

**MOTION NO. M2016-49**
**Contract Amendment for Systems Design Services During Construction for the East Link Extension**

<b>MEETING:</b>	<b>DATE:</b>	<b>TYPE OF ACTION:</b>	<b>STAFF CONTACT:</b>
Capital Committee	05/12/2016	Recommend to Board	Ahmad Fazel, DECM Executive Director
Board	05/26/2016	Final Action	<b>Ron Lewis, Executive Project Director – East Link Extension</b> <b>Craig DeLalla, Corridor Design Manager – Systems</b>

**PROPOSED ACTION**

Authorizes 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.

**KEY FEATURES SUMMARY**

- The proposed action would amend the contract by \$6,455,000 to exercise the design contract option to provide 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
- The systems design consultant will work with agency staff and the construction management team to help ensure seamless design coordination throughout the construction project. The DSDC support work will extend through East Link revenue service forecasted for 2023.

**BACKGROUND**

East Link 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 to perform final design for the Systems work elements of the East Link Extension. The Systems Contract Package, currently approaching the 100% submittal, includes design of signals, traction electrification, traction power stations, overhead catenary systems (OCS), communications, and supervisory control and data acquisition (SCADA) systems across 14 miles of light rail service. The Systems DSDC support begins with the E330 Downtown Bellevue tunnel project that is now underway.

## PROJECT STATUS

Project Identification	Alternatives Identification	Conceptual Engineering	Preliminary Engineering	Final Design	Construction
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Projected Completion Date for the Construction Phase: Q1 2021

Project scope, schedule and budget summary located on page 51 of the February 2016 Link Light Rail Progress Report.

## FISCAL INFORMATION

This action is within the Adopted Budget and sufficient funds remain after approval of this action to fund the remaining work in the Final Design Phase as contained in the current cost estimates.

East Link Extension	2016 TIP	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Agency Administration	186,200	44,248	0	44,248	141,952
Preliminary Engineering	55,900	55,113	0	55,113	787
<b>Final Design</b>	<b>283,000</b>	<b>231,925</b>	<b>6,455</b>	<b>238,380</b>	<b>44,620</b>
Third Parties	52,150	28,409	0	28,409	23,741
Right of Way	298,150	148,503	0	148,503	149,647
Construction	2,544,300	407,555	0	407,555	2,136,745
Construction Services	257,450	128,703	0	128,703	128,747
Vehicles	0	0	0	0	0
<b>Total Current Budget</b>	<b>3,677,150</b>	<b>1,044,456</b>	<b>6,455</b>	<b>1,050,911</b>	<b>2,626,239</b>

  

Phase Detail - Final Design					
Systems FD (LTK)	20,000	17,907	0	17,907	2,093
DSDC Systems (LTK)	12,217	0	6,455	6,455	5,762
Other Final Design Phase Work	250,783	214,018	0	214,018	36,765
<b>Total Phase</b>	<b>283,000</b>	<b>231,925</b>	<b>6,455</b>	<b>238,380</b>	<b>44,620</b>

  

LTK Engineering Services, Inc.				
Contract Detail	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
Contract Amount	17,907	17,907	6,455	24,362
Contingency	0	0	0	0
<b>Total Contract Amount</b>	<b>17,907</b>	<b>17,907</b>	<b>6,455</b>	<b>24,362</b>
Percent Contingency	0%	0%	0%	0%

### Notes:

Project budget is located on page 24 of the 2016 Adopted Transit Improvement Plan.  
 Amounts are expressed in Year of Expenditure \$000s.  
 Board Approvals to Date includes amounts through March 31, 2016 plus any pending Board Actions.  
 Board Approvals = Committed to-date + Contingency.

The 2016 Lifetime Adopted Budget for East Link Extension project is \$3,677,150,000. Within that amount, \$283,000,000 has been set aside for the Final Design Phase. Out of that amount \$231,925,142 has been committed for the Final Design Phase including \$17,906,805 that has been committed for LTK Engineering Service, Inc. to provide systems engineering final design services for the East Link Extension project.

The proposed action would commit additional \$6,455,000 to LTK Engineering Services, Inc. contract for a new total authorized contract amount not to exceed \$24,361,805 to provide design services during construction for East Link Extension project leaving the remaining uncommitted budget of \$44,619,858 in the Final Design Phase.

## **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: 10.5%

DBE: 5.35%

Commitment:

Small Business: 10.5%

DBE: 5.35%

Performance to Date:

Small Business: 26.19%

DBE: 24.77%

## **PUBLIC INVOLVEMENT**

Not applicable to this action.

## **TIME CONSTRAINTS**

While the civil E330 Downtown Bellevue tunnel construction is now underway a one-month delay would not create a significant impact to the project schedule.

## **PRIOR BOARD/COMMITTEE ACTIONS**

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**

JI 4/28/2016

## **LEGAL REVIEW**

LA 6 May 2016

**MOTION NO. M2016-49**

A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing 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.

**BACKGROUND:**

East Link 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.

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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 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.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on May 26, 2016.



Dow Constantine  
Board Chair

ATTEST:

  
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Kathryn Flores  
Board Administrator