

# ***Stride BRT***

## *Program Update and Start-Up Activities*

*Rider Experience and Operations Committee*

*04/06/23*

# *Why we are here*

- Program update
- Start-up and operations activities
- 2023 look ahead and Board actions

# *Program Update*

# Stride: Regional System

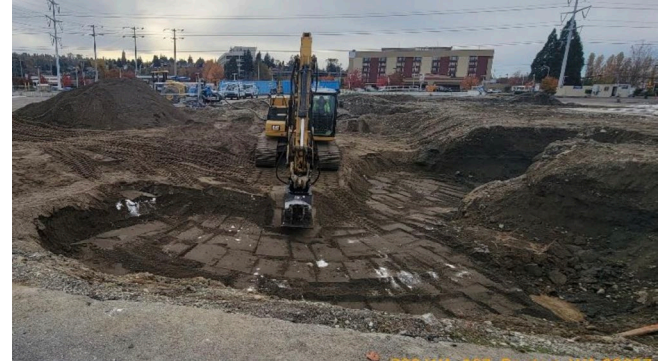
- S1: I-405 South
  - King County: 17 miles, 5 stations
- S2: I-405 North
  - Snohomish County: 7 miles, 2 stations
  - King County: 13 miles, 5 stations
- S3: SR 522
  - King County: 8 miles, 14 stations
- Bus Base North
  - Snohomish County



# *Stride: Recent progress*

## S1 and S2: I-405 BRT

- South Renton Transit Center environmental remediation complete
- NE 44<sup>th</sup> construction progressing
- NE 85<sup>th</sup> design-build awarded/active
- Brickyard-Canyon park design-build proposals due in June
- Final design of transit centers and spot improvements: 60%-90%
- Modifying Bellevue layover to accommodate electric bus needs



# Stride: Recent progress

## S3 SR 522 BRT

- Bothell-Kenmore Business Access and Transit lane complete
- Community engagement
- Final design: 60%, nearing 90%
- Geotechnical investigations
- ROW: full authority and active





# *Stride: Recent progress*

## Bus Base North

- Final design: 60% complete
- Permitting: City code amendment underway, preparing submittals
- ROW: full authority, negotiating CC&Rs



# Schedule

	Realign.	Jan 2022	Jun 2022	Current Trend*
Bus Base North	2025	2026	2026	<b>2026</b>
NE 85 <sup>th</sup>	2026	2026	2026	<b>2026</b>
S1 (I-405 South)	2026	2027	2027	<b>2028</b>
S2 (I-405 North)	2027	2028	2027	<b>2028</b>
S3 (SR-522)	2026	2027	2027	<b>2027</b>

\*Quantitative risk analysis underway to inform July 2023 Baseline Action

## Key Risks

- Agencies' capacity constraints
- ROW acquisition and permitting
- Construction industry capacity
- New mode: define requirements/standards and start up preparations





# *Start-up and Operations*

# ***Stride Operating/Start-Up Goals***

## **Active performance management**

- Real-time control to ensure high quality service for our passengers

## **Resource management**

- Cost responsible operations

## **Earliest reasonable opening of Stride service**

- Ensure readiness for earliest possible service activation

## **Adaptive management**

- Ensure future flexibility to renegotiate contract terms or change operator as needed
- Allow for future expansion to accommodate ST Express services

# *Stride Operations/Start-Up Structure*

Sound Transit to provide:

