



## Motion No. M2020-32

### Increase Contract Contingency with HDR Engineering, Inc. for the Hilltop Tacoma Link Extension

Meeting:	Date:	Type of action:	Staff contact:
System Expansion Committee	06/11/2020	Final action	Ron Lewis, DECM Executive Director <b>Madeleine Greathouse, Project Director – Hilltop Tacoma Link Extension</b>

### Proposed action

Authorizes the chief executive officer to increase the contract contingency with HDR Engineering Inc. for design services during construction for the Hilltop Tacoma Link Extension project in the amount of \$1,000,000 for a new total authorized contract amount not to exceed \$13,297,980, contingent upon Board approval of Resolution No. R2020-12.

### Key features summary

- HDR Engineering Inc. is the designer of record for the Hilltop Tacoma Link Extension.
- This action is needed to provide continued design services during construction (DSDC) support through substantial completion of the construction contract. The scope of services for DSDC includes:
  - Technical support to respond to Requests for Information (RFI) from the construction contractor;
  - Review of contractor submittals; civil/systems design coordination; and coordination with City of Tacoma regarding design revisions associated with infrastructure located in City right of way.
- The requested action is needed due to increased level of effort and duration of construction. Completion has been extended as a result of extensive utility relocation redesigns associated with numerous differing site conditions, obstructions, and contaminated and hazardous materials encountered throughout the course of the work.
- The construction contract is 54 percent complete and construction substantial completion is forecasted for 1Q 2022.

### Background

The Hilltop 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.

Revenue service for the extension is forecast for May 2022.

Substantial completion of the construction contract has experienced delays due to extensive challenges associated with utility relocation work as a result of differing site conditions, unidentified utility conflicts

and increased quantities of contaminated and hazardous materials. Delays to the construction contract extend the period for which design support during construction services are required.

In July 2016 through Motion No. M2016-77, the Board authorized a contract with HDR Engineering, Inc. to perform final design of civil, systems and architectural elements to construction the Hilltop Tacoma Link Extension. Final design began in September 2016 and was completed in February 2018. The Board authorized a contract modification in November 2017 through Motion No. M2017-136 for final design services associated with completion of the 90 percent design submittal and exercised the planned contract option for design services during construction. The Invitation to Bid for the construction contract was issued in March 2018 with Notice to Proceed issued in August 2018.

In July 2019 through Motion No. M2019-70, the Board authorized an increase to the contract contingency to provide for additional level of effort to support ongoing mitigation efforts and redesigns resulting from differing site conditions encountered during the utility relocation work.

**Project status**

○					
<b>Project Identification</b>	<b>Project Refinements</b>	<b>Conceptual Engineering/ Environmental Review</b>	<b>Preliminary Engineering</b>	<b>Final Design</b>	<b>Construction</b>

Projected completion date for Construction: 1Q 2022

Project scope, schedule and budget summary are located on page 95 of the March 2020 Agency Progress Report Capital Programs.

**Procurement information**

A Request for Qualification (RFQ) for of procurement professional services to perform final design of the Tacoma Link Expansion project, with an option for design services during construction, was advertised on February 23, 2016. Sound Transit received seven Statement of Qualifications (SOQs) on March 23, 2016. Sound Transit reviewed and evaluated the SOQs per the criteria in the RFQ.

Based on these evaluations, three submitters were invited to interview. HDR Engineering, Inc. was determined to be the highest ranked firm based on qualifications and was invited to enter into negotiations for the contract. Notice of Award letter was issued on July 28, 2016 to contractor for AE160-15 Tacoma Link Expansion Final Design.

**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.

Upon approval of the R2020-12, the authorized project allocation for the Hilltop Tacoma Link Extension is \$252,746,000. Within the final design phase, \$5,020,141, has been allocated to Civil DSDC for final

design services. The action would commit \$1,000,000 to this line item and leave no remaining budget balance

**Hilltop Tacoma Link Extension**

(in thousands)

Project Phase	Baseline Budget	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Agency Administration	\$21,578	\$12,283	\$	\$12,283	\$9,295
Preliminary Engineering	5,559	5,559		5,559	0
Final Design	14,098	12,798	1,000	13,798	300
Third Party	1,466	1,396		1,396	70
Right of Way	2,270	2,189		2,189	82
Construction	156,696	154,697		154,697	1,998
Construction Services	12,361	11,489		11,489	872
Vehicles	33,392	33,255		33,255	137
System Testing + Startup	5,326	1,534		1,534	3,792
<b>Total Current Budget</b>	<b>\$252,746</b>	<b>\$235,201</b>	<b>\$1,000</b>	<b>\$236,201</b>	<b>\$16,545</b>
<b>Phase Detail - Final Design</b>					
Civil DSDC	5,020	4,020	1,000	5,020	0
Other Final Design	9,078	8,778		8,778	300
<b>Total Phase</b>	<b>\$14,098</b>	<b>\$12,798</b>	<b>\$1,000</b>	<b>\$13,798</b>	<b>\$300</b>

