

**SOUND TRANSIT
STAFF REPORT**

MOTION NO. M2007-29

**Design Management Support Services Contract
for University Link Segment**

Meeting:	Date:	Type of Action:	Staff Contact:	Phone:
Finance Committee	2/15/07	Discussion/Possible Action to Recommend	Ahmad Fazel, Link Executive Director	(206) 398-5389
Board	2/22/07	Board Approval Action	John Harrison, Link Deputy Executive Director John Sleavin, Link Civil Engineering Manager	(206) 398-5309 (206) 398-5150

Contract/Agreement Type:	<input checked="" type="checkbox"/>	Requested Action:	<input checked="" type="checkbox"/>
Competitive Procurement	<input checked="" type="checkbox"/>	Execute New Contract/Agreement	<input checked="" type="checkbox"/>
Sole Source	<input type="checkbox"/>	Amend Existing Contract/Agreement	<input type="checkbox"/>
Agreement with Other Jurisdiction(s)	<input type="checkbox"/>	Budget Amendment	<input type="checkbox"/>
Real Estate	<input type="checkbox"/>	Property Acquisition	<input type="checkbox"/>

PROJECT NAME

University Link – Pine Street Stub Tunnel (PSST) to University of Washington (UW) Station

PROPOSED ACTION

Authorizes the chief executive officer to execute a contract with PB America to provide design management support services for the University Link light rail project, in the amount of \$5,407,273 with a 10% contingency of \$540,727, for a total authorized amount not to exceed \$5,948,000.

KEY FEATURES of PROPOSED ACTION

- The purpose of this action is to provide design management support services for University Link. The key aspects of this contract include but are not limited to the following:
 - Provide full-time structural/geotechnical and architectural expertise as an extension to the Link engineering staff that will assist Sound Transit in managing the University Link final design efforts.
 - The design management consultant will provide an independent design review on construction documents and design reports delivered to Sound Transit by the University Link final civil design consultant. This includes but is not limited to 60% contract document review, pre-final contract document review, and final contract document review.
 - The design management consultant will perform value engineering, constructability, and peer reviews; and risk assessments in accordance with Federal Transportation Administration and Sound Transit requirements.

- The design management consultant and/or their subconsultants shall define the vibration mitigation type and performance specification. The final design teams shall use the information to produce contract documents.
- The design management consultant shall provide a Small Business Advisory Team whose function will be to enhance relationships and identify effective long-term outreach strategies.

BUDGET IMPACT SUMMARY

Current Project Phase: Final Design
 Projected Completion Date: 2016

Action Outside of Adopted Budget:	✓	Comments on Checked Items
This Project		
This Phase		
This Task	✓	Proposed action requires funding from surplus budget within the final design phase
Budget Amendment Required		

Key Financial Indicators:	✓	Comments on Checked Items
Contingency Funds Required		
Funding required from other parties (other than what is in financial plan)		

Not checked = action is assumed in current Board-adopted budget. No budget action or adjustment to financial plan required.

BUDGET and FINANCIAL PLAN DISCUSSION

The proposed action would authorize execution of a contract with PB America to provide Design Management Support Services for the University Link light rail project, in the amount of \$5,407,273 with a 10% contingency of \$540,727, for a total authorized amount not to exceed \$5,948,000.

The total current adopted budget for University Link is \$1.514 billion. Within that amount, a line item budget of \$6,486,000 has been set aside for General Design - Other within the final design phase. When added to current commitments, the proposed action would increase the total commitment for this budget line item to \$6,706,000, and result in a budget shortfall of \$220,000. This would be funded from the Final Design – Civil budget line item, which has a surplus budget of \$1,230,365. Approval of the proposed action would reduce this surplus to \$1,010,365. 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: PB America (provide design management support services for the University Link - PSST to UW Station project)

(Year of Expenditure \$000)

