

**SOUND TRANSIT  
STAFF REPORT**

**MOTION NO. M2004-32**

**Design Services During Construction for Rainier Valley Light Rail**

Meeting:	Date:	Type of Action:	Staff Contact:	Phone:
Finance Committee	4/1/04	Discussion/Possible Action to Recommend	Ahmad Fazel, Link Director <b>Bob Parsons, Link Civil Engineering Manager</b>	(206) 398-5389 (206) 398-5150
Board	4/8/04	Board Approval Action	Tony Raben, Link C735 Line Section Manager	(206) 398-5171

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.*

**OBJECTIVE OF ACTION**

Amend the existing CH2M Hill contract to cover design services during construction of the Rainier Valley light rail project.

**ACTION**

Authorize the Chief Executive Officer to execute a contract amendment with CH2M Hill to provide design services during construction of light rail in Rainier Valley in the amount of \$925,000, for a new total authorized contract amount not to exceed \$10,382,572.

**KEY FEATURES**

- Design services during construction will be performed under the direction of Sound Transit. Services will include, but are not limited to, participation in the preconstruction phase; 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, including private property owners and abutting developers.
- Design services during construction will be provided by CH2M Hill on an on-call basis as determined necessary by Sound Transit staff. Services to be provided will be negotiated by staff and will be consistent with the project scope of work contained in the request for proposals.
- At the time of the original contract award, it was anticipated that a contract amendment would be executed at the start of construction to cover the design support services described above. With the recent award of the Rainier Valley light rail construction contract, the amendment for the design support services is now proposed.

## **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**

This action would authorize execution of a contract amendment in the amount of \$925,000 with CH2M Hill to provide design services during construction of light rail in Rainier Valley for a new total authorized amount not to exceed \$10,382,572.

The Adopted 2004 Budget for the Central Link Light Rail Project Initial Segment is \$2.07 billion. Within that budget \$1,000,000 was set aside for Rainier Valley design support services during construction in the final design phase. Should the proposed action be approved, the remaining balance for this budget item will be \$75,000.

## **REVENUE, SUBAREA, AND FINANCIAL PLAN IMPACTS**

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

## BUDGET TABLE

**Action Item:** CH2M Hill (provide design services during construction (DSDC) for C735 Rainier Valley construction project in the Central Link Initial Segment)

### (Year of Expenditure \$000)

Initial Segment	Adopted FY2004 Budget (A)	Committed To Date (B)	This Action (C)	Total Committed & Action (D)	Uncommitted (Shortfall) (E)
1 Agency Administration	226,780	108,949		108,949	117,831
2 Preliminary Engineering	35,000	33,290		33,290	1,710
3 Final Design	123,523	114,930	925	115,855	7,668
4 Right of Way	233,016	134,376		134,376	98,640
5 Construction	1,171,837	264,682		264,682	907,154
6 Construction Services	82,737	56,648		56,648	26,089
7 Third Party Agreements	58,800	40,619		40,619	18,181
8 Vehicles	138,307	131,799		131,799	6,508
9 Contingency				-	-
10 <b>Total Current Budget</b>	<b>2,070,000</b>	<b>885,293</b>	<b>925</b>	<b>886,218</b>	<b>1,183,782</b>

### Phase Budget Detail

11 DSDC for C735	1,000	-	925	925	75
12 DSDC for Other Segments	5,308	604	-	604	4,704
13 Other Final Design	117,215	114,327	-	114,327	2,889
14 <b>Total Phase</b>	<b>123,523</b>	<b>114,930</b>	<b>925</b>	<b>115,855</b>	<b>7,668</b>

(B) Committed to Date amounts are from the Link Program Cost Summary Report (HQ Reports) for February 2004 + board motions not yet included in report as follows:

	Final Design	Construction	Construct Svcs	Third Parties	Vehicles
Commitments through February 2004	114,390	133,076	11,151	40,619	-
Other board motions	540	131,606	45,497	-	131,799
<b>Total phase commitments</b>	<b>114,930</b>	<b>264,682</b>	<b>56,648</b>	<b>40,619</b>	<b>131,799</b>

Contract Budget	Current Approved Contract Value (F)	Spent to Date (G)	Proposed Action (H)	Proposed Total Contract Value (I)
15 Contract Amount	8,811	8,509	925	9,736
16 Contingency	647	-	-	647
17 <b>Total</b>	<b>9,458</b>	<b>8,509</b>	<b>925</b>	<b>10,383</b>
18 Percent Contingency	7%	0%	0%	7%

## M/W/DBE – SMALL BUSINESS PARTICIPATION

### Prime Consultant/Contractor

CH2M Hill 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 CH2M Hill through final design, CH2M Hill 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 22%. Performance to date on this contract has achieved the 22% M/W/DBE participation. The M/W/DBE and Small Business participation estimate for CH2M Hill's design services during construction is 10.6%, which reflects a greater utilization of prime consultant staff during this phase. The resulting M/W/DBE participation for the overall contract is estimated to be 21% when the project is completed.

## Utilization Breakdown Table

<b>Subconsultant</b>	<b>Business Type</b>	<b>% of Work</b>
Civil Tech	MWBE/DBE	10.6

## EEO Commitment

CH2M Hill workforce demographics are 37% women and 11% minorities.

