

**MOTION NO. M2012-26**
**Contract for Installation of Noise Barriers in the City of Tukwila for the Noise Abatement Project**

<b>MEETING:</b>	<b>DATE:</b>	<b>TYPE OF ACTION:</b>	<b>STAFF CONTACT:</b>	<b>PHONE:</b>
Capital Committee	5/10/2012	Final Action	Ahmad Fazel, DECM Executive Director <b>Jim Edwards, Deputy Executive Director, Design &amp; Engineering</b> <b>Barry Alavi, Project Manager</b>	206-398-5389 206-398-5436 206-398-5433

**PROPOSED ACTION**

Authorizes the chief executive officer to execute a contract with PCL Civil Constructors, Inc., to install Type 1 noise barriers along the Link guideway in the City of Tukwila for the Noise Abatement Project in the amount of \$733,000, with a 10% contingency of \$73,300, for a total authorized contract amount not to exceed \$806,300.

**KEY FEATURES**

- In October 2011, the Board authorized a task order with King County to install a steel bracing system on the light rail guideway in the City of Tukwila. A procurement was conducted to select a contractor to complete the installation of the Type 1 noise barriers, which will be done after King County's work is complete.
- The Type 1 noise barriers will be installed for approximately 2700 feet along the guideway near the Duwamish River on the existing support and bracing system that was installed by King County.
- Under this contract, PCL Civil Constructors, Inc. would install the Type 1 noise barriers to ensure long term compliance with Federal Transit Administration (FTA) noise criteria and ensure compliance with the 2004 Unclassified Use Permit issued by the City of Tukwila authorizing the construction of the Initial Segment within Tukwila.
- This action authorizes phase three of the project. A three phase approach was used to reduce overall project duration and costs:
  - Phase one, which was completed in January 2012, procured and fabricated the steel bracing system.
  - Phase two, which will be completed in June 2012 by King County Metro, attached the steel bracing system to track plinths.

**PROJECT DESCRIPTION**

The Noise Abatement Project includes design and construction of a noise wall along the elevated guideway in Tukwila. In addition to noise mitigation along the guideway, the Residential Sound Insulation Program (RSIP) will continue for impacted residences in the Rainier Valley.

## FISCAL INFORMATION

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

### Project Budget

Noise Abatement	2012 TIP	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Agency Administration	1,000	160		160	840
Preliminary Engineering	-	-		-	-
Final Design	60	39		39	21
Right of Way	-	-		-	-
Construction	8,750	832	806	1,638	7,112
Construction Services	3,190	2,679		2,679	511
Third Party Agreements	-	-		-	-
Vehicles	-	-		-	-
<b>Total Current Budget</b>	<b>13,000</b>	<b>3,711</b>	<b>806</b>	<b>4,517</b>	<b>8,483</b>

### Phase Detail

#### Construction

Noise Wall	2,970	749	806	1,555	1,415
Other Construction	5,780	83		83	5,697
<b>Total Phase</b>	<b>8,750</b>	<b>832</b>	<b>806</b>	<b>1,638</b>	<b>7,112</b>

### Contract Detail

	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
Contract Amount	-	-	733	733
Contingency	-	-	73	73
<b>Total</b>	<b>-</b>	<b>-</b>	<b>806</b>	<b>806</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 is located on page 41 of the 2012 Transit Improvement Plan (TIP).

## SMALL BUSINESS PARTICIPATION

Sound Transit Goal: 10%

Commitment: 10%

PCL Civil Constructors is the prime contractor. The following Small Business and DBE subcontractors will be utilized:

Subcontractors	Business Type	% of Work	Dollar Value
Garner Construction	DBE	8.6%	\$63,038
Rebar International	DBE	1.1%	\$ 8,274
KT Contracting Co.	DBE	0.3%	\$ 2,000
<b>Total</b>		<b>10%</b>	<b>\$73,312</b>

## EQUAL EMPLOYMENT WORKFORCE PROFILE

177 employees; 19% women; 14% minorities.

