

North Corridor Transit Project

Extending mass transit from Northgate to Lynnwood

Sound Transit Capital Committee Briefing

September 8, 2011

Today's briefing

Alternatives Analysis results

Next steps to begin DEIS

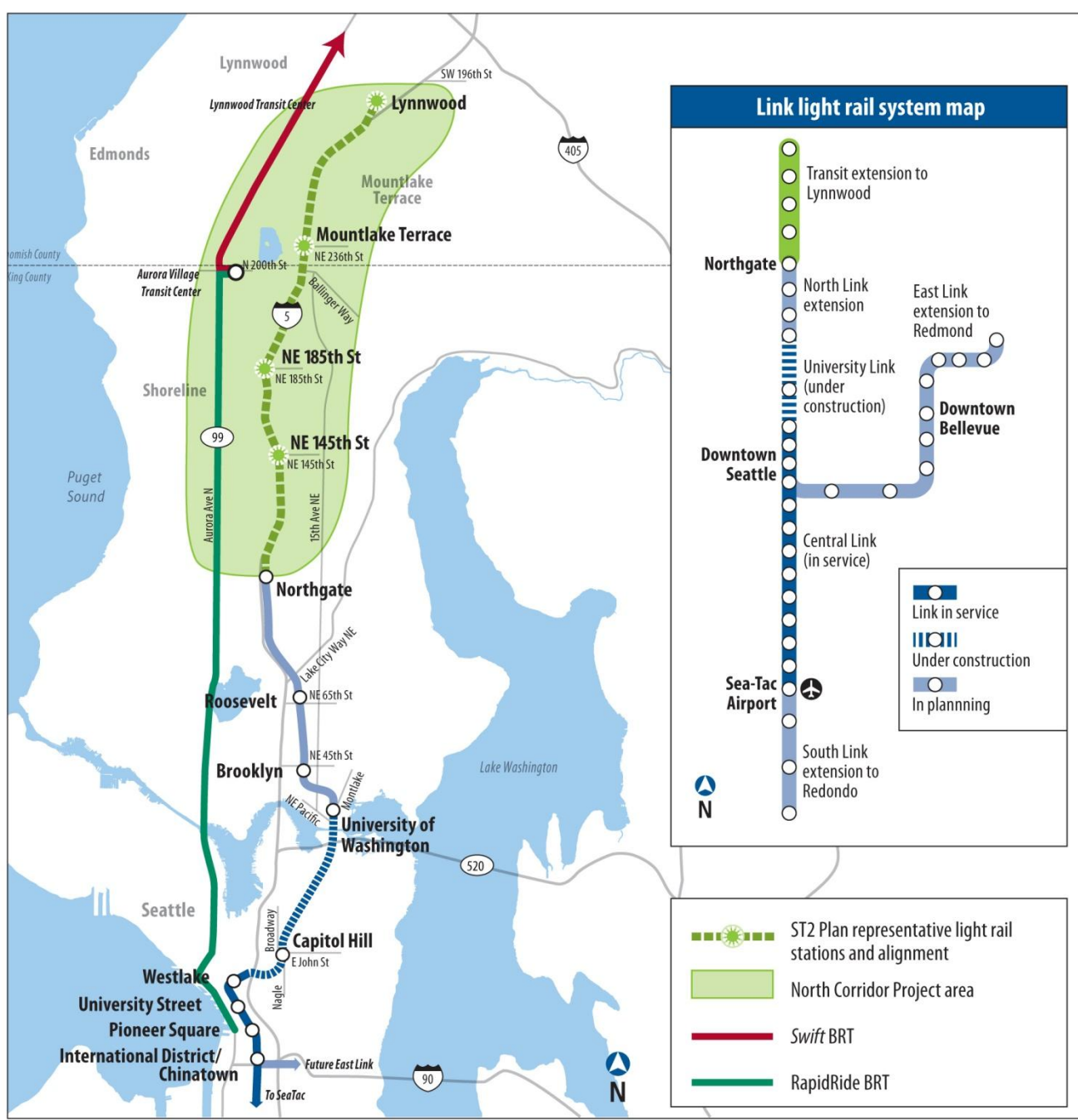


Figure 2-1. North Corridor Project Area and Relation to Link Light Rail System

2010 - 2011: Alternatives Analysis

Develop, evaluate & narrow alternatives

Public comment:
Early public scoping

Public comment:
Environmental scoping on
narrowed alternatives

ST Board identifies
Environmental Impact
Statement (EIS) alternatives

2012 - 2014:

Environmental Review & Preliminary Engineering

Prepare preliminary
engineering & final EIS

ST identifies
preferred
alternative

FTA grants permission
to begin preliminary
engineering

Prepare draft EIS

Issue draft EIS for
public comment

Issue final EIS and
ST selects project
to be built &
operated

FTA issues record of
decision (ROD) and
grants permission to
begin final design

2015 - 2017: Final Design & Permitting

Prepare final design

Obtain permits &
acquire rights-of-way

Apply for FTA grant

Secure FTA grant

2017 - 2023: Construction & Service Startup

Test systems & service

Build project

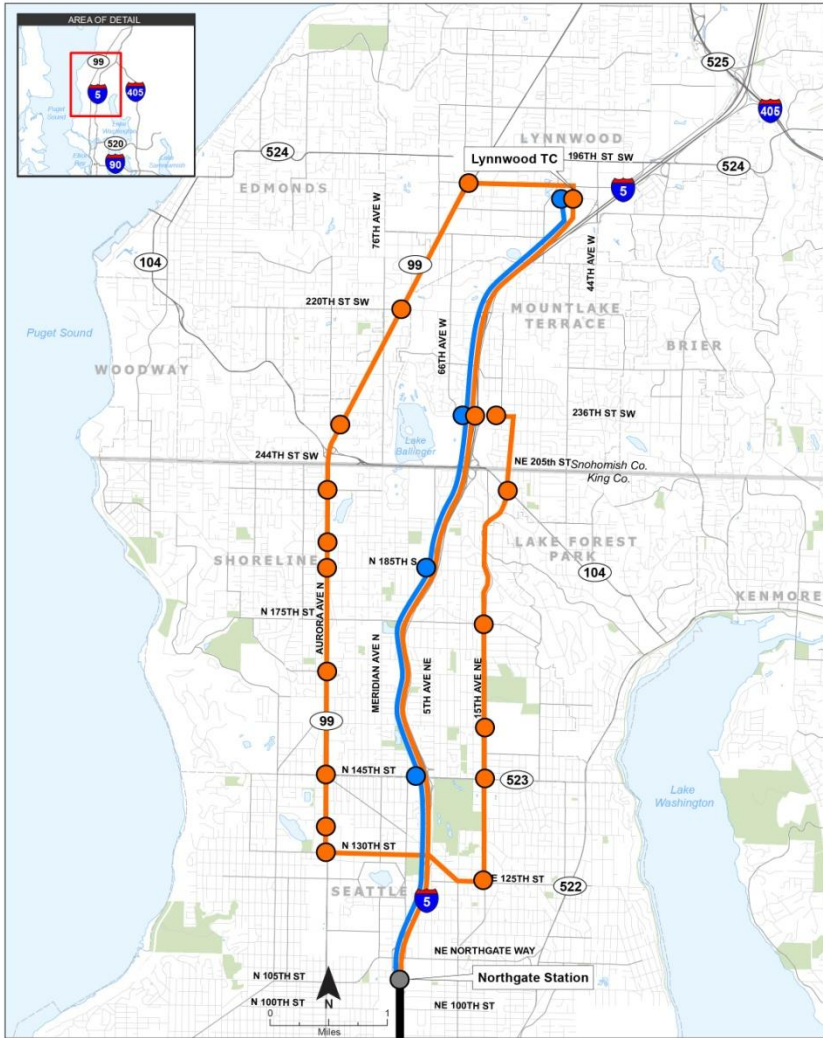
2023: Target
Start of Service

We are here

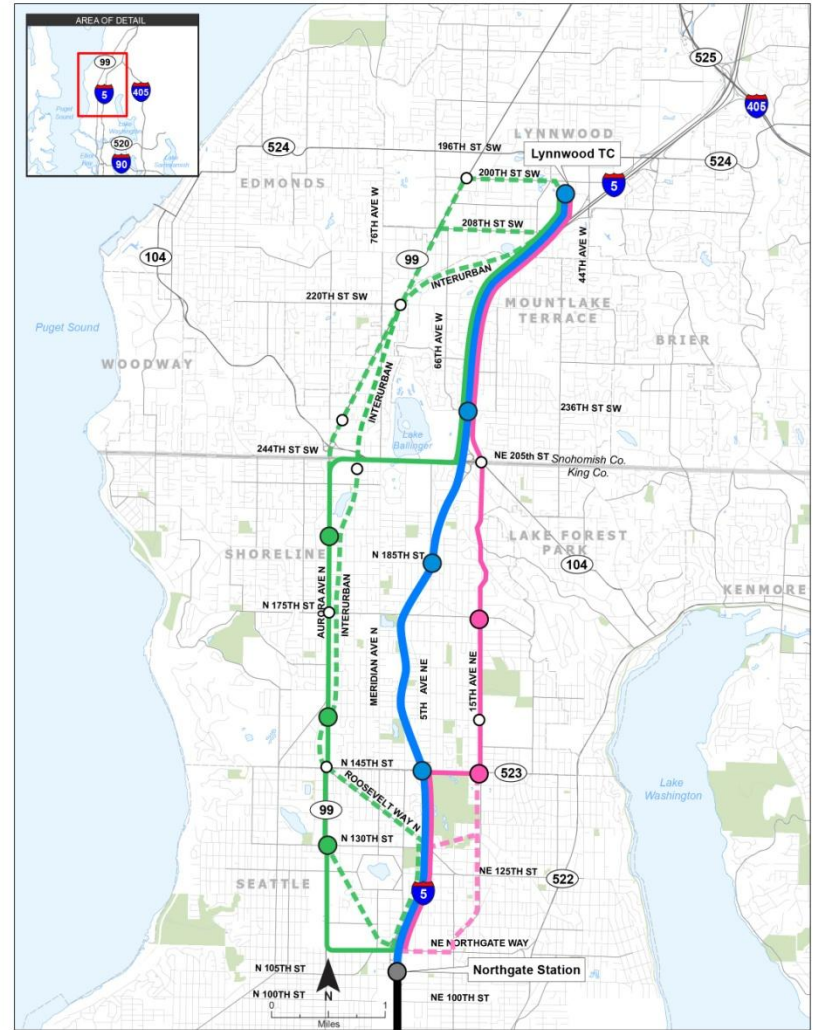
Project schedule

AA milestones to date

- October 2010: early public scoping
- December 2010: Board briefed on project approach, early scoping, alternatives and Initial screening
- January 2011: Capital Committee follow-up
- April 2011: Capital Committee briefed on Level 1 screening
- Summer 2011: Level 2 screening, draft AA report and FTA review completed
- September 2011: Capital Committee briefed on final AA results