## HISTORY OF PROJECT

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

<b>Motion or Resolution Number</b>	<b>Summary of Action</b>	<b>Date of Action</b>
M2004-03	Executed a contract with RCI-Herzog, A Joint Venture, for light rail construction in the Rainier Valley in the amount of \$128,302,911 with a 12% contingency of \$15,396,349 for a total authorized contract amount not to exceed \$143,699,260.	2/12/04
M2002-97	Executed a contract amendment with CH2M Hill to incorporate underground utilities into the final design of MLK Jr. Way S. in the amount of \$1,220,000 with a 3.3% contingency of \$1,260,000, and for a new total authorized contract amount not to exceed \$9,457,572.	8/22/02
M2002-57	Authorized negotiating an agreement with the City of Seattle to define terms and conditions for City of Seattle payments for undergrounding utilities on MLK Jr. Way S. and to complete the final design with undergrounding of utilities included.	4/25/02
M2002-26	Executed a contract amendment with CH2M Hill to provide additional civil engineering final design Services for the MLK Jr. Way S. light rail segment in the amount of \$1,751,152 for a total authorized contract amount not to exceed \$8,423,697.	3/14/02
R2001-16	Selected the initial segment of the Central Link Light Rail Project to be constructed and operated by 2009.	11/29/01
M2000-80	Executed a contract with CH2M HILL for civil engineering final design services associated with the Central Link light rail project at-grade segments in the Rainier Valley along MLK Jr. Way S. from South Walden Street to South Boeing Access Road. Establish a contract amount of \$6,065,949 with a 10% contingency of \$606,595 for a total authorized amount not to exceed \$6,672,544.	9/14/00

An Agreement for Professional Services RTA/LR 39-00 with CH2M Hill was executed on August 14, 2000 for final design of the civil facilities along MLK Jr. Way S. in Rainier Valley from South Walden Street to South Boeing Access Road.

In March of 2002, the CH2M Hill contract (LR39-00) was amended to provide additional civil engineering final design services for the MLK Jr. Way S. project.

In April 2002, the City of Seattle passed Resolution 30459 stating the City's intent to relocate the existing overhead utilities underground along the light rail corridor in Rainier Valley. Also in April 2002, the Sound Transit Board authorized staff to seek an agreement with the City of Seattle concerning the undergrounding of utilities and to proceed with final design assuming the

relocations of utilities underground. Design costs were considered as part of the overall estimate for the work.

In August of 2002, the CH2M Hill contract was amended to provide final designer services to incorporate the undergrounding of utilities along the majority of the MLK Jr. Way S. corridor.

In February 2004, Sound Transit awarded the C735 Rainier Valley Construction Contract and issued Notice to Proceed thereby initiating the Pre-construction Phase of the construction contract.

### **CONSEQUENCES OF DELAY**

A delay in approving the contract beyond April 8, 2004, will hinder the pre-construction services phase of the C735 Rainier Valley Construction project by not engaging key persons in this strategic phase of the project.

### **LEGAL REVIEW**

DB 3/19/04

## SOUND TRANSIT

### MOTION NO. M2004-32

A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the Chief Executive Officer to execute a contract amendment with CH2M Hill to provide design services during construction of light rail in the Rainier Valley in the amount of \$925,000, for a new total authorized contract amount not to exceed \$10,382,572.

#### **Background:**

An Agreement for Professional Services RTA/LR 39-00 with CH2M Hill was executed on August 14, 2000 for final design of the civil facilities along MLK Jr. Way S. in Rainier Valley from South Walden Street to South Boeing Access Road.

In March of 2002, the CH2M Hill contract (LR39-00) was amended to provide additional civil engineering final design services for the MLK Jr. Way S. project.

In April 2002, the City of Seattle passed Resolution 30459 stating the City's intent to relocate the existing overhead utilities underground along the light rail corridor in Rainier Valley. Also in April 2002, the Board authorized staff to seek an agreement with the City of Seattle concerning the undergrounding of utilities and to proceed with final design assuming the relocations of utilities underground. Design costs were considered as part of the overall estimate for the work.

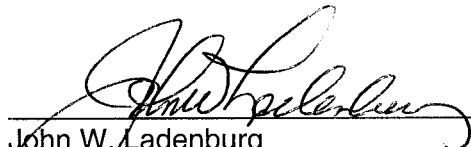
In August of 2002, the CH2M Hill contract was amended to provide final designer services to incorporate the undergrounding of utilities along the majority of the MLK Jr. Way S. corridor.

In February 2004, Sound Transit awarded the C735 Rainier Valley Construction Contract and issued Notice to Proceed, thereby initiating the Pre-construction Phase of the construction contract.

#### **Motion:**

It is hereby moved by the Board of the Central Puget Sound Regional Transit Authority that the Chief Executive Officer is authorized to execute a contract amendment with CH2M Hill to provide design services during construction of light rail in the Rainier Valley in the amount of \$925,000, for a new total authorized contract amount not to exceed \$10,382,572.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on April 8, 2004.

  
John W. Ladenburg  
Board Chair

ATTEST:



Marcia Walker  
Board Administrator