

Bus Rapid Transit Projects

Overview

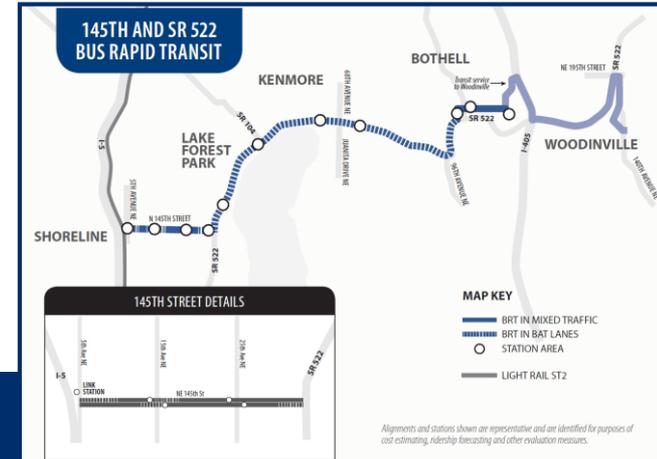
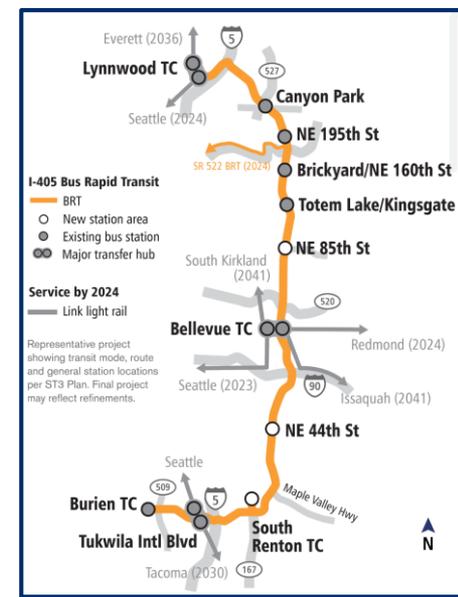
03/14/19