University Link	Adopted 2007 Budget (A)	Committed To Date (B)	This Action (C)	Total Committed & Action (D)	Uncommitted (Shortfall) (E)
1 Agency Administration	87,532	8,767		8,767	78,765
2 Preliminary Engineering	24,476	24,872		24,872	(396)
3 Final Design	74,635	44,391	5,948	50,339	24,296
4 Right of Way	135,261	40,356		40,356	94,905
5 Construction	972,140	9		9	972,131
6 Construction Services	57,911	-		-	57,911
7 Third Party Agreements	19,733	644		644	19,089
8 Vehicles	142,320	-		-	142,320
9 Contingency	-	-		-	-
10 Total Current Budget	1,514,008	119,040	5,948	124,988	1,389,020

Final Design Phase

11 General Design - Other	6,486	758	5,948	6,706	(220)
Final Design - Civil	40,114	38,884		38,884	1,230
12 Other Final Design	28,035	4,750		4,750	23,285
13 Total Phase	74,635	44,391	5,948	50,339	24,296

Contract Amount	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	-	-	5,407	5,407	5,407
15 Contingency	-	-	541	541	541
16 Total	-	-	5,948	5,948	5,948
17 Percent Contingency	0%	0%	10%	10%	10%

(B) COMMITTED TO DATE amounts are from Agency WBS Report as of December 2006 + approved and pending board actions not recorded as of 12/31/06, or submitted after that date.

Budget Shortfall

Task Level	\$ (K)	Potential Resources (L)	Source (M)
18 General Design - Other	220	1,230	Surplus budget in Final Design - Civil

SMALL BUSINESS PARTICIPATION

Prime Consultant/Contractor

PB America is the prime design management consultant for this contract. During final design, the need to manage the final designer is driven by the contract packages and the timeliness of the response required. Actual Small Business utilization will vary depending on these needs.

PB America is committed to utilizing small businesses for a minimum of 12% of all work (civil engineering, architectural, geotechnical, and other services) over the life of the contract. PB America is committed to achieving its goal with this proposed contract.

Utilization Breakdown Table

Subconsultant	Business Type	% of Work	Dollar Value
AKB Engineers	MBE	1.35%	\$73,163
Donald Hilton and Associates Inc.	Small Business	.69%	\$37,310
Harvey Parker and Associates, Inc.	Small Business	.55%	\$29,576
ILF Consultants, Inc.	Small Business	1.96%	\$106,146
John MacDonald	Small Business	.38%	\$20,756
Pacific Communications Consultant, Inc.	MWBE/DBE	.31%	\$16,520
Rosewater Engineering, Inc.	WBE/DBE	.62%	\$33,676
Small Business Advisory Team	Small Business	3.70%	\$200,000
VIA Suzuki Architecture, PLLC	Small Business	2.38%	\$128,793

William T. Ott	Small Business	.60%	\$32,521
Total		12.54 %	\$678,461

EEO Commitment

In its proposal, PB America workforce demographics are 15% people of color and 11% women.

PROJECT DESCRIPTION and BACKGROUND for PROPOSED ACTION

The North Link Final SEIS was published on April 7, 2006, which informed the Board's final decision on the North Link project to be built, including route, station locations, project phasing, and financing. On April 27, 2006, the Sound Transit Board adopted Resolution No. R2006-07, which selected the University Link project to be advanced to final design and property acquisition, followed by construction and operation; in addition to approval of a revised lifetime project budget of \$1.514 billion. The University Link project is a 3.15-mile extension of the Initial Segment of light rail in twin-bored tunnels with two cut-and-cover stations connecting downtown Seattle with Capitol Hill and the University of Washington (UW) campus.

Preliminary Engineering for University Link was completed in spring 2006. Sound Transit transmitted a request for final design approval to the FTA in May 2006. The Record of Decision (ROD) for North Link was issued by the FTA in June 2006, completing the environmental review process. Final Design Authority (FDA) for University Link was received from the FTA on December 11, 2006. Final design of University Link began in December 2006.

