

S E A T T L E S T R E E T C A R



# Seattle Streetcar Network Update

## Seattle Design Commission

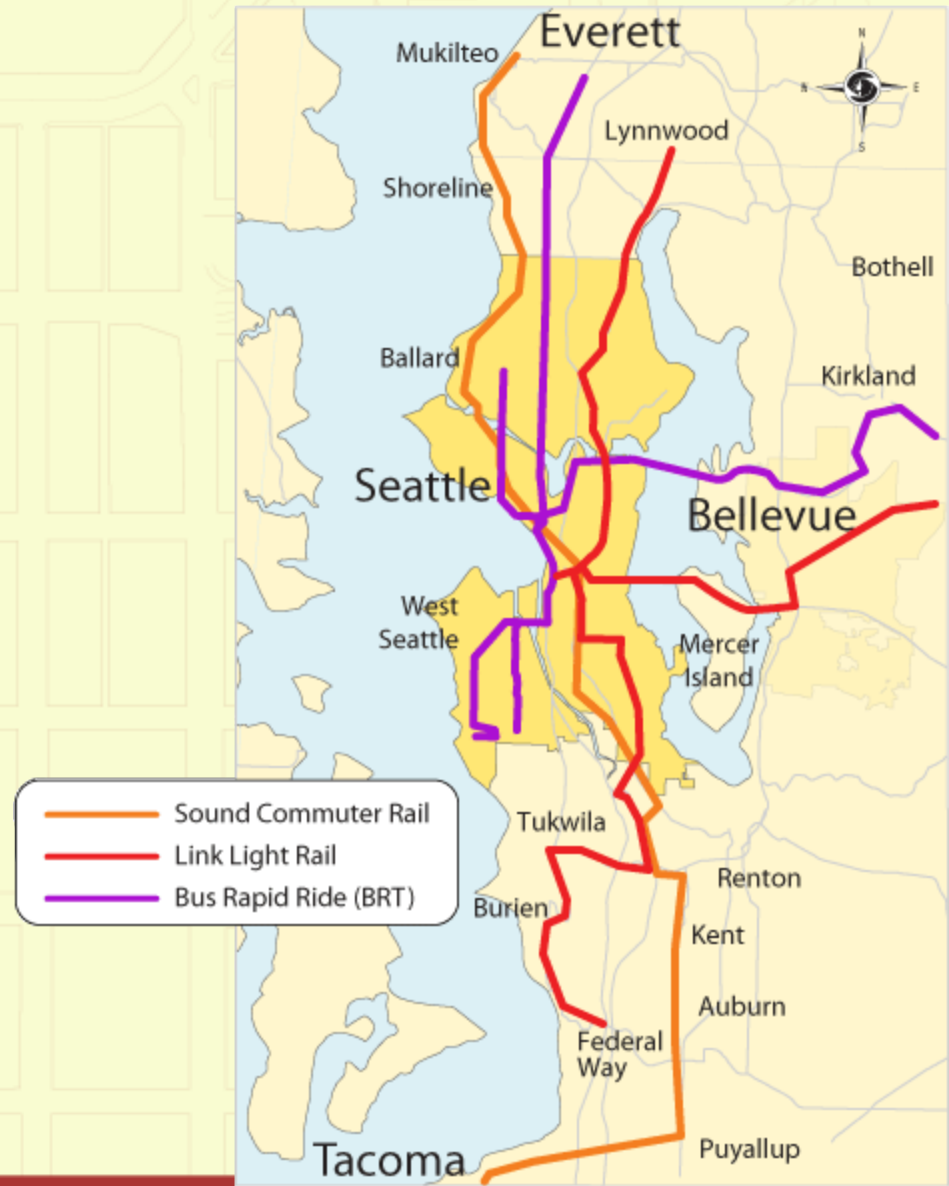
July 2 2009

# Overview: The Seattle Streetcar

- Seattle's Initial Streetcar Segment Implementation
- Prospects for Expansion
- Streetcar Typologies & Adaptability to Communities

