Seattle Streetcar Network Update

Seattle Design Commission

July 2 2009
Overview: The Seattle Streetcar

• Seattle’s Initial Streetcar Segment Implementation

• Prospects for Expansion

• Streetcar Typologies & Adaptability to Communities
Seattle Region: Future Transportation System
Future Center City transportation system

[Map of transportation system with labels: Seattle Center, Pike Street Market, Sound Commuter Rail, Link Light Rail, Bus Rapid Ride (BRT), Seattle Streetcar, Monorail, Ferries, Hubs]
Initial Segment

- 1.5 Mile/$53 M South Lake Union Line
  Opened December 2007

- 50% of Capital Funding from Local Improvement District

- 2008 Ridership 30% Above Forecast
Initial Segment—Construction Highlights

• Aggressive Project Schedule
• Final Design began July 2005
• Ground Breaking July 2006
• Substantial Completion October 2007
Ridership Performance & Trends
Average Daily Ridership by Month

- 2008 Forecast
- 2008 Actual
- 2009 To Date & Trend
Ridership Performance & Trends
Annual Ridership

- 2008 Forecast
- 2008 Actual
- 2009 To Date/Trend

Bar chart showing the comparison between 2008 Forecast, 2008 Actual, and 2009 To Date/Trend for annual ridership.
Initial Segment-Development Activity

2006-7 Concurrent Development

- Group Health Cooperative Headquarters
- UW Medicine Research Center Expansion
- Whole Foods/Pan Pacific Hotel
- Residential Development
- Lake Union Park Redevelopment (Phase 1)
Initial Segment-Development Activity

Coming Soon

• Light Rail Connection (July 2009)
• PATH Global Health Headquarters-(January 2010)
• Lake Union Park-Phase 2 (Spring 2010)
• Amazon.com Headquarters (Mid 2010)
• Museum of History & Industry
Prospects for Expansion

- Mayor & City Council Endorsed 15-Mile Streetcar Network Development Plan in 2008

- Two Extensions/4.5 Miles Identified As Initial Priorities.
Priorities for Expansion

• 2-mile First Hill Line connects Light Rail system to Medical Center. Fully funded through regional transit measure ($120M).
Priorities for Expansion

• City actively developing funding options for 2.5 mile Central Line connecting major Center City attractions

• $135 M
First Hill Streetcar

Background & Purpose

• Replaces First Hill Light Rail Station

• Funded as Part of ST2 Ballot Measure

• Primary purpose is to connect light rail trips from the north and south the healthcare oriented jobs and services of First Hill
Key Opportunities

• Streetcar Typologies & First Hill Streetcar
Emerging Streetcar Typologies

- Local Circulator
- City Shaping
- City Serving
- Rapid Streetcar
<table>
<thead>
<tr>
<th>Stop Spacing</th>
<th>Local Circulator</th>
<th>Rapid Streetcar</th>
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</thead>
<tbody>
<tr>
<td>2-3 Blocks</td>
<td></td>
<td>Up to .75 Miles</td>
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<tr>
<td>8-12 MPH</td>
<td></td>
<td>12-15 MPH</td>
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</table>
Streetcar Network Typologies

- Local Circulator
  - South Lake Union Line
  - Central Line
  - University Line
  - Fremont-Ballard Line

- City Serving
  - First Hill Line

- City Shaping
  - Rapid Streetcar
Key Opportunities

- Streetcar Typology: City-Shaping, Local Circulator
- Shape: Yesler Terrace, Little Saigon, First Hill, Broadway, 12th Avenue?
- Serve: First Hill & Light Rail stations
Project Status/Schedule

Team:
• Facilities Engineer: URS
• Vehicle/Systems Engineer: LTK
• Project Management: SOJ

Schedule Objectives:
• Environmental Review, Concept Design, Alignment Selection (2009-2010)
• Preliminary & Final Design (2010-11)
• Advanced Utilities (2010 Q4)
• Construction & Startup (2011-2012)
# Public Involvement

<table>
<thead>
<tr>
<th>Outreach Phase</th>
<th>Key Content</th>
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| Start of Concept Design | • Purpose & Need Statement  
  • Identification of Alternatives for Analysis  
  • Issues/Impacts to be Analyzed  
  • Preliminary Urban Design Analysis  
  • Supporting Graphics  
  • Backgrounders  
  • Schedule | • Public Meeting(s)  
  • City Council Briefing  
  • Community Group Briefings at Standing Meetings (and special forums)  
  • Project-Specific Stakeholder Advisory Group  
  • Existing Advisory Groups (Bike, Ped, Planning, Design)  
  • Web Presence |
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| Concept Design Report & Environmental Assessment | Alignment Comparisons:  
- Cost  
- Impacts (Parking, Traffic, Utilities)  
- Ridership/Travel Time  
- Urban Design/Graphics | As Above |
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<tr>
<td>PE/Final Design</td>
<td>• Platform &amp; Station Details</td>
<td>• As Above</td>
</tr>
<tr>
<td></td>
<td>• Public Art</td>
<td>• Formal Review by Design Commission</td>
</tr>
<tr>
<td></td>
<td>• Schedule</td>
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[Seattle Streetcar logo]
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| Construction   | • Full Time Community Liaison  
• Schedule/Updates  
• Description of Activities  
• Two-Way Feedback with Affected Stakeholders/Construction Team | • Door-to-Door  
• Web/Email  
• Community Groups (Standing Meetings)  
• Construction Open Houses (Quarterly) |
Central Line (First Avenue Line)

• Project Background:
  
• Seattle Streetcar Network—Central Line (to 23rd & Jackson)

• AWV: First Avenue Line (Seattle Center to King Street Station)
Key Opportunities

• City Serving: Major Attractions & Transportation Hubs

• City Shaping: First Avenue as Main Street, Downtown as Neighborhood, Public Space/Public Life
www.seattlestreetcar.org