Link LRT: Preliminary Engineering and Environmental Analysis from Kent-Des Moines Road to Tacoma Dome

**Project Number:** S132  
**Subarea:** South King  
**Primary Mode Impacted**  
**Facility Type**  
**Version Number:** 1.0  
**Date Last Modified:** 5/27/2007

### Short Project Description

Complete environmental reviews and preliminary engineering for extending light rail from Kent-Des Moines Road (Highline Community College vicinity) to Tacoma Dome Station.

Project Purpose: to establish the preferred route and expedite construction in a future phase of Sound Transit system development.

### Cost and Schedule

<table>
<thead>
<tr>
<th>Cost (in Millions of 2007$)</th>
<th>Low</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agency Admin</td>
<td>$0.0</td>
<td>$0.0</td>
</tr>
<tr>
<td>Environmental Clearance and PE</td>
<td>$72.0</td>
<td>$72.0</td>
</tr>
<tr>
<td>Final Design, Specs, Permitting</td>
<td>$0.0</td>
<td>$0.0</td>
</tr>
<tr>
<td>ROW Acquisition</td>
<td>$0.0</td>
<td>$0.0</td>
</tr>
<tr>
<td>Construction</td>
<td>$0.0</td>
<td>$0.0</td>
</tr>
<tr>
<td>Vehicles</td>
<td>$0.0</td>
<td>$0.0</td>
</tr>
<tr>
<td>Contingency</td>
<td>$0.0</td>
<td>$0.0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$72.0</strong></td>
<td><strong>$72.0</strong></td>
</tr>
</tbody>
</table>

### Design Basis

- Conceptual

### Environmental Documentation Required

- ✔ Environmental Impact Statement Required
- ☐ Environmental Assessment Required
- ☐ Environmental Checklist Required

### Relationships to Other Projects

<table>
<thead>
<tr>
<th>Relationship</th>
<th>Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impacts</td>
<td>S130, S131</td>
</tr>
<tr>
<td>Impacted by</td>
<td>S25, S16</td>
</tr>
</tbody>
</table>

### Project Partners

- WSDOT
- Utilities
- Cities of Kent, Des Moines, and Federal Way
- FTA
- FHWA
- King County Metro

---

Proposed Schedule Not Yet Developed

Kent-Des Moines Road (Highline C. C.)

Tacoma Dome Station
Link LRT: Preliminary Engineering and Environmental Analysis from Kent-Des Moines Road to Tacoma Dome

Long Description

Description:
This project would complete environmental reviews and preliminary engineering for extending light rail from Kent-Des Moines Road (Highline Community College vicinity) to Tacoma Dome Station to establish the preferred route and expedite construction in a future phase of Sound Transit system development.

Estimated costs reflect an approximately 17-mile segment from Kent-Des Moines Road to Tacoma Dome Station.

Project Elements Included:
• Conduct alternatives screening
• Complete environmental reviews assuming current NEPA/SEPA process requirements, including scoping, draft and final environmental impact statements, and record of decision
• Perform conceptual engineering for DEIS alternatives
• Perform preliminary engineering for the preferred alternative
• Prepare project definition and budget to support a potential future ballot measure to fund final design and construction

Utilities:
• none

Right-of-Way and Property Acquisition:
• none

Mitigation:
• none

Exclusions:
• Any light rail construction

Permits Required:
• none

Agreements Required:
• none

ST has developed scope definitions for ST2 project proposals for the purposes of developing cost estimates, implementation schedules, 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

<table>
<thead>
<tr>
<th>Measure</th>
<th>Measurement/Rating</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Weekday Ridership</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Capital Cost</td>
<td>$72.0 in Millions of 2006$</td>
<td></td>
</tr>
<tr>
<td>Annual Operating Cost</td>
<td>$0.0</td>
<td></td>
</tr>
<tr>
<td>Travel Time &amp; Reliability</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Connectivity &amp; Integration</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Land Use &amp; Development</td>
<td>High</td>
<td></td>
</tr>
<tr>
<td>Customer Experience</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Risk Avoidance</td>
<td>High</td>
<td></td>
</tr>
</tbody>
</table>
Key Issues and Benefits

Issues:
- If the project is performed too far in advance of final design and construction (which would require approval of a future phase ballot proposal) there is a risk that much or all of it would have to be re-done to reflect changed conditions and regulations. This could delay some rights-of-way preservation/acquisition activity performed under other projects. Performing the planning/engineering project later in the ST2 program could minimize this risk.

Benefits:
- Completes necessary environmental and engineering to allow quicker progression to final design and construction in a future phase.
- Preserves opportunity to seek future federal funding for construction.
- Completing this work would strengthen current cost estimates and establish a baseline scope and cost.