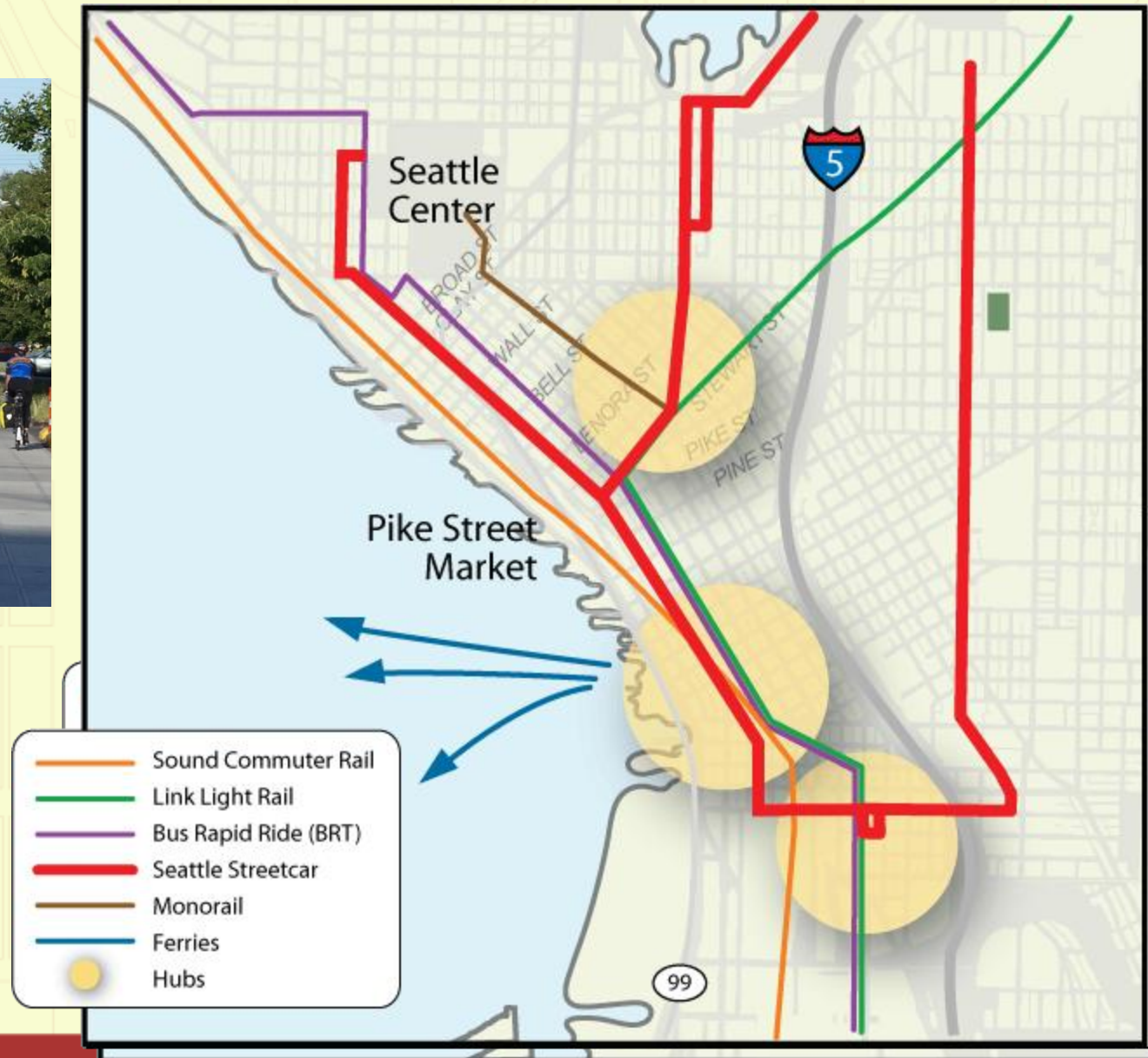


# Seattle Region: Future Transportation System





# Future Center City transportation system



# 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

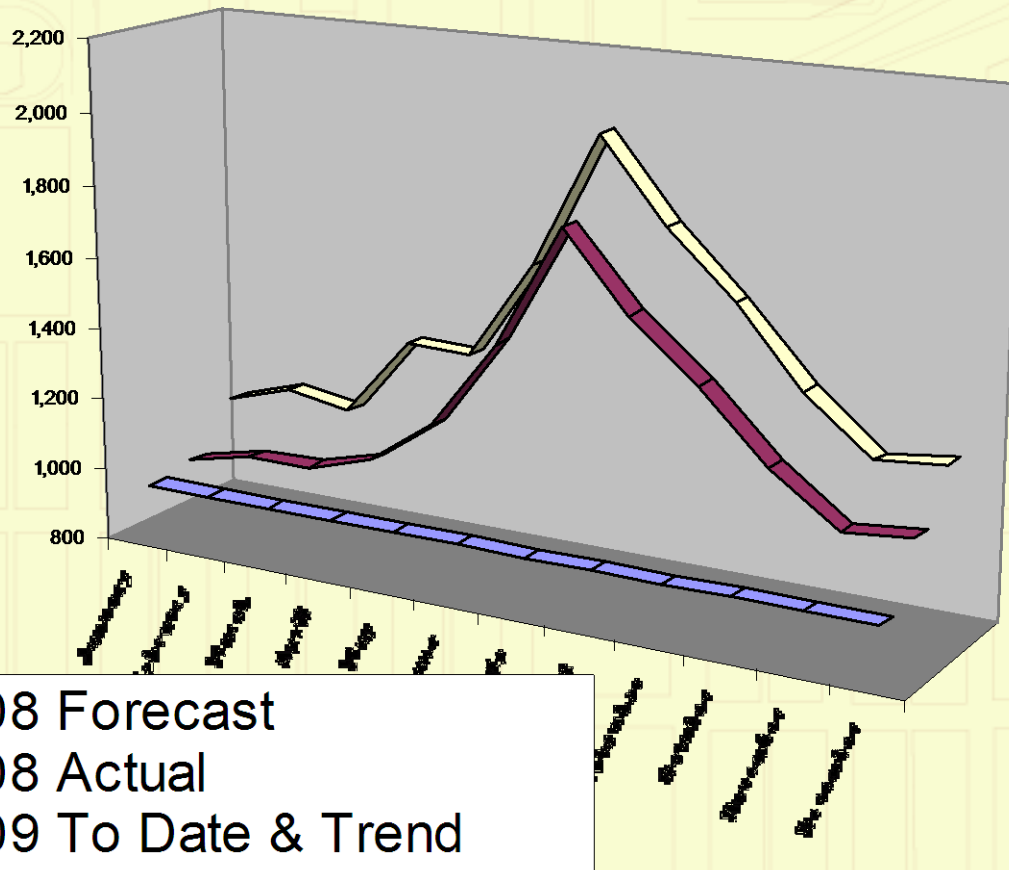
- **Aggressive Project Schedule**
- **Final Design began July 2005**
- **Ground Breaking July 2006**
- **Substantial Completion October 2007**





