

MOTION NO. M2014-78
Contract Amendment for Final Design Services for Tacoma Trestle Track & Signal Project

MEETING:	DATE:	TYPE OF ACTION:	STAFF CONTACT:
Capital Committee	10/09/2014	Recommendation to Board	Ahmad Fazel, DECM Executive Director
Board	10/23/2014	Final Action	Eric Beckman, Deputy Executive Director – Business & Construction Services Melissa Flores Saxe, Project Manager

PROPOSED ACTION

Authorizes the chief executive officer to execute a contract amendment with David Evans & Associates to provide final design engineering services for the Tacoma Trestle Track & Signal Project in the amount of \$7,076,388, with a 10% contingency of \$707,639 totaling \$7,784,027, for a new total authorized contract amount not to exceed \$12,131,796.

KEY FEATURES SUMMARY

- The design consultant will provide final design services to replace a single track wooden bridge with a new double track bridge along the Sounder commuter rail corridor in Tacoma, Washington.
- Final design services will include project management, geotechnical engineering, construction cost estimating, scheduling, public involvement, and environmental support.
- Sound Transit is coordinating with the Washington State Department of Transportation's (WSDOT) Rail Division and Amtrak to integrate their planned alterations at Freighthouse Square with this project. This contract amendment also includes final design services for the WSDOT platform extension, pending approval of Motion No. M2014-77 to receive reimbursement for this work from WSDOT.
- This contract amendment exercises the option for final design that was included in the original contract with David Evans & Associates.

BACKGROUND

The Tacoma Trestle Track & Signal Project covers the complete re-construction of track and structure upgrades along a 0.65-mile section from East C Street to East M Street in Tacoma. The project includes the replacement of the 100-year old single-track wooden trestle and steel girder bridge with a new double-track structure. Replacement of the trestle includes demolition and track removal of the existing bridge and trestle, upgrades to the embankment along the trestle, construction of new tracks and crossovers, construction of a new concrete viaduct, signal upgrades and erosion control. Service in the corridor will remain active throughout construction.

The Tacoma Trestle Track & Signal Project is included in the ST2 plan and is scheduled for completion in 2017. Sound Transit received a federal TIGER Grant in the amount of ten million dollars to increase track capacity to accommodate additional passenger and freight train operations.

Sound Transit and WSDOT have been working together on developing the design and operating requirements for a platform extension to be integrated to the Tacoma Trestle Track & Signal Project. The platform extension is a component of WSDOT Point Defiance By-Pass project at

Freighthouse Square Station in Tacoma and would be used by Amtrak's Coast Starlight train when it arrives at the future WSDOT Freighthouse Square Station.

Under a separate Board action, ST and WSDOT will be executing a cost reimbursement task order for the final design of the platform extension. Sound Transit will not begin final design on the platform extension until that agreement has been executed. WSDOT will also reimburse Sound Transit for any design changes to the trestle to support the platform extension if WSDOT does not approve funding of the construction, operations and maintenance of the platform extension.

Environmental review for the Tacoma Trestle project was completed with the State Environmental Policy Act (SEPA) Checklist and Determination of Non-Significance (DNS) issued July 16, 2014 and the Federal Transit Administration approved a National Environmental Policy Act (NEPA) Documented Categorical Exclusion (DCE) on April 14, 2014. Environmental review under NEPA and SEPA for the WSDOT platform extension was completed as part of the WSDOT and Federal Railroad Administration (FRA) February 2013 Point Defiance Bypass Environmental Assessment and Finding of No Significant Impact (FONSI) issued by FRA on March 1, 2013.

The contract with David Evans & Associates to provide conceptual engineering services was approved in July 2013 and preliminary engineering was approved in February 2014 for this project.

Under this contract amendment, David Evans & Associates will complete final design for the Tacoma Trestle Track & Signal Project that also includes the WSDOT passenger platform extension onto the new bridge structure.

The project recently completed preliminary engineering in August 2014 and the corresponding cost estimate forecast the project to be higher than the ST2 budget amount. The preliminary engineering costs indicates the project could be \$20-\$30 million higher than original ST2 estimates. The higher project costs are due to poor soil conditions (artesian and potential cultural historic materials) requiring more extensive sub-structure, right-of-way acquisition, wetland mitigation and elaborate construction phasing necessary to maintain service on the line during construction.

Sound Transit has conducted a value engineering and an independent consultant technical cost review of the preliminary engineering submittal and has assessed there are construction savings opportunities.

Project staff plans to bring an action to the Board in the second quarter of 2015 to baseline the project's schedule and budget after Sound Transit receives the 60% final design submittal.

FISCAL IMPACT

The amended Lifetime project budget for the Tacoma Trestle Track & Signal is \$34,554,000. Within that amount, \$10,374,000 has been set aside in the Final Design phase. This proposed action would commit \$6,401,044 to this line item and leave a remaining balance of \$3,792,956.

This contract included betterments to be reimbursed by WSDOT of \$1,382,983, makes the total contract with David Evans and Associates to be \$7,784,027. In accordance with agency policies, procedures, motions and resolutions the betterments are not included in the lifetime budget of the project as represented in the table below. The agreement on the reimbursement of the betterments from WSDOT is in the accompanying board motion.

Although this action is within the current adopted budget for final design, the current project estimates prepared during the PE efforts are in excess of the ST2 estimates and the amounts set aside within the agency long term finance plan for this project.