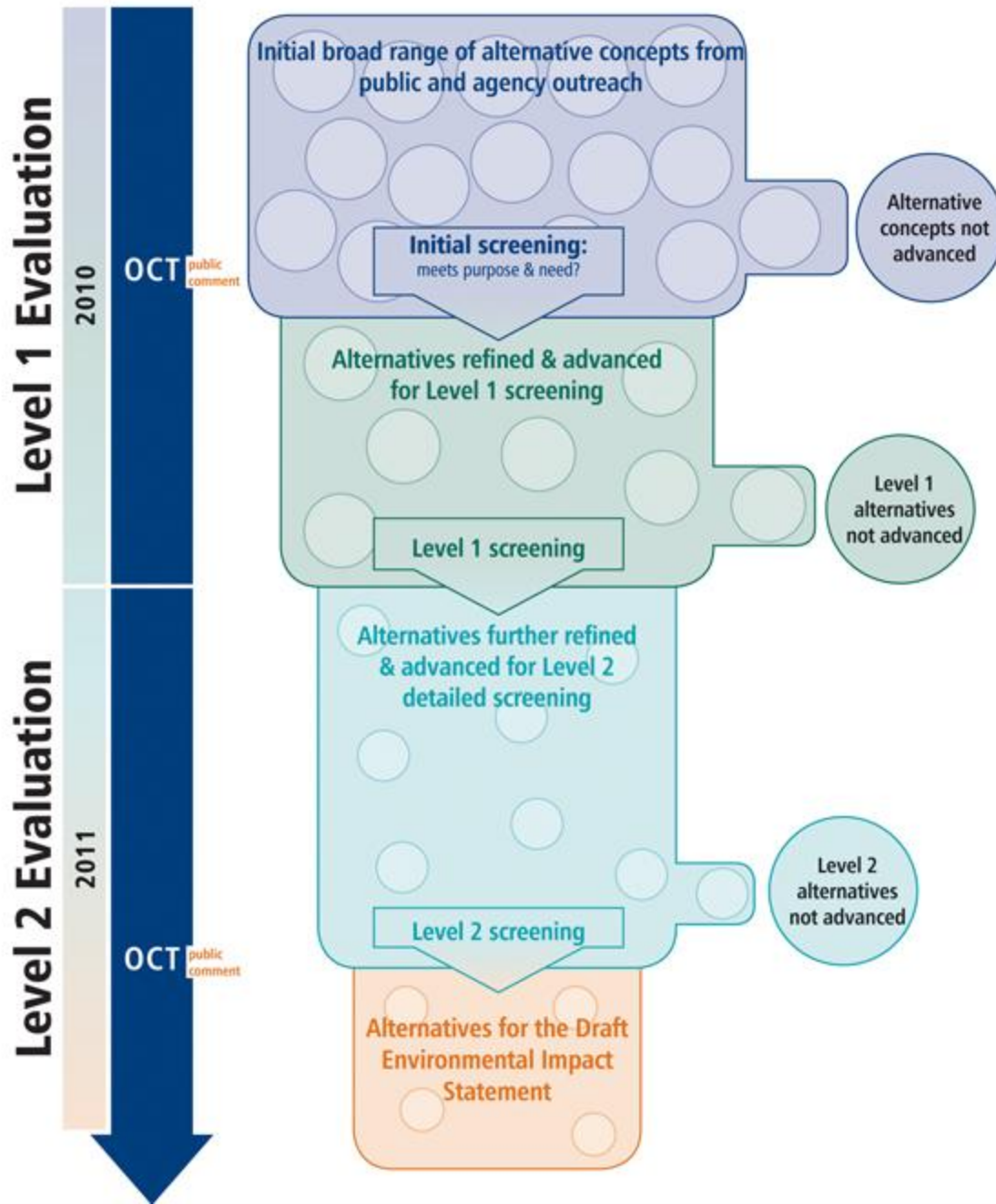
- North Link Light Rail Service
- SR 99/I-5/15th Avenue NE BRT Alternative
- I-5 BRT Alternative
- North Link Station
- Potential BRT Station



- SR 99 Light Rail Route
- - - SR 99 Route Variation
- 15th NE Light Rail Route
- - - 15th NE Route Variation
- I-5 Light Rail Route
- North Link Light Rail
- Light Rail Station
- Light Rail Station Variation

