

MOTION M2017-136

**Increase Contingency for Tacoma Link Extension Final Design Services and Amend Contract to Add Design Services During Construction**

MEETING:	DATE:	TYPE OF ACTION:	STAFF CONTACT:
Capital Committee	11/09/2017	Recommend to Board	Ahmad Fazel, DECM Executive Director
Board	11/16/2017	Final Action	<b>Madeleine Greathouse, Project Director, Tacoma Link Extension</b> <b>Brian Patton, Corridor Design Manager, Tacoma Link Extension</b>

PROPOSED ACTION

Authorizes the chief executive officer to amend the contract with HDR Engineering, Inc. for the Tacoma Link Extension by (1) increasing the contract contingency for Final Design services in the amount of \$306,414, and (2) amending the contract for Design Services During Construction in the amount of \$2,045,317, for a combined total amount of \$2,351,731, for a new total authorized contract amount not to exceed \$10,325,177.

KEY FEATURES SUMMARY

- This proposed action adds contingency funds for final design services and exercises the contract option for design services during construction (DSDC).
- The additional contingency will address design refinements and tasks (both anticipated and potential changes) associated with Final Design to include:
  - Resolving City of Tacoma comments to the 60 percent design submittal and subsequent incorporation into the 90 percent design;
  - Finalizing functional planning at the Operations and Maintenance Facility following value analysis design adjustments; and
  - Implementing design refinements and maintenance of traffic requirements related to input from Sound Transit and third parties relative to the 90 percent design milestone package submittal.
- The proposed action will also exercise the option to provide DSDC. This scope of services for DSDC includes:
  - Technical support to respond to Requests for Information (RFI);
  - Development of Issue for Bid (IFB) documents, clarifications and addenda; and
  - Submittal reviews, RFI responses and civil/systems design coordination.
- DSDC will commence in Q1 2018 upon advertisement of the construction package IFB.
- The design consultant will work with agency staff and the construction management team to help ensure seamless design coordination throughout the duration of the construction work. The DSDC support work will extend through Tacoma Link revenue service forecasted for May 2022.

BACKGROUND

The Tacoma Link Extension is a 2.4-mile extension of light rail from the Theater District in downtown to the Hilltop neighborhood in Tacoma. The extension will travel at-grade, in-street with traffic along Stadium Way, North 1st Street, Division Avenue, and Martin Luther King Jr. Way. The project includes six new stations, relocates the Theater District Station, expands the existing Tacoma Operations and Maintenance Facility (OMF), and provides for additional light rail vehicles.

The Sound Transit Board selected the project route, stations, and operations and maintenance facility expansion site on November 19, 2015. In September 2017, the Sound Transit Board established the baseline budget and schedule for the project. Revenue service for the extension is forecast for May 2022.

In July 2016, the Board authorized a contract with HDR Engineering, Inc. to perform final design of all civil, systems and architectural elements to construct the extension. Final design began in September 2016 and the work is currently at 90 percent design submittal.

**PROJECT STATUS**

<b>Project Identification</b>	<b>Alternatives Identification</b>	<b>Conceptual Engineering</b>	<b>Preliminary Engineering</b>	<b>Final Design</b>	<b>Construction</b>
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Projected Completion Date for Final Design: 1Q 2018  
 Project scope, schedule, and budget summary located on page 65 of the August 2017 Link Light Rail Program Progress Report.

**PROCUREMENT INFORMATION**

This Change Order was reviewed and the proposed Scope of Work was determined to be within the Scope of the original Contract. The rates proposed by HDR Engineering are consistent with the rates approved for use under this Contract.

**FISCAL INFORMATION**

The baseline project allocation for the Tacoma Link Extension is \$217,346,000. Within that amount \$10,830,083 has been allocated for the final design phase. The proposed action would commit an additional \$2,351,731 to this phase, leaving a remaining uncommitted budget balance of \$505,207.

This action is within the authorized project allocation to date and sufficient monies remain after approval of this action to fund the remaining work in the construction phase.

