

**MOTION NO. M2012-65**
**Contract Amendment for Additional Funds to Support Design Services During Construction for the University Link Project**

<b>MEETING:</b>	<b>DATE:</b>	<b>TYPE OF ACTION:</b>	<b>STAFF CONTACT:</b>	<b>PHONE:</b>
Capital Committee	09/12/12	Recommendation to Board	Ahmad Fazel, Executive Director	206-398-5389
Board	09/27/12	Final Action	<b>Joe Gildner, Executive Project Director (ULink)</b> <b>John Sleavin, Deputy Project Director, East Link</b>	206-689-3350 206-398-5150

**PROPOSED ACTION**

Authorizes the chief executive officer to execute a contract amendment with Northlink Transit Partners, Joint Venture, to provide additional design services during construction for the University Link Project in the amount of \$8,004,410, for a new total authorized contract amount not to exceed \$63,067,679.

**KEY FEATURES**

- Additional work is needed due to unforeseen work and support needs that have developed during the course of construction. Some of this unanticipated work is associated with the following:
  - Differing site conditions acknowledged with the excavation and support of portions of the Capitol Hill Station (CHS) and one cross passage,
  - Ground borne vibration monitoring and mitigation for train operations supporting tunnel/cross passage activities in areas between the University of Washington Station (UWS) and CHS,
  - Design modifications for the UWS and CHS finishes based on contractor constructability comments,
  - Inspection and monitoring during tunnel operations required by WSDOT and City of Seattle, and
  - Design of the special trackwork in the Downtown Seattle Transit Tunnel (DSTT) for future light rail operations both north and east of the DSTT.
- The amount requested is forecasted to be sufficient to complete DSDC work for U-Link.

**PROJECT DESCRIPTION**

U-Link is a light rail extension that is part of the *Sound Move* package of transit projects in the Sound Transit district. U-Link is a 3.15-mile northward extension from the existing terminus in downtown Seattle to the University of Washington Station with an intermediate station at Capitol Hill. The alignment is located entirely underground with twin tunnels starting from Pine Street Stub Tunnel in downtown Seattle, continuing under the I-5 freeway to an underground station at Capitol Hill (CHS), continuing north beneath SR-520 and the Lake Washington Ship Canal to an underground station (UWS) on the University of Washington campus, near Husky Stadium and the University of Washington Medical Center.

## FISCAL INFORMATION

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

### PROJECT TABLE

University Link	2012 TIP	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Agency Administration	115,229	51,152		51,152	64,077
Preliminary Engineering	24,261	24,261		24,261	-
Final Design	87,633	77,193	8,004	85,197	2,436
Right of Way	152,332	126,528		126,528	25,804
Construction	1,158,183	720,293		720,293	437,890
Construction Services	95,814	81,489		81,489	14,324
Third Party Agreements	18,646	11,915		11,915	6,731
Vehicles	103,909	99,185		99,185	4,724
<b>Total Current Budget</b>	<b>1,756,007</b>	<b>1,192,016</b>	<b>8,004</b>	<b>1,200,021</b>	<b>555,986</b>

#### Phase Detail

##### Final Design

Civil DSDC	15,028	9,723	8,004	17,728	(2,700)
Other Final Design	71,085	67,470		67,470	3,616
FD Unallocated Contingency	1,520	-		-	1,520
<b>Total Phase</b>	<b>87,633</b>	<b>77,193</b>	<b>8,004</b>	<b>85,197</b>	<b>2,436</b>

#### Contract Detail

Contract Detail	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
Contract Amount	53,805	54,648	8,004	61,809
Contingency	1,259	415	-	1,259
<b>Total</b>	<b>55,063</b>	<b>55,063</b>	<b>8,004</b>	<b>63,068</b>
Percent Contingency	2%	1%	0%	2%
Less Northgate Link Extension	3,189	3,189	-	3,189
<b>Total University Link</b>	<b>51,875</b>	<b>51,875</b>	<b>8,004</b>	<b>59,879</b>

<b>Budget Shortfall</b>	2,700
Surplus Budget Other FD	1,200
FD Unallocated Contingency	1,500
<b>Total Funding</b>	<b>2,700</b>

#### 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 36 of the 2012 Transit Improvement Plan (TIP).

## SMALL BUSINESS PARTICIPATION

Sound Transit Goal: 20%  
Commitment: 20%

Northlink Transit Partners (NTP) is committed to a 20% Small Business goal. To date, NTP has achieved 20.11% small business participation. For this amendment it is anticipated that the small business participation will be 7.66%. Small business participation is expected to be 18.11% at the conclusion of the contract.

The subconsultants/subcontractors to be utilized under this amendment are only firms that are providing additional services, as reflected below.

<b>Subconsultant/Subcontractor</b>	<b>Business Type</b>
Aspect	Small Business
Bright Engineering	DBE
Grijalva Engineers	DBE
JTS	DBE
LightWire	DBE
Lin & Associates	Small Business
Moniz	Small Business
Swift & Company	DBE
Wilson Ihrig	Small Business

## **EQUAL EMPLOYMENT WORKFORCE PROFILE**

1,250 employees; 24.11% women; 21.43% minorities.

## **BACKGROUND**

U-Link final design began in December 2006, following Board approval of the U-Link civil engineering and architectural final design services contract with NTP. The NTP contract scope of work was divided into three phases: early work, final design, and DSDC. Early work tasks included evaluating revised station entrance configurations, value engineering recommendations, and other ideas for reducing project costs, advancing station architectural work, and other pre-final design activities. Final design work to advance the U-Link project from 30% to 100% design was completed in 2009.