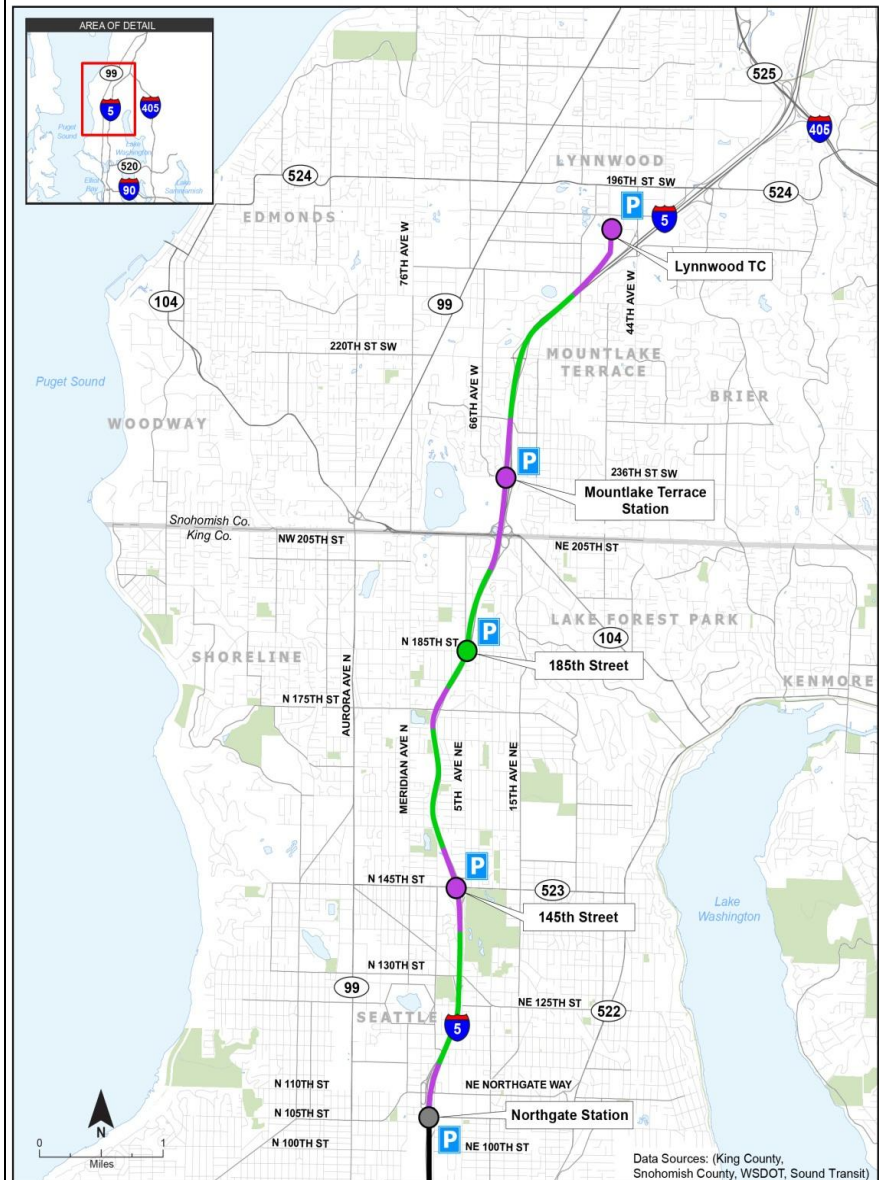
Initial BRT & Light Rail Alternatives

ALTERNATIVES ANALYSIS EVALUATION FRAMEWORK



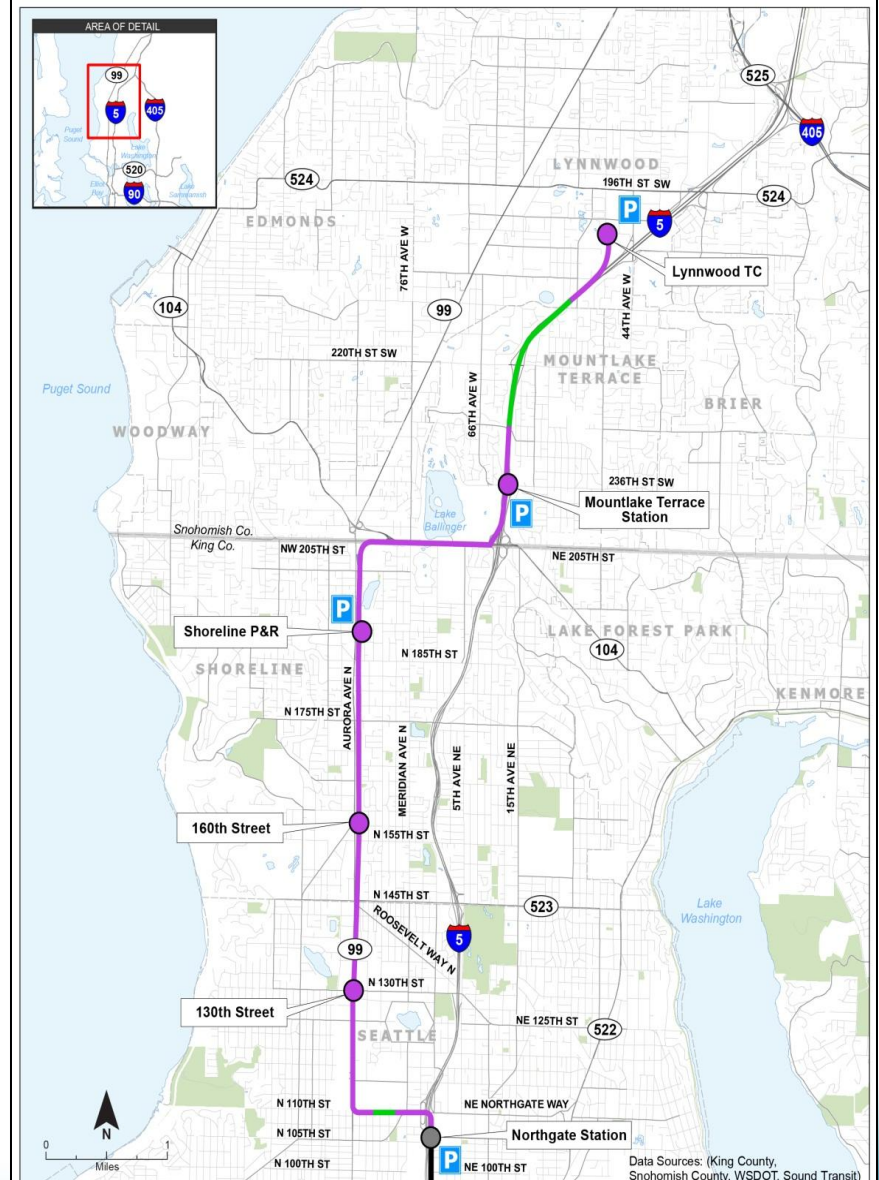
Screening process

- Initial screening
- Level 1 screening