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



Bus Rapid Transit – New Line of Service

*Sound Transit welcomes **STRIDE***



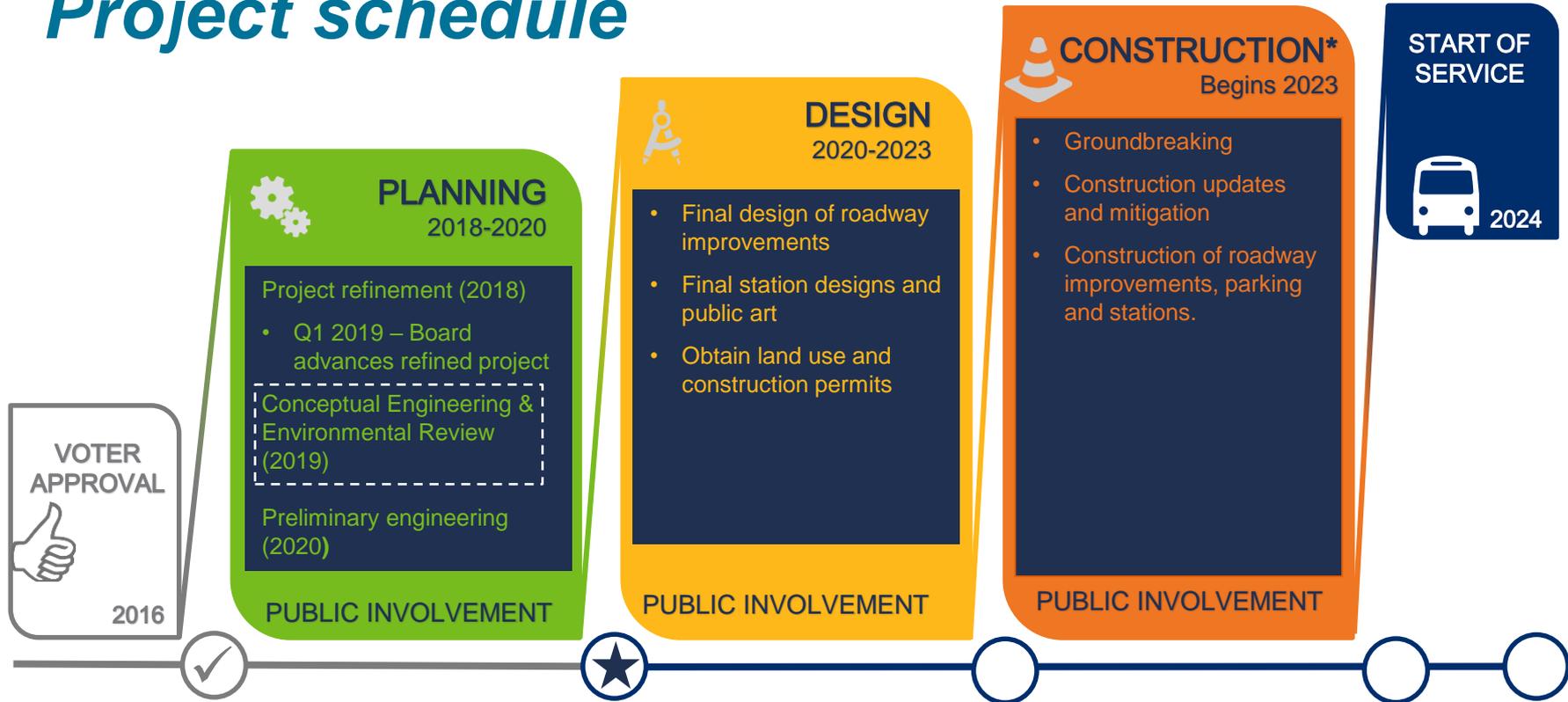
Station Design Concept

Environmental Approach



- **Environmental Review of BRT Program**
 - SR 522/NE 145th BRT
 - I-405 BRT
 - Bus Base North (Operation and Maintenance Facility)
- **Components with independent utility being advanced separately**
 - NE 44th (I-405), NE 85th (I-405), and Bothell BAT Lanes (SR 522)

Project 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.

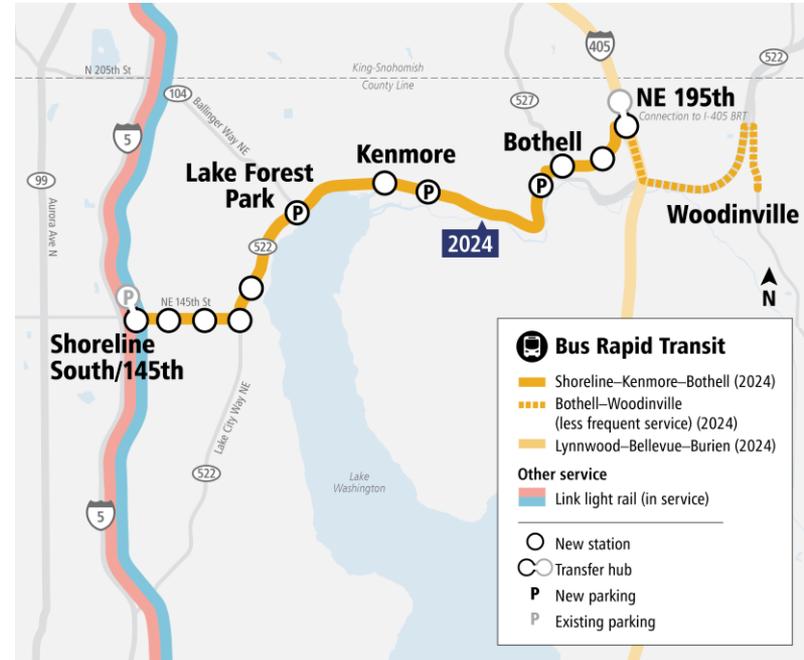
***522 BRT: Bothell BAT Lanes
Construction Funding
Agreement***

System Expansion Committee

3/14/19

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 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**



SR 522 / NE 145th BRT Project Components

Systemwide (shared with I-405 BRT)

Bus Base North

Vehicle Procurement

Service Procurement

SR 522/NE 145th

Transit Speed &
Reliability
Improvements

Stations – platforms
and vertical const.

