

**MOTION NO. M2016-19**  
**Tacoma Trestle Construction Contract**

<b>MEETING:</b>	<b>DATE:</b>	<b>TYPE OF ACTION:</b>	<b>STAFF CONTACT:</b>
Capital Committee	2/11/2016	Recommend to Board	Ahmad Fazel, DECM Executive Director
Board	2/25/2016	Final Action	<b>Eric Beckman, Deputy Executive Director</b> Mark Johnson, Project Director <b>Tom Dean, Construction Manager</b>

**PROPOSED ACTION**

Authorizes the chief executive officer to execute a contract with Flatiron West, Inc. to provide construction services for the Tacoma Trestle Track & Signal Project in the amount of \$57,511,780, with a 10% contingency of \$5,751,178, for a total authorized contract amount not to exceed \$63,262,958.

**KEY FEATURES SUMMARY**

- The Tacoma Trestle Track and Signal Project will upgrade the current train track and trestle to create a new double-track trestle structure and upgrade the track and signals.
- Flatiron West, Inc. will construct a new bridge to accommodate double tracks including piles and pile caps, bridge columns, precast concrete and steel girders, retaining walls, track construction, railroad signals, roadway improvements, relocation of sanitary sewers, lighting and construction of a wetland mitigation on site.
- The contract scope of work also includes:
  - Construction of a new 650-foot long passenger platform extension to serve Amtrak long-distance trains with a connection to the existing Sounder platform on the north side of the of the tracks, with costs to be reimbursed by Washington State Department of Transportation (WSDOT) using ARRA funds;
  - Construction of an emergency exit stairway north of the platform;
  - Demolition and removal of an existing building on the parcel (RJ-020) along ‘G’ Street and 26<sup>th</sup> Street; and
  - Installation of landscaping along the perimeter of a parcel (RJ-020) along ‘G’ Street and 26<sup>th</sup> Street.
- The platform extension will include lighting, storm drainage, electrical and communication utilities, provisions for passenger canopies, hose bibs, CCTV and emergency call boxes. Work will be in and around wetlands.
- Coordination will be required with the WSDOT contractor constructing the Freighthouse Square station project that includes work on the tracks adjacent to the Tacoma Trestle tracks, work on the existing Sounder platform and work on the new south platform.
- The contract schedule is aggressive which is being driven by funding constraints associated with work incorporated for WSDOT.
- WSDOT has approached Sound Transit about adding additional work by change order.

**BACKGROUND**

The Tacoma Trestle Track & Signal Project will replace a 100-year old single-track wooden trestle with a modern double-track structure along a 0.65 mile section of the Sounder South Line from the Tacoma Dome Station to East M Street in Tacoma. The project will be constructed mostly along Sound Transit’s railroad right of way and above City of Tacoma public right of way over “G” Street, “J Street, and ‘L’ Street. 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 crossover, construction of a new concrete structure, signal upgrades, utility relocation and erosion control. Service in the corridor will remain active throughout construction.

The Tacoma Trestle Project is included in the ST2 plan and is scheduled for completion in 2018. Sound Transit received a TIGER Grant in the amount of \$10 million to advance the final design and construction phases of the project and to increase track capacity to accommodate additional passenger and freight train operations.

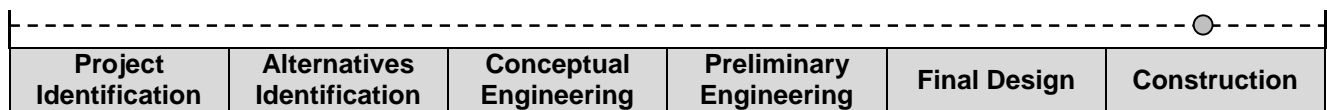
Sound Transit has been coordinating with WSDOT’s Rail Division to integrate alterations at Freighthouse Square with this project. Sound Transit and WSDOT executed a cost reimbursement agreement in 2015 for WSDOT to reimburse Sound Transit to complete design of the platform extension and a Construction and Maintenance Agreement between the two agencies has been established for reimbursement of all construction related costs. The platform extension will include canopies, closed circuit TV cameras, a variable message system, and lighting. The funding for the WSDOT portion of the work is ARRA funding, administered by the Federal Railroad Administration. This funding expires in the Federal 2018 budget year, October 2017 requiring all construction to be complete and billed in advance of that date. This funding requirement produces an aggressive construction schedule for the project.

