## **North Corridor Transit Project**

Extending mass transit from Northgate to Lynnwood

Sound Transit Capital Committee Briefing September 8, 2011

#### Lynnwood Lynnwood Link light rail system map Lynnwood Transit Ce Edmonds Transit extension to Mountlake Lynnwood Terrace **Mountlake Terrace** Northgate () Aurora Village North Link Fast Link Transit Center extension extension to Redmond 000 NE 185th St University Link Shoreline (under construction) Downtown Bellevue NE 145th St Downtown Seattle NE 145th St Puget Central Link (in service) Northgate Link in service IIDII **Under construction** Sea-Tac 0 NE 65th St oosevelt **Airport** In plannning South Link Lake Washington Brooklyn O extension to 0 Redondo University of Washington (520) Seattle ST2 Plan representative light rail **Capitol Hill** stations and alignment Westlake North Corridor Project area **University Street Pioneer Square** Swift BRT International District/ Future East Link 90 Chinatown RapidRide BRT To SeaTac

# 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: Public comment: Environmental scoping on Early public scoping ST Board identifies narrowed alternatives **Environmental Impact** Statement (EIS) alternatives 2012 - 2014: **Environmental Review & Preliminary Engineering** ST identifies Prepare draft EIS preferred alternative Prepare preliminary FTA grants permission Issue draft EIS for engineering & final EIS to begin preliminary public comment engineering Issue final EIS and ST selects project to be built & FTA issues record of operated decision (ROD) and 2015 - 2017: grants permission to begin final design **Final Design & Permitting** Obtain permits & Prepare final design 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 FTA: Federal Transit Administration

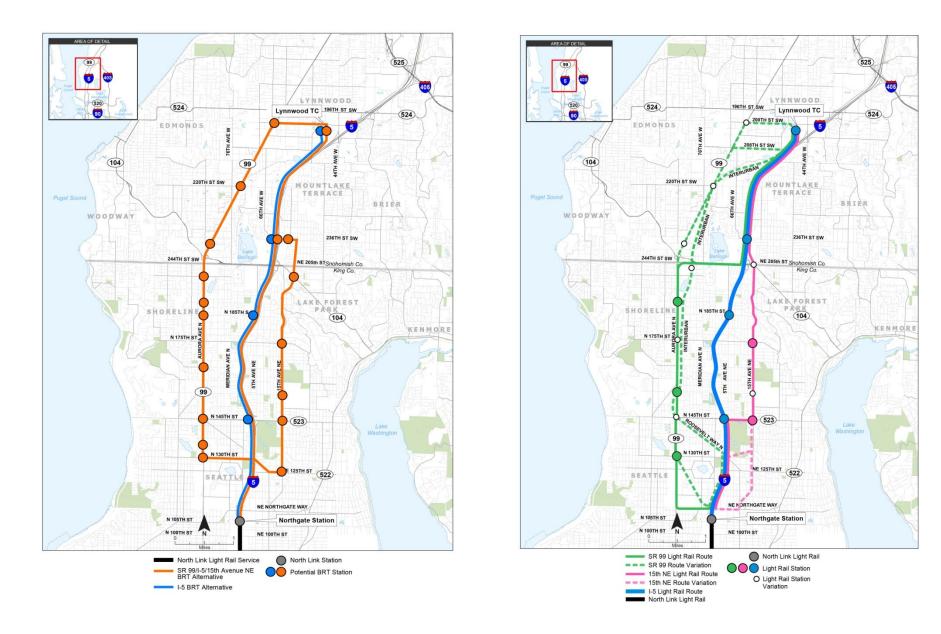
ST: Sound Transit

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

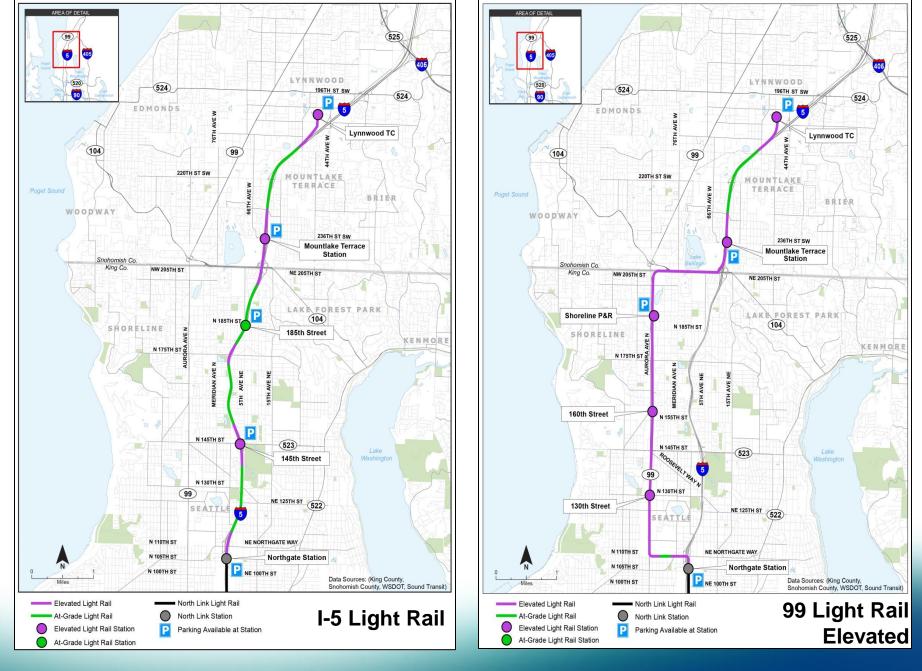


#### Initial BRT & Light Rail Alternatives

#### ALTERNATIVES ANALYSIS **EVALUATION FRAMEWORK** Initial broad range of alternative concepts from public and agency outreach Level 1 Evaluation Alternative concepts not Initial screening: advanced OCT meets purpose & need? Alternatives refined & advanced for Level 1 screening Level 1 alternatives not advanced Level 1 screening Alternatives further refined & advanced for Level 2 evel 2 Evaluation detailed screening Level 2 alternatives not advanced Level 2 screening OCT Alternatives for the Draft **Environmental Impact** Statement

## Screening process

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



#### **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	Stronger along the line Weaker for V2040 centers	Weaker along the line Stronger for V2040 centers
Property impacts	High commercial Low residential	Low commercial Moderate residential
Traffic impacts	Minor impacts	Minor improvements
Construction impacts	Moderate; long duration	Low-moderate; long duration
Environmental impacts	Moderate (e.g. noise, visual)	Moderate (e.g. wetlands)

## SNOHOMISH COUNTY Lynnwood KING COUNTY Northgate KITSAP PIERCE COUNTY Small Cities Natural Resource Land (Forest

## 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

<sup>\* 2011</sup> 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