PB America and their subconsultants will provide design management services to augment Sound Transit's staff in overseeing the final design of the civil design consultant. The services provided by PB America and its subconsultants includes two full-time in-house staff to oversee architecture and structural design; independent design review of the construction documents and design reports at the 60% submittal, pre-final design submittal, and final design submittal; value engineering review; risk assessment; constructability review; provide vibration mitigation performance specifications; small business advisory team; and peer review.

In addition to this design management support services contract, Sound Transit will also procure two other large final design contracts, and several other smaller contracts for University Link. The University Link Systems Engineering Final Design Consultant procurement process is scheduled to begin in April 2007, with scope tasks including vehicle traction power, communications, signaling, trackwork, and other systems design work. The Civil Engineering and Architectural Final Design contract was approved by the Sound Transit Board in November 2006, and design began in December 2006.

The proposed contract with PB America includes options that allow Sound Transit to negotiate future work scope for providing design management support for the remaining University of Washington Station to Northgate portion of North Link. If Sound Transit is satisfied with the contractor's performance during the University Link final design effort, these options if approved by the Board, give Sound Transit the ability to utilize the consultant team expertise and knowledge gained during final design to efficiently expedite the completion of future project work.

The first University Link construction contracts are scheduled to be underway by late 2008 and will include advance utility relocation and site demolition work. Station excavation and construction activities would begin in 2009. University Link service would start in 2016.

Prior Board/Committee Actions on this Project and Relevant Board Policies

Motion/Resolution Number and Date	Summary of Action
R2006-07 4/27/06	(1) Selected the final route, profile, and station locations for the North Link Light Rail Project; (2) selected the University Link portion of North Link to be constructed and operated as part of the Central Link Light Rail Project, including authorizing the steps necessary to complete final design and implementation of the University Link Project including securing a federal Full Funding Grant Agreement; (3) increased the University Link lifetime Adopted 2006 Budget and revising the annual Adopted 2006 Budget; and (4) for planning purposes reduced the minimum debt service coverage for the North King County subarea to 1.15x for the University Link Finance Plan.

CONSEQUENCES of DELAY

The civil final design consultant began their work effort in December 2006. A delay in approval of the design management services contract will hinder Sound Transit's ability to effectively manage the final design consultant as they ramp up their design efforts in late winter/early spring 2007.

PUBLIC INVOLVEMENT

Sound Transit staff has held a number of station design workshops, project open houses, and other meetings involving property owners, neighborhood and business groups, and other interested parties throughout the North Link study area as part of the environmental and preliminary engineering work completed to date. A 45+ day comment period on the 2005 Draft SEIS began in October 2005 and two public open houses/hearings were held in November 2005.

Sound Transit will continue an active community outreach program as part of University Link final design work efforts. The final design consultant will provide management resources to assist Sound Transit in outreach activities.

ENVIRONMENTAL COMPLIANCE

JI 1/23/2007

LEGAL REVIEW

JW 2/9/2007

SOUND TRANSIT

MOTION NO. M2007-29

A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a contract with PB America to provide design management support services for the University Link light rail project, in the amount of \$5,407,273 with a 10% contingency of \$540,727, for a total authorized contract amount not to exceed \$5,948,000.

Background:

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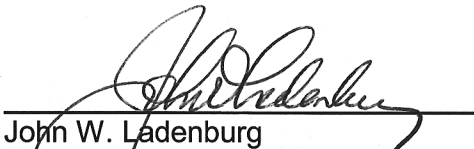
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Motion:

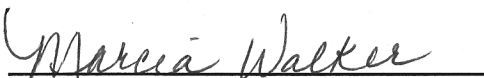
It is hereby moved by the Board of the Central Puget Sound Regional Transit Authority that the chief executive officer is authorized to execute a contract with PB America to provide design management support services for the University Link light rail project, in the amount of \$5,407,273 with a 10% contingency of \$540,727, for a total authorized contract amount not to exceed \$5,948,000.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on February 22, 2007.



John W. Ladenburg
Board Chair

ATTEST:



Marcia Walker
Board Administrator