

## Motion No. M2019-37

### Additional Contingency for Civil Design Support During Construction for the Northgate Link Extension

Meeting:	Date:	Type of action:	Staff contact:
System Expansion Committee	04/19/2019	Recommend to Board	Ron Lewis, DECM Executive Director
Board	04/25/2019	Final Action	Don Davis, Executive Project Director – Northgate Link <b>Rick Capka, Deputy Project Director – Northgate Link</b>

### Proposed action

Authorizes the chief executive officer to increase the contract contingency for McMillen Jacobs Associates (formerly Jacobs Associates) to provide additional civil design and design support during construction services for the Northgate Link Extension in the amount of \$4,700,000, for a new total authorized contract amount not to exceed \$108,908,106.

### Key features summary

- This action is required to provide civil design and design support during construction (DSDC) services for the Northgate Link Extension for additional work items that are within the general scope of work for this contract. These additional work items include the following:
  - Design services for elements that Sound Transit has determined are beneficial to safe and efficient light rail operations, including an additional public staircase at U District Station; public staircase enhancements at Northgate Station; additional operational and safety features at the Northgate parking garage; upgrades to the emergency ventilation system to support future International District Station (IDS) single-tracking; station escalator support modifications to meet American Public Transportation Association (APTA) heavy-duty escalator loads; and curb ramp modifications to meet current City of Seattle ADA requirements.
  - More extensive design support than anticipated for submittal reviews, responses to contractor questions/Requests for Information (RFIs) and incorporation of design revisions and enhancements into the construction contract documents.
  - Extends design support for Northgate Link from August 2020 through September 2021 to assist with testing and commissioning, including pre-revenue service operations.
  - Design services to address operational needs at each of the three stations as they are completed.

### Background

The Northgate Link Extension is a 4.3-mile extension of light rail from the University of Washington Station north under the campus via twin-bored tunnels to an underground station in the University District (U District Station), an underground station along 12th Avenue NE between NE 65th Street and NE 67th Street (Roosevelt Station), and continuing to an elevated station east of 1st Avenue

NE, spanning NE 103rd Street (Northgate Station). The Northgate Link Extension is scheduled to begin revenue service in September 2021.

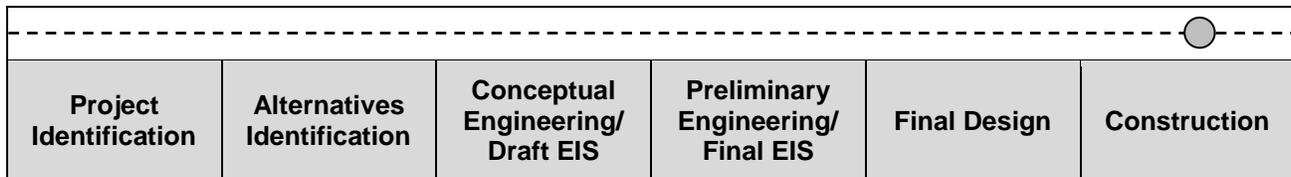
Upon the start of construction of Sound Transit projects, the firms who performed the final design, known as the Engineer of Record (EoR), are typically retained to provide certain additional services for the duration of the construction contract. This design support during construction (DSDC) includes work 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.

An amendment to the final design contract for the Northgate Link project was authorized in July 2012 for provision of DSDC. In August 2018, additional DSDC services were authorized for added scope related to noise and vibration monitoring system on the UW campus; design support services for the Northgate parking garage, advanced utility relocation, and site preparation contracts; City of Seattle-required special geotechnical inspections; and design changes to incorporate lessons learned from the U-Link project.

This request for contingency will cover the design costs associated with the additional public staircase that is being added to the U District Station from the platform level to the mezzanine level. This additional staircase will provide additional access for patrons, in addition to escalators and elevators, during normal operations.

