

**SOUND TRANSIT  
STAFF REPORT**

**MOTION NO. M2001-82**

**Contract Amendment with Otak for Engineering Services for the Tacoma Link Light Rail  
and Tacoma Maintenance Facility Construction Contract**

<b>Meeting:</b>	<b>Date:</b>	<b>Type of Action:</b>	<b>Staff Contact:</b>	<b>Phone:</b>
Finance Committee	8/30/01	Discussion/Possible action	Stephanie Kirby, Senior Civil Engineer Henry Cody, Tacoma Project Manager	(206) 689-3324  (206) 398-5377

**OBJECTIVE OF ACTION**

To provide engineering services for the Tacoma Link Light Rail and Tacoma Maintenance Facility construction contracts.

**ACTION**

Authorizes the Executive Director to execute a contract amendment with Otak to provide engineering services for the Tacoma Link Light Rail and Tacoma Maintenance Facility construction contracts in the amount of \$400,000 with a 10% contingency of \$40,000, for a total authorization amount not to exceed \$440,000 and for a total contract amount of \$4,325,671.

**KEY FEATURES**

This action authorizes Otak to continue engineering services in support of construction management and allow the contractors to resolve field issues related to the design on both the Tacoma Link Light Rail and Maintenance Facility construction projects. Engineering services during construction are needed to expedite resolution in the following:

- Engineering support of unanticipated field conditions with existing and proposed utilities within the trackway right of way
- Engineering review of submittals by the contractor
- Engineering response to requests for information (RFIs)
- Engineering support of ongoing negotiations with public and third party utilities
- Coordination of effects of engineering changes to the 910 construction contract on all other Tacoma construction contracts
- Engineering support in the determination/resolution of changed field conditions
- Preparation of engineering change orders
- Revisions of Contract Documents
- Revisions of Technical Specifications
- As-built CAD support
- Change Order CAD support
- Railroad Engineering
- Traffic Engineering
- Support in resolution of claims

**Highlights of Action:**

- Provides engineering services for the Tacoma Link Light Rail and Tacoma Maintenance Facility construction contracts.
- Authorizes the Executive Director to execute a contract amendment with Otak to provide engineering services during construction in the amount of \$400,000 with a 10% contingency of \$40,000, for a total authorization not to exceed \$440,000 and for a total contract amount of \$4,325,671.

**History of this Contract**

Otak's original contract for engineering services during design and construction of Tacoma Link Light Rail was approved by M99-26 by the Finance Committee on June 17, 1999. During contract negotiations for this original contract, a place holder of \$128,969 for Bid and Construction support services was established, because at that time the exact scope of overall services was undefined. Staff expected to utilize the \$128,969 to bid and award the construction contracts and to begin construction within the engineering services scope of the original contract and then go back to the Finance Committee for approval of additional funds once a more detailed project scope and schedule was determined.

Otak began providing these bid services in June 2000 when Sound Transit advertised for the Tacoma Link Light Rail Line and Tacoma Maintenance Base construction contracts. Sound Transit has currently expended the original allocation of \$128,969 for the bidding and awarding phases of this project, as included in the original contract. Staff now has a detailed scope and schedule of engineering services for the remainder of the construction phase, and is requesting additional funds to support the 21 month construction contract of the Tacoma Link Light Rail.

<b>Motion/Resolution Number</b>	<b>Summary of Action</b>	<b>Date of Action</b>
M99-26	Engineering Services for the design of the Tacoma Link Light Rail line in the amount of \$2,885,970, with an additional contingency reserve of \$577,194, for a total amount not to exceed \$3,463,164.	6/17/99
M2000-62	Additional contingency required for changes in design for Tacoma Link Light Rail line in the amount of \$359,337 for a total contract amount not to exceed \$3,822,501	7/20/2000
M2001-71	Design work required for the BNSF Double Diamond Crossing in the amount of \$63,170 for an amount not to exceed \$3,885,671	7/19/01

