



Motion No. M2020-19

Contract amendment with LTK Engineering Services for the East Link Extension

Meeting:	Date:	Type of action:	Staff contact:
System Expansion Committee	03/12/2020	Final action	Ron Lewis, DECM Executive Director Mike Bell, Project Director – East Link Extension Shaw Lynds, Corridor Design Manager – Systems

Proposed action

Authorizes contingency for the East Link Systems Final Design contract with LTK Engineering Services to provide increased design support during construction services for the East Link Extension in the amount of \$3,000,000, for a new total authorized contract amount not to exceed \$27,361,805.

Key features summary

- This action provides additional funding for design support during construction (DSDC) that was not anticipated in the original budget. These design needs include:
 - Changes identified by Sound Transit as a result of value engineering proposals from the systems contractor.
 - Changes related to Connect 2020 work which reduced rider impacts by single-tracking during tie-in construction.
 - Systems Integration Testing support prior to revenue service.
 - Expedited civil-coordinated shop drawings to help maintain construction schedule.
 - Increased responses to requests for information from the civil contractor due to coordinated systems changes.

Background

East Link Extension extends light rail 14 miles from downtown Seattle to downtown Bellevue and the Overlake area of Redmond via I-90, with stations serving Rainier Avenue/I-90, Mercer Island, South Bellevue, Downtown Bellevue, Overlake Hospital, the Bel-Red Corridor, Overlake Village, and the Overlake Transit Center. The East Link project route, profiles, and station locations were selected by the Sound Transit Board on July 28, 2011, and amended on April 25, 2013. In April 2015, the Sound Transit Board established the baseline budget and schedule for the project. Revenue service between Seattle and the Overlake Transit Center is forecasted for 2023.

In September 2012, LTK Engineering Services was selected through a competitive procurement to perform final design for the Systems work elements of the East Link Extension. In April 2016, the final design contract was amended to include DSDC for all systems design elements on the East Link project. DSDC work includes items such as the review of contractor submittals, response to contractor requests for information (RFIs), special inspections, coordination of permit requirements and other engineering and architectural design efforts as needed to support the construction activities.

In December 2016, the Systems construction contract negotiations required a large number of owner directed design changes to reach an agreed upon price. Then in April 2018 the East Link Extension tie-in method was changed from full shutdown to the Connect 2020 automated single tracking. These changes resulted in a significant number of System drawings being changed, primarily in the communications, system wide electrical, and IDS sections, all of which required coordination with the ongoing civil contracts.

In March 2019, the Downtown Bellevue to Spring District civil contractor identified that the development of coordinated shop drawing of civil and systems conduits was affecting the critical path of station completion requiring additional levels of DSDC support to mitigate the schedule impact.

Project status

○					
Project Identification	Alternatives Identification	Conceptual Engineering/ Draft EIS	Preliminary Engineering/ Final EIS	Final Design	Construction

Projected completion date for East Link Systems construction: Q4 2021

Project scope, schedule and budget summary are located on page 55 of the December 2019 Agency Progress Report.

Procurement information

A request for qualifications (RFQ) was advertised on February 29, 2012. Two statements of qualifications (SOQ) were submitted by interested teams. The SOQs were reviewed and evaluated for responsiveness to the criteria in the RFQ. LTK Engineering Services was deemed most qualified. A Cost Plus Fixed Fee type contract was determined appropriate for the purposes for A&E services. On September 4th 2012, Sound Transit entered into Contract AE 0027-12 with LTK Consulting Services, INC dba LTK Engineering Services as the firm selected to perform final design for the Systems work elements of the East Link Extension. The contract also includes an option for Systems Design Services During Construction (DSDC) including submittal reviews and systems coordination for the following contract packages:

- E130 - Seattle IDS to South Bellevue
- E320 - South Bellevue
- E330 - Downtown Bellevue Tunnel
- E335 - Downtown Bellevue to Spring District
- E340 - Bel-Red
- E360 - SR520 to Overlake Village Station
- E750 - Systems Contract

Sound Transit exercised the option to add DSDC services with Change Order 003 effective July 6, 2016.

Fiscal information

This action is within the baseline budget 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.