Parking & Access
Improvements

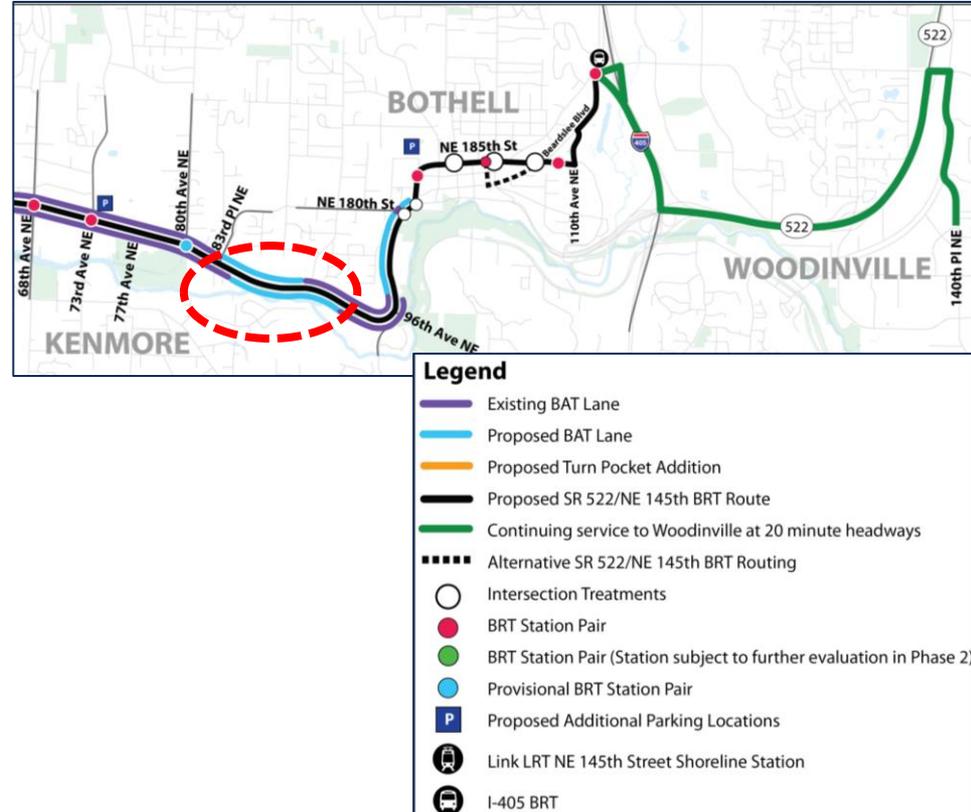
Bothell BAT Lanes component

- Connects between existing BAT lanes
- Sidewalks
- Utilities

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



Construction Funding Agreement

Sound Transit Responsibilities

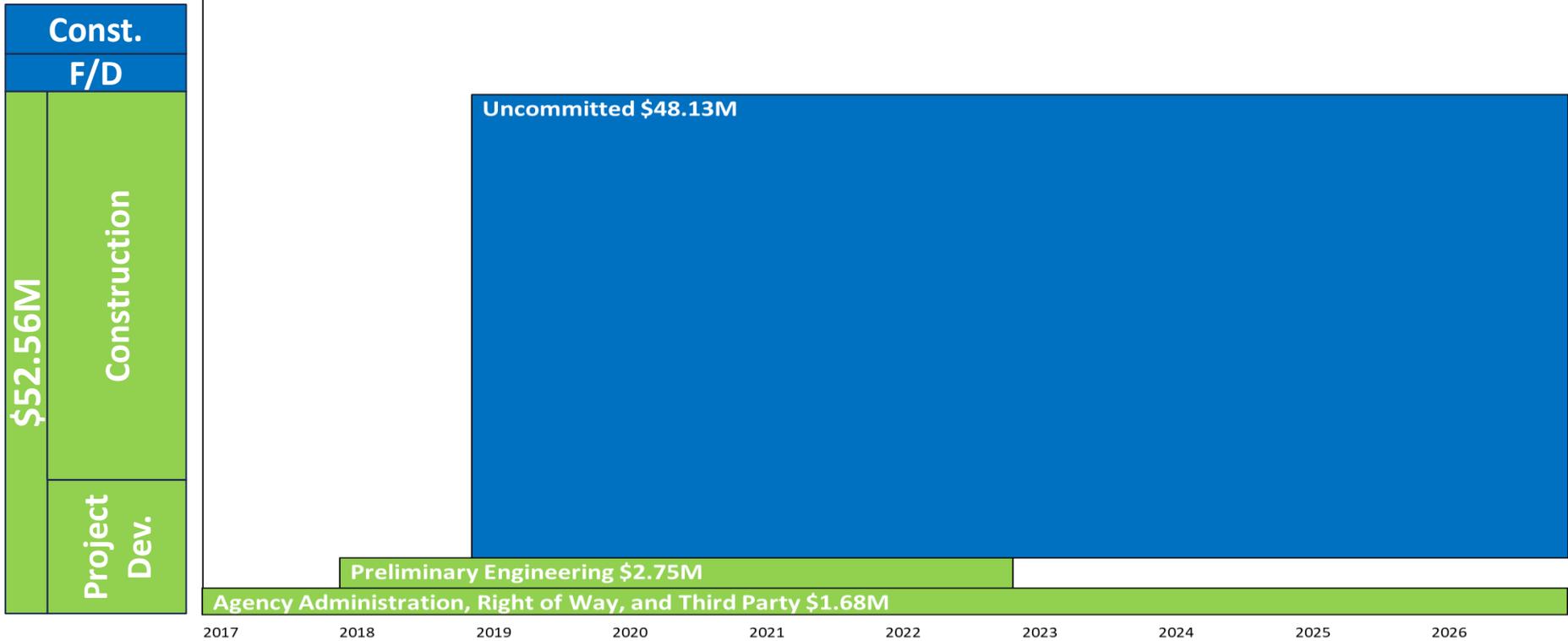
- Review and concur with all change orders
- Reimburse the City for actual costs
- Attend construction meetings, with access to site

City of Bothell Responsibilities

- Serve as project administrator for construction and construction management
- Notify, consult, and gain approval from Sound Transit prior to the execution of all change orders
- Provide Sound Transit with monthly status reports, schedule updates, and invoices

