

MOTION NO. M2016-44

Amend Contract with LTK Engineering Services, LLC for the Northgate Link Extension Systems Final Design and Design Services During Construction

MEETING:	DATE:	TYPE OF ACTION:	STAFF CONTACT:
Capital Committee	04/14/2016	Recommend to Board	Ahmad Fazel, DECM Executive Director
Board	04/28/2016	Final Action	Don Davis, Executive Project Director – Northgate Link Extension Julie Marshall, Corridor Design Manager – Systems

PROPOSED ACTION

Authorizes the chief executive officer to amend the contract with LTK Engineering Services, LLC for systems final design services and design services during construction for the Northgate Link Extension in the amount of \$7,861,000 for a new total authorized contract amount not to exceed \$30,542,872.

KEY FEATURES SUMMARY

- The proposed action will amend the contract by \$1,000,000 for additional Systems Final Design services to cover unanticipated changes. These services included:
 - Planning and perturbation testing for Magnetic Field/EMI prediction models for LRV operations;
 - Design of systems elements for the Northgate Station Parking Garage;
 - Preconstruction Services in support of the GCCM contractor;
 - Design of scope revisions necessary to ensure coordination of contract interfaces with the N180 Trackwork contractor; and
 - Design of access control scope revisions necessary for coordination between the civil and systems design contracts.
- The proposed action also amends the contract by \$6,861,000 for Systems Design Services During Construction (DSDC), including submittal reviews and systems coordination, for the following contract packages:
 - N140 – University District Station;
 - N150 – Roosevelt Station;
 - N160 – Northgate Station;
 - N180 – Northgate Track Contract;
 - N830/E750 – Systems Contract; and
 - Northgate Magnetic Field/EMI Pre-Certification and Certification test program development.

BACKGROUND

Northgate Link extends light rail 4.3-miles from the University of Washington Station north under the campus via twin bored tunnels to an underground U District Station along Brooklyn Avenue NE between NE 43rd and NE 45th Streets, an underground Roosevelt Station along 12th Avenue NE between NE 65th Street and NE 67th Street, and continuing to an elevated station in Northgate along 1st Avenue NE spanning NE 103rd Street. The Northgate Link Extension is scheduled to be completed in September 2021 and will provide an interim terminus for Link at Northgate until the Lynnwood Link Extension is in service, currently anticipated in 2023. In June 2012, the Sound Transit Board baselined the Northgate Link Extension’s schedule and budget.

In June 2007, LTK Engineering Services, LLC (LTK) was selected to perform final design for the systems work elements of the University Link Extension. When the construction of the systems work was started, LTK's contract was amended to add DSDC to their scope of work. The contract with LTK permitted the inclusion of final design services for the Northgate Link project if their prior work on U-Link was satisfactory. When the Northgate Link project was ready for the systems work to move into the final design phase, it was determined that LTK should be awarded that work because of their performance on U-Link and also because of the benefits to the Northgate Link project due to the continuity of the design work through these two adjacent projects. In January 2011, a change order was executed allowing LTK to perform final design services on the Northgate Link Project. This action will carry LTK's services on Northgate Link into the construction phase.

FISCAL INFORMATION

The current contract with LTK Engineering Services has a total authorized amount not to exceed \$22,681,872. Within this amount, the total authorized value for Northgate Link Extension is \$6,862,000, and the total authorized value for University Link Extension is \$15,819,872. The proposed action will increase the amount for Northgate Link Extension by \$7,861,000 for a new total authorized value to \$14,723,000, and increase the total contract to a revised authorized contract amount not to exceed \$30,542,872.

This action is within the adopted budget and sufficient monies remain after approval of the action to fund the remaining work in the Final Design phase as contained in the current cost estimates of this project. Use of Final Design phase unallocated contingency is not required for this action.

The lifetime budget in the 2016 Transportation Improvement Plan (TIP) for the Northgate Link Extension is \$1,899,755,500. Within that amount:

- \$7,510,555 has been set aside for Systems Final Design in the Final Design phase. The proposed action would increase the commitment of \$6,510,555 for this line item by \$1,000,000 to a revised total commitment of \$7,510,555 and leave no remaining balance for this budget line item.
- \$7,227,345 has been set aside for Systems Design Services during Construction (DSDC) in the Final Design phase. The proposed action would increase the commitment of \$351,445 for this line item by \$6,861,000 to a revised total commitment of \$7,212,445 and leave a remaining balance of \$14,900 for this budget line item. A Working Budget Transfer was authorized in March 2016 to move early DSDC work in the amount of \$352,345 that had been performed under the final design contract from Systems Final Design to this budget line item.

