

STAFF REPORT

SOUND TRANSIT MOTION NO. M2000-55

Contract with Hatch Mott Macdonald-Sverdrup

Meeting:	Date:	Type of Action:	Staff Contact:	Phone:
Finance Committee	7/6/00	Discussion, Possible Action to Recommend to Board Approval	Paul Bay, Director Bill Houppermans, Chief Engineer	206-398-5134 206-398-5125
Board of Directors	7/13/00	Action		

PROPOSED ACTION

This action authorizes the Executive Director to execute a contract with Hatch Mott Macdonald-Sverdrup for civil engineering final design services associated with construction of the Beacon Hill tunnel segment of the Central Link Light Rail project. The action establishes a contract amount of \$5,275,000 with a 10% contingency of \$527,000, for a total authorized amount not to exceed \$5,802,000.

KEY FEATURES

Highlights of Proposed Action:

- ◆ Authorizes the Executive Director to execute a contract with Hatch Mott Macdonald-Sverdrup for civil engineering final design services.
- ◆ Creates a 10% contingency fund to the contract.
- ◆ Authorizes a total contract amount not to exceed \$5,802,000.

Discussion of Proposed Action:

Preliminary engineering for the Central Link Light Rail line was completed in December 1999. The next step in project implementation is to begin the final design phase. Staff is seeking Board approval to contract with Hatch Mott Macdonald-Sverdrup to perform the civil engineering final design work for the Beacon Hill Tunnel segment. The scope of services for this contract includes: preparation of plans, specifications and estimates (PS&E) for trackway; tunnels, and retained cut and fill structures; earthwork; geometric plans and profiles; roadway modifications; new utility services and relocations; grading and drainage; and structural, electrical and mechanical design for a station shell. The final design documents developed and delivered under this scope of services will serve as the contract documents for soliciting bids and constructing the project under a public works procurement process. The final design services for systems engineering, traffic engineering, trackwork, geotechnical engineering, and architectural, landscaping and urban design will be provided by other consulting firms under

separate contracts. The Civil Facilities Consultant (CFC) will coordinate all the final design services for this contract.

BUDGET

Funding for this scope of work is included in Sound Move plan and in the FY2000 capital budget. The budget for completion of these tasks is identified in Sound Transit's 2000 budget under final design. With the budget developed for the Central Link configuration approved 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])
\$2,482,828,000	\$208,149,000	\$59,789,923	\$5,802,000	\$142,557,077

ALTERNATIVES

- Procurement of a different consultant team for final design services.
- Hire additional Sound Transit staff to perform these roles in support of the Light Rail project implementation.

Both alternatives would result in substantial delay and added costs for the project. Significant time would be lost with a new procurement or staff recruiting process.

CONSEQUENCES OF DELAY

Entering into final design is critical to meet the project schedule for the Central Link Light Rail line. The Beacon Hill tunnel segment is one of the longer lead elements of the entire project. Delaying this procurement process would result in added time and costs for the entire project.

REGIONAL PARTNERSHIP AND COOPERATION

N/A.

PUBLIC INVOLVEMENT

N/A.

LEGAL REVIEW

MBL 5/20/00.

SOUND TRANSIT

MOTION NO. M2000-55

Contract Award to Hatch Mott Macdonald-Sverdrup

A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the Executive Director to execute a contract with Hatch Mott Macdonald-Sverdrup for civil engineering final design services associated with construction of the Beacon Hill tunnel segment for the Central Link Light Rail project for a contract amount of \$5,275,000 with a 10% contingency of \$527,000 for a total authorized amount not to exceed \$5,802,000.

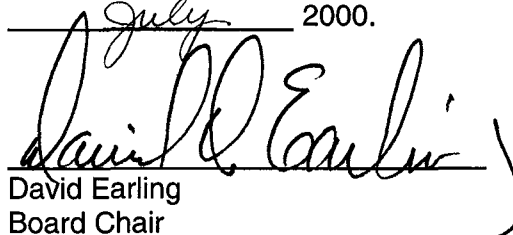
Background:

Preliminary engineering for the Central Link Light Rail line was completed in December 1999. The next step in project implementation is to begin the final design phase. Staff is seeking Board approval to contract with Hatch Mott Macdonald-Sverdrup to perform the civil engineering final design work for the Beacon Hill tunnel segment. The scope of services for this contract includes: preparation of plans, specifications and estimates (PS&E) for trackway; tunnels, and retained cut and fill structures; earthwork; geometric plans and profiles; roadway modifications; new utility services and relocations; grading and drainage; and structural, electrical and mechanical design for a station shell. The final design documents developed and delivered under this scope of services will serve as the contract documents for soliciting bids and constructing the project under a public works procurement process. The final design services for systems engineering, traffic engineering, trackwork, geotechnical engineering, and architectural, landscaping and urban design will be provided by other consulting firms under separate contracts. The Civil Facilities Consultant (CFC) will coordinate all the final design services for this contract.

Motion:

It is hereby moved by the Board of the Central Puget Sound Regional Transit Authority that the Executive Director is authorized to execute a contract with Hatch Mott Macdonald-Sverdrup for civil engineering design services associated with construction of the Beacon Hill Tunnel of the Central Link Light Rail project for the amount of \$5,275,000 with a 10% contingency of \$527,000 for a total authorized amount not to exceed \$5,802,000.

Approved by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof on the 13th day of July 2000.


David Earling
Board Chair

ATTEST:


Marcia Walker
Board Administrator