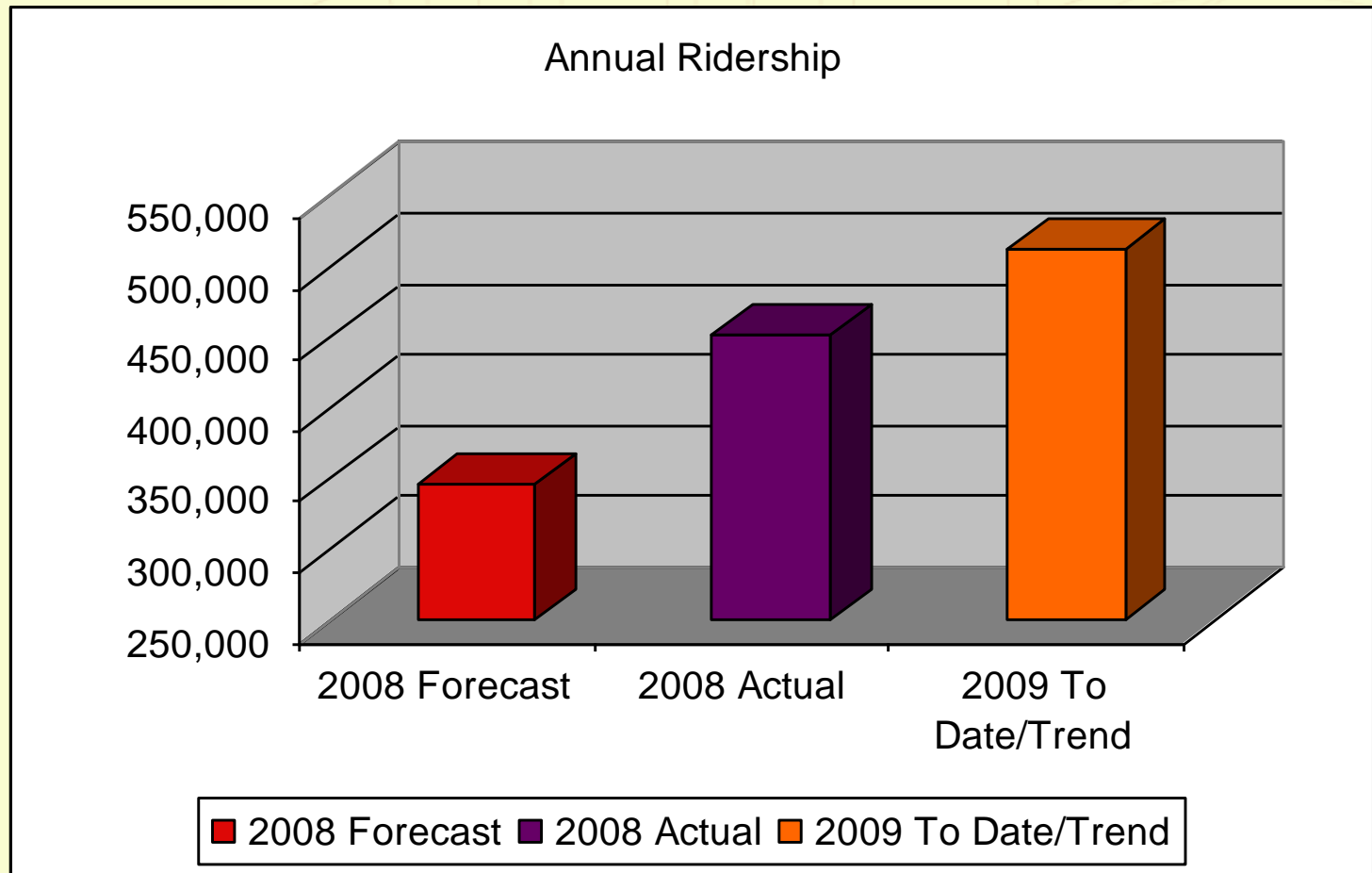
# Ridership Performance & Trends

## Average Daily Ridership by Month



# Ridership Performance & Trends

## 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.



# SEATTLE STREETCAR System Map

- SLU Line
- Central Line
- Fremont/Ballard Line
- U Line
- First Hill/ Capitol Hill Line



