed and reliability improvements to/from transit center





BRT STATION



Tukwila International Boulevard (Tukwila/SeaTac)



- Tukwila International Boulevard BRT station along SR 518 (new freeway station)
- Connects to light rail station with new pedestrian bridge and elevators/stairs
- Provides connections to local bus service and light rail
- Coordinating with SR 518 Feasibility Study (WSDOT/Port of Seattle)



BRT STATION



Burien Transit Center (Burien)

Refined Project

- BRT station at Burien Transit Center*
- Transit center operated by King County Metro
- Connections to local bus service
- Evaluating transit speed and reliability improvements to/from transit center

**Representative – bay location not yet determined*

Legend



BRT Station (Bus Bay)



Roadway Modification



Preliminary ridership (2042)

	ST3 Representative Project		Refined Project		% change
	Low	High	Low	High	
North corridor boardings	8,600	11,600	9,600	13,000	+12%
South corridor boardings	7,800	10,600	9,600	12,800	+22%
Total boardings	16,400	22,200	19,200	25,800	+17%

Preliminary BRT travel times (2025)

Refined Project	AM Peak Period		PM Peak Period	
	NB	SB	NB	SB
North corridor travel time	30-33	46-51	40-43	36-39
South corridor travel time	38-42	35-39	40-44	39-43

- Times shown in minutes
- Ranges account for variation across period, final station placement
- North: up to 5 minutes faster than representative project
- South: 7-9 minutes faster than representative project

Project Summary

- Refined project:
 - 11 BRT stations across 8 cities
 - 3 new/expanded parking facilities
 - 1 transit center
- Preliminary estimate: Approximately \$1 billion (2018\$)
 - Estimate for comparative purposes
 - Does not establish project budget
- Start of service in 2024



Project Partnerships

- Thank you to our regional partners!
 - Lynnwood, Bothell, Kirkland, Bellevue, Renton, Tukwila, SeaTac, Burien
 - WSDOT
 - Port of Seattle
 - King County Metro
 - Community Transit
 - SR 522/NE 145th BRT project team and partners



ELG Roundtable



ELG Roundtable

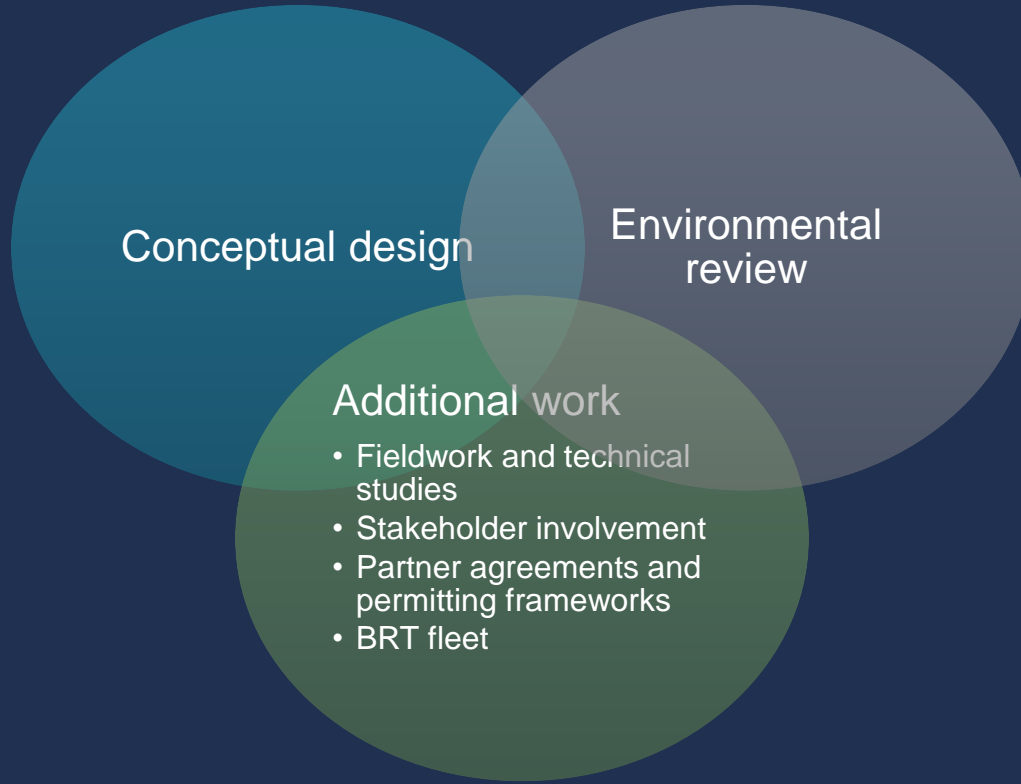
- Project issues, challenges, & opportunities
- What are you hearing?



Phase 2 Planning Process

Phase 2

Conceptual Engineering and Environmental Review





Future Involvement of the ELG

Future Involvement of the ELG

- Final meeting of Phase 1
- Additional opportunities to coordinate in the future
- Questions?

Next Steps & Action Items

brt@soundtransit.org
soundtransit.org/system

