

**SOUND TRANSIT
STAFF REPORT**

MOTION NO. M2005-15

**Contract Amendment for
Additional Civil Engineering Final Design Services during Construction
For Central Link South Boeing Access Road to South 154th Street Segment**

Meeting:	Date:	Type of Action:	Staff Contact:	Phone:
Finance Committee	3/3/05	Discussion/Possible Action to Recommend Board Approval Action	Ahmad Fazel, Link Director	206-398-5389
Board	3/10/05		Bob Parsons, Link Civil Engineering Manager	206-398-5150

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

✓ *Applicable to proposed transaction.*

ACTION

Ratifies and approves the contract for civil engineering design services with Hatch Mott MacDonald and authorizes the Chief Executive Officer to execute a contract amendment to the contract to provide additional civil engineering design services during construction for Central Link Light Rail Initial Segment project from South Boeing Access Road to South 154th Street in the amount of \$1,650,000 for a new total authorized amount not to exceed \$15,950,000.

KEY FEATURES

- Approves existing contract with Hatch Mott MacDonald (HMM) executed under the presumed authority of Motion No. M2002-45 authorizing execution of a contract with AMEC-Hatch Mott MacDonald Joint Venture.
- Under the original contract with HMM, \$879,181 is budgeted for on call design services during construction. Under this amendment, HMM will provide additional on call design services during construction under the direction of Sound Transit in an amount not to exceed \$1,650,000. These services will include review of submittals; responses to Requests for Information from the contractor; preparation of design modifications in response to changed conditions; support of design change management activities; and coordination with third parties. With the completion of the final design on this line segment and taking into consideration Link's experience with the design services requirements on other line segments currently under construction, it is estimated that an additional \$1,650,000 is required to complete this phase of the contract.
- The additional design services to be provided by HMM are within the scope of the original contract with HMM.

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 DISCUSSION

The proposed action would authorize execution of an amendment to the contract with HMM to provide additional civil engineering design services during construction for the Link C755 Tukwila construction project, South Boeing Access Road to South 154th Street, in the amount of \$1,650,000 with no contingency for a new total authorized amount not to exceed \$15,950,000.

The adopted 2005 lifetime capital budget for the Initial Segment is \$2.07 billion. Within that budget, \$2,829,190 has been set aside for design services during construction for the C755 Tukwila construction project. Should the proposed action be approved, this budget line item will have a remaining balance of \$300,009.

REVENUE, SUBAREA, AND FINANCIAL PLAN IMPACTS

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

BUDGET TABLE

Action Item: Hatch Mott MacDonald (HMM) (Provide design services during construction (DSDC) for C755 Tukwila construction project, South Boeing Access Road to South 154th Street, in the Central Link Initial Segment)

(Year of Expenditure \$000)

Initial Segment	Adopted 2005 Budget (A)	Committed To Date (B)	This Action (C)	Total Committed & Action (D)	Uncommitted (Shortfall) (E)
1 Agency Administration	218,780	111,533		111,533	107,247
2 Preliminary Engineering	34,000	33,586		33,586	414
3 Final Design	143,523	138,038	1,650	139,688	3,835
4 Right of Way	229,516	171,107		171,107	58,409
5 Construction	1,168,066	779,084		779,084	388,982
6 Construction Services	83,892	80,631		80,631	3,261
7 Third Party Agreements	58,916	52,474		52,474	6,442
8 Vehicles	133,307	131,799		131,799	1,508
9 Total Current Budget	2,070,000	1,498,251	1,650	1,499,901	570,099

Final Design Phase Detail

10 DSDC C755	2,829	879	1,650	2,529	300
11 DSDC Other Contracts	26,072	23,528		23,528	2,544
12 Other Final Design	114,622	113,631		113,631	991
13 Total Phase	143,523	138,038	1,650	139,688	3,835

(B) COMMITTED TO DATE amounts are from the Link Program Cost Summary Report (HQ Reports) for November 2004 + Board motions not yet included in the report.

Contract Budget	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	13,000	14,300	1,650	14,650	15,950
15 Contingency	1,300	0	-	1,300	0
16 Total	14,300	14,300	1,650	15,950	15,950
17 Percent Contingency	10%	0%	0%	9%	0%

M/W/DBE – SMALL BUSINESS PARTICIPATION

Prime Consultant/Contractor

HMM is the prime consultant for this contract. During construction, the need to send work to the designer of record is driven by the scope of the change as well as the timeliness of the response required. The actual M/W/DBE and Small Business percentages achieved will vary depending on these needs and cannot, at this time, be confirmed. However, consistent with the actions of HMM through final design, HMM is committed to distributing the work to the subconsultant designer of record as necessary to provide the services as required.

The M/W/DBE and Small Business goal established for this contract was 20%. Performance to date on this contract has achieved 24.18% M/W/DBE-Small Business participation. The M/W/DBE and Small Business participation estimate for HMM's design services during construction is 4%, which reflects a greater utilization of prime consultant staff during this phase. When the project is complete, the resulting M/W/DBE participation for the overall contract is estimated to meet or exceed the established 20% goal for this contract.

