

**SOUND TRANSIT
STAFF REPORT**

MOTION NO. M2002-45

Link Civil Final Design Services, South Boeing Access Road to South 154th Street

Meeting:	Date:	Type of Action:	Staff Contact	Phone:
Finance Committee	4/18/02	Discussion/Possible Action to Recommend	Ahmad Fazel, Link Director Joe Gildner, Link Deputy	(206) 398-5389 (206) 689-3350
Board	4/25/02	Board Approval Action	Director of Technical Services Rod Kempkes, Sr. Civil Engineer	(206) 398-5374

Contract/Agreement Type:		Requested Action:	
	3		3
Competitive Procurement	4	Execute New Contract/Agreement	4
Sole Source		Amend Existing Contract/Agreement	
Memorandum of Agreement		Contingency Funds Required	
Purchase/Sale Agreement		Budget Amendment Required	

4 Applicable to proposed transaction.

OBJECTIVE OF ACTION

- Procure final design services necessary for the preparation of two contract document packages for the construction of civil facilities for the light rail segment from South Boeing Access Road to South 154th Street.

ACTION

Authorize the Executive Director to execute a contract with AMEC-Hatch Mott MacDonald Joint Venture (AMEC-HMM JV) to provide civil final design services for Central Link from South Boeing Access Road to South 154th Street in the amount of \$13,000,000 plus a 10% contingency of \$1,300,000 for a total authorized amount not to exceed \$14,300,000.

KEY FEATURES

- Authorizes the Executive Director to execute a contract with AMEC-HMM JV to provide civil final design services for the segment of the light rail alignment, which extends from South Boeing Access Road to South 154th Street. This segment is 4.95 miles in length and includes 3.5 miles of elevated guideway, 1.45 miles of trackway in retained cut/fill, and an elevated station and surface parking lot with off-street bus facilities at the South 154th Station.
- Authorizes a contract amount of \$13,000,000 plus a 10% contingency of \$1,300,000 for a total authorized amount not to exceed \$14,300,000.
- Includes final design work scheduled to commence in May 2002 and to continue for 18 months to be completed on October 30th, 2003. Final design will consist of the preparation of two complete contract document packages, including plans, specifications, and estimates, for the C750 and C760 civil construction contracts.

- A provisional amount of approximately \$1,000,000 for design services during construction, beginning in October 2004, and continuing for 2-½ years, is included in the total contract amount.
- Contract will not be executed until final design authorization is received from FTA for the Initial Segment.

BUDGET IMPACT SUMMARY

Project Description: Civil Final Design Services – S. Boeing Access Road to S. 154th Street
Current Status: Preliminary Engineering is complete.

Projected Completion Date: Design Services – October 2003
 Construction Support Services – April 2007

Action Outside of Adopted Budget:	Y/N	Y	Requires Comment
This Line of Business	N		
This Project	N		
This Phase	N		
This Task	N		
Budget amendment required	N		
Key Financial Indicators:	Y/N	Y	Requires Comment
Contingency funds required	N		
Subarea impacts	N		
Funding required from other parties other than what is already assumed in financial plan	N		

N = Action is assumed in current Board-adopted budget. Requires no budget action or adjustment to financial plan

BUDGET DISCUSSION

The total budget for the Initial Segment from CPS to South 154th (as identified in Amendment 9) is \$2.07 billion. Within that budget, the activity contemplated within this motion is identified within the Final Design phase. This activity was included within the cost estimate and there are sufficient funds identified for work identified in this motion. The budget for this activity is \$14,800,000 including previously completed work. There is a remaining budget surplus of \$500,000 for this activity. With the award of this contract, there is sufficient budget remaining to complete the project.

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 sub-area financial capacity. The action will have no new revenue impacts on Sound Transit

SUMMARY FOR BOARD ACTION

Summary for Board Action (Year of Expenditure \$000)

Action Item: AMEC-HMM JV

Initial Segment	Current Board Adopted Budget (A)	Committed To Date (B)	This Action (C)	Total Committed & Action (D)	Uncommitted (Shortfall) (E)
1 Agency Administration	226,200	8,375		8,375	217,825
2 Preliminary Engineering	37,992	21,000		21,000	16,992
3 Final Design	116,340	71,694	14,300	85,994	30,346
4 Right of Way	233,000	61,716		61,716	171,284
5 Construction	1,175,092	-		-	1,175,092
6 Construction Services	77,500	-		-	77,500
7 Third Party Agreements	58,800	11,349		11,349	47,451
8 Vehicles	145,076	3		3	145,073
9 Contingency				-	-
10 Total Current Budget	2,070,000	174,136	14,300	188,436	1,881,564

