

MOTION NO. M2012-25
Contract for I-5 Embankment Repair within the Central Link Initial Segment Project

MEETING:	DATE:	TYPE OF ACTION:	STAFF CONTACT:	PHONE
Capital Committee	5/10/12	Final Action	Ahmad Fazel, DECM Executive Director Henry Cody, Principal Construction Manager	206-398-5389 206-398-5377

PROPOSED ACTION

Authorizes the chief executive officer to execute a contract with Nordic Construction, Inc. to provide construction services to repair the embankment along I-5 in Tukwila within the Central Link Initial Segment project in the amount of \$337,676, with a 10% contingency of \$33,768, for a total authorized contract amount not to exceed \$371,444.

KEY FEATURES

- Under this contract, Nordic Construction, Inc. will repair an area of highway embankment along the west side of the I-5 south off-ramp to Southcenter Boulevard in Tukwila.
- The original embankment was reconstructed as part of Sound Transit's Central Link Initial Segment project. The embankment failure occurred in January 2009 during heavy rains. The embankment was not immediately repaired due to causation disagreements between WSDOT and Sound Transit. No litigation was involved since the embankment was constructed per plans using native materials.
- The work includes installing temporary traffic control, removal and replacement of glare screens and guard rails, erosion control, excavation of the failed embankment, installation of a toe drain, replacement of materials with armor rock, and landscape restoration.
- Reconstruction of this embankment will prevent future embankment failures at this location.

PROJECT DESCRIPTION

The 14-mile Central Link Initial Segment of the light rail system connecting Tukwila with downtown Seattle opened in 2009. The 2012 Adopted Budget provides funds for final tasks to complete follow-on work items including property restoration and systems acceptance, and close out of the project.

WSDOT has authority of the right of way where the embankment repair is taking place. The embankment failure occurred in 2009. Immediate inspections by WSDOT and Sound Transit revealed that the embankment was not in danger of further failure, but required repair due to the original failure. Both WSDOT and Sound Transit visually monitored the embankment while working to reach an agreement as to the reason for the failure and the extent of repair necessary.

FISCAL INFORMATION

The 2012 Adopted Budget includes funding for the proposed I-5 embankment repair as follow-on work required to complete the Initial Segment project.

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

Project Budget

Initial Segment	2012 TIP	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Agency Administration	185,810	185,635		185,635	175
Preliminary Engineering	33,269	33,269		33,269	(0)
Final Design	144,057	144,000		144,000	57
Right of Way	206,529	205,229		205,229	1,300
Construction	1,233,338	1,229,432	371	1,229,803	3,535
Construction Services	102,725	102,979		102,979	(254)
Third Party Agreements	61,469	61,920		61,920	(451)
Vehicles	131,803	131,802		131,802	1
Total Current Budget	2,099,000	2,094,267	371	2,094,639	4,361

Phase Detail

Construction	2012 TIP	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Construction Miscellaneous	15,000	9,840	371	10,211	4,789
Other Construction	1,218,338	1,219,592		1,219,592	(1,254)
Total Phase	1,233,338	1,229,432	371	1,229,803	3,535

Contract Detail

	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
Contract Amount			338	338
Contingency			34	34
Total	-	-	371	371
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 38 of the 2012 Transit Improvement Plan (TIP).

"Shortfalls" to the 2012 TIP for Construction Services and Third Party phases of the Initial Segment project result from "Board Approvals" amounts that include unused funds authorized for allocated contract contingencies that will be decommitted as these contracts complete.

SMALL BUSINESS PARTICIPATION

Sound Transit Goal: 6%

Commitment: 100%

Nordic Construction is a small business and will self-perform the work.

EQUAL EMPLOYMENT WORKFORCE PROFILE

23 employees; 22% women; 35% minorities.

BACKGROUND

This action would authorize repair of an area approximately 210 feet long by 60 feet wide of failed embankment along the west side of I-5 South off-ramp to South Center Boulevard in Tukwila.

The original embankment was constructed using native soils. The failure was attributed by geotechnical engineers to excessive rains and run-off weakening the embankment in this location. As part of the reconstruction, armor rock will be used to provide additional support. This repair method was recommended by a geotechnical consultant and was used successfully elsewhere on the alignment to repair similar failures.

WSDOT has approved the proposed fix and the City of Tukwila has amended an existing sensitive area permit to allow this work.

This contract was competitively bid. In April 2012, Sound Transit received three bids. Nordic was determined to be the lowest, responsive responsible bidder. The engineer's estimate is \$335,735.

ENVIRONMENTAL COMPLIANCE

JI 5/4/12

TIME CONSTRAINTS

This work must be completed in dry weather with construction anticipated to occur during summer 2012. A one month delay could push construction out to the fall and potentially wet weather.

PUBLIC INVOLVEMENT

Not applicable to this action.

LEGAL REVIEW

JN 5/4/12

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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 Nordic Construction, Inc. to provide construction services to repair the embankment along I-5 in Tukwila within the Central Link Initial Segment project in the amount of \$337,676, with a 10% contingency of \$33,768, for a total authorized contract amount not to exceed \$371,444.

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