Seattle Streetcar





# SEATTLE STREETCAR NETWORK



Seattle Streetcar



# Priorities for Expansion

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

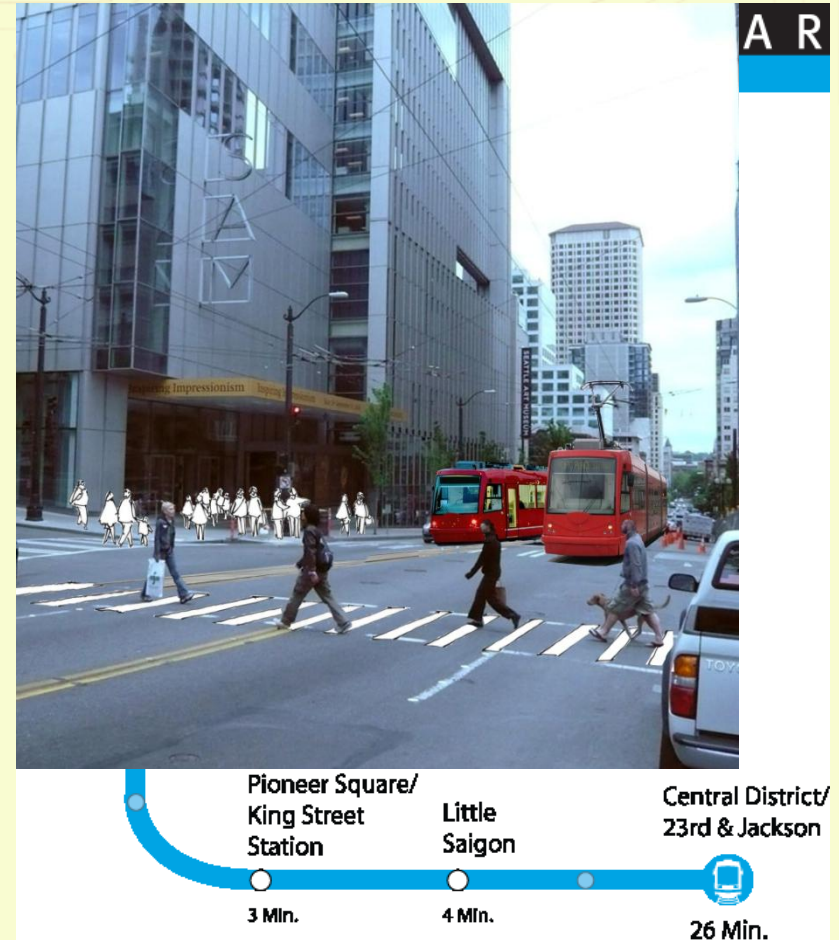


5 Min. Little Saigon  
20 Min. King Street Station