- Level 2 screening
- Board identifies alternatives to advance to DEIS



I-5 Light Rail

- Elevated Light Rail
- At-Grade Light Rail
- Elevated Light Rail Station
- At-Grade Light Rail Station
- P North Link Light Rail
- P North Link Station
- P Parking Available at Station



99 Light Rail Elevated

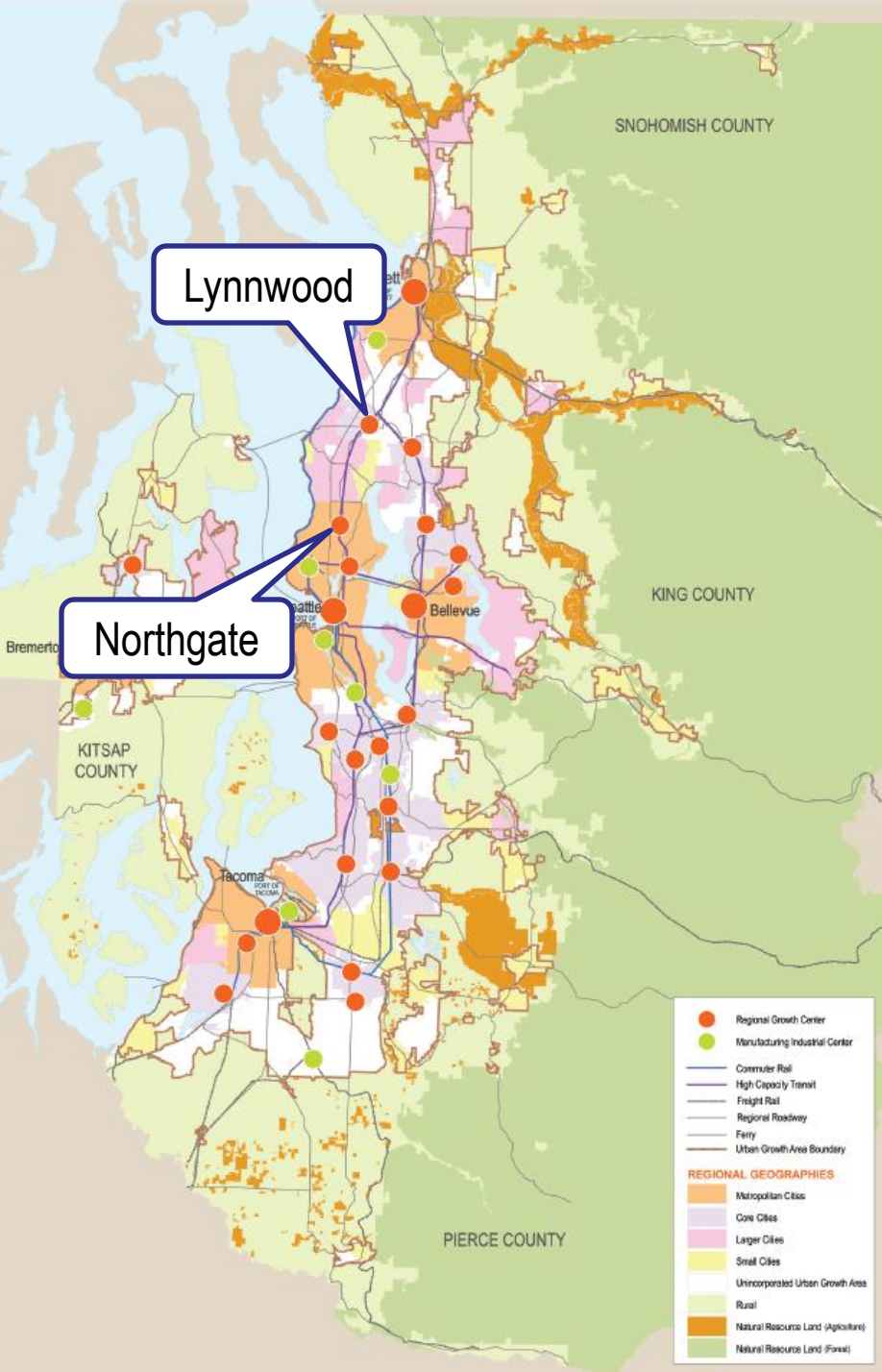
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Most Promising Alternatives

