

Motion No. M2019-70

Increase Contract Authority for HDR Engineering, Inc. for the Hilltop Tacoma Link Extension

Meeting:	Date:	Type of action:	Staff contact:
System Expansion Committee	07/11/2019	Final Action	Ron Lewis, DECM Executive Director Madeleine Greathouse, Project Director - Hilltop Tacoma Link Extension

Proposed action

Authorizes 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.

Key features summary

- This contingency increase would provide additional design services required for project scope elements such as additional mitigation requirements for conflicts with existing street lighting system and redesign of utility infrastructure as a result of differing site conditions during construction of the work.
- There has been more extensive design support required than estimated for submittal reviews, responses to contractor questions/Requests for Information (RFIs) and incorporation of design revisions and enhancements into the construction contract documents.
- Includes monies for additional design services during construction to support betterments requested by the City of Tacoma during construction. Betterment costs will be reimbursed by the City of Tacoma per the terms of the Funding Agreement.

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.

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 was completed in February 2018. The Board authorized a contract modification in November 2017 for final design services associated with completion of the 90 percent design submittal and

exercised the contract option for design services during construction. The Invitation to Bid was issued in March 2018 with Notice to Proceed issued in August 2018.

Project status

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

Projected completion date for Construction: 2Q 2022

Project scope, schedule and budget summary are located on page 85 of the April 2019 Link Light Rail Program Progress Report.

Procurement information

A Request for Qualification (RFQ) of final design to perform civil engineering, railway engineering, mechanical engineering, electrical engineering, structural engineering, systems engineering, OMF design, architectural design, drafting, modeling, environmental, community outreach, design and project integration was advertised on February 23, 2016. Sound Transit received seven Statement of Qualifications (SOQs) on March 23, 2016. The SOQ’s were reviewed and evaluated per the criteria in the RFQ: Project Understanding and Approach, Knowledge and Experience of Key Individuals, Capacity and Project Organization, Firm Experience and History and Good Faith Efforts and Commitment to DBE’s and Small Businesses.

Based on these evaluation, three submitters were invited to interview. HDR Engineering, Inc. team was determined to be the highest ranked firm based on qualification and was invited to enter into negotiations for the contract.

Fiscal information

Pending the approval of resolution R2019-18 for budget transfers between phases, 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 Hilltop Tacoma Link Extension is \$217,346,000. Within the final design phase, \$4,018,120 has been allocated to the budget line item for civil design services during construction (DSDC). The proposed action would commit additional \$1,972,803 to this line item and leave a remaining budget balance of \$0.

Hilltop Tacoma Link Extension

(in thousands)

Project Phase	Project Baseline	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Agency Administration	\$16,948	\$9,107	\$	\$9,107	\$7,841
Preliminary Engineering	5,559	5,559		5,559	0
Final Design	12,798	10,669	1,973	12,642	157
Third Party	1,466	1,396		1,396	70
Right of Way	2,270	2,189		2,189	82
Construction	130,125	122,443		122,443	7,682
Construction Services	10,291	9,419		9,419	872
Vehicles	32,792	31,257		31,257	1,535
Project Contingency	5,097	0		0	5,097
Total Current Budget	\$217,346	\$192,039	\$1,973	\$194,012	\$23,334
Phase Detail - Final Design					
Civil DSDC	\$4,018	\$2,045	\$1,973	\$4,018	\$
Other Final Design	8,780	8,624		8,624	157
Total Phase	\$12,798	\$10,669	\$1,973	\$12,642	\$157

Contract Detail	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
HDR Engineering, Inc.				
Contract Amount - Final Design Services	\$7,594	\$8,278	\$	\$7,594
Contingency - Final Design Services	\$380	\$2		380
Contract Amount - DSDC	2,045	\$1,859		2,045
Contingency - DSDC	306	186	1,973	2,279
Total Contract	\$10,325	\$10,325	\$1,973	\$12,298
Percent Contingency	7%	2%	100%	28%

Notes:

Amounts are expressed in Year of Expenditure \$000s.
 Board Approvals = Commitment and PO Contingency Remaining as of 6/27/19.
 For detailed project information, see page 162 of the 2019 Adopted Budget.

Small business 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 the successful Bidder/Proposer has committed to the following small business/DBE participation:

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

For this contract, the following small business/DBE Participation commitments were made:

Subconsultant/Subcontractor	Business Type	% of Work	Amount
Concord Engineering	DBE	3.00%	\$46,808
FSI	SBE	2.00%	\$33,896
Tri-Unity TEM	DBE	5.30%	\$88,961
Waterleaf	SBE	11.20%	\$200,930
Total		21.50%	\$370,595

Public involvement

Not applicable to this section.

Time constraints

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

Prior Board/Committee actions

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 \$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.

Motion No. M2017-33: Authorized the chief executive officer to execute a Funding Agreement with the City of Tacoma for the Tacoma Link Expansion Project.

Environmental review – KH 6/3/19

Legal review – JW 7/3/19



Motion No. M2019-70

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. 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.

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.

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.

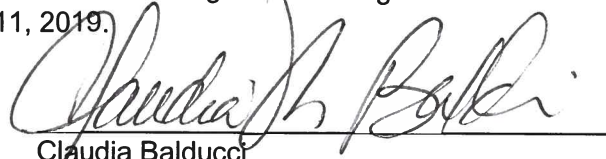
In July 2016, the Board authorized a contract with HDR Engineering, Inc. to perform final design of all civil, systems and architectural elements to construct the extension. Final design began in September 2016 and was completed in February 2018. The Board authorized a contract modification in November 2017 for final design services associated with completion of the 90 percent design submittal and exercised the contract option for design services during construction. The Invitation to Bid was issued in March 2018 with Notice to Proceed issued in August 2018.

This contingency increase would provide additional design services required for project scope elements such as additional mitigation requirements for conflicts with existing street lighting system and redesign of utility infrastructure as a result of differing site conditions during construction of the work. There has been more extensive design support required than estimated for submittal reviews, responses to contractor questions/Requests for Information (RFIs) and incorporation of design revisions and enhancements into the construction contract documents. Includes monies for additional design services during construction to support betterments requested by the City of Tacoma during construction. Betterment costs will be reimbursed by the City of Tacoma per the terms of the Funding Agreement.

Motion

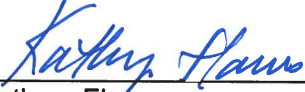
It is hereby moved by the System Expansion Committee of the Central Puget Sound Regional Transit Authority that the chief executive officer is authorized to increase the contract contingency with HDR Engineering, Inc. to provide additional civil design support during construction services for the Hilltop 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.

APPROVED by the System Expansion Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on July 11, 2019.



Claudia Balducci
System Expansion Committee Chair

Attest:



Kathryn Flores
Board Administrator