# 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 health-care oriented jobs and services of First Hill



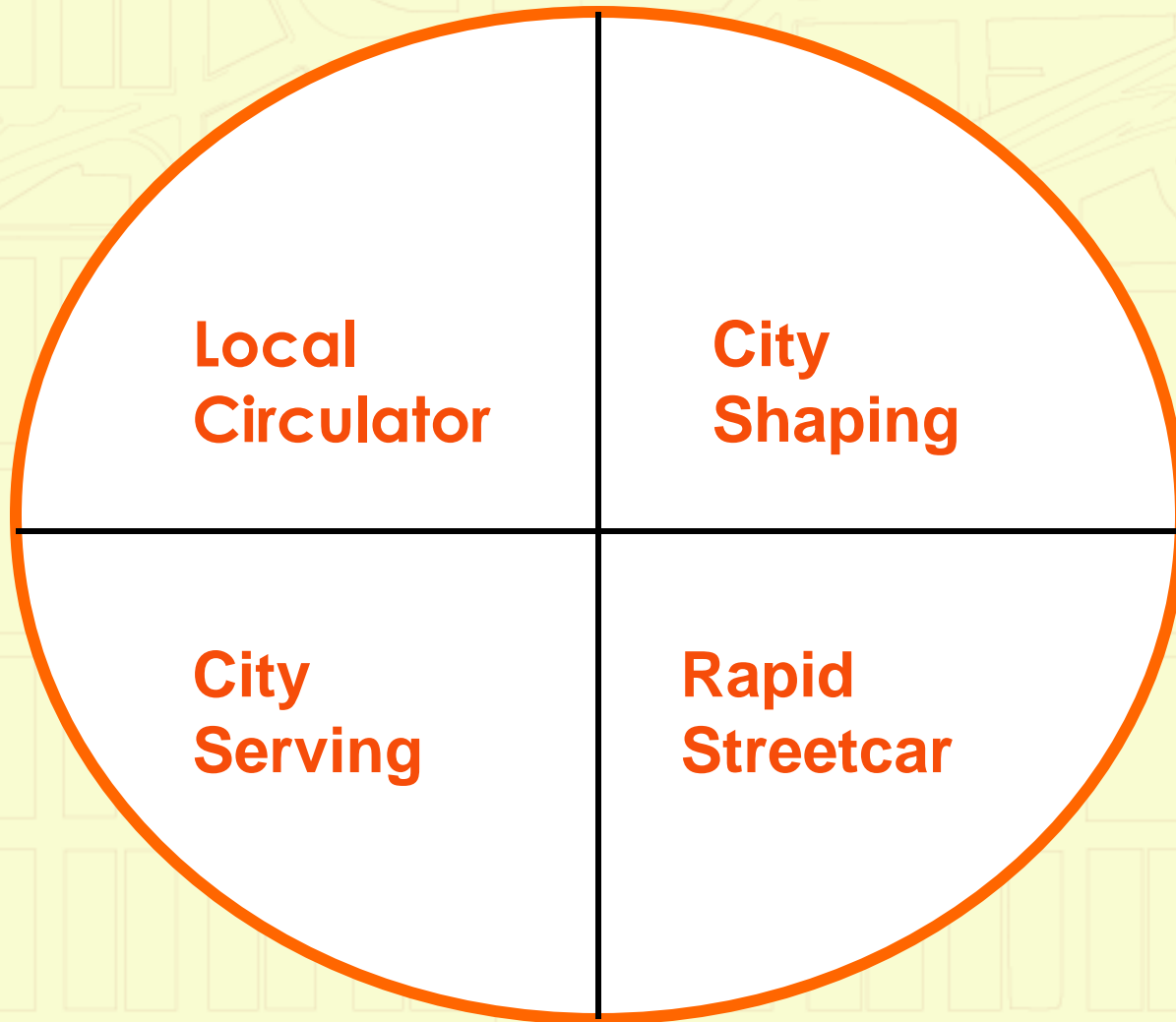


# Key Opportunities

- Streetcar Typologies & First Hill Streetcar



# Emerging Streetcar Typologies



# Streetcar Typologies

Local Circulator

Rapid Streetcar

