

**SOUND TRANSIT
STAFF REPORT**

MOTION NO. M2005-133

Geotechnical Services Contract Amendment

Meeting:	Date:	Type of Action:	Staff Contact:	Phone:
Finance Committee	12/15/05	Discussion/Possible Action	Ahmad Fazel, Link Director Joe Gildner, Deputy Director for Link Light Rail Technical Services Henry Cody, Deputy Construction Manager	(206) 398-5389 (206) 689-3350 (206) 398-5377

Contract/Agreement Type:	✓	Requested Action:	✓
Competitive Procurement	✓	Execute New Contract/Agreement	
Sole Source		Amend Existing Contract/Agreement	✓
Memorandum of Agreement		Contingency Funds Required	✓
Purchase/Sale Agreement		Budget Amendment Required	

✓Applicable to proposed transaction.

PROJECT NAME

Central Link Light Rail Initial Segment

PROPOSED ACTION

Authorizes the Chief Executive Officer to execute a contract amendment with AMEC Earth and Environmental, Inc. to provide special inspection services for the Central Link Light Rail Initial Segment, Boeing Access Road to South 154th Street, in the amount of \$298,772, plus a contingency of \$45,228, for a new total authorized contract amount not to exceed \$3,165,170.

KEY FEATURES of PROPOSED ACTION

Original contract:

- Provided geotechnical design and construction management engineering services for Central Link Light Rail Initial Segment, Boeing Access Road to South 154th Street.

This contract amendment:

- Provides special geotechnical inspections as required by City of Tukwila building permit conditions. These inspections are required on deep shafts, retaining walls, soil nail walls, structural fills, mechanically stabilized earth (MSE) retained fills, and pile installations.

BUDGET IMPACT SUMMARY

Current Project Phase: Construction
Projected Completion Date: 2009

Action Outside of Adopted Budget:	✓	Comments on Checked Items
This Project		
This Phase		
This Task	✓	Requires funding from surplus budget and unallocated contingency within the Construction Services phase
Budget Amendment Required		

Key Financial Indicators:	✓	Comments on Checked Items
Contingency Funds Required		
Funding required from other parties (other than what is in financial plan)		

Not checked = action is assumed in current Board-adopted budget. No budget action or adjustment to financial plan required.

BUDGET and FINANCIAL PLAN DISCUSSION

The proposed action would authorize amendment of the contract with AMEC Earth and Environmental, Inc. to provide special inspection services for the Central Link Light Rail Initial Segment, Boeing Access Road to South 154th Street, in the amount of \$344,000, for a new total authorized contract amount not to exceed \$3,165,170.

The total adopted capital budget for the Initial Segment is \$2.07 billion. Within that budget, \$350,000 has been set aside for the Geotechnical Package 4 (C755 Tukwila) in the construction services phase. Since that budget has been committed, approval of the proposed action would result in a budget shortfall of \$344,000 for this budget line item - the full amount proposed. Should the proposed action be approved, \$200,000 of the additional budget for these C755 geotechnical services would be funded from the surplus budget, and \$144,000 would be transferred from unallocated contingency within the construction services phase, leaving a remaining balance of \$2,091,084 in unallocated contingency.

The proposed action is consistent with the current adopted budget and is affordable within the agency's long-term financial plan and subarea financial capacity. The action will have no new revenue impact on Sound Transit.

BUDGET TABLE

Action Item: AMEC Earth & Environmental, Inc. (Provide special inspection services for Segment C755 Boeing Access Rd to S. 154th Street in the Central Link Initial Segment)

(Year of Expenditure \$000)

Initial Segment	Adopted 2006 Budget (A)	Committed To Date (B)	This Action (C)	Total Committed & Action (D)	Uncommitted (Shortfall) (E)
1 Agency Administration	216,780	113,609		113,609	103,171
2 Preliminary Engineering	34,000	33,363		33,363	637
3 Final Design	145,523	140,728		140,728	4,795
4 Right of Way	223,516	182,646		182,646	40,870
5 Construction	1,170,439	1,046,012		1,046,012	124,427
6 Construction Services	86,875	81,932	344	82,276	4,599
7 Third Party Agreements	59,560	56,396		56,396	3,164
8 Vehicles	133,307	131,799		131,799	1,508
9 Total Current Budget	2,070,000	1,786,484	344	1,786,828	283,172

Construction Services Phase Detail

10 Geotech Package 4 (C755 Tukwila)	350	350	344	694	(344)
11 Other construction services	84,290	81,582		81,582	2,708
12 CS unallocated contingency	2,235	-		-	2,235
13 Total Phase	86,875	81,932	344	82,276	4,599

Contract Amount	Board Approvals to Date (F)	Current Approved Contract Value (G)	Proposed Action (H)	Proposed Total for Board Approval (I)	Proposed Contract Value (J)
14 Contract Amount	2,597	2,804	299	2,895	3,103
15 Contingency	225	17	45	270	62
16 Total	2,821	2,821	344	3,165	3,165
17 Percent Contingency	9%	1%	15%	9%	2%

Budget Shortfall

Task Level	\$ (P)	Potential Resources (Q)	Source (R)
18 Geotech Package 4 (Tukwila)	200	200	Surplus budget
19 Geotech Package 4 (Tukwila)	144	144	Unallocated contingency
20 Total Geotech Package 4 (Tukwila)	344	344	Total potential resources within the construction services phase

M/W/DBE – SMALL BUSINESS PARTICIPATION

The initial M/W/DBE and small business commitment for this contract was 30.7%.

