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”)

![Bus Rapid Transit Map]
Stride Program Readiness

Formal project definition

- Environmental complete
- Scope refined through preliminary engineering
- Selecting Project(s) to be Built decisions needed to advance program
Board Realignment Direction: Aggressive schedule

- 2025: Bus Base North
- 2026: I-405 South (S1), NE 85th (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*

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

<table>
<thead>
<tr>
<th></th>
<th>2019</th>
<th>2020</th>
<th>2021 updated after Triunity review</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRT bus base north</td>
<td>$208m</td>
<td>$238m</td>
<td>$290m</td>
</tr>
</tbody>
</table>

### 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
October Committee and Board Actions

SR 522 BRT (S3):

- Shoreline funding agreement: Interchange Transit Project
- Bothell funding agreement: Stride Improvements
Thank you.