

STAFF REPORT

**SOUND TRANSIT
MOTION NO. M2000-107**

**Contract Amendment with Shannon and Wilson, Inc.
for Additional Geotechnical Engineering Services**

Meeting:	Date:	Type of Action:	Staff Contact:	Phone:
Finance Committee	10/19/00	Discussion/Possible Action to Recommend Board Approval	Paul Bay, Director Bill Houppermans, Chief Engineer	(206)398-5134 (206)398-5125
Board	10/26/00	Discussion/Possible Action	Isam Awad, Sr. Structural Engineer	(206)689-3399

PROPOSED ACTION

Authorizes the Executive Director to execute a contract amendment with Shannon and Wilson, Inc., for additional geotechnical engineering services for the North Corridor tunnels and subway segments of the Central Link Light Rail project. The action establishes a contract amendment amount of \$1,093,250 and a 10% contingency of \$109,325, for a total contract amendment amount not to exceed \$1,202,575, and for a total contract amount not to exceed \$10,581,601.

KEY FEATURES

Highlights of Proposed Action:

- Authorizes the Executive Director to execute a contract amendment with Shannon and Wilson, Inc. for additional geotechnical engineering services for the North Corridor tunnels and subway segments of the Central Link Light Rail project.
- Authorizes a contract amendment amount of \$1,093,250 and a 10% contingency of \$109,325, for a total contract amendment amount not to exceed \$1,202,575, and for a total contract amount not to exceed \$10,581,601.
- Creates a 10% contingency fund for the amendment to conduct additional drilling and studies.
- Extends contract completion date to June 30, 2001.
- Includes DBE participation of 20.2%.

Discussion of Proposed Action:

By Motion No. M99-17, dated March 25, 1999, the Sound Transit Board authorized Contract No. RTA/LR 106-98F with Shannon and Wilson, Inc., for professional geotechnical services for all underground workings for the locally preferred alternative associated with the Central Link Light Rail project. Specifically, the contract provides geotechnical services for the tunnels and subterranean stations in the North Corridor and the tunnels and deep subterranean station in

Beacon Hill. Subsequently, this contract was amended by the Board to add additional work and extend the end date to December 31, 2000.

With work now underway to examine design alternatives in support of the LB 235 design/build contract negotiations, it has become necessary to undertake additional geotechnical borings, analysis, and engineering. This work must be accomplished in order to revise the Geotechnical Baseline Report which will become a basis for the negotiation, award, and administration of the LB 235 design/build contract. This contract amendment will include this additional work and extend the end date to June 30, 2001.

The contract, as previously amended with Shannon and Wilson, Inc., had a total DBE participation rate of 20.9%. With this amendment, the DBE participation will decrease slightly to 20.2%.

BUDGET

Funding for this scope of work is included in Sound Move and in the FY2000 adopted capital budget. The budget for completion of these tasks is identified in Sound Transit's Adopted 2000 Budget under final design (page 124). With the budget developed for the Central Link configuration as adopted by the Board on November 18, 1999, there is sufficient funding to complete the remaining work.

Total Project Budget	Budget for this Task (A)	Expenditures to Date **(B)	Total Amount Requested (C)	Shortfall* or Surplus (A-[B+C])
208,149,000	11,000,000	9,379,026	1,202,575	418,399
*Amount of Shortfall	Potential Revenues	Funding Sources		
N/A	N/A			

**Includes actual expenditures and outstanding commitments (including contract contingencies, as approved by the Board) for geotechnical work through Sept. 1, 2000.

Total contract amount, including this amendment is not to exceed \$10,581,601.

ALTERNATIVES

If the current contract with Shannon and Wilson, Inc. is not amended, a new procurement process will be required to obtain a firm to perform this needed work.

CONSEQUENCES OF DELAY

If the current contract is not amended and the requested geotechnical information is not available, the negotiations and contract documents with the LB 235 design/build contractor will be developed without this additional information. As a result, the candidate design/build contractor will assume the worst case conditions for unknown geotechnical conditions. This would likely result in an increase in the negotiated construction cost.

REGIONAL PARTNERSHIP AND COOPERATION

N/A

PUBLIC INVOLVEMENT

The outreach for this effort has already occurred.

LEGAL REVIEW

MBL 10/6/00

SOUND TRANSIT

MOTION NO. M2000-107

A Motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the Executive Director to execute an amendment to contract RTA/LR 106-98F with Shannon and Wilson, Inc., for geotechnical engineering services of the Central Link Light Rail project. The action extends the contract period to June 30, 2001, and establishes a contract amendment amount of \$1,093,250 and a 10% contingency of \$109,325, for a total contract amendment amount not to exceed \$1,202,575, and for a total contract amount not to exceed \$10,581,601.

Background:

By Motion No. M99-17, dated March 25, 1999, the Sound Transit Board authorized Contract No. RTA/LR 106-98F with Shannon and Wilson, Inc., for professional geotechnical services for all underground workings for the locally preferred alternative associated with the Central Link Light Rail project. Specifically, the contract provides geotechnical services for the tunnels and subterranean stations in the North Corridor and the tunnels and deep subterranean station in Beacon Hill. Subsequently, this contract was amended by the Board to add additional work and extend the end date to December 31, 2000.

With work now underway to examine design alternatives in support of the LB 235 design/build contract negotiations, it has become necessary to undertake additional geotechnical borings, analysis, and engineering. This work must be accomplished in order to revise the Geotechnical Baseline Report, which will become a basis for the negotiation, award and administration of the LB 235 design/build contract. This contract amendment will include this additional work and extend the end date to June 30, 2001.

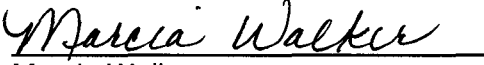
Motion:

It is hereby moved by the Board of the Central Puget Sound Regional Transit Authority that the Executive Director is authorized to execute an amendment to contract RTA/LR 106-98F with Shannon and Wilson, Inc., for geotechnical engineering services of the Central Link Light Rail project. The action establishes a contract amendment amount of \$1,093,250 and a 10% contingency of \$109,325, for a total contract amendment amount not to exceed \$1,202,575, and for a total contract amount not to exceed \$10,581,601.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on the 26th day of October 2000.


David Earling
Board Chair

ATTEST:


Marcia Walker
Board Administrator