Northgate Link Extension	2016 TIP	Board		Board	Uncommitted /
		Approvals	This Action	Approved Plus Action	(Shortfall)
Agency Administration	147,879	60,963		60,963	86,916
Preliminary Engineering	15,077	15,077		15,077	0
Final Design	129,167	114,164	7,861	122,025	7,142
Right of Way	127,300	93,061		93,061	34,239
Construction	1,328,023	542,090		542,090	785,933
Construction Services	118,310	91,115		91,115	27,194
Third Party Agreements	11,800	9,930		9,930	1,870
Vehicles	-	-		-	-
Contingency	22,200	-		-	22,200
Total Current Budget	1,899,756	926,400	7,861	934,261	965,495

Phase Detail

Final Design

Systems Final Design	7,511	6,511	1,000	7,511	-
Systems DSDC	7,227	351	6,861	7,212	15
Other Final Design	114,429	107,302		107,302	7,127
Total Phase	129,167	114,164	7,861	122,025	7,142

Contract Detail

LTK Engineering Services

	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
Contract Amount	20,620	21,759	7,861	28,481
Contingency	2,062	923	-	2,062
Total	22,682	22,682	7,861	30,543
Percent Contingency	10%	4%	0%	7%
Less University Link Extension	15,820	15,820	-	15,820
Total Northgate Link Extension	6,862	6,862	7,861	14,723

Notes:

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

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

2016 TIP = Northgate Link Extension project budget located on page 20 of the Adopted 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: 0%

DBE: 0%

Commitment:

Small Business: 18%

DBE: 18%

Commitment to Date:

Small Business: 18.54%

DBE: 18.54%

PUBLIC INVOLVEMENT

Not applicable to this action

TIME CONSTRAINTS

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

PRIOR BOARD/COMMITTEE ACTIONS

Motion No. M2010-96: Authorized the chief executive officer to execute a contract amendment with LTK Engineering Services, LLC to (1) provide additional systems engineering final design services for the University Link project and (2) exercise an option for design services during construction in the amount of \$5,360,000, with a 10% contingency of \$536,000, totaling \$5,896,000, for a new total authorized contract amount not to exceed \$22,681,872.

Motion No. M2010-95: Authorized the chief executive officer to exercise an option with LTK Engineering Services, LLC to provide systems engineering final design services for the North Link – UW Station to Northgate project in the amount of \$6,239,000, with a 10% contingency of \$623,900, totaling \$6,862,900, for a new total authorized contract amount not to exceed \$16,785,872.

Motion No. M2009-65: Authorized the chief executive officer to execute a contract amendment with LTK Engineering Services, LLC to provide additional systems engineering final design work, design services during construction, and light rail vehicle inspection and test support services required for the University Link project in the amount of \$1,579,576, with a contingency of \$158,023, totaling \$1,737,599, for a new total authorized contract amount not to exceed \$9,922,972.

Motion No. M2008-52: Authorized the chief executive officer to execute a contract amendment with LTK Engineering Services to complete systems design and contract documents to the Issue-for-Bid level (100%) for the University Link project in the amount of \$844,357, with a 10% contingency of \$84,436 totaling \$928,793, for a new total authorized contract amount not to exceed \$8,185,373.

Motion No. M2007-51: Authorized the chief executive officer to execute a contract with LTK Engineering Services, LLC to provide systems engineering final design services for the University Link Project in the amount of \$6,596,891 with a 10% contingency of \$659,989, for a total authorized contract amount not to exceed \$7,256,580.

ENVIRONMENTAL REVIEW

JI 4/1/2016

LEGAL REVIEW

LA 7 April 2016

MOTION NO. M2016-44

A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to amend the contract with LTK Engineering Services, LLC for systems final design services and design services during construction for the Northgate Link Extension in the amount of \$7,861,000 for a new total authorized contract amount not to exceed \$30,542,872.

BACKGROUND:

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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 amend the contract with LTK Engineering Services, LLC for systems final design services and design services during construction for the Northgate Link Extension in the amount of \$7,861,000 for a new total authorized contract amount not to exceed \$30,542,872

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on April 28, 2016.


Dow Constantine
Board Chair

ATTEST:


Kathryn Flores
Board Administrator