Stop  
Spacing

2-3 Blocks

Up to .75 Miles

Average  
Speed

8-12 MPH

12-15 MPH



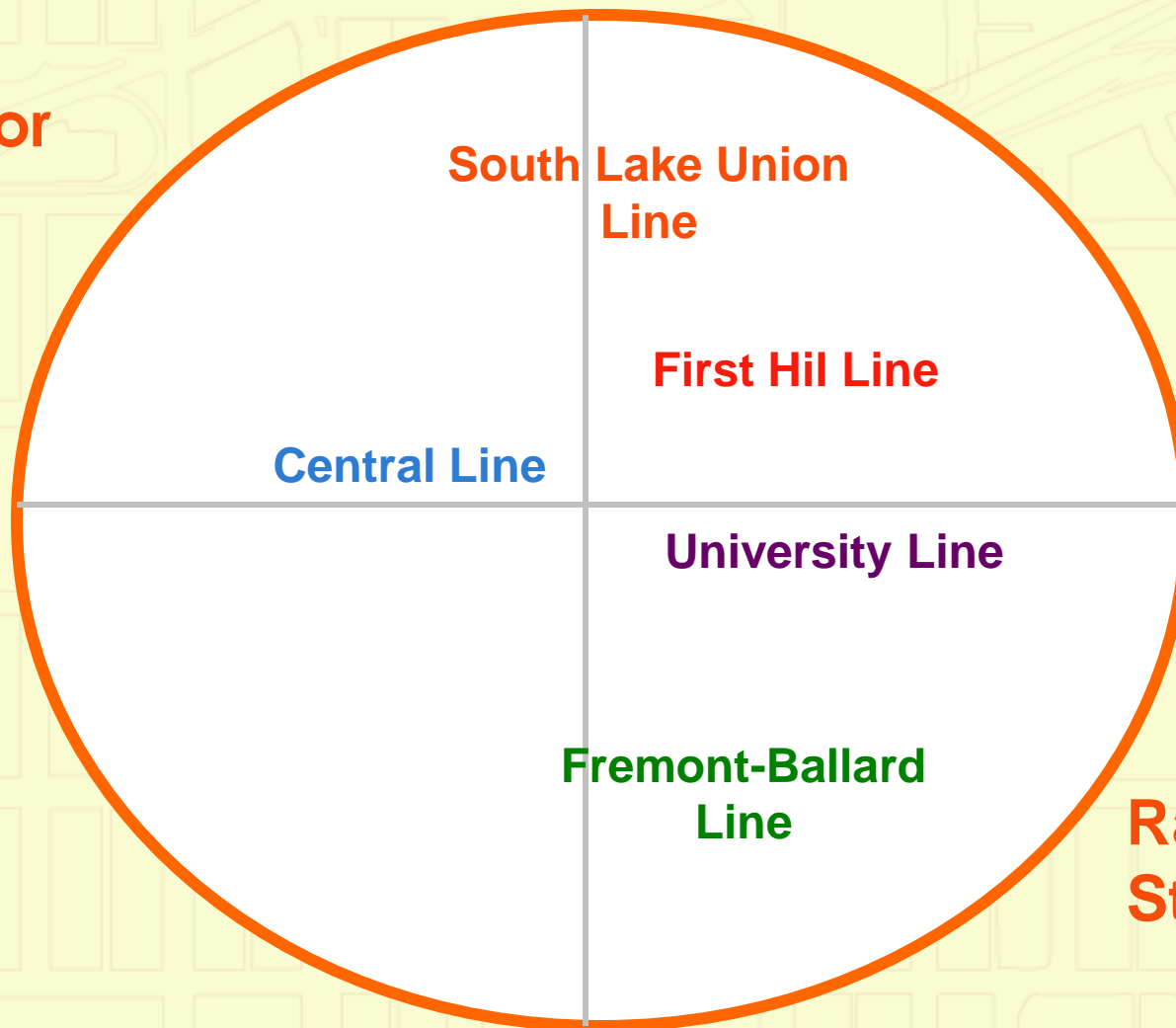
# Streetcar Network Typologies

Local  
Circulator

City  
Shaping

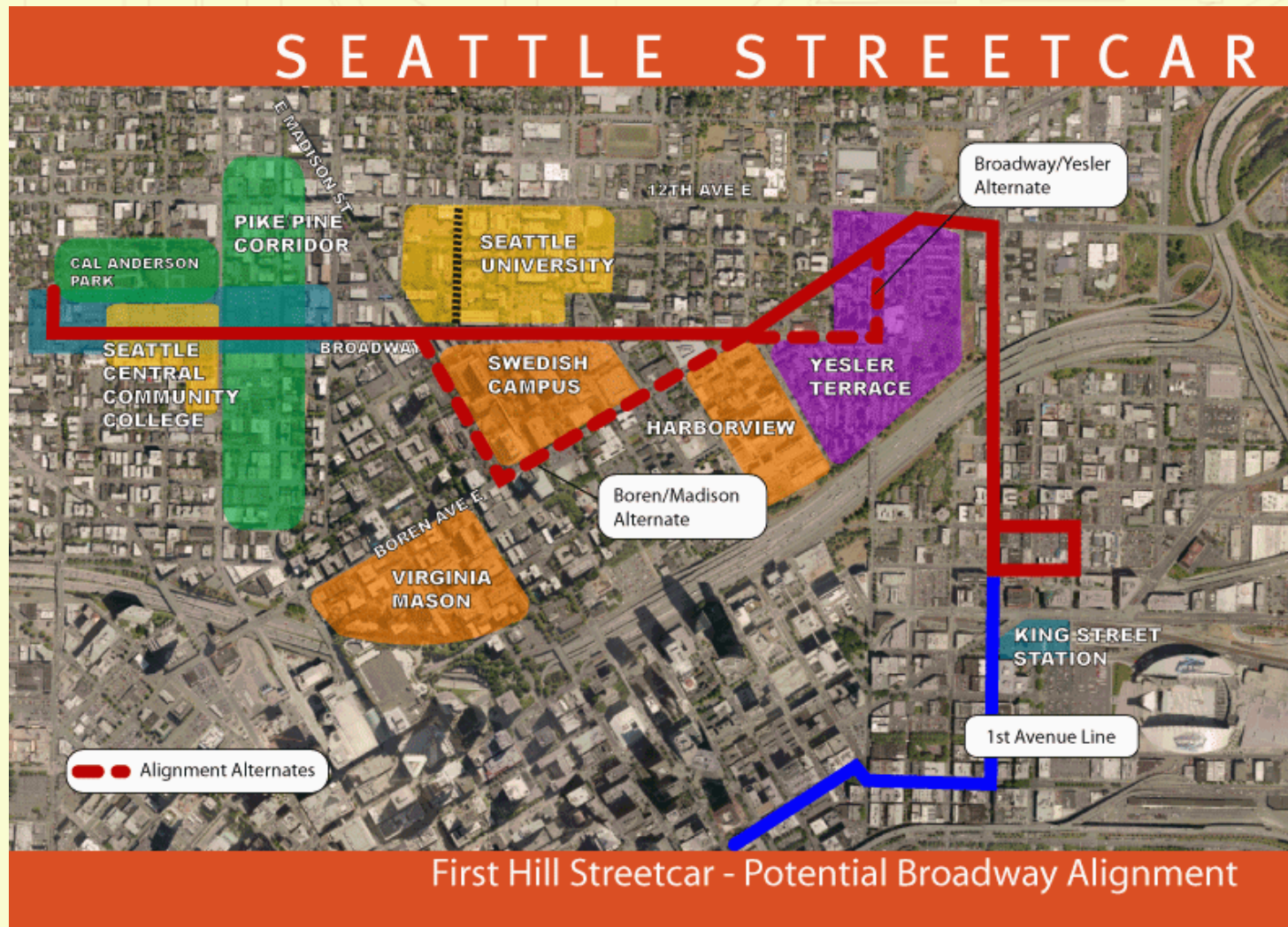
City  
Serving

Rapid  
Streetcar