SR522/NE 145th St BRT: Authorized Project Allocation to Date \$52.56M

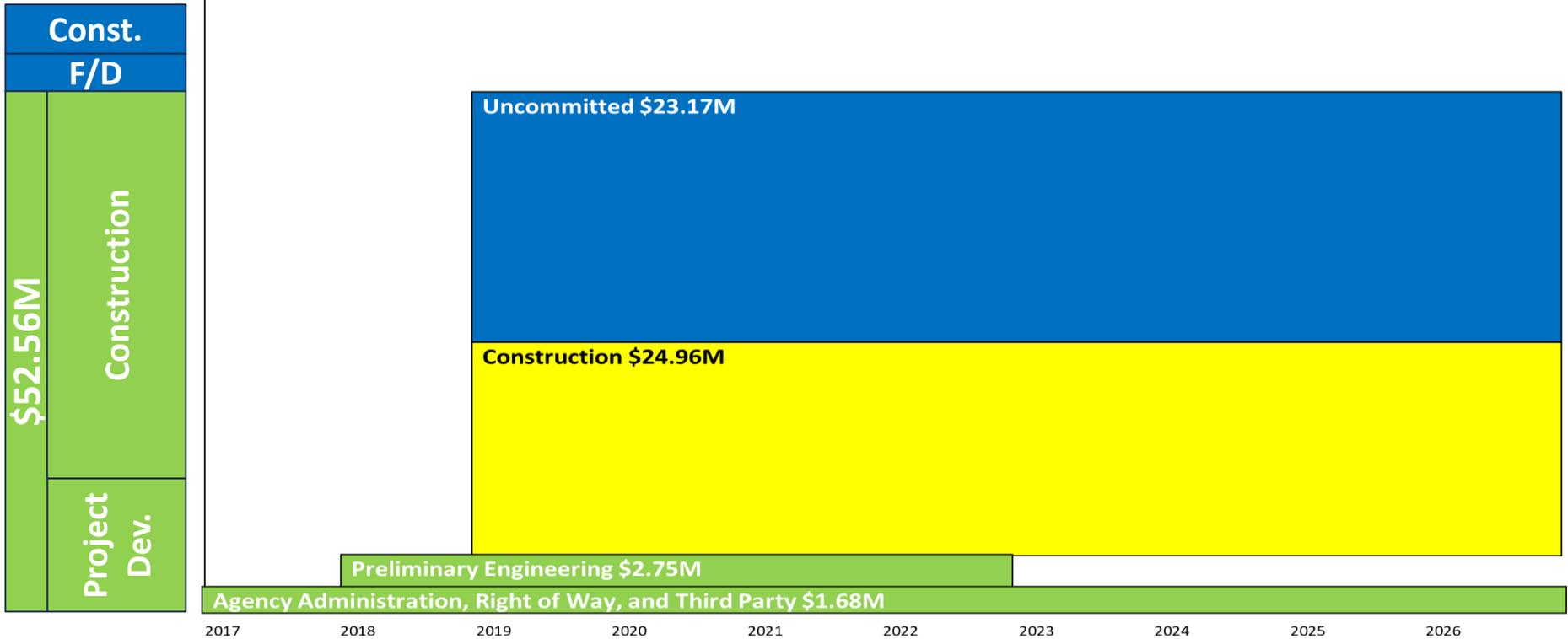
ALLOCATION \$ COMMITMENTS



Illustrative - Not to Scale

SR522/NE 145th St BRT : Board Approves Contract \$24.96M

ALLOCATION \$ COMMITMENTS



Thank you.



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***I-405 BRT Update &
Consultant Contract
Amendment***

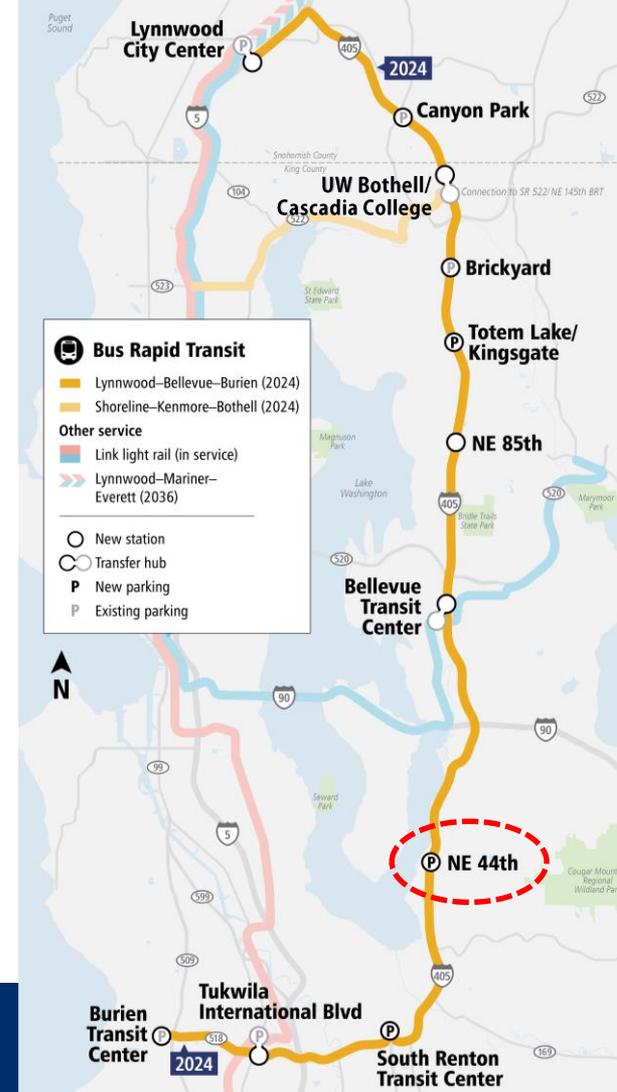
System Expansion Committee

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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**