Contract Detail	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
<b>HDR Engineering, Inc.</b>				
Contract Amount - Final Design Services	\$7,594	\$8,278	\$	\$8,278
Contingency - Final Design Services	\$380	\$		\$
Contract Amount - DSDC	2,045	\$3,832		\$3,832
Contingency - DSDC	2,279	188	\$1,000	\$1,188
<b>Total Contract</b>	<b>\$12,298</b>	<b>\$12,298</b>	<b>\$1,000</b>	<b>\$13,298</b>
Percent Contingency	28%	2%	100%	10%

**Notes:**

Amounts are expressed in Year of Expenditure \$000s.  
 Board Approvals = Commitment and PO Contingency Remaining as of 6/4/2020.  
 For detailed project information, see page 91 in the 2020 Finance Plan and Adopted Budget Book.

**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 were 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:

<b>Small business and disadvantaged business enterprise (DBE) goals</b>	
Sound Transit small business goal: 8%	Small business commitment: 15%
DBE goal: 5%	DBE commitment: 8.5%

## **Public involvement**

Not applicable to this action.

## **Time constraints**

A one-month delay could impact timely resolution requiring design support of construction issues for activities on the construction contract's critical path.

## **Prior Board/Committee actions**

Motion No. M2019-70: Authorized the chief executive officer to increase the contract contingency with HDR Engineering, Inc. to provide additional civil design support during construction services for the Hilltop Tacoma Link Extension in the amount of \$1,972,803, for a new total authorized contract amount not to exceed \$12,297,980, contingent upon Board approval of Resolution No. R2019-18.

Motion No. M2017-136: Authorized 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 \$1,045,317, for a combined total amount of \$2,351,731, for a new total authorized contract amount not to exceed \$10,325,177.

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.

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**Environmental review** – LS 6/4/2020

**Legal review** – JSA 6/8/20



## Motion No. M2020-32

A motion of the System Expansion Committee of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to increase the contract contingency with HDR Engineering Inc. for design services during construction for the Hilltop Tacoma Link Extension project in the amount of \$1,000,000 for a new total authorized contract amount not to exceed \$13,297,980, contingent upon Board approval of Resolution No. R2020-12.

### Background

The Hilltop 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.

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In July 2016 through Motion No. M2016-77, the Board authorized a contract with HDR Engineering, Inc. to perform final design of civil, systems and architectural elements to construction the Hilltop Tacoma Link Extension. Final design began in September 2016 and was completed in February 2018. The Board authorized a contract modification in November 2017 through Motion No. M2017-136 for final design services associated with completion of the 90 percent design submittal and exercised the planned contract option for design services during construction. The Invitation to Bid for the construction contract was issued in March 2018 with Notice to Proceed issued in August 2018.

In July 2019 through Motion No. M2019-70, the Board authorized an increase to the contract contingency to provide for additional level of effort to support ongoing mitigation efforts and redesigns resulting from differing site conditions encountered during the utility relocation work.

HDR Engineering Inc. is the designer of record for the Hilltop Tacoma Link Extension. This action is needed to provide continued design services during construction (DSDC) support through substantial completion of the construction contract. The scope of services for DSDC includes:

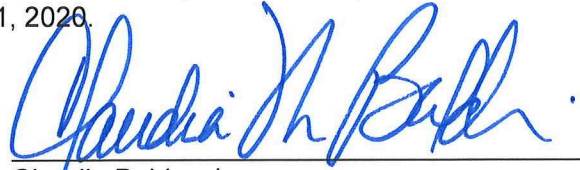
- Technical support to respond to Requests for Information (RFI) from the construction contractor;
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**Motion**

It is hereby moved by the System Expansion Committee of the Central Puget Sound Regional Transit Authority that the chief executive officer is authorized to increase the contract contingency with HDR Engineering Inc. for design services during construction for the Hilltop Tacoma Link Extension project in the amount of \$1,000,000 for a new total authorized contract amount not to exceed \$13,297,980, contingent upon Board approval of Resolution No. R2020-12.

APPROVED by the System Expansion Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on June 11, 2020.



Claudia Balducci  
System Expansion Committee Chair

**Attest:**



Kathryn Flores  
Board Administrator