- Facilities
- Operating systems
- Fleet/vehicles

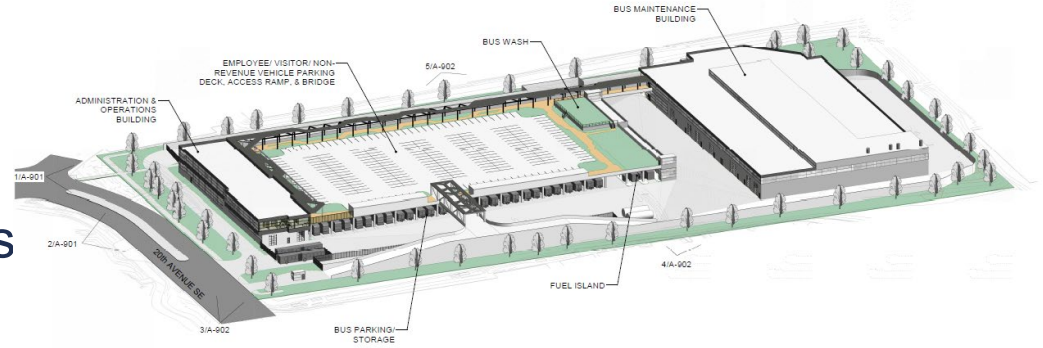
Contracted Service Provider with Sound Transit oversight:

- Operators
- Maintenance/Mechanics

# Facilities

## Bus Base North

- Operations hub
- Maintenance & repairs
- Charging/fueling
- Administration/management



## Passenger Facilities

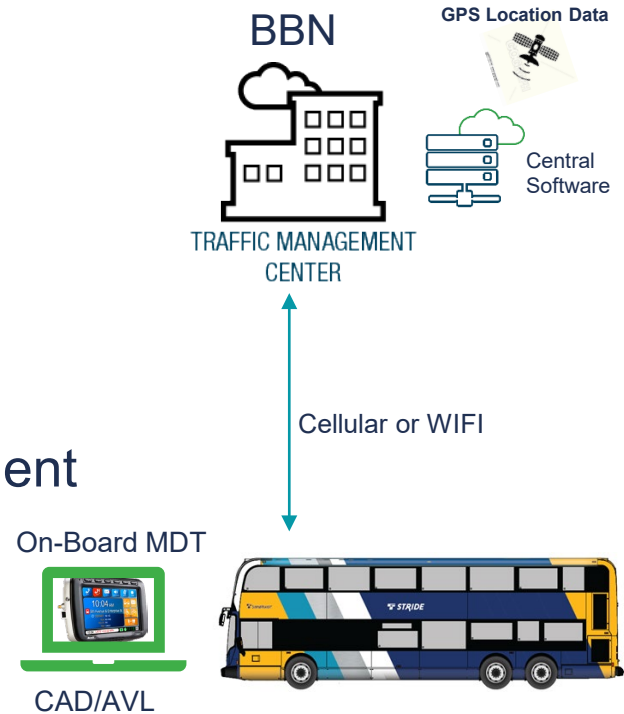
- Stations
- Transit Centers
- “Running Way”



# Bus Operating Technologies System

## Core functionality

- Passenger information
- Communications/dispatch
- Schedule/operations management
- Surveillance
- Transit priority
- Battery Electric Bus charge management



# Fleet

- All electric Stride BRT fleet
- S1 and S2: Double-deck
- S3: Articulated 60'
- Inductive charging at layovers/terminals
- Plug-in at Bus Base North
- Finalizing requirements
- Order fleet late 2023

## S1 & S2 (I-405)



Double-deck battery electric buses for highway service

## S3 (SR 522)



Articulated battery electric buses for shorter arterial route

# *Contracted Service Provider*

## Competitive Process

- Invite participation of partners and private contractors
- Phased approach: initial involvement in program set-up, followed by hiring drivers, mechanics, maintenance personnel
- Options for expansion to operate some ST Express service
- Evaluation criteria to support responsible contractor policy

## Timing

- Q2: RFI to solicit industry feedback
- Q4: RFP
- Q2 2024: award – have contractor in place at least two years before start of service



***Look ahead and upcoming  
Board actions***

# ***2023 Program look ahead***

- Baseline to finalize delivery schedule and budget: July 2023
- Award Bus Operating Technologies System: Q3 2023
- Contracted Service Provider procurement: Q2 2023-Q2 2024
- Order vehicle fleet: Q3/Q4 2023
- Finalize remaining agreements and betterments
- Finalize requirements: design, systems, vehicles
- Complete 90-100% design
- Right of way acquisition
- Continued third-party project delivery

*Thank you.*



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