External Engagement and Project Partnerships

- 4* Elected Leadership Group (ELG) Meetings
- 8 Interagency Group Meetings
- 4 Open Houses
- 13 Community Briefings

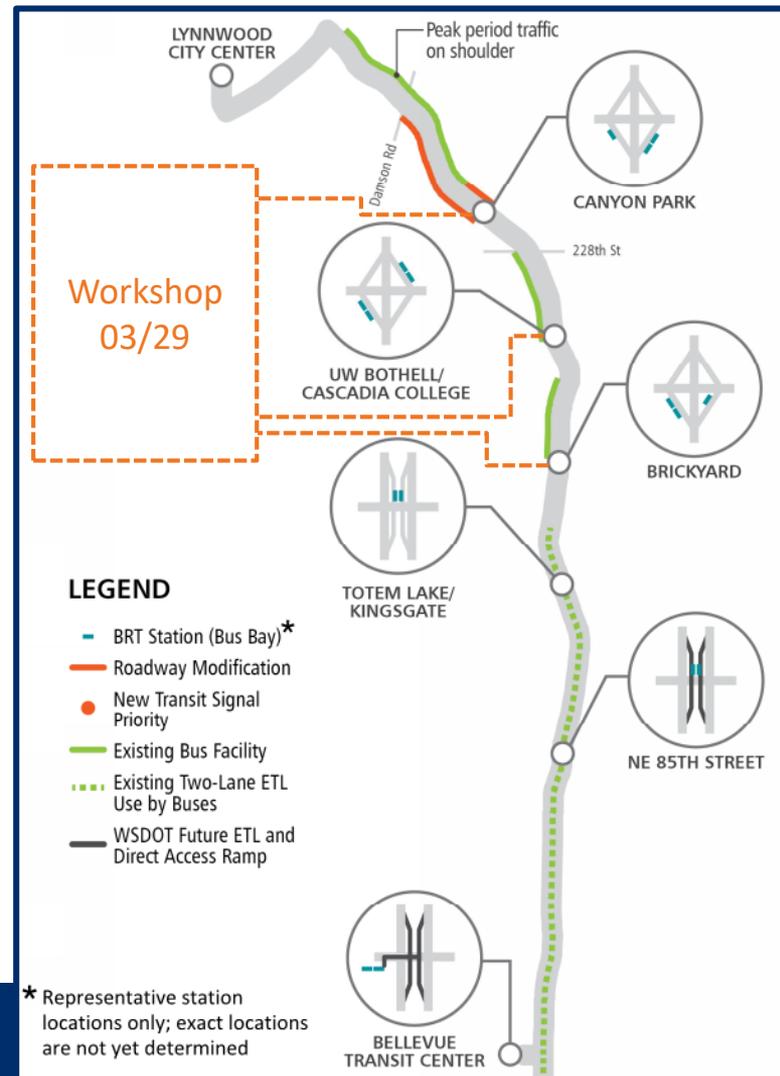
*1 Joint meeting with the SR 522/145th BRT ELG

Thank you project partners!



