Link Light Rail Open House: Preparing for Sound Transit’s Design Process

Shorewood High School

January 27, 2016
This meeting is about

The Sound Transit Design Process, including City and resident involvement

Purpose to:

• Provide information about background and how to participate moving forward

• Solicit comment on City Council Draft Guiding Principles for Light Rail Facility Design

• Visualize design elements for stations and garages
This meeting is NOT about

- Subarea Planning or Corridor Studies
- No programmed discussion of zoning or property impacts tonight

That said…

- There are multiple distinct but related projects that the City and Sound Transit are working on in 2016
145th Corridor Study

- Open House on February 24
- Council could select Preferred Concept in April
- Preferred Concept would be refined through multiple year process of Environmental Review and Design

shorelinewa.gov/145corridor
Subarea Planning will resume with discussions at Planning Commission in February, March, and April.

Council could select Preferred Alternative zoning scenario for Final EIS in May, potentially adopt in September.

shorelinewa.gov/145station or shorelinewa.gov/lighttrail
City hosted

- 5 Visioning events in 2013
- 4 Design Workshops in 2013 and 2014
- Many comments received about station and garage design
- Became basis for Guiding Principles
Guiding Principles for Light Rail Facility Design

- Multi-modality
- Public Safety
- Sustainability
- Mobility
- Neighborhood Character
- Public Amenities
- Transit-Oriented Development
- Public Art
Lynnwood Link Extension

- 8.5 mile extension - Northgate to Lynnwood Transit Center
  - Fully exclusive right of way
  - ~55% retained cut/fill; ~45% elevated

- 4 stations:
  - Shoreline: NE 145th Street – elevated
  - Shoreline: NE 185th Street – retained cut
  - Mountlake Terrace: MLT Transit Center – elevated
  - Lynnwood: Lynnwood Transit Center – elevated

- ~1,500+ stalls of added P&R capacity in 3 new garages

- Potential future stations at 130th & 220th
Project Status and Schedule

- Begin final design: March 2016
- Initial Station Design and ST Open House: Q3 2016
- 60% Design and ST Open House: Q1 2017
- 90% Design and ST Open House: Q3 2017
- Begin Construction: 2018
- Open for Service: 2023
Design Outreach and Station Naming

Station Naming Process

Planning and environmental review

- We are here
- Initial design
- 60% design
- 90% design

Open Houses

Final design

Construction

Testing & pre-operations

Start of Service

2023
Link Light Rail System

- Light Rail is versatile: at-grade, elevated, tunnels
- Electrically powered light rail vehicles (LRVs) run on railroad tracks
- Power delivered by Overhead Contact System (OCS)
Link Light Rail Systems

- Traction power substations (TPSS)
- Signals buildings
- Communications cabinets
- Overhead Contact System (OCS)
Central Link Light Rail Vehicles

- 4 car consist – 380 feet long
- Low floor vehicles
- Wheelchair spaces at each door
- Bikes allowed on Link
Stations - Balanced Approach to Design

A. Elements of Continuity
   - Station layout
   - Families of parts / materials
     - standard glazing sizes
     - paving / way-finding
     - light fixtures
     - color palette
   - ST signage

B. Elements of Differentiation
   - Type of station
   - Community input
   - STart program
System-wide Elements

- Station signage
- Tactile & way-finding pavers
Color & Finishes

- Standard Link Paint Colors
- High Performance Coating
- Primarily Steel Structure
- Glass for visibility & light
- Stainless Steel for durability
- Materials with integral color
Bike Facilities

- Parking based on patronage
  - Bike racks
  - Bike lockers
  - Bike cages
Ticket Vending Machines & Orca Card Readers
Passenger Emergency Telephones, Speakers & Closed Circuit TV’s
Weather Protection

- Based on Ridership (30% min)
- Roof slope
- Rain angle 15°
- Signage / VMS
- Windscreens
Landscape Criteria
Standard Plant List – Native & Adaptive
Types of Stations
Mount Baker Station
(Elevated)
Tukwila International Boulevard Station
Angle Lake Station
Angle Lake Station Garage
Northgate Station
STart Public Art