ST2 UPDATE

Board Workshop #2

March 6, 2008
Progress Since November

- November 29\textsuperscript{th}, 2007
  - Proposition 1 vote research and analysis
  - Vote options presentation (2008 or 2010)
- December 13\textsuperscript{th}, 2007
  - Refreshed rationale for system expansion
  - Key considerations for moving forward
- January 24\textsuperscript{th}, 2008
  - Needs assessment presentation
- January 31\textsuperscript{st}, 2008
  - Board Workshop – roll-out of corridor service concepts
- February 28\textsuperscript{th}, 2008
  - Core Projects and New/Developing Programs
  - Review developing plan

Public outreach on-going from January through March
Objectives

• Present preliminary 2020 ST2 Update options
• Seek direction on moving forward
Planning Overview

- 2020 planning horizon – 12 year plan
- Smaller investment alternative to ST2 20 year plan
- Multimodal response to market demand
- Incremental evolution of long range transit vision
- Recognition of needed flexibility in defining and funding station access
Plan Options

• Core Investment Level (0.4%)
  – Base level for discussion and comparison of alternate upper and lower investment levels
  – Generates ~ $6.538 billion in capital investments over 12 years

• Lower Investment Level (0.3%)
  – Limited opportunity for regional multimodal investment

• Upper Investment Level (0.5%)
  – Allows for more extensive and accelerated fixed guideway investment
  – Generates ~ $7.745 billion in capital investments over 12 years
Needs Assessment Review

- Transit market demand (2004-2030) by corridor
  - North: 171,000 daily trips (161%)
  - South: 56,000 daily trips (182%)
  - East: 54,000 daily trips (152%)
- Parking/Station Access Demand
  - 68% ST Express parking nearly full or over capacity
  - 79% Sounder parking nearly full or over capacity
- Sounder regularly at standing room only in the south corridor
- 68% of ST Express routes are regularly full in peak period
Core Investment Response

- Targeted Link, Sounder, and ST Express investments in highest demand corridors
- 90% increase in Sounder south corridor capacity beyond Sound Move
- Nearly doubling of Link light rail miles (adds 17.7 miles to Sound Move’s 18.8)
- 25% increase in ST Express service beyond Sound Move
- 82% increase in ST Express parking/access at targeted lots
- 60% increase in Sounder parking/access at targeted lots
North Corridor Service Development Plan

Diagram showing transportation routes and planning for the North Corridor with stations and connections to various cities and areas.
Core Investment Projects by Corridor – North

- **Commuter Rail**
  - Broad Street Station
  - Mukilteo Station Parking Garage
  - Edmonds Permanent Station
- **Light Rail**
  - Link extension from UW to Northgate
  - First Hill Link Connector
- **ST Express**
  - Mountlake Terrace Freeway Station
  - Snohomish County BAT lane investments to improve regional system access
  - Ash Way Parking Garage (700 new spaces)
  - Lynnwood Parking Garage (600 new spaces)
  - Everett Station Parking Garage (700 new spaces)
  - Ash Way HOV Ramps
  - Mariner HOV DA Ramps
  - Mariner Transit Center & Parking Garage (600 new spaces)
  - ~ 50% service expansion
South Corridor Service Development Plan
Core Investment Projects by Corridor – South

• Commuter Rail
  – Lakewood - Seattle Expanded Service
  – Sounder 8-Car Platform Extensions
  – Tukwila Permanent Station (200 new spaces)
  – Sumner Station Parking Garage & Ped Bridge (400 new spaces)
  – Puyallup Station Parking Garage & Ped Bridge (600 new spaces)
  – Kent Station Parking & Ped Bridge (400 new spaces)
  – Tacoma Dome Access Improvements
  – South Tacoma Station Parking Garage & Ped Bridge (600 new spaces)
  – Lakewood Station Parking Garage (600 new spaces)
  – Track, Structure, and Signal Upgrades

• Light Rail
  – Tacoma - Tacoma GH
  – Link extension from SeaTac Airport to South 200th

• ST Express
  – Burien Parking Garage (100 new spaces)
  – Auburn Station Parking Garage (500 new spaces)
  – ~ 20% service expansion
East Corridor Service Development Plan
Core Investment Projects by Corridor – East

• Commuter Rail
  – BNSF Corridor - East King Contribution

• Light Rail
  – Link extension from Seattle to Bellevue

• ST Express
  – SR520 Transit Capital Contribution
  – Overlake TC Ped Bridge
  – I-90 Center Roadway project (R8A)
  – S Kirkland Parking Garage (250 new spaces)
  – ~ 20% service expansion (SR520, I-90, and I-405 corridors)
Core Investments by Mode by Corridor

North:
- Link: $1,655
- Commuter Rail: $105
- ST Express: $688

South:
- Link: $532
- Commuter Rail: $732
- ST Express: $222

East:
- Link: $2,037
- Commuter Rail: $50
- ST Express: $422
System-wide Investments by Mode

2008 ST2 Update

- $1,332
- $887
- $4,223

2007 ST2 Plan

- $265
- $328
- $10,243
Core Sounder Service Plan

Potential Sounder Commuter Rail Service Investment
Sound Move + ST2 Additions

![Graph showing annual train miles for Sounder North and Sounder South from 2008 to 2020. The graph illustrates the potential Sounder Commuter Rail Service Investment with Sound Move and ST2 Additions.](image-url)
Core Link Service Plan

Potential Link Light Rail Service Investment
Sound Move + ST2 Additions

Annual Vehicle Miles


Central Link opens
University Link opens
North Link & East Link open

Central Link opens

Central Link [Yellow] East Link [Blue]

Sound Transit
Ride the Wave
# Core ST Express Annual Platform Hours by Corridor

<table>
<thead>
<tr>
<th></th>
<th>2008 Base</th>
<th>2009-2013</th>
<th>2014-2020</th>
<th>% Change</th>
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<tbody>
<tr>
<td>North</td>
<td>93,000</td>
<td>111,550</td>
<td>139,438</td>
<td>50%</td>
</tr>
<tr>
<td>South</td>
<td>220,000</td>
<td>233,800</td>
<td>256,800</td>
<td>17%</td>
</tr>
<tr>
<td>East</td>
<td>295,000</td>
<td>313,950</td>
<td>363,343</td>
<td>23%</td>
</tr>
<tr>
<td>Total</td>
<td>608,000</td>
<td>659,300</td>
<td>759,580</td>
<td>25%</td>
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</tbody>
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**NOTES:**
- Includes a total of 36,000 annual platform hours remaining to be programmed from Sound Move.
- North King Co. does not invest in ST Express service.
Discussion
Upcoming Schedule

- **March 7th**
  - ERP Review

- **March 13th**
  - Review public/stakeholder input
  - Present updated draft 2020 ST2 plan update

- **Late March/Early April**
  - Draft 2020 ST2 plan update for possible action

- **April-May**
  - Conduct public outreach and seek comment
  - ERP Review
  - Prepare Benefit-Cost Analysis
  - Prepare PSRC conformity

- **June-July**
  - Conduct public & stakeholder outreach
  - ERP Review
  - Submit Benefit-Cost Analysis to PSRC
  - Gain PSRC conformity finding
  - Possible action on final ST2 plan update