



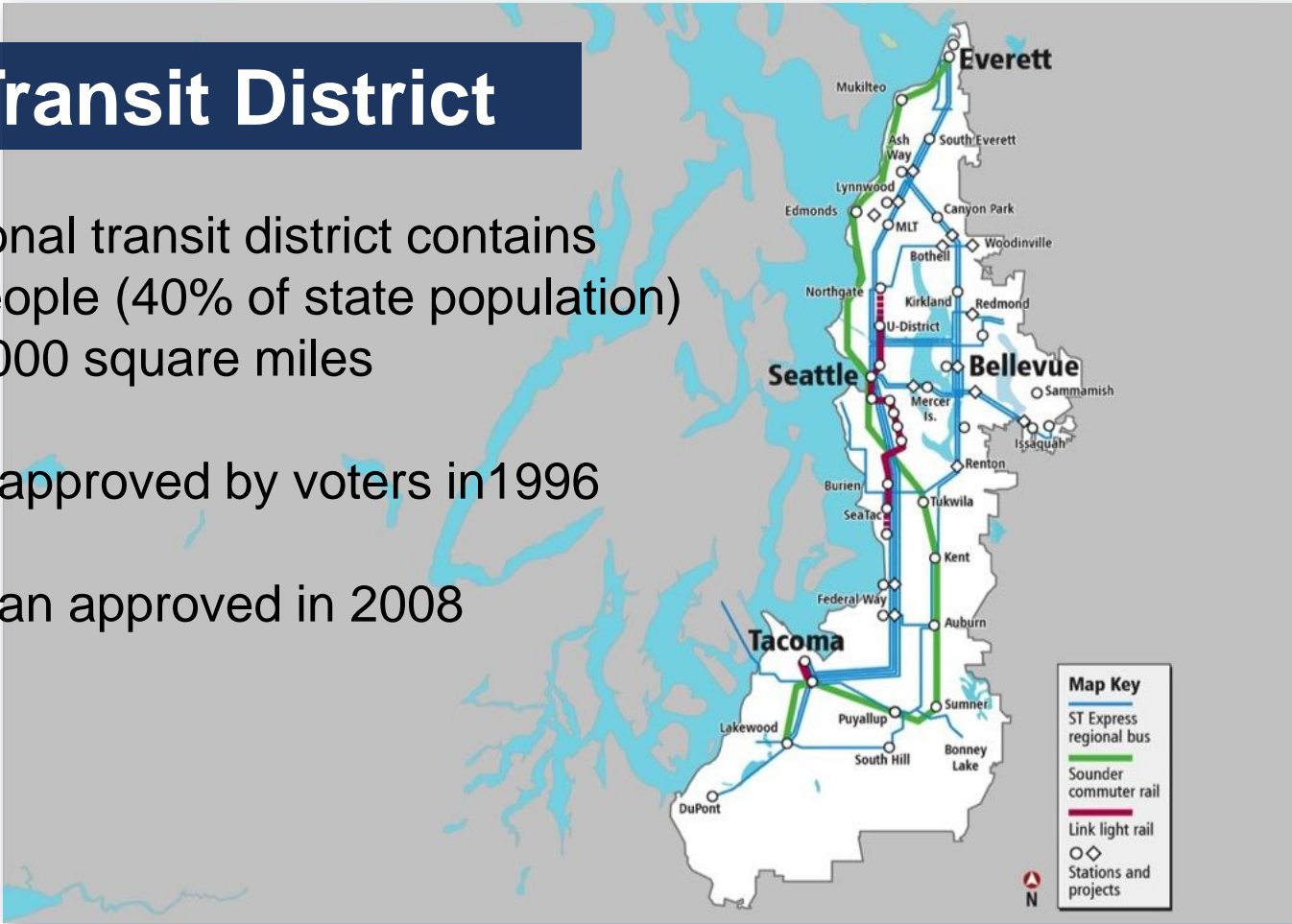
Transmission Line Relocation Update

June 11, 2014 North Seattle Community College

 **SOUNDTRANSIT**

The Sound Transit District

- Three-county regional transit district contains almost 3 million people (40% of state population) and covers over 1000 square miles
- Sound Move Plan approved by voters in 1996
- Sound Transit 2 Plan approved in 2008



