

RESOLUTION NO. R2010-12
Authorize New Project and Funding for DSTT South Access Security Project

MEETING:	DATE:	TYPE OF ACTION:	STAFF CONTACT:	PHONE:
Capital Committee	07/15/10	Recommendation to Board	Ahmad Fazel, DECM Executive Director	206-398-5389
Board	07/22/10	Final Action	Don Davis, Deputy Executive Director	206-370-5508

PROPOSED ACTION

(1) Creates a new capital project, the Downtown Seattle Transit Tunnel (DSTT) South Access Security project and (2) amends the Adopted 2010 Budget to (a) establish the lifetime budget for the DSTT South Access Security project of \$1,000,000; (b) establish an Annual 2010 Budget for the DSTT South Access Security project of \$600,000; (c) revise the lifetime budget for the Central Link Switch Heater project to \$2,452,530 and (d) revise the Central Link Switch Heater project Annual 2010 Budget to \$1,815,801.

KEY FEATURES

- This action establishes the Downtown Seattle Transit Tunnel (DSTT) South Access Security project, a Gate 1 activity under the Phase Gate process. This new project would design and construct barriers and other deterrents, modify train detection circuits, and channel traffic to prevent unauthorized vehicles from gaining access to the south entrance of the DSTT.
- This action also establishes a baseline budget for the project of \$1,000,000 and a baselined schedule completion of first quarter 2011. Due to the limited scope, size and duration of this project, staff recommends an accelerated Phase Gate process for this project, which would also baseline the project.
- This action amends the 2010 Adopted Budget and funds the project through the following:
 - A \$200,000 addition which will be funded by Department of Homeland Security Transit Security Grant Program funds awarded to Sound Transit in 2009 to provide security measures at critical regional transit terminals and facilities. These funds have not yet been programmed to fund other activities. These grant funds were not included in the 2010 Adopted Budget.
 - A transfer of funds from the Central Link Switch Heaters project in the amount of \$800,000. This project is fully committed and is essentially complete. Estimated final cost at completion for this project leaves an uncommitted savings in excess of \$800,000. The total approved budget for the Switch Heaters project would be reduced from \$3,252,530 to \$2,452,530.
- Upon approval by the Board, staff and consultants will complete design documents for the security measures to be implemented under this project. Competitive bids for construction of the improvements will then be obtained and a construction contract will be awarded to the lowest responsive and responsible bidder. Work on the train detection and signaling systems will likely be performed by General Electric Transportation Systems (GETS), through a change order to their existing contract for this type of work. Construction of the necessary improvements will be scheduled to minimize disruption of Link light rail service. Construction management will be performed by Sound Transit staff.

PROJECT DESCRIPTION

The DSTT South Access Security project adds several physical features between the Link Stadium Station and the entrance to the DSTT. At Royal Brougham Way, cast-in-place concrete barriers will be installed to create a median that will channel traffic and limit vehicular turning movements from Royal Brougham Way and the E-3 busway into the tunnel entrance. On the north side of Royal Brougham Way, a number of bollards will be installed on the sidewalk and cast-in-place concrete barriers will be placed between the northbound and southbound tracks to further inhibit vehicular traffic. Pre-cast concrete barriers will also be

placed parallel to the tracks to minimize the available surface area available for tunnel access. Train detection and signaling devices that activate pop-up barriers at the entrance tunnel will be modified to improve the timing for the activation of the barriers. Provisions for additional gates will be implemented to block vehicular traffic when the pop-up barriers are not in service.

FISCAL INFORMATION

Budget Tables

(Year of Expenditure \$000)

DSTT South Access Security Project

Phase	2010 Annual Budget			Lifetime Budget		
	Adopted 2010 Project Budget (A)	Budget Transfer (B)	Revised Project Budget (C)	Adopted 2010 Project Budget (D)	Budget Transfer (E)	Revised Project Budget (F)
Agency Administration	\$ -	\$ 100	\$ 100	\$ -	\$ 200	\$ 200
Preliminary Engr / Environmental Review	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Final Design / Specifications	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction Services	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Third Party	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ 500	\$ 500	\$ -	\$ 800	\$ 800
Vehicles	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ROW Acquisition and Permits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Testing and Start-up	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ -	\$ 600	\$ 600	\$ -	\$ 1,000	\$ 1,000

Central Link Switch Heaters

Phase	2010 Annual Budget			Lifetime Budget		
	Adopted 2010 Project Budget (A)	Budget Transfer (B)	Revised Project Budget (C)	Adopted 2010 Project Budget (D)	Budget Transfer (E)	Revised Project Budget (F)
Agency Administration	\$ 120	\$ (77)	\$ 43	\$ 120	\$ (77)	\$ 43
Preliminary Engr / Environmental Review	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Final Design / Specifications	\$ 361	\$ (361)	\$ -	\$ 361	\$ (361)	\$ -
Construction Services	\$ 241	\$ (241)	\$ -	\$ 241	\$ (241)	\$ -
Third Party	\$ 120	\$ (120)	\$ -	\$ 120	\$ (120)	\$ -
Construction	\$ 1,773	\$ -	\$ 1,773	\$ 2,409	\$ -	\$ 2,409
Vehicles	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ROW Acquisition and Permits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Testing and Start-up	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 2,616	\$ (800)	\$ 1,816	\$ 3,253	\$ (800)	\$ 2,453

SMALL BUSINESS PARTICIPATION

Not applicable to this action.

APPRENTICE UTILIZATION COMMITMENT

Not applicable to this action.

EQUAL EMPLOYMENT WORKFORCE PROFILE

Not applicable to this action.