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 approval of the National Environmental Policy Act (NEPA) Documented Categorical Exclusion (DCE) on April 14, 2014. Environmental review for the WSDOT platform extension was completed with the February 2013 Point Defiance Bypass Environmental Assessment, March 1, 2013. A Finding of No Significant Impact (FONSI) was issued by the Federal Railroad Administration (FRA), and the March 13, 2013 WSDOT Point Defiance Bypass DNS.

Sound Transit plans to construct the project in three phases. Sound Transit’s commuter rail operations will need to continue to operate on the wooden trestle. The first phase includes leaving the wooden trestle in operation while constructing the south bridge. The second phase of the project is a reroute of existing Sounder train operations to the new south bridge and demolition of the wooden trestle. The third phase of the project includes construction of the new north bridge and platform extension. Once all phases are complete, bridge and railroad signals will be certified for passenger and freight rail operations.

On November 17, 2015, an Invitation for Bid (IFB) was issued, and four bids were received on January 12, 2016. Flatiron West, Inc. was deemed the lowest responsive and responsible bidder. The low bid of \$57,511,780 is \$10,092,566 below the Engineer’s Estimate of \$67,604,346. Bid amounts ranged from \$49,900,000 to \$61,166,168. The apparent low bidder at bid opening was Walsh Construction. Walsh Construction submitted a claim of error on January 13, 2016, and requested withdrawal of their bid, which Sound Transit accepted.

**PROJECT STATUS**



Projected Completion Date for Construction Phase VI: 2Q 2018

Project scope, schedule and budget summary located on page 130 of the September 2015 Agency Progress Report.

**FISCAL INFORMATION**

This action is within the adopted budget and sufficient monies remain after approval of the action to fund the remaining work in the Construction phase as contained in the current cost estimates.

The lifetime budget in the 2016 Transportation Improvement Plan (TIP) for the Tacoma Trestle Track & Signal project is \$120,509,000. Within that amount \$81,641,000 has been set aside in the Construction phase. The proposed action would commit \$63,262,958 to this line item. Should the proposed action be approved, the Construction phase will have a remaining budget balance of \$17,243,100.

As discussed previously in the background of the staff report, a portion of the work being performed is under a reimbursement agreement with WSDOT. The reimbursement is dependent on schedule performance and completion of the work prior to the expiration of federal grant funding in October 2017. There is financial risk that work performed and paid by Sound Transit may not be reimbursed due to the expiration of funds. Project staff and WSDOT are diligent in mitigating that risk, but it continues to exist through the completion of the project.

**Tacoma Trestle Track & Signal**

	2016 TIP	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Agency Administration	4,086	1,944		1,944	2,142
Preliminary Engineering	4,497	4,240		4,240	257
Final Design	13,481	9,724		9,724	3,757
Third Party Agreements	1,077	871		871	206
Right of Way	10,061	6,032		6,032	4,029
Construction	81,641	1,135	63,263	64,398	17,243
Construction Services	5,666	5,351		5,351	315
Vehicles					
<b>Total Current Budget</b>	<b>120,509</b>	<b>29,296</b>	<b>63,263</b>	<b>92,559</b>	<b>27,950</b>

**Phase Detail**

**Construction**

Construction	77,818	1,135	63,263	64,398	13,420
Other Construction	3,823				3,823
<b>Total Phase</b>	<b>81,641</b>	<b>1,135</b>	<b>63,263</b>	<b>64,398</b>	<b>17,243</b>

**Contract Detail  
Flatiron West, Inc.**

	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
Contract Amount			57,512	57,512
Contingency Amount			5,751	5,751
<b>Total Contract</b>			<b>63,263</b>	<b>63,263</b>
Percent Contingency	0%	0%	10%	10%

Notes:

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

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

Project budget page is located on page 25 of 116 of the Proposed 2016 Transit Improvement Plan (TIP).

