

**SOUND TRANSIT
STAFF REPORT**

MOTION NO. M2006-76

**Construction Contract with CA Carey Corporation for Reservation
Junction to Freighthouse Square Phase 3 Remediation**

Meeting:	Date:	Type of Action:	Staff Contact:	Phone:
Finance Committee	11/2/06	Discussion/Possible Action	Jim Edwards, Acting Director, Capital Projects Christine Engler, Construction Manager Jerry Dahl, Construction Project Manager	(206) 398-5436 (206) 398-5056 (206) 398-5284

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

PROJECT NAME

Reservation-Freighthouse Square Phase 3 Remediation

PROPOSED ACTION

Authorizes 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.

KEY FEATURES OF PROPOSED ACTION

- The construction contract defines a scope of work for reinforced concrete retaining walls supported on drilled shaft foundations, placed on either side of the existing embankment supporting track located on the Reservation Junction to Freighthouse Square connector, east of the Bay Street tunnel at Bay Street and Portland Avenue.
- Construction is projected to begin first quarter 2007 and last approximately three months.
- Three contractors submitted bids. All bids exceed the Engineer's Estimate of \$2,611,633. Two of the three bids are clustered, which provides an indication that the plans and specifications were of sufficient quality that a consistent estimating strategy could be developed by multiple contractors. The low bid is about 13% higher than the engineer's estimate, but the low bid plus a 10% contingency is within the current available budget.

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 construction contract for Phase 3 remediation in the amount of \$3,255,977. This action will leave a remaining construction phase balance of \$1,757,550 and a project balance of \$2,720,738.

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 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	\$ 11,437	3,256	\$ 14,693	1,758
7 Contingency	\$ 691	\$ -	-	\$ -	691
8 Total Current Budget	\$ 19,889	\$ 13,912	\$ 3,256	\$ 17,168	\$ 2,721

Phase Budget Detail

11 Construction	\$ 16,450	\$ 11,437	\$ 3,256	\$ 14,693	\$ 1,758
12 Total Phase	\$ 16,450	\$ 11,437	\$ 3,256	\$ 14,693	\$ 1,758

Contract Budget	Current Approved Contract Value (F)	Spent to Date (G)	Proposed Action - Construction (H)	Proposed Total Contract Value (I)
13 Construction Contract	\$ -	\$ -	\$ 2,960	\$ 2,960
14 Contingency	-	-	296	\$ 296
15 Total	-	-	3,256	\$ 3,256
16 Percent Contingency	0%		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 Contractor

A 7% Small Business Utilization goal was established for this contract. CA Carey Corporation is the prime contractor and is a small business. CA Carey will perform a minimum of 40% of the work for this contract and is committed to seeking additional small business participation.

EEO Commitment

CA Carey Corporation workforce demographics are 22.73% women and 11% minorities.

Apprentice Utilization Commitment

CA Carey Corporation is committed to hiring apprentices for 20% of all labor hours.

PROJECT DESCRIPTION and BACKGROUND for PROPOSED ACTION

In the summer of 2003, an embankment near Bay Street and Portland Avenue was constructed 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 because 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 FTA (letter of 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 (ESA) due to the remediation.

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

Motion Number and Date	Summary of Action
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.

ENVIRONMENTAL COMPLIANCE

SK 10/16/06

PUBLIC INVOLVEMENT

Not applicable for this action.

LEGAL REVIEW

JW 10/30/06

SOUND TRANSIT

MOTION NO. M2006-76

A motion of the Finance Committee of the Central Puget Sound Regional Transit Authority authorizing 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.

Background:

In the summer of 2003, an embankment near Bay Street and Portland Avenue was constructed 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 because 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.

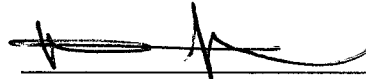
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Motion:

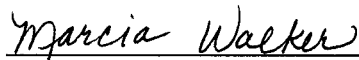
It is hereby moved by the Finance Committee of the Central Puget Sound Regional Transit Authority that the Chief Executive Officer is authorized to execute a contract with CA Carey Corporation to provide for construction of the Reservation Junction to Freighthouse Square Phase 3 Remediation project in 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.

APPROVED by the Finance Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on November 2, 2006.



Fred Butler
Finance Committee Chair

ATTEST:



Marcia Walker
Board Administrator