

**SOUND TRANSIT
STAFF REPORT**

MOTION NO. M2006-81

**Contract Amendment for Design Support Services During Construction of
Reservation Junction to Freighthouse Square Phase 3 Remediation**

Meeting:	Date:	Type of Action:	Staff Contact:	Phone:
Finance Committee	11/16/06	Discussion/Possible Action	Jim Edwards, Acting Director, Capital Projects Eric Beckman, Program Manager, Val Batey, Project Manager	(206) 398-5436 (206) 398-5251 (206) 398-5117

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

PROJECT NAME

Reservation Junction to Freighthouse Square

PROPOSED ACTION

Authorizes the chief executive officer to execute a contract amendment with David Evans and Associates, Inc. to provide design support services during construction for the Reservation Junction to Freighthouse Square Phase 3 Remediation project in the amount of \$63,136, with a 10% contingency of \$6,313 totaling \$69,449, for a new total authorized contract amount not to exceed \$2,265,091 and to extend the contract period to December 31, 2007.

KEY FEATURES of PROPOSED ACTION

- The Reservation Junction to Freighthouse Square Connection Remediation Phase 3 project includes reinforced concrete retaining walls supported on drilled shaft foundations, placed on either side of the existing embankment supporting the track located on the Reservation Junction to Freighthouse Square connector, east of the Bay Street tunnel at Bay Street and Portland Avenue in Tacoma.
- David Evans and Associates, Inc. is the engineer of record for the design of the remediation and will provide design support during the construction phase under this contract amendment.

- The contract defines a scope of work, including review of shop drawings and submittals for conformance to specifications, response to contractor-generated requests for information, attendance at construction meetings and field meetings as requested, field observation of subsurface work including drilled shaft installation, pile installation, wall foundation installation, void consolidation and shoring for storm drain trench. David Evans and Associates, Inc. will provide field observation reports and technical support as requested to address differing subsurface conditions as encountered.
- This action will also extend the contract period to December 31, 2007. The Notice to Proceed for construction is scheduled to be issued in January 2007. Construction is expected to take approximately 6 months. The previous contract amendment for design services extended this contract through December 31, 2006 under the assumption that construction would be complete in 2006.

BUDGET IMPACT SUMMARY

There is no action outside of the Board-adopted budget; there are no contingency funds required, no subarea impacts, or funding required from other parties other than what is already assumed in the financial plan.

BUDGET AND FINANCIAL PLAN DISCUSSION

The Board-adopted budget for this project is \$19,889,152 with a construction phase budget of \$16,450,115. The proposed action is to execute a contract amendment with David Evans and Associates, Inc. to provide design support during construction in the amount of \$69,432. This action will leave a remaining construction phase balance of \$1,688,117 and a project balance of \$2,651,306.

There are sufficient funds to complete this action. Committing these funds will not endanger any other project elements that are to be funded out of the overall project budget.

BUDGET TABLE

Summary for Board Action (Year of Expenditure \$000)

Project 247 - Reservation-Freighthouse

	2006 Board Adopted Budget ⁽¹⁾ (A)	Committed To Date ⁽²⁾ (B)	This Action (C)	Total Committed & Action (D)	Uncommitted (Shortfall) (E)
1 Agency Administration	\$ 1,234	\$ 1,234	\$ -	\$ 1,234	\$ -
2 Preliminary Engineering	\$ 201	\$ 201	-	\$ 201	(0)
3 Final Design	\$ 1,313	\$ 1,040	-	\$ 1,040	273
4 Right of Way	\$ -	\$ 1	-	\$ 1	(1)
5 Construction	\$ 16,450	\$ 14,693	69	\$ 14,762	1,688
7 Contingency	\$ 691	\$ -	-	\$ -	691
8 Total Current Budget	\$ 19,889	\$ 17,168	\$ 69	\$ 17,238	\$ 2,651
Phase Budget Detail					
11 Construction	\$ 16,450	\$ 14,693	\$ 69	\$ 14,762	\$ 1,688
12 Total Phase	\$ 16,450	\$ 14,693	\$ 69	\$ 14,762	\$ 1,688

Contract Budget	Current Approved Contract Value (F)	Spent to Date (G)	Proposed Action - Construction (H)	Proposed Total Contract Value (I)
13 David Evans & Associates, Inc.	\$ 2,003	\$ 1,995	\$ 63	\$ 2,066
14 Contingency	192	161	6	\$ 199
15 Total	2,196	2,156	69	\$ 2,265
16 Percent Contingency	10%	8%	10%	10%

Notes:

(1) Project budget is located on page 109 of the Adopted 2006 Budget book. Amounts shown reflect the combined Reservation-Freighthouse budget for South King and Pierce subareas. 2006 budget was amended by R2006-11.

(2) Committed to-date amount includes actual outlays and commitments for the Reservation-Freighthouse project in South King and Pierce subareas combined, through October 17, 2006.

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.	M/WBE	27%	\$28,624
Total		27%	\$28,624

EEO Commitment

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

PROJECT DESCRIPTION and BACKGROUND for PROPOSED ACTION

In the summer of 2003, Sound Transit constructed an embankment near Bay Street and Portland Avenue for the track connection from Reservation Junction on the BNSF line to Tacoma Dome Station at Freighthouse Square. After construction, a portion of the embankment settled beyond original estimates and has required remedial construction work. In May 2004, closely-spaced, reinforced concrete auger-cast piles were installed along the embankment to improve the soil foundation (Phase 1). In January 2005, reinforced concrete wing walls were added at the Bay Street underpass abutments and cracked embankment wall panels were repaired (Phase 2). Because excessive differential settlement has occurred below the embankment and the embankment is expected to continue to settle over the next few years, a supplemental embankment retaining system will be provided in the current phase of construction (Phase 3). URS Corporation will provide the construction management services for this contract.