**SMALL BUSINESS/DBE PARTICIPATION AND APPRENTICESHIP UTILIZATION**

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 Disadvantaged Business Enterprise Goals

Sound Transit Goal:

Small Business: 6%  
DBE: 0%

Commitment:

Small Business: 7.91%  
DBE: 4.30%

Subconsultant/Subcontractor	Business Type	% of Work	Amount
1 Alliance Geomatics	DBE	.56%	\$324,000.00

Rebar International Inc.	DBE	3.74	\$2,152,630.00
Liberty Electric, LLC	SBE	3.61%	\$2,075,400.00
<b>Total</b>		<b>7.91%</b>	<b>\$4,552,030.00</b>

Apprentice Utilization Goal: 20%  
 Commitment: 20%

**PUBLIC INVOLVEMENT**

Sound Transit has conducted a number of public outreach activities including stakeholders meetings and the environmental outreach process. Sound Transit will continue to conduct public outreach throughout the construction phase of the project.

Sound Transit has conducted public open house meetings for the following design milestones:

- February 2014            Conceptual Engineering Design Public Meeting
- November 2014        30% Preliminary Engineering Design Public Meeting
- March 2015             60% Final Design Engineering Public Meeting

**TIME CONSTRAINTS**

A one-month delay would create a significant impact to the project schedule and could jeopardize FRA-administered federal funding that the Washington State Department of Transportation is relying upon to reimburse Sound Transit for the platform extension portion of the contract scope.

**PRIOR BOARD/COMMITTEE ACTIONS**

Motion No. M2015-75: Authorizes the chief executive officer to execute an amendment to the Washington State Department of Transportation Costs Reimbursement Agreement for final design for the platform extension for the Tacoma Trestle Track & Signal Project in the amount of \$1,119,033, with a 10% contingency of \$111,903 totaling \$1,230,936, for a new total authorized agreement amount not to exceed \$2,613,919.

Resolution No. R2015-11: Reauthorizes the acquisition of certain real property interests, including acquisition by condemnation, and to reimburse eligible relocation and re-establishment expenses incurred by affected owners and tenants as necessary for the Tacoma Trestle Project.

Resolution No. R2015-09: (1) Adopts the Tacoma Trestle Track & Signal Project baseline schedule and budget by (a) adopting May 2018 as the project completion milestone, (b) amending Adopted 2015 Project Lifetime Budget from \$34,554,000 to \$120,509,000, and (c) amending the Adopted 2015 Project Annual Budget from \$15,047,000 to \$20,996,000; and (2) approves Gate within Sound Transit’s Phase Gate Process.

**ENVIRONMENTAL REVIEW**

JI 2/3/2016

**LEGAL REVIEW**

JW 2/4/2016

## **MOTION NO. M2016-19**

A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a contract with Flatiron West, Inc. to provide construction services for the Tacoma Trestle Track & Signal Project in the amount of \$57,511,780, with a 10% contingency of \$5,751,178, for a total authorized contract amount not to exceed \$63,262,958.

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**MOTION:**

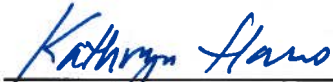
It is hereby moved by the Board of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a contract with Flatiron West, Inc. to provide construction services for the Tacoma Trestle Track & Signal Project in the amount of \$57,511,780, with a 10% contingency of \$5,751,178, for a total authorized contract amount not to exceed \$63,262,958.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on February 25, 2016.



Dow Constantine  
Board Chair

ATTEST:



Kathryn Flores  
Board Administrator