In November 2008, Motion No. M2008-106 amended the contract to add funding for bid support and DSDC of the U-Link Project. The contract was also amended in April 2009 through Motion No. M2009-34 to add funding for advanced preliminary engineering of the North Link extension. In 2011, Motion No. M2011-10 amended the contract to redesign the Montlake pedestrian bridge, contingent on the Montlake Triangle Project Memorandum of Agreement being approved.

Currently, the construction phase of the project is approximately 50% complete. In the course of construction, there were some DSDC tasks that were either unforeseen or have required additional engineering support. Some of the tasks include the following:

- Additional site observations, documentation, and reporting for geotechnical special inspections required by the City of Seattle;
- Additional site observations, instrumentation monitoring/documentation and reporting for WSDOT for work associated with the undercrossings in both the I-5 and SR-520 corridors;
- Additional engineering services to address ground/structure interaction issues during the construction of the four pits in the I-5 corridor in advance of tunneling below the lanes of I-5;
- Additional engineering (e.g. civil and acoustical) to address complaints from property owners associated with audible ground borne vibration from the train operations supporting tunnel/cross passage construction;
- Engineering design for the DSTT turnback track analysis to accommodate future expanded light rail service both north and east of downtown Seattle;
- Additional engineering support (e.g. civil, mechanical, electrical, architecture) during the preconstruction phase for the General Contractor/Construction Manager contracts (i.e. Contracts U240/U250/U830);
- Additional engineering to coordinate the CHS facility with the First Hill Streetcar Project;
- Support for change management, disputes resolution, and claims negotiations;

- Additional services to adjust the CHS site layout to accommodate a future community street festival; and
- Additional services to coordinate site layouts between the UWS and renovation of the UW Husky Stadium.

## **ENVIRONMENTAL COMPLIANCE**

JI 8/13/2012

## **PRIOR BOARD/COMMITTEE ACTIONS**

Motion No. M2011-12: Authorized the chief executive officer to execute a contract amendment with North Link Transit Partners, Joint Venture to redesign the Montlake Pedestrian Bridge for the University Link project in the amount of \$1,534,000, for a new total authorized contract amount not to exceed \$55,063,269, contingent upon approval of the Montlake Triangle Project Memorandum of Agreement.

Motion No. M2009-34: Authorized the chief executive officer to execute a contract amendment with North Link Transit Partners, Joint Venture for additional funding in order to provide Early Work (Advanced Preliminary Engineering) on the North Link extension from the University of Washington Station (to the portal for the North Link tunnels near Interstate 5 and NE 76th Street in the amount of \$2,898,800, with a contingency of \$289,880 totaling \$3,188,680, for a new total authorized contract amount not to exceed \$53,529,269.

Motion No. M2008-106: Authorized the chief executive officer to execute a contract amendment with North Link Transit Partners, Joint Venture to provide bid support and design services during construction for the University Link project in the amount of \$10,479,900, with a contingency of \$968,660 totaling \$11,456,954, for a new total authorized contract amount not to exceed \$50,340,589.

Motion No. M2006-78: Authorized the chief executive officer to execute a contract with North Link Transit Partners, Joint Venture to provide civil engineering and architectural final design services for the University Link project for a total authorized contract amount not to exceed \$38,883,635 with final design work subject to Federal Transit Administration final design approval.

## **TIME CONSTRAINTS**

A one month delay could be accommodated by reducing or delaying submittals and RFI reviews while still meeting the contract commitment dates for those items.

## **PUBLIC INVOLVEMENT**

Sound Transit staff held a number of station design workshops, project open houses, and other meetings involving property owners, neighborhood and business groups, and other interested parties throughout the University Link study area during the final design process.

Sound Transit will continue an active community outreach program during University Link construction including the use of a 24 hour-a-day construction hotline, periodic community construction meetings, the use of a variety of written and electronic communication materials and other outreach activities. The NTP team will continue to provide design resources to assist Sound Transit in future outreach activities.

## **LEGAL REVIEW**

LA, 7 September 2012

## **MOTION NO. M2012-65**

A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a contract amendment with Northlink Transit Partners, Joint Venture, to provide additional design services during construction for the University Link Project in the amount of \$8,004,410, for a new total authorized contract amount not to exceed \$63,067,679.

### **BACKGROUND:**

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Currently, the construction phase of the project is approximately 50% complete. In the course of construction, there were some DSDC tasks that were either unforeseen or have required additional engineering support. Some of the tasks include the following:

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- Additional engineering (e.g. civil and acoustical) to address complaints from property owners associated with audible ground borne vibration from the train operations supporting tunnel/cross passage construction;
- Engineering design for the DSTT turnback track analysis to accommodate future expanded light rail service both north and east of downtown Seattle;
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- Additional services to coordinate site layouts between the UWS and renovation of the UW Husky Stadium.

The amount requested is forecasted to be sufficient to complete DSDC work for U-Link.

**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 amendment with Northlink Transit Partners, Joint Venture, to provide additional design services during construction for the University Link Project in the amount of \$8,004,410, for a new total authorized contract amount not to exceed \$63,067,679.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on September 27, 2012.



Pat McCarthy  
Board Chair

ATTEST:



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Marcia Walker  
Board Administrator