Project Refinements: North Line

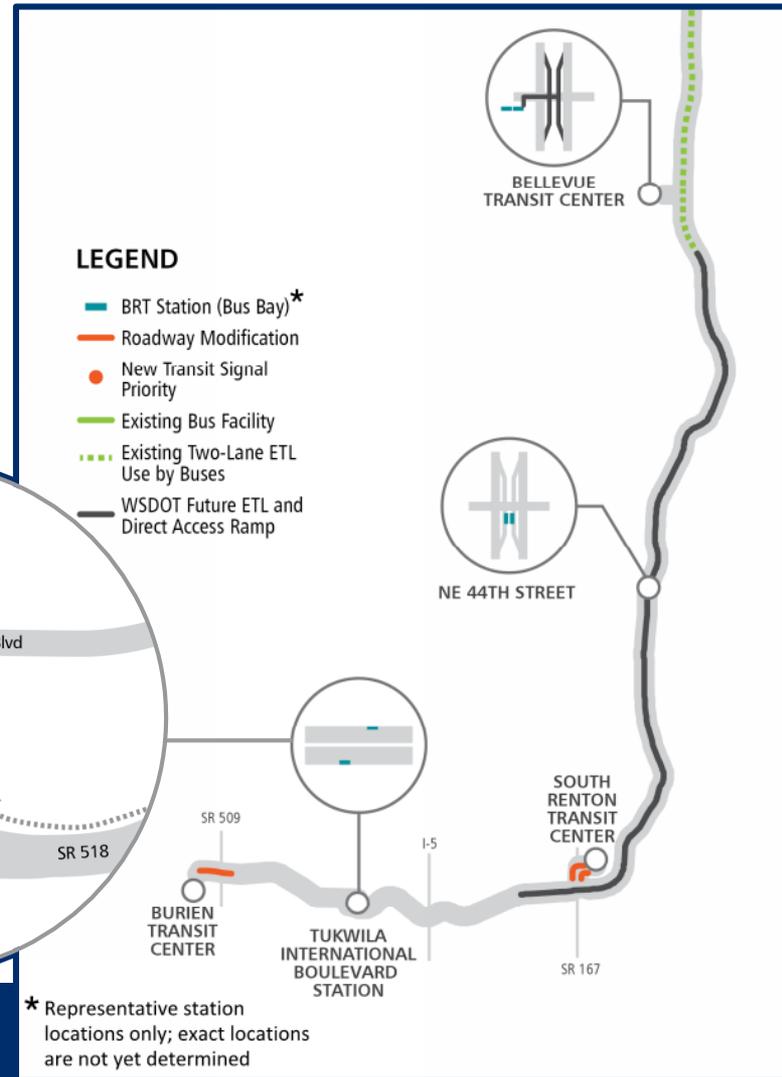
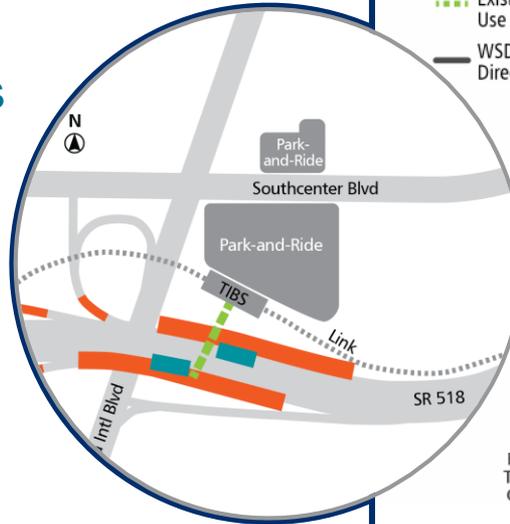
- Shoulder improvements for transit to extend North of Canyon Park
- UW Bothell/Cascadia: On going discussions on the connection between SR 522/NE145th and I-405 BRT
- NE 85th: Reduced scope for bus-only lanes. Explore transit speed, reliability and access improvements



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



Refined Project Performance

Increased ridership estimates by:

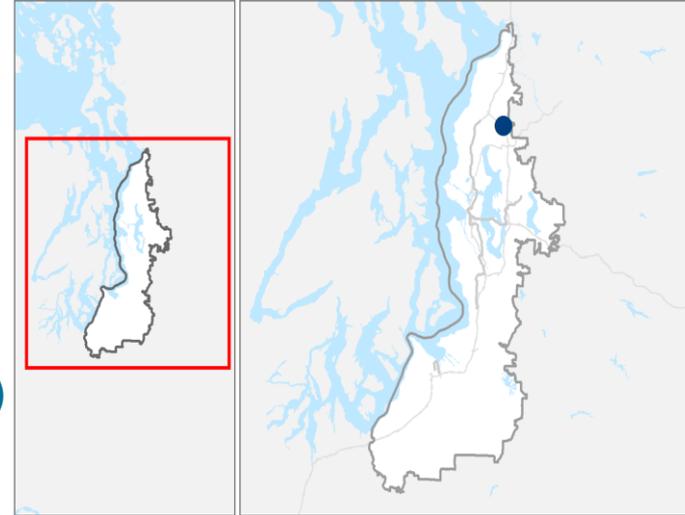
- North corridor boardings: +12%
- South corridor boardings: +22%
- Total boardings: +17%

Improved travel time estimates by:

- North corridor: 5 minutes
- South corridor: 7-9 minutes

Bus Base North

- **Critical Path – Complete by 2023 for vehicle fleet**
- **Screening Criteria (30+ sites):**
 - 12+ acres
 - Compatible zoning
 - Proximity to I-405 and SR 522 on major arterials
 - Minimize sensitive area impacts (wetlands)
 - Vacant or minimal displacements
 - Flat
- **Representative site: Canyon Park, Bothell**