To date the overall small business participation is 47.6%, of which M/W/DBE participation is 25.1%.

Because of the highly specialized nature of this work, approximately 3% of the work covered by the change will be performed by small business firms.

With this change order, overall small business participation is projected to achieve 47.5%, including M/W/DBE participation of 25.7%. Even though participation on this change order is relatively small, overall participation will exceed the original contract commitment. Sound Transit staff and AMEC continue to work to increase the small business participation levels for this contract.

Utilization Breakdown Table

This Amendment:

Subconsultant	Business Type	% of Work	Dollar Value
CivilTech Engineering	MBE/DBE	3.35%	\$10,000
Total			\$10,000

Contract to Date:

Subconsultant	Business Type	% of Work	Dollar Value
C. Felice & Company	Small Business (SB)	1.27%	\$39,429.56
CivilTech Engineering	MBE/DBE	4.56%	\$141,408.19
GeoGroup NW	SB	0.13%	\$4,127.65
GN Northern	SB	0.16%	\$5,051.88
JP Singh & Associates	MBE	1.35%	\$41,963.02
Mibor Pita	MBE/DBE	0.32%	\$9,858.59
Pan Geo	SB	16.55%	\$513,708.05
Terra Associates	SB	1.30%	\$40,466.07
Apollo Geophysics	SB	0.31%	\$9,509.18
Bore-Tech	SB	2.38%	\$73,726.72
Cherokee Pacific	MWBE/DBE	16.60%	\$515,273.02
NW Barricade	SB	0.95%	\$29,493.77
Northwest Cone	SB	0.90%	\$28,036.76
Norton Corrosion	SB	0.10%	\$3,200.00
Soil Technology	WB	0.68%	\$20,973.00
Total		47.57%	\$1,476,225.46

EEO Commitment

AMEC's workforce demographics are 36% women and 12% minorities.

Apprentice Utilization Commitment

Not applicable to professional services contracts.

PROJECT DESCRIPTION and BACKGROUND FOR PROPOSED ACTION

AMEC successfully completed the geotechnical design for the Central Link Light Rail Initial Segment and is currently providing design services during construction. During negotiations for the scope of the AMEC contract, it was not anticipated that the City of Tukwila would require Sound Transit to provide special inspections.

This amendment will provide special geotechnical inspections as required by City of Tukwila building permit conditions. These inspections are required on deep shafts, retaining walls, soil nail walls, structural fills, mechanically stabilized earth (MSE) retained fills, and pile installations.

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

Motion or Resolution Number	Summary of Action	Date of Action
M2004-76	Contract amendment with AMEC Earth & Environmental, Inc., to provide geotechnical engineering services during construction for the South Boeing Access Road to South 154th Street line section of the Central Link Light Rail Initial Segment in the amount of \$397,810 with a contingency of \$4,781 for a new total authorized contract amount not to exceed \$2,821,170.	8/5/05
M2002-06	Contract with AMEC Earth & Environmental, Inc. to provide geotechnical investigation and reports for Central Link from South Boeing Access Road to South 154 th Street for a contract amount of \$2,198,708 plus a 10% contingency of \$219,871 for a total authorized contract amount not to exceed \$2,418,579.	2/7/02

CONSEQUENCES OF DELAY

C755 construction operations are underway and are 17% complete. Authorization of this amendment will allow uninterrupted continuation of geotechnical special inspection services. A delay in the authorization of the amendment may impact the progress of the work and may result in construction delay and further additional cost.

PUBLIC INVOLVEMENT

Not applicable to this action.

ENVIRONMENTAL COMPLIANCE

JDI 11/17/05

LEGAL REVIEW

JW 11/22/05

SOUND TRANSIT

MOTION NO. M2005-133

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 AMEC Earth and Environmental, Inc. to provide special inspection services for the Central Link Light Rail Initial Segment, Boeing Access Road to South 154th Street, in the amount of \$298,772, plus a contingency of \$45,228, for a new total authorized contract amount not to exceed \$3,165,170.

Background:


AMEC successfully completed the geotechnical design for the Central Link Light Rail Initial Segment and is currently providing design services during construction. At the time of negotiations for the scope of the AMEC contract it was not anticipated the City of Tukwila would require Sound Transit to provide special inspections.

This amendment will provide special geotechnical inspections as required by City of Tukwila building permit conditions. The special inspections are required on deep shafts, retaining walls, soil nail walls, structural fills, mechanically stabilized earth (MSE) retained fills, and pile installations.

Motion:


It is hereby moved by the Finance Committee of the Central Puget Sound Regional Transit Authority that the Chief Executive Officer is authorized the Chief Executive Officer to execute a contract amendment with AMEC Earth and Environmental, Inc. to provide special inspection services for the Central Link Light Rail Initial Segment, Boeing Access Road to South 154th Street, in the amount of \$298,772, plus a contingency of \$45,228, for a new total authorized contract amount not to exceed \$3,165,170.

APPROVED by the Finance Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on December 15, 2005.



Jack Crawford
Finance Committee Chair

ATTEST:



Marcia Walker
Board Administrator