

## Sounder: Extension of Platforms at Sounder Stations in South King and Pierce County

<b>Project Number</b>	S110
<b>Subarea</b>	South King
<b>Primary Mode Impacted</b>	Sounder
<b>Facility Type</b>	Station
<b>Version Number</b>	1.0
<b>Date Last Modified</b>	5/27/2008

*Project Locator Map*



### Short Project Description

Extend Sounder station platforms in South King County and Pierce County by approximately one car length. Acquire additional passenger cars.

#### **Project Purpose:**

To provide additional capacity at South King County and Pierce County Sounder stations in order to accommodate longer trains.

### Cost

*In Millions of 2007\$*

	Low	High
Agency Admin	\$1.1	\$1.3
Environmental Clearance and PE	\$1.5	\$1.8
Final Design, Specs, Permitting	\$1.5	\$1.8
ROW Acquisition	\$1.0	\$1.0
Construction	\$12.9	\$14.8
Vehicles	\$24.0	\$24.0
Contingency	\$1.7	\$1.9
<b>Total</b>	<b>\$43.8</b>	<b>\$46.6</b>

*Design Basis*      Conceptual

### Environmental Documentation Required

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

### Relationships to Other Projects

<i>Relationship</i>	<i>Project</i>
Impacted by	Acquisition of added vehicles for expanded Sounder service and extended train lengths.

### Project Partners

City of Kent	
KC Metro	
BNSF	

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## Long Description

*This project scope and accompanying capital cost estimate are intended to include the entire project development cycle (administration, environmental clearance, design, all aspects of property acquisition, construction, testing, commissioning, and contingencies) from project initiation through start-up of operations.*

### **Description:**

Construct extensions of existing Sounder platforms at South King County and Pierce stations as well as potential new commuter rail station in DuPont.

### **Project Elements Included:**

- Extend boarding platforms at existing Sounder stations to accommodate 8-car train lengths.
- Extended platforms identified at Kent, Auburn, Puyallup, Sumner, South Tacoma, and Lakewood.
- Platforms will be extended by up to 85 feet at all stations, where necessary.
- Modifications to allow platform extensions could include signals, sidewalks, relocation of existing platform elements, signage and illumination.
- Existing Sounder platforms will remain open during the construction period and will be protected during construction
- Add up to 12 additional Sounder commuter rail cars to fleet
- Special traffic control to address confined site and working near active railroad
- 1 percent for art per ST policy

### **Utilities:**

- Utility relocation as needed to complete the project

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

- BNSF agreement and possible local jurisdiction agreements for right-of-way use

### **Mitigation:**

- The final project scope will include all mitigation(s) committed to by ST in pertinent, future project-level environmental documents.

### **Exclusions:**

- Tukwila Station and potential future DuPont Sounder station extension of platform lengths to accommodate 8-car train lengths. For inclusion in separate project scopes.
- Additional canopies, shelters, bus bays, bus layover space, or kiss-and-ride spaces
- Non-structural architectural and aesthetic elements in excess of the STart program
- Bike storage, lockers and racks beyond those already provided by ST

**Permits Required:** building, electrical, mechanical, utility, land use, and construction-related, BNSF

**Agreements:** BNSF agreement may be needed to facilitate construction.

*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.*

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### Evaluation Measures

<i>Measure</i>	<i>Measurement/ Rating</i>	<i>Notes</i>
Average Weekday Ridership	N/A	
Capital Cost	\$43.8 - \$46.6	in Millions of 2007\$
Annual Operating Cost		
Travel Time & Reliability	High	
Connectivity & Integration	High	
Land Use & Development	High	
Customer Experience	High	
Risk Avoidance	Medium	

### Key Issues and Benefits

**Issues:**

- The traffic modifications will add costs to the project and present a level of uncertainty as to the project's implementation, including added risks and potential schedule delay.

**Benefits:**

- Platform extensions would support added capacity for Sounder service.