ST Tax Revenue is Down \$4.7 Billion (29%) Due to Recession

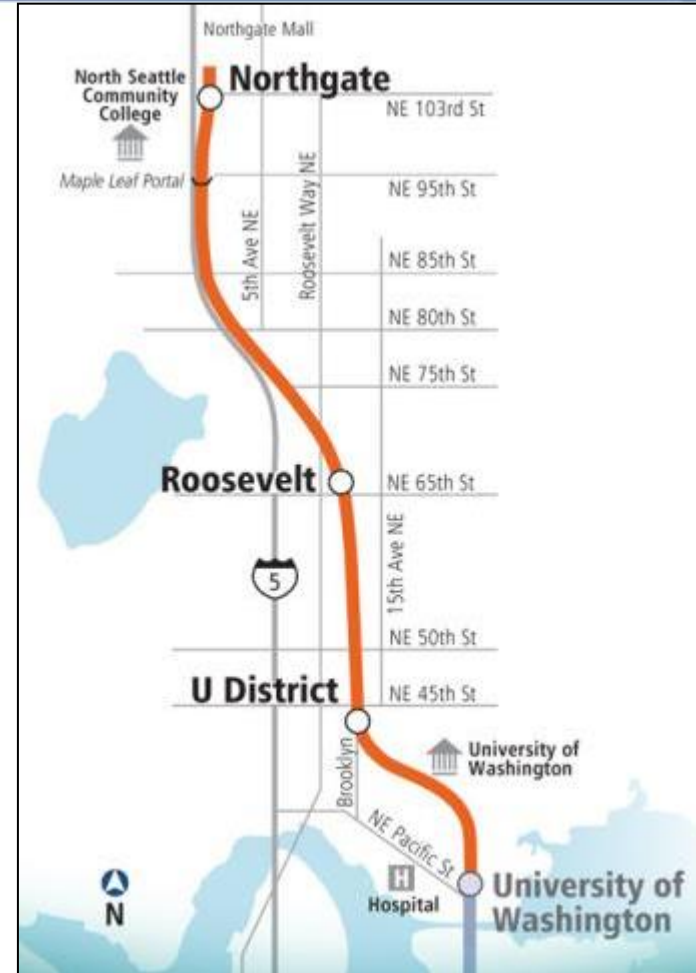
Status of ongoing program realignment:



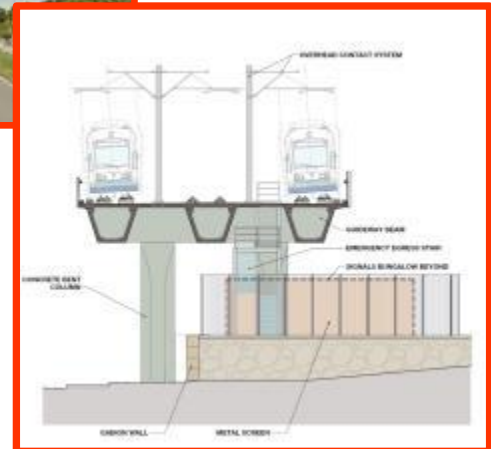
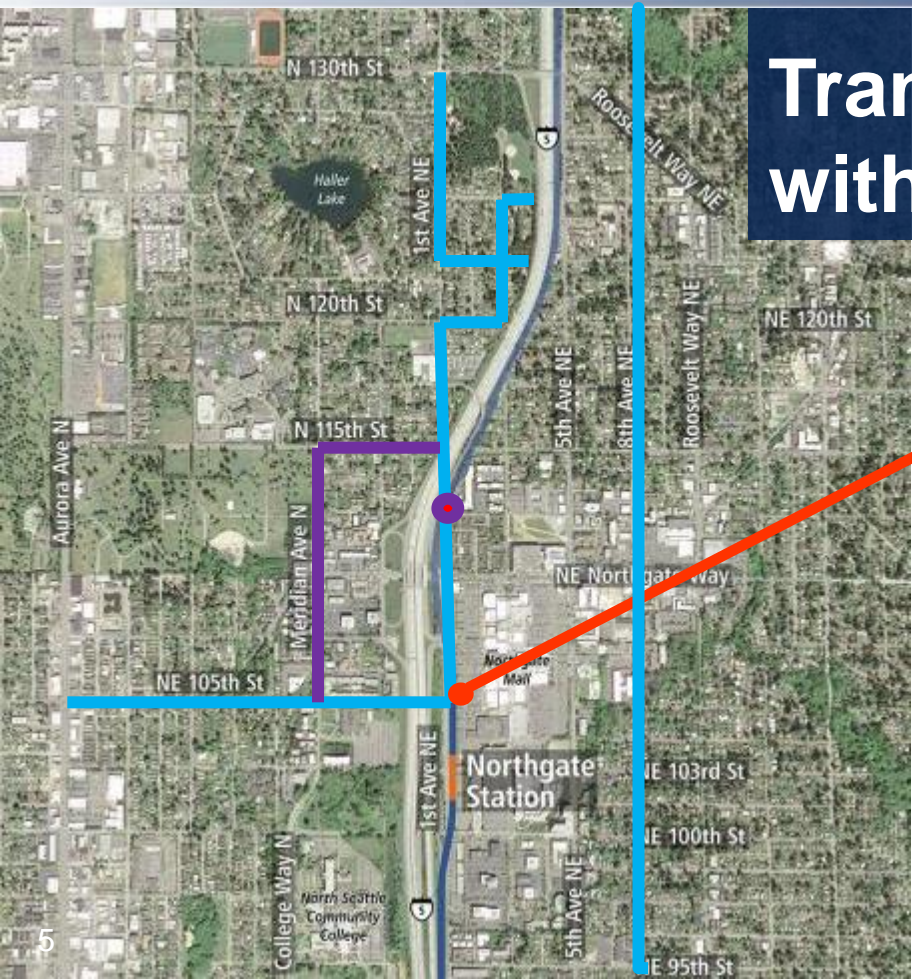
- Design & Construct as planned
- Keep Moving: closely track schedule and cost uncertainties & risks
- Retain only limited funding to develop options
- Suspend: no activity, defund from finance plan
- Delete from program

- 4.3-mile light rail extension
- Stations at U District, Roosevelt, and Northgate
- Open for Service: 2021
- 62,000 daily boardings added to system by 2030

