

**SOUND TRANSIT
STAFF REPORT**

MOTION NO. M2002-06

**Contract with AMEC Earth and Environmental, Inc. for geotechnical investigation from
South Boeing Access Road to South 154th Street**

Meeting:	Date:	Type of Action:	Staff Contact:	Phone:
Finance Committee	1/17/02	Discussion/Possible Action	Isam Awad, Sr. Structural Engineer/ Geotechnical Mgr.	206-689-3399
Finance Committee	2/7/02	Discussion/Possible Action	Ahmad Fazel, Acting Link Director	206-398-5389

OBJECTIVE OF ACTION

- A geotechnical investigation of package #4, which includes the light rail segment from South Boeing Access Road to South 154th Street, is required in order to proceed with the civil and structural design.

ACTION

- Authorize the Executive Director to execute a contract agreement with AMEC Earth & Environmental, Inc. to provide geotechnical investigation and reports for Central Link from South Boeing Access Road to South 154th Street for a contract amount of \$2,198,708 plus a 10% contingency of \$219,871 for a total authorized amount not to exceed \$2,418,579.

KEY FEATURES

- Authorizes the Executive Director to execute a contract with AMEC Earth & Environmental, Inc. to perform geotechnical investigation along the segment of the light rail alignment which extends from South Boeing Access Road to South 154th Street.
- Authorizes a contract amount of \$2,198,708 plus a 10% contingency of \$219,871 for a total amount not to exceed \$2,418,579.
- Includes work scheduled to commence in February 2002 and to continue for 18 months to be completed on July 30, 2003.

BUDGET

On November 29, 2001, the Board adopted Resolution No. R2001-16 that selected the initial segment for the Central Link project. This resolution identified an estimated capital cost for the initial segment of \$2,070,000,000. On December 13, 2001, the Board adopted the 2002 Agency Budget (Resolution No. R2001-17). Within the budget resolution, amendment 9 incorporated this estimated capital cost for the initial segment as the adopted budget.

Within that budget, the activity contemplated within this motion is identified within the preliminary engineering phase. This activity was included within the cost estimate and there are sufficient funds identified for work identified within this motion. The budget for this activity is \$2,750,000. The total amount requested is \$2,418,579, including contingency. This leaves a budget surplus for this activity of \$331,421.

Column A	Column B	Column C	Column D	Column E
Total Project Budget	Budget for this Task (B)	Obligated to Date (C)	Total Amount Requested (D)	Shortfall* or Surplus (B-[C+D])
\$2,070,000,000	\$2,750,000	\$ 0	\$2,418,579	\$331,421

*Amount of Shortfall	Potential Revenues	Funding Sources

FINANCIAL IMPACTS

Impact on Current Year Budget:

This action will have no additional impact on the current year budget beyond that contemplated in the Initial Segment EAC.

Impact on Sound Move Budget:

This action will have no additional impact on the Sound Move budget beyond that contemplated in the Initial Segment EAC.

Impact on Cost-to-Complete:

This action will have no impact to the Cost to Complete.

Impact on Subarea(s) Budget(s):

This action will have no additional impact on the South King Subarea budget beyond that contemplated in the Initial Segment EAC.

HISTORY OF PROJECT

A procurement procedure was carried out in 1999 for the geotechnical investigation work for four Link design packages. Four leading geotechnical consultants were selected for the work, but only two were contracted. Their work covers the tunnel segments and the portion of the light rail from the International District to South Boeing Access Road, including the maintenance base.

Agra Earth & Environmental was selected for Package #4 which covers the five mile segment from South Boeing Access Road to South 154th Street. Since the final design for this segment was delayed when priority was given to the north design/build tunnel, a contractual agreement with Agra was never negotiated or signed. Sound Transit and Agra, however, kept each other informed of the project status, and of changes in personnel. In the meantime, Agra was acquired by AMEC Corporation to become AMEC Earth & Environmental, Inc. No significant change in the firm's technical personnel resulted from the takeover.

On August 31, 2001 Sound Transit requested that AMEC confirm their interest in performing the geotechnical work and if interested, to submit for re-evaluation their organization of the team and the qualifications of their key team members. AMEC's submittal was accepted on October 4, and negotiations on the scope of work, budget and contractual terms commenced.

Sound Transit and AMEC reached an agreement on the scope of work, the contract amount and other contractual issues on December 10, 2001. The contract amount is \$2,198,708, plus a 10% contingency of \$219,871 for a total budget of \$2,418,579. The contract period is 18 months, starting in January 2002 and ending on June 30, 2003. Sound Transit's estimate for the work in this contract is \$2,382,000.

The geotechnical team consists of AMEC as the prime consultant with sixteen sub-consultants representing small business and minority firms. The W/M/DBE participation is 30.7%.

**Prior Board or Committee Actions
and Relevant Board Policies**

Motion or Resolution Number	Summary of Action	Date of Action
Resolution R99-34	Selected the alignment alternatives and profiles, station locations, and vehicle maintenance base site alternative to be built for the Central Link Light Rail line	11-18-99
Motion M2001-103	Identified the preferred initial segment to be constructed and operated for central Link Light Rail.	9-27-01
Resolution R2001-16	Selected the initial segment of the central Link Light Rail Project to be constructed and operated by 2009.	11-29-01

CONSEQUENCES OF DELAY

- Final civil design of design segment 755 (Boeing Access Road to South 154th Street) is scheduled to commence in April 2002, and to be completed in August 2003. Advertisement for construction is scheduled for April 2004. Three miles of this segment are on bridge-type structures.
- The geotechnical investigation and reports are required to proceed with and complete the civil and structural designs. These reports usually follow a three to five months of drilling, data gathering, laboratory testing and engineering analyses. Any delay in the development of this information would impact the schedule for design and construction of the segment . This could impact the overall schedule of Central Link.
- Substantial progress in the final civil design of this segment by October 2002 is required for the successful negotiation of the Full Funding Grant Agreement with the FTA. Delay in developing the geotechnical data will cause delays in the structural design, and will seriously jeopardize this negotiation.

REGIONAL PARTNERSHIP AND COOPERATION

- N/A

PUBLIC INVOLVEMENT

- The work under this contract will include drilling and collecting samples from public areas, city streets and in some private properties. Sound Transit's outreach staff will take the lead in informing the public of the process before work starts. The contractors are under strict control to comply with all traffic and environmental laws and regulations, and protect and restore areas of work to their original condition.

LEGAL REVIEW

JDW 1/7/02

SOUND TRANSIT

MOTION NO. M2002-06

A motion of the Finance Committee of the Central Puget Sound Regional Transit Authority authorizing the Executive Director to execute a contract agreement with AMEC Earth & Environmental, Inc. to provide geotechnical investigation and reports for Central Link from South Boeing Access Road to South 154th 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.

Background:

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Motion:


It is hereby moved by the Finance Committee of the Central Puget Sound Regional Transit Authority that the Executive Director is authorized to execute a contract agreement with AMEC Earth & Environmental, Inc. to provide geotechnical investigation and reports for Central Link from South Boeing Access Road to South 154th 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.

APPROVED by the Finance Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on February 7, 2002.



Kevin Phelps
Finance Committee Chair

ATTEST:



Marcia Walker
Board Administrator