The baseline budget for the East Link Extension project is \$3,677,150,000. Within the final design phase, \$12,217,000 has been allocated to the budget line item for DSDC Systems. The proposed action would commit \$3,000,000 as contingency to this line item and leave a remaining budget balance of \$2,762,000.

East Link Extension

(in thousands)	Total Baseline Budget	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Administration	\$186,200	\$89,698	\$	\$89,698	\$96,502
Preliminary Engineering	55,900	54,776		54,776	1,124
Final Design	283,000	254,174	3,000	257,174	25,826
Third Parties	52,150	39,276		39,276	12,874
Right of Way	298,150	270,953		270,953	27,197
Construction	2,544,300	2,305,589		2,305,589	238,711
Construction Services	257,450	214,912		214,912	42,538
Total Current Budget	\$3,677,150	\$3,229,379	\$3,000	\$3,232,379	\$444,771

Phase Detail - Final Design

DSDC Systems	\$12,217	\$6,455	\$3,000	\$9,455	\$2,762
Other Final Design Phase Work	270,783	247,719		247,719	23,064
Total Phase	\$283,000	\$254,174	\$3,000	\$257,174	\$25,826

LTK Engineering Services	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
Agreement Amount	\$23,794	\$23,794		\$23,794
Contingency	567	567	3,000	3,567
Total Contract Amount	\$24,362	\$24,362	\$3,000	\$27,362
Percent Contingency	2%	2%	100%	15%

Notes:

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

* Board Approvals = Commitment and PO Contingency Remaining as of 1/31/20.

For detailed project information, see page 69 of the 2020 Financial Plan & Proposed Budget.

Disadvantaged and Small Business Participation

Performance to Date:

Disadvantaged and Small Business Goals	
Sound Transit small business goal: 11%	Small business commitment: 25%
DBE goal: 2%	DBE commitment: 25%

Subconsultant/Subcontractor	Business Type	% of Work	Amount
Triunity	DBE	29.3%	\$330k
Romar7	DBE	14.9%	\$167k
Total		44.2%	\$497k

Time constraints

A one month delay would not have a significant impact on the project.

Prior Board/Committee actions

Motion No. M2016-49: Authorized the chief executive officer to execute a contract amendment with LTK Engineering Services, Inc. to provide design services during construction for the East Link Extension in the amount of \$6,455,000 for a new total authorized contract amount not to exceed \$24,361,805.

Motion No. M2013-49: Authorized the chief executive officer to execute a contract amendment with LTK Engineering Services, to provide final design services for the East Link Extension systems design in support of a turn-back track at the International District Station in the amount of \$199,098, for a total authorization contract amount not to exceed \$17,906,805.

Motion No. M2012-48: Authorized the chief executive officer to execute a contract with LTK Engineering Services, LLC to provide systems engineering final design services for East Link for a total authorized contract amount not to exceed \$17,707,707.

Environmental review – KH 2/24/20

Legal review – JSA 3/4/20

Motion No. M2020-19

A motion of the System Expansion Committee of the Central Puget Sound Regional Transit Authority authorizing contingency for the East Link Systems Final Design contract with LTK Engineering Services to provide increased design support during construction services for the East Link Extension in the amount of \$3,000,000, for a new total authorized contract amount not to exceed \$27,361,805.

Background

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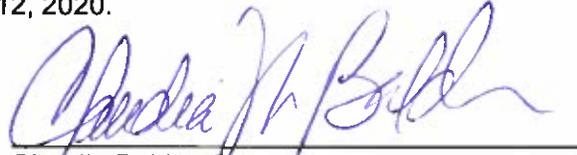
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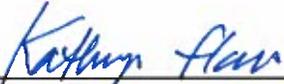
It is hereby moved by the System Expansion Committee of the Central Puget Sound Regional Transit Authority that contingency is authorized for the East Link Systems Final Design contract with LTK Engineering Services to provide increased design support during construction services for the East Link Extension in the amount of \$3,000,000, for a new total authorized contract amount not to exceed \$27,361,805.

APPROVED by the System Expansion Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on March 12, 2020.



Claudia Balducci
System Expansion Committee Chair

Attest:



Kathryn Flores
Board Administrator