Tacoma Trestle

	Amended 2014 TIP	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Agency Administration	1,676	507		507	1,169
Preliminary Engineering	5,165	4,348		4,348	817
Final Design	10,374	-	6,401	6,401	3,973
Right of Way	11,914	345		345	11,569
Construction	-	-		-	-
Construction Services	5,425	-		-	5,425
Third Party Agreements	-	-		-	-
Vehicles	-	-		-	-
Total Current Budget	34,554	5,200	6,401	11,601	22,953

Phase Detail

Final Design

Final Design	10,374	-	6,401	6,401	3,973
Other Final Design					
Total Phase	10,374	-	6,401	6,401	3,973

Contract Detail

David Evans & Associates

	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
Contract Amount	3,953	3,953	7,076	11,029
Contingency Amount	395	395	708	1,103
Total Contract	4,348	4,348	7,784	12,132
Percent Contingency	10%	10%	10%	10%
Less Betterments	-	-	1,383	1,383
Sound Transit Share	4,348	4,348	6,401	10,749

Notes:

Amounts are expressed in Year of Expenditure \$000s.

Board Approvals = Committed To-Date + Contingency, and includes pending Board actions.

The amended 2014 TIP includes an accompanying budget amendment to the Lifetime and Annual budget.

Project budget page is located on page 51 of 198 of the Adopted 2014 Transit Improvement Plan (TIP).

SMALL BUSINESS/DBE PARTICIPATION AND APPRENTICESHIP UTILIZATION

Participation by Small Businesses and Disadvantaged Business Enterprises (DBEs)

Sound Transit promotes and encourages small business participation, which also includes Disadvantaged Business Enterprises (DBEs). Consistent with Sound Transit Policies and Federal Regulations, Sound Transit has established Small Business/DBE goals for this contract. These goals are based upon an examination of subcontracting opportunities contained in the work of this contract and the number of Small Businesses/DBEs available to perform such subcontracting work.

For this specific contract, the following goals were set and the successful Bidder/Proposer has committed to the following Small Business/DBE Participation:

Small Business and DBE Goals

Sound Transit Goal:

Small Business: 8%

DBE: 4%

Commitment:

Small Business: 11.29%

DBE: 4.45%

Subconsultant/Subcontractor	Business Type	% of Work	Amount
Clinkston Architects	Small Business	1.89%	\$215,496
DL Design Group, Inc.	DBE	.02%	\$2,083
EnviroIssues	DBE	2.50%	\$278,603
Historical Research Associates	Small Business	1.26%	\$143,082
K&J Consulting Services, Inc.	Small Business	1.41%	\$161,031
Lin & Associates	DBE	.06%	\$7,039
Michael Minor & Associates, Inc.	DBE	.62%	\$71,118
Vendors to Shannon & Wilson:			
Advanced Government Services	DBE	.06%	\$6,217
APS Locates	Small Business	.01%	\$1,360
ESN Northwest	Small Business	.09%	\$10,000
Holt Drilling	Small Business	2.06%	\$229,076
NVL Laboratories	DBE	.01%	\$1,520
On-Site Environmental, Inc.	DBE	.96%	\$107,565
Permanent Asphalt Repair, Inc.	Small Business	.01%	\$1,095
Pavement Services	Small Business	.13%	\$15,000
Washington Forestry Consultants	Small Business	.03%	\$3,000
Wetland Permitting Services	DBE	.28%	\$32,216
TOTAL CONTRACT SBE (including DBE)		11.29%	\$1,285,501

PUBLIC INVOLVEMENT

A public open house was held in February 2014 to introduce the conceptual engineering design concepts to the public and to receive customer feedback on the design concepts.

TIME CONSTRAINTS

A one month delay would create a significant impact to the project schedule.

PRIOR BOARD/COMMITTEE ACTIONS

Motion No. M2014-08: Authorized the chief executive officer to execute a contract amendment with David Evans and Associates to provide preliminary engineering services for the Tacoma Trestle Project in the amount of \$2,596,172 with a 10% contingency of \$259,617, totaling \$2,855,789, for a new total authorized contract amount not to exceed \$4,347,769, contingent upon Board approval of Resolution No. R2014-02 amending the Adopted 2014 Budget.

Motion No. M2013-47: Authorized the chief executive officer to execute a contract with David Evans & Associates to provide conceptual engineering services for the Tacoma Trestle Project in the amount of \$1,356,345, with a 10% contingency of \$135,635, for a total authorized contract amount not to exceed \$1,491,980.

ENVIRONMENTAL REVIEW

JI 8/6/2014

LEGAL REVIEW

LA 3 Oct 2014

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A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a contract amendment with David Evans & Associates to provide final design engineering services for the Tacoma Trestle Track & Signal Project in the amount of \$7,076,388, with a 10% contingency of \$707,639 totaling \$7,784,027, for a new total authorized contract amount not to exceed \$12,131,796.

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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 amendment with David Evans & Associates to provide final design engineering services for the Tacoma Trestle Track & Signal Project in the amount of \$7,076,388, with a 10% contingency of \$707,639 totaling \$7,784,027, for a new total authorized contract amount not to exceed \$12,131,796.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on October 23, 2014.


Paul Roberts
Board Vice Chair

ATTEST:


Marcia Walker
Board Administrator