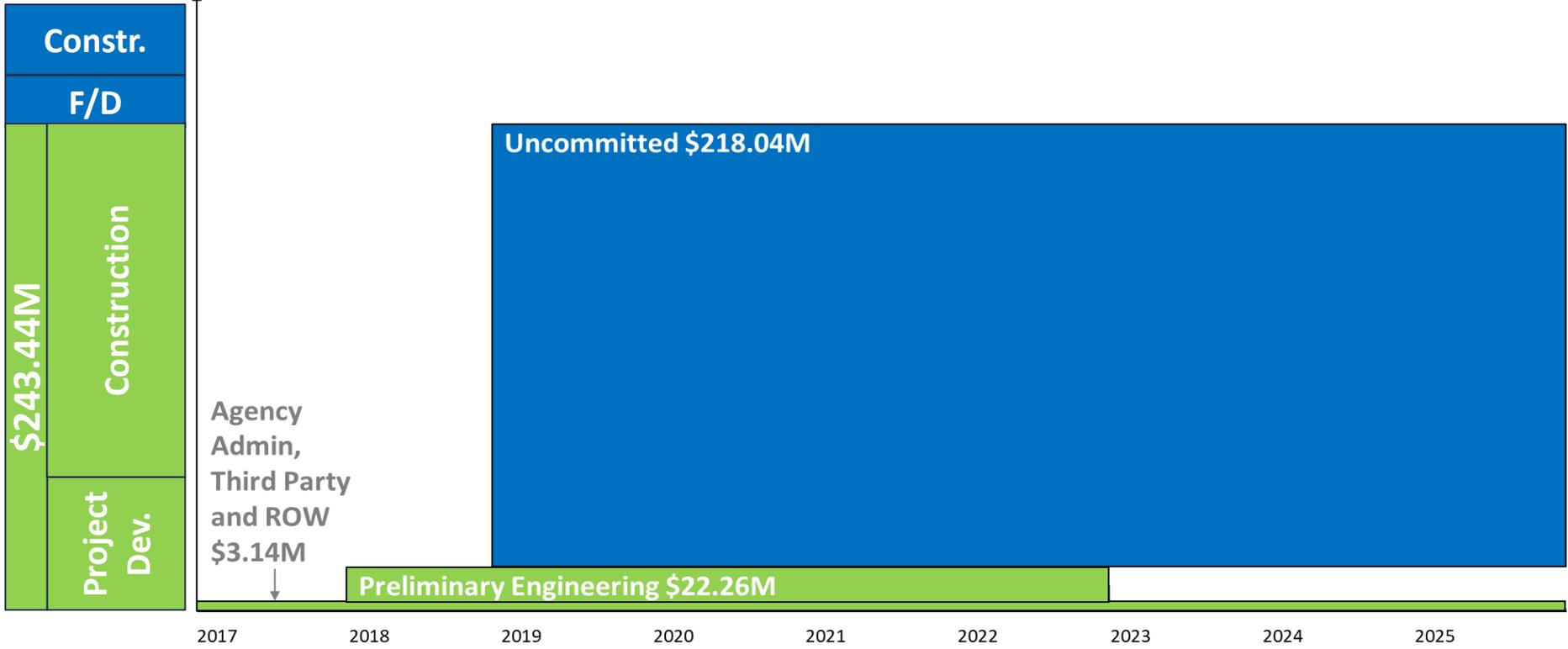
I-405 BRT Phase 2

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**

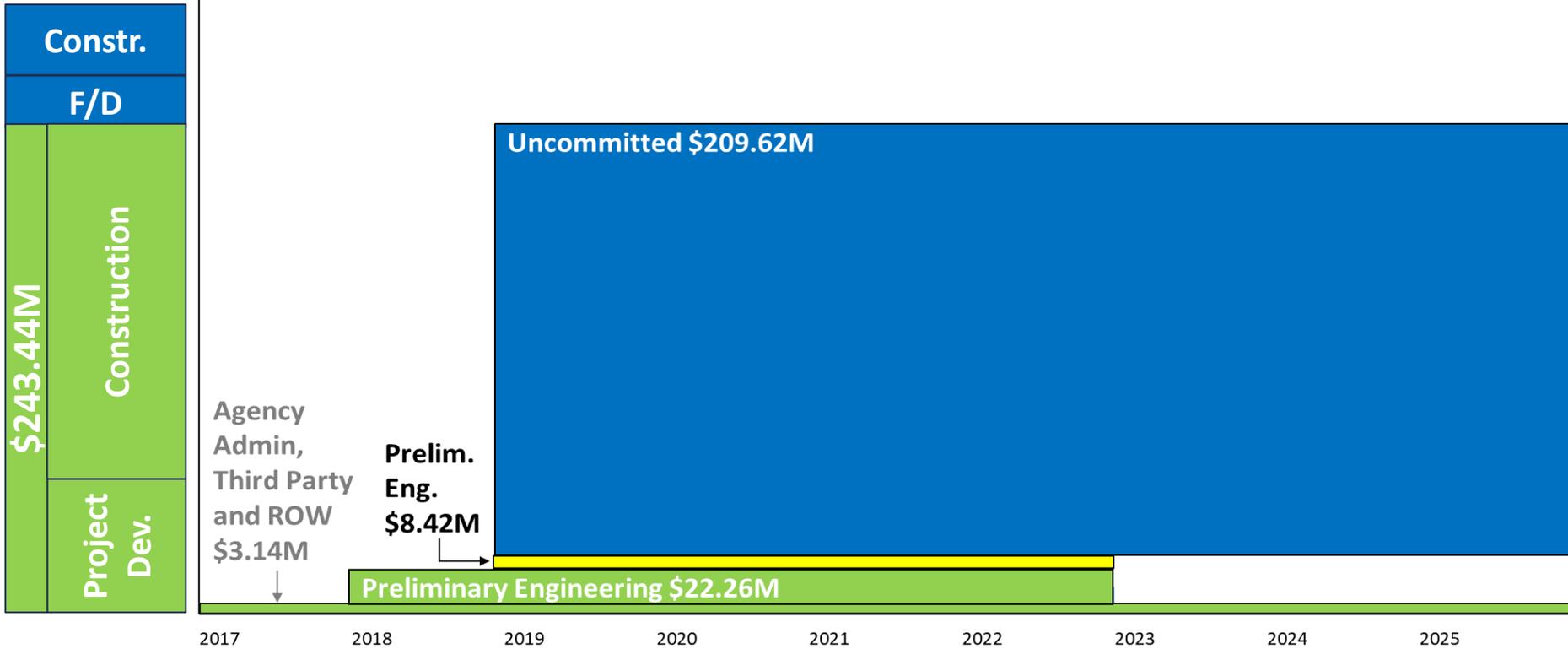
I-405 BUS RAPID TRANSIT: Project Allocation to Date \$243.44M

