

**SOUND TRANSIT
STAFF REPORT**

MOTION NO. M2005-98

**Contract Amendment for Design Services for Reservation to
Freighthouse Square Embankment Remediation**

Meeting:	Date:	Type of Action:	Staff Contact:	Phone:
Finance Committee	10/06/05	Discussion/Possible Action	Agnes Govern, Director, Capital Projects Jim Edwards, Deputy Director, Capital Projects	(206) 398-5037 (206) 398-5436

Contract/Agreement Type:	<input checked="" type="checkbox"/>	Requested Action:	<input checked="" type="checkbox"/>
Competitive Procurement	<input checked="" type="checkbox"/>	Execute New Contract/Agreement	
Sole Source		Amend Existing Contract/Agreement	<input checked="" type="checkbox"/>
Agreement with Other Jurisdiction(s)		Budget Amendment	

PROJECT NAME

Reservation to Freighthouse Square

PROPOSED ACTION

Authorizes the Chief Executive Officer to execute a contract amendment with David Evans and Associates, Inc. for design services for Reservation to Freighthouse Square Embankment Remediation in the amount of \$206,254, with a 20% contingency of \$41,251, for a new total authorized contract amount not to exceed \$2,226,623.

KEY FEATURES of PROPOSED ACTION

- The proposed action requires work which provides remediation of the structural earth wall embankment necessary to address settlement and design life expectancy of the track and embankment. It includes preparation of plans, contract specifications, and cost estimates for construction.
- This work will provide long term protection for the embankment and reduce the monitoring and maintenance requirements for the wall.
- The proposed action provides design services including final design.

BUDGET and FINANCIAL PLAN DISCUSSION

Sound Transit has received funding to perform the design and construction of the retaining wall and is holding the funds in a claims account. Funding for this contract amendment will come from the claims account. Expenditures stemming from this contract amendment will be charged to the claims account.

M/W/DBE – SMALL BUSINESS PARTICIPATION

Prime Consultant/Contractor

David Evans and Associates, Inc. is the prime consultant for this project.

Utilization Breakdown Table

Subconsultant	Business Type	% of Work	Dollar Value
Civiltech Corp.	MWBE	24%	\$50,769
Total		24%	\$50,769

EEO Commitment

David Evans and Associates, Inc. workforce demographics are 31.7% women and 12.1% minorities.

Apprentice Utilization

Not applicable to this action.

PROJECT DESCRIPTION and BACKGROUND for PROPOSED ACTION

Sounder revenue service started on the Reservation to Freighthouse Square segment in September 2003. Service was halted in January 2004 pending remediation of a portion of an embankment that experienced excessive settlement. Stage 1 of the remediation was completed in May 2004 and the track system was monitored. In June 2004, it was determined that further remediation work to stabilize the embankment was necessary. The work was performed in July 2004 and Sounder service was restored in August 2004. In January 2005, concrete wing walls were added to reinforce the embankment at the Bay Street Underpass abutments.

Sound Transit continues to perform monthly monitoring and surveying of the embankment. Its consultants have evaluated the embankment and recommended that a retaining wall be constructed along the portions of the wall that have experienced the most settlement.

David Evans and Associates, Inc. will design the retaining wall and Sound Transit's independent technical experts will review the remediation design and monitor the embankment until the remediation work is completed. It is anticipated that this third phase of remediation work will be constructed between March and September of 2006.

Sound Transit requires additional engineering services for the design of a supplemental structural wall system that supports the existing geo-synthetic structural reinforcing system within the earth embankment. The supplemental wall system will be designed so that Sounder operations will experience minimal disruption during the construction period.

Prior Board/Committee Actions on this Project and Relevant Board Policies

Motion Number	Summary of Action	Date of Action
M2005-02	Executed a contract amendment with HNTB Corporation to continue to provide additional independent engineering services for geotechnical monitoring for the earth fill embankment and track bed structure between Reservation and Freighthouse Square.	1/13/05
M2004-41	Executed a contract amendment with HNTB Corp for additional independent engineering services for Sounder Commuter Rail's Reservation Junction to Freighthouse Square embankment and track bed structure.	4/15/04
M2004-40	Executed a contract amendment with Stacy and Witbeck, Inc. for remediation of the embankment for the Reservation to Freighthouse Square track connection.	4/15/04
M2004-36	Executed a contract with HNTB Corporation to continue to provide additional independent engineering services for the Reservation to Freighthouse Square retained earth fill embankment and track bed structure.	4/8/04
M2003-93	Executed a contract amendment with David Evans and Associates, Inc. to increase authorized contingency for increased construction and design support services for the Reservation to Freighthouse Square track improvements.	9/4/03
M2003-49	Executed a contract amendment with David Evans and Associates, Inc. to provide construction support services for the Reservation to Freighthouse Square track improvements.	5/1/03
M2002-14	Executed a contract amendment with David Evans and Associates, Inc for final design services for the Reservation to Freighthouse Square track improvements.	2/21/02
M2000-13	Executed a contract amendment with David Evans and Associates, Inc. for design and construction support services for the Reservation to Freighthouse Square track improvements.	2/17/00

CONSEQUENCES of DELAY

This action is requested so that remediation of the structural earth wall embankment can be provided. Staff desires to pursue this remediation as quickly as possible in order to supplement the wall stability and provide for the track facility to enter into normal maintenance.

ENVIRONMENTAL COMPLIANCE

Not applicable to this action.

PUBLIC INVOLVEMENT

Not applicable for this action.

LEGAL REVIEW

JW 09/09/2005

SOUND TRANSIT

MOTION NO. M2005-98

A motion of the Finance Committee of the Central Puget Sound Regional Transit Authority authorizing the Chief Executive Officer to execute a contract amendment with David Evans and Associates, Inc. for design services for Reservation to Freighthouse Square Embankment Remediation in the amount of \$206,254, with a 20% contingency of \$41,251, for a new total authorized contract amount not to exceed \$2,226,623.

Background:

Sounder revenue service started on the Reservation to Freighthouse Square segment in September 2003. Service was halted in January 2004 pending remediation of a portion of an embankment that experienced excessive settlement. Stage 1 of the remediation was completed in May 2004 and the track system was monitored. In June 2004, it was determined that further remediation work to stabilize the embankment was necessary. The work was performed in July 2004 and Sounder service was restored in August 2004. In January 2005, concrete wing walls were added to reinforce the embankment at the Bay Street Underpass abutments.

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David Evans and Associates, Inc. will design the retaining wall and Sound Transit's independent technical experts will review the remediation design and monitor the embankment until the remediation work is completed. It is anticipated that this third phase of remediation work will be constructed between March and September of 2006.

Sound Transit requires additional engineering services for the design of a supplemental structural wall system that supports the existing geo-synthetic structural reinforcing system within the earth embankment. The supplemental wall system will be designed so that train operations will experience minimal disruption during the construction period.

Motion:


It is hereby moved by the Finance Committee of the Central Puget Sound Regional Transit Authority that the Chief Executive Officer is authorized to execute a contract amendment with David Evans and Associates, Inc. in the amount of \$206,254 with a 20% contingency of \$41,251, for a new total authorized contract amount not to exceed \$2,226,623.

APPROVED by the Finance Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on October 6, 2005.



Jack Crawford
Finance Committee Chair

ATTEST:



Marcia Walker
Board Administrator