BACKGROUND

Since the start of Link light rail operations, Sound Transit has engaged in continuous security reviews of the facilities and systems in conjunction with King County Metro and with participation and advice of the Department of Homeland Security. These reviews included a vulnerability assessment of facilities, including the DSTT and access routes to the tunnel. One item that was noted as a concern is the potential for unauthorized vehicles to gain access to the tunnel from Royal Brougham Way, the E-3 busway or the light rail trackway just south of the tunnel. It was recommended by security experts that additional physical deterrents be installed along access paths to the tunnel to preclude unauthorized vehicular traffic.

Sound Transit engineers worked with security personnel to develop a conceptual design for a series of barriers and devices that would significantly reduce the potential for unauthorized vehicular access to the tunnel. In order to proceed with implementation of these security measures, the design documents must be finalized, bid documents prepared, and a construction contract awarded. For the train detection and signaling work, a contract change order must be negotiated and executed. Design, procurement and construction of the security measures is expected to cost approximately \$1,000,000 and will be completed in approximately nine months. Much of the work must be done on limited hours in order to minimize impacts on light rail and bus service.

Since this work was not anticipated as part of the Initial Segment construction, a new project must be created and funded in order to perform the work. Two sources have been identified to fund the \$1,000,000 budget to complete this work:

1. The budget for the Central Link Switch Heaters project was established by an amendment to the Adopted 2009 Budget with a lifetime capital budget of \$3,252,530. Installation of the switch heaters is essentially complete and the estimated final cost at completion is projected not to exceed \$2.4M. This leaves a projected surplus of over \$800,000 in the Switch Heaters Project budget. This action would authorize transfer of this \$800,000 surplus to the new DSTT South Access Security Project.
2. In 2009 Sound Transit received \$829,280 in Department of Homeland Security Transit Security grant funds to upgrade and expand surveillance and monitoring capability and provide additional security measures at critical regional transit terminals and facilities. Sound Transit will use approximately \$200,000 of these funds for this DSTT South Access Security Project. These funds are available until May 2012.

ENVIRONMENTAL COMPLIANCE

Jl 7/2/2010

TIME CONSTRAINTS

A delay of this action will delay installation of the DSTT security measures and result in continued expenditures for police attendance at the south entrance to the tunnel.

PUBLIC INVOLVEMENT

Not applicable to this action.

LEGAL REVIEW

LA 7/9/10

RESOLUTION NO. R2010-12

A RESOLUTION of the Board of the Central Puget Sound Regional Transit Authority (1) creating a new capital project, the Downtown Seattle Transit Tunnel (DSTT) South Access Security project and (2) amending the Adopted 2010 Budget to (a) establish the lifetime budget for the DSTT South Access Security project of \$1,000,000; (b) establish an Annual 2010 Budget for the DSTT South Access Security project of \$600,000; (c) revise the Central Link Switch Heater project lifetime budget to \$2,452,530 and (d) revise the Central Link Switch Heater project Annual 2010 Budget to \$1,815,801.

WHEREAS, the Central Puget Sound Regional Transit Authority, commonly known as Sound Transit, was formed under RCW Chapters 81.104 and 81.112 for the Pierce, King, and Snohomish Counties region by action of their respective county councils pursuant to RCW 81.112.030; and

WHEREAS, Sound Transit is authorized to plan, construct, and permanently operate a high-capacity system of transportation infrastructure and services to meet regional public transportation needs in the Central Puget Sound region; and

WHEREAS, in general elections held within the Central Puget Sound Regional Transit Authority district on November 5, 1996 and November 8, 2008, voters approved local funding to implement a regional high-capacity transportation system for the Central Puget Sound region; and

WHEREAS, by Resolution No. R2009-23, the Sound Transit Board adopted the 2010 budget on December 10, 2009; and

WHEREAS, Sound Transit has engaged in continuous security reviews of the facilities and systems; and

WHEREAS, these reviews included a vulnerability assessment of facilities, including the DSTT and access routes to the tunnel; and

WHEREAS, one item that was noted as a concern is the potential for unauthorized vehicles to gain access to the tunnel from Royal Brougham Way, the E-3 busway or the light rail trackway just south of the tunnel; and

WHEREAS, Sound Transit engineers worked with security personnel to develop a conceptual design for a series of barriers and devices that would significantly reduce the potential for unauthorized vehicular access to the tunnel; and

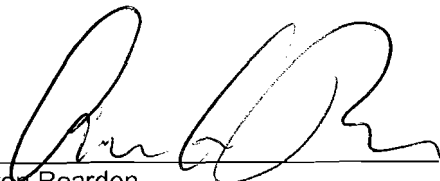
WHEREAS, this budget amendment is consistent with and affordable under Board-adopted Sound Transit financial policies; and

WHEREAS, a two-thirds affirmative vote of the entire membership of the Sound Transit Board is required to amend the Adopted 2010 Annual Budget.

NOW, THEREFORE, BE IT RESOLVED by the Board of the Central Puget Sound Regional Transit Authority that:

- 1) The DSTT South Access Security project is created; and
- 2) The Adopted 2010 Budget is amended to (a) establish the lifetime budget for the DSTT South Access Security project of \$1,000,000; (b) establish an Annual 2010 Budget for the DSTT South Access Security project of \$600,000; (c) revise the Central Link Switch Heater project lifetime budget to \$2,452,530 and (d) revise the Central Link Switch Heater project Annual 2010 Budget to \$1,815,801.

ADOPTED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on July 22, 2010.



Aaron Reardon
Board Chair

ATTEST:



Marcia Walker
Board Administrator