ALLOCATION \$ COMMITMENTS



I-405 BUS RAPID TRANSIT: Board Approves Contract Amendment \$8.42M

ALLOCATION \$ COMMITMENTS



Thank you.



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***I-405 BRT: NE 44th
Park and Ride
Budget Amendment***

System Expansion Committee

3/14/19

NE 44th Park and Ride

Today's Action

- Amend the Adopted 2019 Annual I-405 BRT Project Budget by \$7,300,000 for the NE 44th Street Park-and-Ride Real Property costs

Overview

- Approximately 200-stalls for commuters
- Serves the future NE 44th Street BRT station

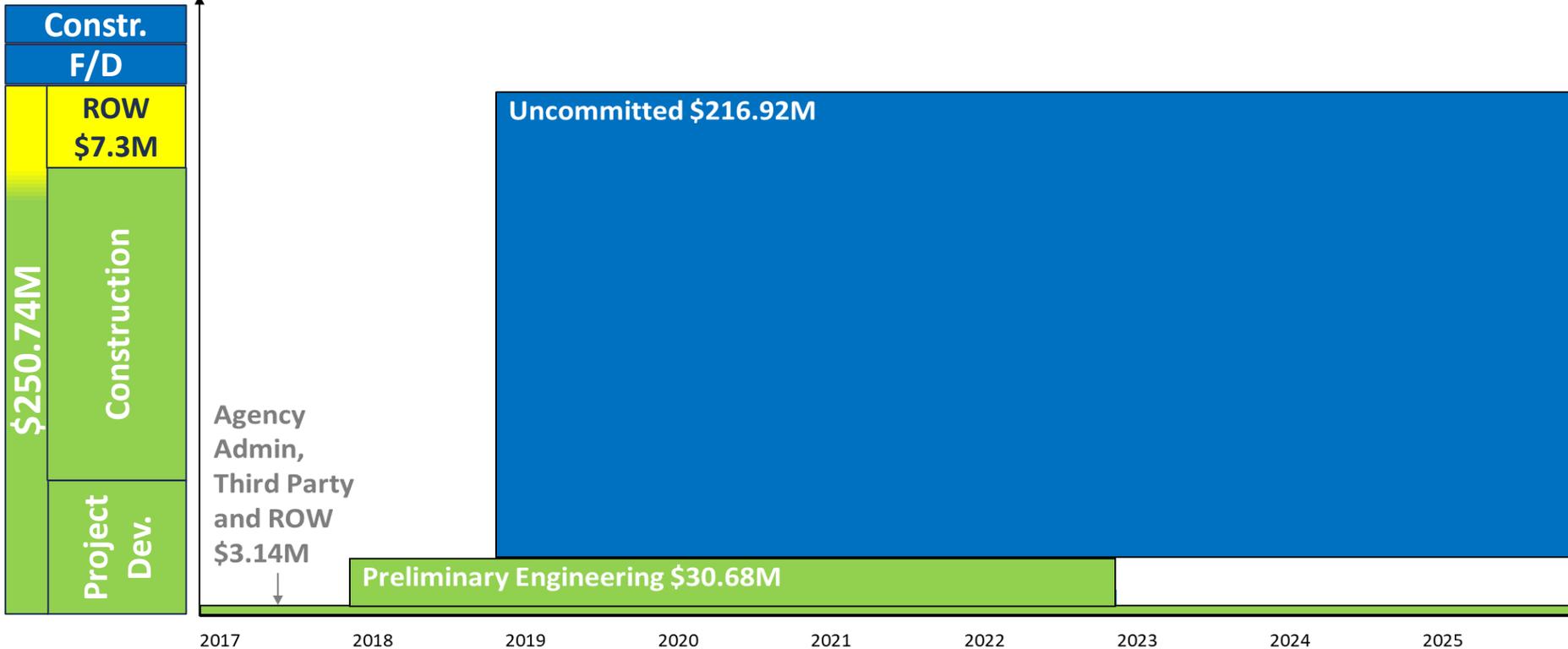


Approximate location

Illustrative - Not to Scale

I-405 BUS RAPID TRANSIT: Board Approves Budget Amendment \$7.3M

ALLOCATION \$ COMMITMENTS



Thank you.



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***I-405 BRT: NE 44th
Park and Ride
Property Acquisition
System Expansion Committee***

3/14/19

Thank you.



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