SR 99 v. I-5 Light Rail: Performance

Measure	SR 99 All-Elevated LRT	I-5 At-Grade/Elevated LRT
Length / stations	10.2 miles / 5	8.5 miles / 4
Frequency	4/10 minutes peak/off-peak	4/10 minutes peak/off-peak
Vehicles required	42	32
Travel time: Lynnwood-Northgate	18 minutes	14 minutes
2030 daily riders	48,000 per day	52,000 per day
2030 new riders / hrs saved	3.9 M / 3.8 M per year	4.5 / 4.6 M per year
TOD & economic development potential	<i>Stronger along the line Weaker for V2040 centers</i>	<i>Weaker along the line Stronger for V2040 centers</i>
Property impacts	<i>High commercial Low residential</i>	<i>Low commercial Moderate residential</i>
Traffic impacts	<i>Minor impacts</i>	<i>Minor improvements</i>
Construction impacts	<i>Moderate; long duration</i>	<i>Low-moderate; long duration</i>
Environmental impacts	<i>Moderate (e.g. noise, visual)</i>	<i>Moderate (e.g. wetlands)</i>

Vision 2040 Regional Growth Centers



- Northgate and Lynnwood are the designated Growth Centers in the North Corridor
- Vision 2040 prioritizes regional transportation investment in the Growth Centers
- Sound Transit's Long Range Plan prioritizes connections between Growth Centers

SR 99 v. I-5 Light Rail: Costs

Measure	SR 99 Elevated LRT (mid-2010\$)	I-5 At-Grade/Elevated LRT (mid-2010\$)
Capital Cost	\$2,010 - \$2,310 M	\$1,420 - \$1,640 M
Difference v. I-5 LRT	\$590 - \$670 M	---
Difference v. ST Financial Plan*	\$470M over to \$770 M over	\$120 M under to \$100 M over
Cost per New Passenger in 2030	\$41 - \$46	\$25-\$29

* 2011 TIP estimate funded in ST Financial Plan = \$1,540 M (mid-2010\$)

Next Steps

- September: finalize AA & release results; publish Notice of Intent to prepare NEPA/SEPA EIS
- October: EIS scoping meetings & comments
- November: share scoping results
- December: ST Board identifies alternatives to evaluate in DEIS and approves consultant contract amendment
- January 2012: Begin DEIS