**Tacoma Link Extension**

(in thousands)

Project Phase	Authorized Project Allocation		This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
	to Date	Board Approvals			
Agency Administration	\$16,948	\$4,945	\$	\$4,945	\$12,003
Preliminary Engineering	5,559	5,559		5,559	(0)
Final Design	10,830	7,973	2,352	10,325	505
Third Party	1,466	1,156		1,156	310
Right of Way	3,555	1,773		1,773	1,782
Construction	121,829			0	121,829
Construction Services	9,891	526		526	9,365
Vehicles	35,377	32,175		32,175	3,202
System Testing & Start-Up	5,326			0	5,326
Contingency	6,565			0	6,565
<b>Total Current Budget</b>	<b>\$217,346</b>	<b>\$54,107</b>	<b>\$2,352</b>	<b>\$56,459</b>	<b>\$148,996</b>
<b>Phase Detail - Final Design</b>					
Final Design Services	\$8,474	\$7,973	\$306	\$8,280	\$194
Design Services During Construction	\$2,050		\$2,045	\$2,045	\$5
Other Final Design	307				\$307
<b>Total Phase</b>	<b>\$10,830</b>	<b>\$7,973</b>	<b>\$2,352</b>	<b>\$10,325</b>	<b>\$505</b>

HDR Engineering, Inc. Contract Detail	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
Contract Amount - Final Design Services	\$7,594	\$7,973	\$	\$7,973
Contract Amount - DSDC	-	-	\$2,045	\$2,045
Contingency	380		306	306
<b>Total Contract Amount</b>	<b>\$7,973</b>	<b>\$7,973</b>	<b>\$2,352</b>	<b>\$10,325</b>
Percent Contingency	5%	0%	0%	4%

**Notes:**

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

Board Approvals = Committed To-Date + Contingency as of September 2017, and includes pending Board actions.

For detailed project information, see page 19 of the Adopted 2017 Transit Improvement Plan (TIP).

**SMALL BUSINESS/DBE PARTICIPATION AND APPRENTICESHIP UTILIZATION**

**Participation by Small Businesses and Disadvantaged Business Enterprises (DBEs)**

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 HDR Engineering, Inc. has committed to the following Small Business/DBE Participation:

Small Business and Disadvantaged Business Enterprise Goals

Sound Transit Goal:

Small Business: 8%

DBE: 5%

For this contract, the following Small Business/DBE Participation commitments were made:

Small Business: 15%

DBE: 8.5%

HDR Engineering, Inc. has achieved 32.4% small business participation and 16.4% in DBE participation on work to date. Under this amendment, Sound Transit continues to promote and encourage small business participation. Small Business/DBE subcontracting opportunities will be identified as work is developed.

PUBLIC INVOLVEMENT

Not applicable to this section.

TIME CONSTRAINTS

Timely action is required to ensure the designer of record continues to be available to support the completion of final design and the preparation of Issue for Bid construction documents in Q1 2018.

PRIOR BOARD/COMMITTEE ACTIONS

Motion No. M2016-77: Authorized the chief executive officer to execute a contract with HDR Engineering, Inc. to provide civil and systems final design services for the Tacoma Link Expansion in the amount of \$7,593,758, with a 5% contingency of \$379,688, for a total authorized contract amount not to exceed \$7,973,446.

ENVIRONMENTAL REVIEW

KH 11/3/17

LEGAL REVIEW

AJP 11/3/17

## MOTION NO. M2017-136

A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to amend the contract with HDR Engineering, Inc. for the Tacoma Link Extension by (1) increasing the contract contingency for Final Design services in the amount of \$306,414, and (2) amending the contract for Design Services During Construction in the amount of \$2,045,317, for a combined total amount of \$2,351,731, for a new total authorized contract amount not to exceed \$10,325,177.

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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 HDR Engineering, Inc. for the Tacoma Link Extension by (1) increasing the contract contingency for Final Design services in the amount of \$306,414, and (2) amending the contract for Design Services During Construction in the amount of \$2,045,317, for a combined total amount of \$2,351,731, for a new total authorized contract amount not to exceed \$10,325,177.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on November 16, 2017.



Dave Somers  
Board Chair

**ATTEST:**



Kathryn Flores  
Board Administrator