

# Link LRT: Preliminary Engineering from Overlake Transit Center to Redmond (E. King County)

Project Number	E28b
Subarea	East King
Primary Mode Impacted	Link
Facility Type	Link Service
Version Number	1.0
Date Last Modified	4/24/2008

**Project Locator Map**



## Short Project Description

Complete environmental reviews and preliminary engineering for extending light rail from Overlake Transit Center to Redmond Terminal Station.

**Project Purpose:** to establish the route and station locations and expedite construction of this light rail segment.

## Cost

*in Millions of 2007\$*

	Low	High
Agency Admin	\$0.9	\$1.1
Environmental Clearance and PE	\$15.7	\$18.1
Final Design, Specs, Permitting	\$0.0	\$0.0
ROW Acquisition	\$0.0	\$0.0
Construction	\$0.0	\$0.0
Vehicles	\$0.0	\$0.0
Contingency	\$0.0	\$0.0
<b>Total</b>	<b>\$16.7</b>	<b>\$19.2</b>

## Design Basis

Conceptual

## Environmental Documentation Required

- Environmental Impact Statement Required
- Environmental Assessment Required
- Environmental Checklist Required

## Relationships to Other Projects

Relationship	Project
Dependent on	Implementation of Link LRT from Seattle IDS Station to Overlake Transit Center

## Project Partners

WSDOT
KC Metro
City of Redmond

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## Long Description

### Description:

This project would complete environmental reviews and preliminary engineering for extending light rail from Overlake Transit Center to Redmond Terminal Station to establish the route and station locations. The project also includes environmental reviews and preliminary engineering for expansion that may be needed for an East Link LRT maintenance facility to serve the expanded East Link LRT system.

Estimated costs reflect an approximately 3.7 mile segment of Link LRT. The estimated environmental clearance and PE costs are based on 5% of the range of conceptual capital construction costs for the Overlake Transit Center to Redmond Terminal Station segment of the representative light rail alignment developed for ST2 planning purposes. The estimated costs also include environmental reviews and preliminary engineering for expansion of an East Link LRT maintenance base to serve the expanded East Link LRT system.

### Project Elements Included:

- Complete environmental reviews assuming current NEPA/SEPA process requirements
- Perform preliminary engineering for the preferred alternative
- Prepare project definition and budget to support implementation as soon as funds become available

### Utilities:

- none

### Right-of-Way and Property Acquisition:

- none

### Mitigation:

- none

### Exclusions:

- none

### Permits Required:

- none

### Agreements Required:

- none

*ST has developed scope definitions for ST2 project proposals for the purposes of developing cost estimates, phasing of investments, a financial plan, and the estimation of project benefits. This scope definition should not be construed as a commitment that all defined features will be included in the final developed project.*

## Evaluation Measures

<b>Measure</b>	<b>Measurement/ Rating</b>	<b>Notes</b>
Average Weekday Ridership	N/A	
Capital Cost	\$16.7 - \$19.2	in Millions of 2007\$
Annual Operating Cost	N/A	
Travel Time & Reliability	N/A	
Connectivity & Integration	N/A	
Land Use & Development	High	
Customer Experience	N/A	
Risk Avoidance	High	

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## Key Issues and Benefits

### Issues:

- If the project is performed too far in advance of final design and construction, there is a risk that much or all of it would have to be re-done to reflect changed conditions and regulations. This project should be performed later in the ST2 program to minimize that risk.

### Benefits:

- Completes necessary environmental and engineering to allow quicker progression to final design and construction if funds become available.
- Preserves opportunity to seek future federal funding for construction.
- Completing this work would strengthen the cost estimates and establish a current baseline scope and cost.