## **BACKGROUND**

In fall 2008, Sound Transit determined that light rail noise levels along some sections of the elevated guideway in Tukwila exceeded the noise level guidelines established by the FTA for the project. Noise levels in Tukwila were reduced to below the FTA requirements through the use of Type 2 noise barriers, rail grinding, and track lubrication. As agreed with the City of Tukwila, Sound Transit is installing 2700 feet of Type 1 noise barriers in the vicinity of the Duwamish River because noise levels are close to the FTA guidelines (within 3 decibels). Type 1 barriers mitigate noise levels where the highest number of previously impacted residences are located.

Modifications to the original construction were required in order to accommodate additional structural covers due to wind on an increased number of noise barriers. The structural modifications were completed by King County. The final phase of the work will be completed by PCL Civil Constructors, Inc., (In March of 2012 ST received a total of six bids, PCL Civil Constructors Inc. was the lowest bidder) when they install the noise barriers into the steel braces affixed by King County.

## **ENVIRONMENTAL COMPLIANCE**

JI 3/27/12

## **PRIOR BOARD/COMMITTEE ACTIONS**

Resolution No. R2011-14: (1) Waived competitive bidding requirements for the Phase 2 work due to special facilities and market conditions, and (2) authorized the chief executive officer to execute a task order under the King County Operating Agreement to install a steel bracing system for new noise walls along the Initial Segment project guideway in the City of Tukwila in the amount of \$498,600, with a 10% contingency of \$49,900, for a total authorized task order amount not to exceed \$548,500.

## **TIME CONSTRAINTS**

A one month delay would not create a significant impact to the project schedule.

## **PUBLIC INVOLVEMENT**

Not applicable to this action.

## **LEGAL REVIEW**

LA 5/4/12

**MOTION NO. M2012-26**

A motion of the Capital Committee of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a contract with PCL Civil Constructors, Inc., to install Type 1 noise barriers along the Link guideway in the City of Tukwila for the Noise Abatement Project in the amount of \$733,000, with a 10% contingency of \$73,300, for a total authorized contract amount not to exceed \$806,300.

**BACKGROUND:**

In fall 2008, Sound Transit determined that light rail noise levels along some sections of the elevated guideway in Tukwila exceeded the noise level guidelines established by the FTA for the project. Noise levels in Tukwila were reduced to below the FTA requirements through the use of Type 2 noise barriers, rail grinding, and track lubrication. As agreed to with the City of Tukwila, Sound Transit is installing 2,700 feet of Type 1 noise barriers in the vicinity of the Duwamish River because noise levels are close to the FTA guidelines (within 3 decibels). Type 1 barriers mitigate noise levels where the highest number of previously impacted residences are located.

Modifications to the original construction were required in order to accommodate additional structural covers due to wind on an increased number of noise barriers. The structural modifications were completed by King County.

In March of 2012 ST received a total of six bids, PCL Civil Constructors Inc. was the lowest bidder.

The final phase of the work will be completed by PCL Civil Constructors, Inc., when they install the noise barriers into the steel braces affixed by King County. The installation will ensure long term compliance with Federal Transit Administration (FTA) noise criteria and ensure compliance with the 2004 Unclassified Use Permit issued by the City of Tukwila authorizing the construction of the Initial Segment within Tukwila.


**MOTION:**

It is hereby moved by the Capital Committee of the Central Puget Sound Regional Transit Authority that the chief executive officer is authorized to execute a contract with PCL Civil Constructors, Inc., to install Type 1 noise barriers along the Link guideway in the City of Tukwila for the Noise Abatement Project in the amount of \$733,000, with a 10% contingency of \$73,300, for a total authorized contract amount not to exceed \$806,300.

APPROVED by the Capital Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on May 10, 2012.

  
Fred Butler  
Capital Committee Chair

ATTEST:

  
Marcia Walker  
Board Administrator