Northgate Link Extension

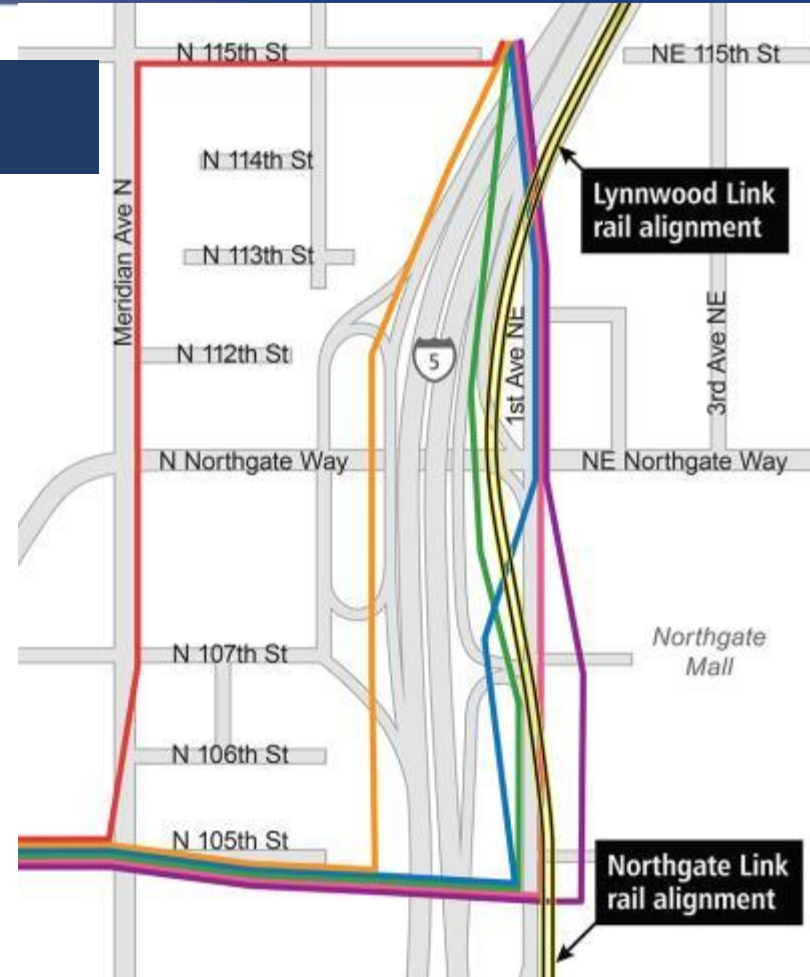


Transmission Lines Conflict with Elevated Guideway



Options Studied

- To avoid conflicts on 1st Ave NE, several alternatives east of I-5 were considered
- SCL conceptually approved Meridian Avenue N. & N. 115th Street route





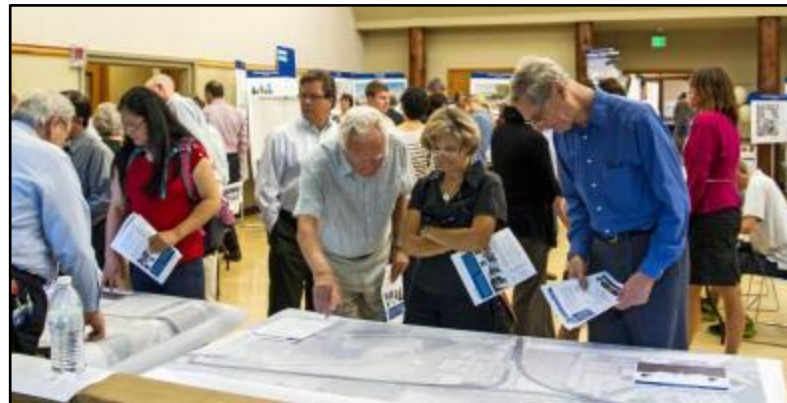
115kV Transmission Lines Relocation

- Scope of transmission line relocation:
 - relocate ~ 4,000' of 115kV line
 - install 13 new poles in street right-of-way
 - taller pole height to avoid tree impacts
 - steel poles will replace some wood poles
- Initial proposal presented at public meeting in December

Community Feedback - December

Poles out of character with residential neighborhood and not appropriate for non-arterial street:

- Too tall
- Too wide
- Steel



Project Improvements

- Modified 3 poles from steel to wood poles
- Reduced heights along N.115th Street down to 95 feet (up to 20 foot reduction)
- Modified pole placements to avoid utility conflicts



2100 Block – N. 115th Street



EXISTING



MODIFIED

Community Suggested Alternatives - March

Community Suggestions from the Haller Lake Meeting on March 6th

- Underground line along N. 115th Street
- Consider alignment on west side of I-5 using WSDOT property



Undergrounding Alternative

Undergrounding along N. 115th Street

- Adds too much cost—higher risk of cost overruns and increases the impacts of construction
- Regional responsibility—our commitment to spend taxpayer dollars building a regional transportation system on time and on budget

West I-5 Alternative



West I-5: WSDOT Objections

1. Safety risk:

- During line installation and maintenance work
- Drivers who lose control could hit poles

2. Limits future freeway uses:

- Staging for freeway maintenance work
- Long term expansion



- Reduced Pole Heights
- Replaced Steel with Glue-Laminated (Glu-Lam) Wood Poles
- Narrowed Width of Pole Base

Preferred Alternative

Glu-Lam poles on N.115th Street



N. 115th Street at Corliss Avenue N. Looking East



EXISTING



INITIAL



MODIFIED

Next Steps

- Geotechnical and environmental documentation – Summer 2014
- Final Design – Fall/Winter 2014
- Replace Poles – 2015

Questions?

The image features a dark grey horizontal band across the center. On the left side of this band is the Sound Transit logo, which consists of a stylized white 'S' and 'T' combined into a single symbol. To the right of the logo, the words 'SOUNDTRANSIT' are written in a bold, white, sans-serif font. Below 'SOUNDTRANSIT', the slogan 'RIDE THE WAVE' is written in a smaller, white, sans-serif font. The background of the entire image is a close-up of a white and blue transit vehicle with large windows and stylized wave graphics in shades of blue and teal.

SOUNDTRANSIT
RIDE THE WAVE