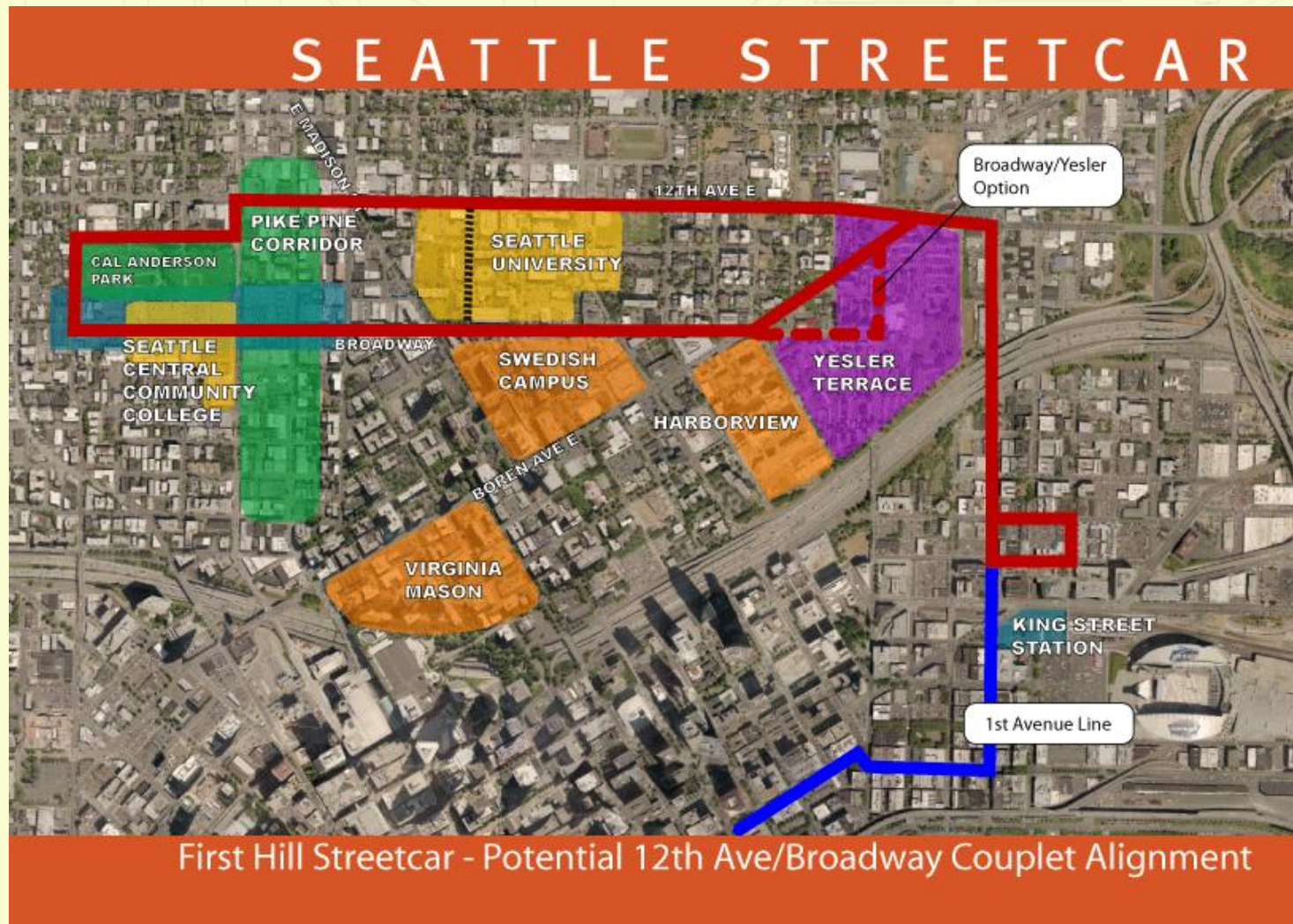


# Alignment Alternatives





# Alignment Alternatives



# Key Opportunities

- Streetcar Typology: City-Shaping, Local Circulator
- Shape: Yesler Terrace, Little Saigon, First Hill, Broadway, 12<sup>th</sup> 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