The following M/W/DBE and Small Business subconsultants may be utilized for this contract amendment:

Rosewater Engineering	WBE/DBE
CTS Engineers	Small Business
Anil Verma Associates	MBE/DBE
Pacific Project Management	WBE/DBE
Bright Engineering	MBE/DBE

EEO Commitment

HMM workforce demographics are 18.7% women and 20.7% minorities.

HISTORY OF PROJECT

Prior Board or Committee Actions and Relevant Board Policies

Motion or Resolution Number	Summary of Action	Date of Action
M2002-45	Executed a contract with AMEC-Hatch Mott MacDonald Joint Venture for civil engineering final design services associated with construction of the S. Boeing Access Road to S. 154 th Street segment for the Central Link Light Rail project for a contract amount of \$13,000,000 with a 10% contingency of \$1,300,000 for a total authorized amount not to exceed \$14,300,000.	4/25/02
R2001-16	Selected the initial segment of the central Link Light Rail Project to be constructed and operated by 2009.	11/29/01

A procurement procedure was carried out from October 2001 to February 2002 to select a design team for the civil final design of South Boeing Access Road to South 154th Street. Five proposals were received and evaluated by the selection committee, which included a representative from the City of Tukwila staff. Two teams were chosen for interviews and AMEC-HMM Joint Venture (JV) was selected as the most qualified. AMEC-HMM JV submitted an

initial cost proposal on February 25, 2002 and negotiations on the scope of work, budget, and contractual terms commenced. Sound Transit and AMEC-HMM JV reached a tentative agreement on the scope of work, the contract amount, and other contractual issues. The contract amount was \$13,000,000 (\$12 million for final design and \$1 million for design support during construction, plus a 10% contingency of \$1,300,000 for a total amount of \$14,300,000. The Board approved this tentative agreement in M2002-45 in April 2002.

Before the contract was executed, AMEC notified Sound Transit that it had been placed on the Federal Debarment List by the General Services Administration. As a result, Sound Transit requested the three top-rated proposers (one being HMM without AMEC) to validate their technical proposals and provide Sound Transit with revised team information. After evaluating the submittals, Sound Transit's original proposal evaluation team again selected Hatch Mott MacDonald, whose proposal included the same scope of work, budget, and key individuals as in the original AMEC-HMM JV.

During the course of negotiations with HMM, it became necessary to make minor revisions to the budget allocation. As a result, approximately \$120,000 was reallocated from design services during construction to final design. However, consistent with Motion No. M2002-45, Sound Transit entered into a contract with HMM for an amount not to exceed \$13,000,000, plus a 10% contingency of \$1,300,000 for a total amount of \$14,300,000.

With the completion of the final design on this line segment and taking into consideration Link's experience with the design services requirements on other line segments currently under construction, it is estimated that an additional \$1,650,000 is required to complete this phase of the contract.

CONSEQUENCES OF DELAY

Significant delay in Board action could result in delayed responses to the contractor's submittals and requests for information, which could delay the construction schedule.

PUBLIC INVOLVEMENT

The work under this contract will include assistance to Sound Transit in obtaining land use, environmental, and building permits from the cities of Seattle and Tukwila.

LEGAL REVIEW

JDW

SOUND TRANSIT

MOTION NO. M2005-15

A motion of the Board of the Central Puget Sound Regional Transit Authority ratifying and approving the contract for civil engineering design services with Hatch Mott MacDonald and authorizing the Chief Executive Officer to execute a contract amendment to provide additional civil engineering design services during construction for Central Link Light Rail Initial Segment project from South Boeing Access Road to South 154th Street in the amount of \$1,650,000 for a new total authorized amount not to exceed \$15,950,000.

Background:

A procurement procedure was carried out from October 2001 to February 2002 to select a design team for the civil final design of South Boeing Access Road to South 154th Street. Five proposals were received and evaluated by the selection committee, which included a representative from the City of Tukwila staff. Two teams were chosen for interviews and AMEC-HMM Joint Venture (JV) was selected as the most qualified. AMEC-HMM JV submitted an initial cost proposal on February 25, 2002 and negotiations on the scope of work, budget, and contractual terms commenced. Sound Transit and AMEC-HMM JV reached a tentative agreement on the scope of work, the contract amount, and other contractual issues. The contract amount was \$13,000,000 (\$12 million for final design and \$1 million for design support during construction, plus a 10% contingency of \$1,300,000 for a total amount of \$14,300,000. The Board approved this tentative agreement in M2002-45 in April 2002.

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With the completion of the final design on this line segment and taking into consideration Link's experience with the design services requirements on other line segments currently under construction, it is estimated that an additional \$1,650,000 is required to complete this phase of the contract.

Motion:


It is hereby moved by the Board of the Central Puget Sound Regional Transit Authority that the contract with Hatch Mott MacDonald for civil engineering design services is ratified and approved and the Chief Executive Officer is authorized to execute a contract amendment to provide additional civil engineering design services during construction for Central Link Light Rail Initial Segment project from South Boeing Access Road to South 154th Street in the amount of \$1,650,000 for a new total authorized amount not to exceed \$15,950,000.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on March 10, 2005.



Kevin Phelps
Board Chair Pro Tem

ATTEST:



Marcia Walker
Board Administrator