Final Design Phase Budget Detail

11 D 755 Final Design and Design Support in Construction	14,800	-	14,300	14,300	500
12 Other Final Design	101,540	71,694		71,694	29,846
13 Total Phase	116,340	71,694	14,300	85,994	30,346

Contract Budget	Current Approved Contract Value (F)	Spent to Date (G)	Proposed Action (H)	Proposed Total Contract Value (I)
14 D 755 Final Design and Design Support in Construction	0	0	13,000	13,000
15 Contingency			1,300	1,300
16 Total	-	-	14,300	14,300
17 Percent Contingency	0%	0%	9%	9%

- A Provisional budget based on estimates of historic costs to be allocated between the initial segment and Capital Hill. Upon completion of recoding costs to the current project structure, a finalized phase-level budget will be presented to the Board.

Commitments reflect total commitments for Central Link as estimated to be allocated to the Initial Segment and to the North Link Extension

M/W/DBE – SMALL BUSINESS PARTICIPATION

The civil final design team consists of AMEC-HMM JV as the prime consultant with eight sub-consultants representing small business and minority firms. The W/M/DBE participation is 20.0%.

HISTORY OF PROJECT

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 JV was selected as the most qualified. AMEC-HMM JV submitted an initial cost proposal on Feb 25th, and negotiations on the scope of work, budget and contractual terms commenced. Subsequently, Sound Transit and AMEC-HMM JV reached an agreement on the scope of work, the contract amount and other contractual issues. The contract amount is \$13,000,000, plus a

10% contingency of \$1,300,000 for a total amount of \$14,300,000. The contract period is 5 years, starting in May 2002 and ending on April 30, 2007. Sound Transit's estimate for the work in this contract is \$13,000,000, which includes \$12,000,000 for final design services with an allowance of \$1,000,000 for design support during construction.

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

Motion or Resolution Number	Summary of Action	Date of Action
Reso No. 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 No. M2001-103	Identified the preferred initial segment to be constructed and operated for central Link Light Rail.	9-27-01
Reso No. 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

- Right of Way acquisition for this segment of the Central Link project is scheduled to commence in November 2002, and to be completed in September 2004. Advertisement for construction is scheduled for April 2004.
- The final design documents are required to proceed with right of way acquisition, followed by construction. Any delay in the development of these documents would impact the schedule for construction of this segment. This design activity is on the critical path of the Project Master Schedule could impact the planned opening date of the Central Link system in 2009.

REGIONAL PARTNERSHIP AND COOPERATION

- N/A

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 3/29/02

SOUND TRANSIT

MOTION NO. M2002-45

A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the Executive Director to execute a contract with AMEC-Hatch Mott MacDonald Joint Venture (AMEC-HMM JV) to provide civil final design services for Central Link from South Boeing Access Road to South 154th Street in the amount of \$13,000,000 plus a 10% contingency of \$1,300,000 for a total authorized amount not to exceed \$14,300,000.


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. Two teams were chosen for interviews and AMEC-HMM JV was selected as the most qualified. AMEC-HMM JV submitted an initial cost proposal on Feb 25th, and negotiations on the scope of work, budget and contractual terms commenced. Subsequently, Sound Transit and AMEC-HMM JV reached an agreement on the scope of work, the contract amount and other contractual issues. The contract amount is \$13,000,000, plus a 10% contingency of \$1,300,000 for a total amount of \$14,300,000. The contract period is 5 years, starting in May 2002 and ending on April 30, 2007. Sound Transit's estimate for the work in this contract is \$13,000,000, which includes \$12,000,000 for final design services with an allowance of \$1,000,000 for design support during construction.

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 AMEC-Hatch Mott MacDonald Joint Venture (AMEC-HMM JV) to provide civil final design services for Central Link from South Boeing Access Road to South 154th Street in the amount of \$13,000,000 plus a 10% contingency of \$1,300,000 for a total authorized amount not to exceed \$14,300,000.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on April 25, 2002.



Ron Sims
Board Chair

ATTEST:



Marcia Walker
Board Administrator