Outreach Phase	Key Content	Participants/Format	
Start of Concept Design	<ul style="list-style-type: none"> <li>• Purpose &amp; Need Statement</li> <li>• Identification of Alternatives for Analysis</li> <li>• Issues/Impacts to be Analyzed</li> <li>• Preliminary Urban Design Analysis</li> <li>• Supporting Graphics</li> <li>• Backgrounders</li> <li>• Schedule</li> </ul>	<ul style="list-style-type: none"> <li>• Public Meeting(s)</li> <li>• City Council Briefing</li> <li>• Community Group Briefings at Standing Meetings (and special forums)</li> <li>• Project-Specific Stakeholder Advisory Group</li> <li>• Existing Advisory Groups (Bike, Ped, Planning, Design)</li> <li>• Web Presence</li> </ul>	

# Public Involvement

Outreach Phase	Key Content	Participants/Format
Concept Design Report & Environmental Assessment	Alignment Comparisons: <ul style="list-style-type: none"><li>• Cost</li><li>• Impacts (Parking, Traffic, Utilities)</li><li>• Ridership/Travel Time</li><li>• Urban Design/Graphics</li></ul>	<ul style="list-style-type: none"><li>• As Above</li></ul>



# Public Involvement

Outreach Phase	Key Content	Participants/Format
PE/Final Design	<ul style="list-style-type: none"><li>• Platform &amp; Station Details</li><li>• Public Art</li><li>• Schedule</li></ul>	<ul style="list-style-type: none"><li>• As Above</li><li>• Formal Review by Design Commission</li></ul>



# Public Involvement

Outreach Phase	Key Content	Participants/Format
Construction	<ul style="list-style-type: none"><li>• Full Time Community Liaison</li><li>• Schedule/Updates</li><li>• Description of Activities</li><li>• Two-Way Feedback with Affected Stakeholders/ Construction Team</li></ul>	<ul style="list-style-type: none"><li>• Door-to-Door</li><li>• Web/Email</li><li>• Community Groups (Standing Meetings)</li><li>• Construction Open Houses (Quarterly)</li></ul>



# Central Line (First Avenue Line)

- Project Background:
- Seattle Streetcar Network—Central Line (to 23<sup>rd</sup> & Jackson)
- AWW: 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



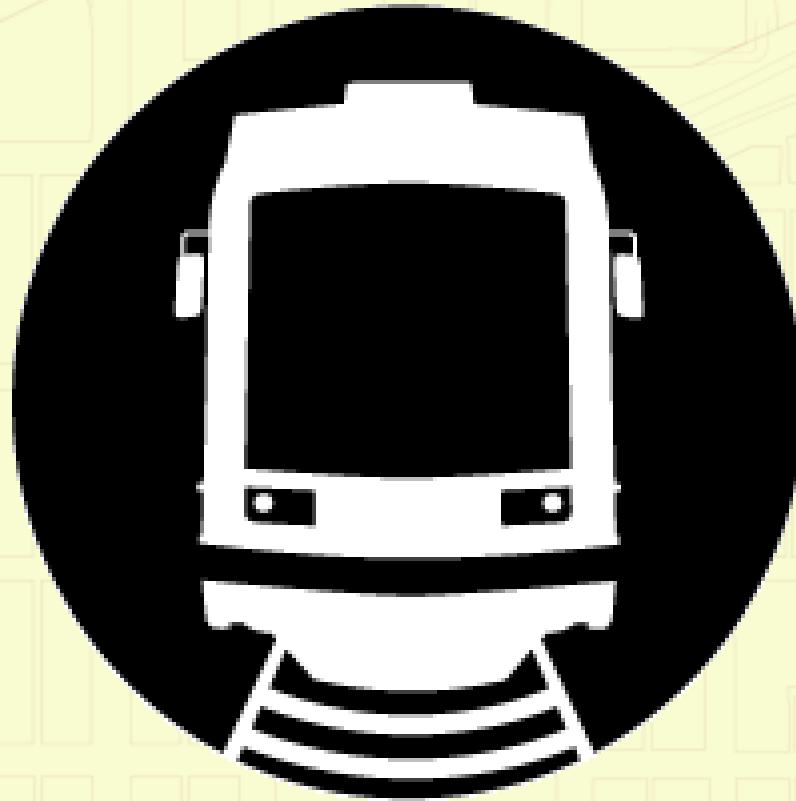




Seattle Streetcar



[www.seattlestreetcar.org](http://www.seattlestreetcar.org)



Seattle Streetcar