Phase 3 remediation for the Reservation Junction to Freighthouse Square embankment will consist of reinforced concrete retaining walls supported on drilled shaft foundations. These walls will be placed on either side of the existing embankment supporting tracks located on the Reservation Junction to Freighthouse Square connector, east of the Bay Street tunnel at Bay Street and Portland Avenue. This is a supplemental wall system and will be constructed without the removal of the existing embankment. In addition, the supplemental wall system will be constructed so that train operations will experience minimal disruption during the construction period.

Sound Transit received environmental clearance and approval from the Federal Transit Administration (FTA) in a letter dated August 24, 2006 to undertake the Phase 3 remediation work. Based on information provided by Sound Transit, FTA determined that no significant impacts will occur from the work, and there will be no effect on listed species under the Endangered Species Act due to the remediation.

Prior Board/Committee Actions on this Project

Motion/Resolution Number and Date	Summary of Action
M2006-76 11/2/06	Authorized the Chief Executive Officer to execute a contract with CA Carey Corporation to provide for construction of the Reservation Junction to Freighthouse Square Phase 3 Remediation project in the amount of \$2,959,979, with a 10% contingency of \$295,998, for a total authorized contract amount not to exceed \$3,255,977.
R2006-11 6/8/2006	Amending the Adopted 2006 Budget for the Reservation-Freighthouse Project from \$16,802,131 to \$19,889,152 to reflect a budget transfer from the South King County Program Reserve and Pierce County Program Reserve in the amount of \$1,952,379 and from the Seattle-Auburn Track & Signal and Auburn-Tacoma Track & Signal projects in the amount of \$1,134,642.
M2006-29 4/6/06	Authorized the Chief Executive Officer to execute a contract with URS Corporation to provide construction management services for Reservation Junction to Freighthouse Square Phase 3 Remediation in the amount of \$190,000 with a 10% contingency of \$19,000, for a total authorized contract amount not to exceed \$209,000.
M2006-11 1/26/06	Authorized the Chief Executive Officer to execute a contract amendment to the existing sole source contract with HNTB Corporation to provide independent technical review services for the remediation project and continued monitoring of the earth fill embankment and track bed structure, and continued inspection of the track on the connection between Reservation Junction and Freighthouse Square, in the amount of \$269,649, with a 10% contingency of \$26,965, for a new total authorized contract amount not to exceed \$1,110,459.
M2005-98 10/6/05	Authorized the Chief Executive Officer to execute a contract amendment with David Evans and Associates, Inc. for design services for Reservation Junction to Freighthouse Square 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.
M2004-40 4/15/04	Authorized the Chief Executive Officer to execute a contract amendment with Stacy and Witbeck, Inc., to fund Phase 1 repairs to stabilize the earth fill embankment structure and Lock & Load wall system at the Reservation Junction to Freighthouse Square commuter rail track project in the amount of \$780,000, with a contingency of \$87,680, for a new total authorized amount not to exceed \$9,857,000, and to extend the term of the contract to September 30, 2004.

CONSEQUENCES of DELAY

A significant delay will jeopardize the final phase of remediation needed to provide embankment stability.

PUBLIC INVOLVEMENT

Not applicable to this action.

ENVIRONMENTAL COMPLIANCE

SSK 10/25/06

LEGAL REVIEW

JW 11/7/06

SOUND TRANSIT

MOTION NO. M2006-81

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. to provide design support services during construction for the Reservation Junction to Freighthouse Square Phase 3 Remediation project in the amount of \$63,136, with a 10% contingency of \$6,313 totaling \$69,449, for a new total authorized contract amount not to exceed \$2,265,091, and to extend the contract period to December 31, 2007.

Background:

In the summer of 2003, Sound Transit constructed an embankment near Bay Street and Portland Avenue for the track connection from Reservation Junction on the BNSF line to Tacoma Dome Station at Freighthouse Square. After construction, a portion of the embankment settled beyond original estimates and has required remedial construction work. In May 2004, closely-spaced, reinforced concrete auger-cast piles were installed along the embankment to improve the soil foundation (Phase 1). In January 2005, reinforced concrete wing walls were added at the Bay Street underpass abutments and cracked embankment wall panels were repaired (Phase 2). Because excessive differential settlement has occurred below the embankment and the embankment is expected to continue to settle over the next few years, a supplemental embankment retaining system will be provided in the current phase of construction (Phase 3). URS Corporation will provide the construction management services for this contract.

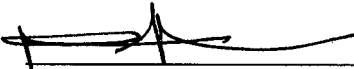
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Motion:

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. to provide design support services during construction for the Reservation Junction to Freighthouse Square Phase 3 Remediation project in the amount of \$63,136, with a 10% contingency of \$6,313 totaling \$69,449, for a new total authorized contract amount not to exceed \$2,265,091, and to extend the contract period to December 31, 2007.

APPROVED by the Finance Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on November 16, 2006.



Fred Butler
Finance Committee Chair

ATTEST:



Margia Walker
Board Administrator