## **BUDGET**

<b>Column A</b>	<b>Column B</b>	<b>Column C</b>	<b>Column D</b>	<b>Column E</b>
<b>Total Project Budget</b>	<b>Budget for this Task (B)</b>	<b>Obligated To-Date (C)</b>	<b>Total Amount Requested (D)</b>	<b>Shortfall* or Surplus (B-[C+D])</b>
\$ 80,493,000	\$ 128,969	\$ 128,969	\$ 440,000	- \$ 440,000
<b>*Amount of Shortfall</b>	<b>Potential Revenues</b>	<b>Funding Sources</b>		
\$440,000	\$ 4,023,329	Budget surplus from Tacoma Link Light Rail construction contract		

Funding for this scope of work is included in Sound Move and in the FY2001 adopted capital budget. The budget for completion of these tasks is identified in Sound Transit's Adopted 2001 Budget construction for Tacoma Link (page 133). Total construction for Tacoma Link is budgeted at \$48,374,000. The budget shortfall of \$440,000 on this contract can be covered by the \$4,023,329 budget surplus gained from the Tacoma Link Light Rail construction contract (Motion 2000-114, as adopted by the Board on Feb. 8, 2001). With the budget developed for the Tacoma Link configuration as adopted by the Board, there is sufficient funding to complete the remaining work.

## **CONSEQUENCES OF DELAY**

Delay in approving this contract amendment would delay necessary reviews of contract submittals and requests for information by the contractor.

## **REGIONAL PARTNERSHIP AND COOPERATION**

N/A

## **PUBLIC INVOLVEMENT**

N/A

## **LEGAL REVIEW**

MBL 8/19/01

**SOUND TRANSIT**

**MOTION NO. M2001-82**

A motion of the Finance Committee of the Central Puget Sound Regional Transit Authority authorizing the Executive Director to execute a contract amendment with Otak to provide engineering services for the Tacoma Link Light Rail and Tacoma Maintenance Facility construction contracts in the amount of \$400,000 with a 10% contingency of \$40,000, for a total authorization amount not to exceed \$440,000 and a total contract amount of \$4,325,671.

**Background:**

Otak's original contract for engineering services during design and construction of Tacoma Link Light Rail was approved by M99-26 by the Finance Committee on June 17, 1999. During contract negotiations for this original contract, a place holder of \$128,969 for Bid and Construction support services was established, because at that time the exact scope of overall services was undefined. Staff expected to utilize the \$128,969 to bid and award the construction contracts and to begin construction within the engineering services scope of the original contract and then go back to the Finance Committee for approval of additional funds once a more detailed project scope and schedule was determined.

Otak began providing these bid services in June 2000 when Sound Transit advertised for the Tacoma Link Light Rail Line and Tacoma Maintenance Base construction contracts. Sound Transit has currently expended the original allocation of \$128,969 for the bidding and awarding phases of this project, as included in the original contract. Staff now has a detailed scope and schedule of engineering services for the remainder of the construction phase, and is requesting additional funds to support the 21 month construction contract of the Tacoma Link Light Rail.

This action authorizes Otak to continue to support construction management and the contractors to resolve field issues related to the design on both the Tacoma Link Light Rail and Maintenance Facility construction projects.

**Motion:**


It is hereby moved by the Finance Committee of the Central Puget Sound Regional Transit Authority that the Executive Director is authorized to execute a contract amendment with Otak to provide engineering services for the Tacoma Link Light Rail and Tacoma Maintenance Facility construction contracts in the amount of \$400,000 with a 10% contingency of \$40,000, for a total authorization amount not to exceed \$440,000 and a total contract amount of \$4,325,671.

APPROVED by the Finance Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on the 30<sup>th</sup> day of August, 2001.



Greg Nickels  
Finance Committee Chair

**ATTEST:**



Marcia Walker  
Board Administrator