This request includes contingency to extend services from August 2020 through September 2021. Although civil construction is scheduled to be complete by August 2020, technical issues may arise during system integrated testing and pre-revenue service that require support from our civil design consultant.

## Project status



Projected completion date for Construction: 3Q 2021

Project scope, schedule and budget summary are located on page 9 of the February 2019 Link Light Rail Program Progress Report.

## Procurement information

After the review of the additional scope of work in this action, Procurement and Contracts determined that the additional works are within the general scope of work that was originally procured. The additional scope of work includes civil design and design support required to support changes made to the Northgate Link Extension including escalator support modifications, additional stair cases and ADA modifications at U District Station, Northgate Station, and Northgate parking garage. Schedule constraints and efficiencies support utilizing the existing contract to complete design services for the additional elements of work that must be completed prior to revenue service.

## Fiscal information

This action is within the baseline budgets for the above projects, and sufficient monies remain after approval of this action to fund the remaining work in the Final Design phase.

The baseline budget for the Northgate Link Extension is \$1,899,755,500. Within the final design phase, \$28,460,299 has been allocated to the budget line item for Civil DSDC. The proposed action would commit \$4,700,000 of contract contingency to this line item and leave a remaining budget balance of \$95,561.

## Northgate Link Extension

(in thousands)

Project Phase	Baseline Budget	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Administration	\$144,879	\$68,427	\$	\$68,427	\$76,452
Preliminary Engineering	15,077	15,077		15,077	0
Final Design	132,167	125,236	4,700	129,936	2,231
Third Party	11,800	9,840		9,840	1,960
Right-of-way	112,300	100,676		100,676	11,624
Construction	1,343,023	1,283,283		1,283,283	59,740
Construction Services	118,310	105,096		105,096	13,213
Project Contingency	22,200				22,200
<b>Total Current Budget</b>	<b>\$1,899,756</b>	<b>\$1,707,635</b>	<b>\$4,700</b>	<b>\$1,712,335</b>	<b>\$187,421</b>
<b>Phase Detail</b>					
<b>Final Design</b>					
Civil DSDC	\$28,460	\$23,665	4,700	\$28,365	\$96
Other Final Design	103,707	101,572		101,572	2,135
<b>Total Phase</b>	<b>\$132,167</b>	<b>\$125,236</b>	<b>\$4,700</b>	<b>\$129,936</b>	<b>\$2,231</b>
<b>Contract Detail</b>					
<b>McMillan Jacobs Associates</b>	<b>Board Approvals to Date</b>	<b>Current Approved Contract Status</b>	<b>Proposed Action</b>	<b>Proposed Total for Board Approval</b>	
Contract Amount	\$102,450	\$102,450	\$	\$102,450	
Contingency	1,758	1,758	4,700	6,458	
<b>Total Contract</b>	<b>\$104,208</b>	<b>\$104,208</b>	<b>\$4,700</b>	<b>\$108,908</b>	
Percent Contingency	2%	2%	100%	6%	

**Notes:**

Amounts are expressed in Year of Expenditure.

Board Approvals = Committed To-Date + Contingency as of Feb 2019, and includes pending Board actions.

For detailed project information, see page 170 of the 2019 Financial Plan & Adopted Budget.

## Small business 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 goal	
Sound Transit goal: 16%	Commitment: 17.43%

McMillen Jacobs Associates committed to a small business participation goal of 17.43% in their original contract. To date, they have achieved 18.08% small business participation.

It is anticipated that the small business participation will continue to meet participation goals.

## **Public involvement**

The Northgate Link Extension maintains an active public involvement program to keep affected communities informed about facility design and construction plans.

Project staff meet with affected neighborhood and business groups, property owners, businesses and individuals on a regular basis to provide project updates and respond to questions and concerns about the project. Additional meetings are also held with third party stakeholders to keep them informed on project progress. An electronic project newsletter is sent out to over 3,000 people on the project e-mail list to keep the interested public informed about project activities and upcoming community meetings.

## **Time constraints**

A one-month delay could impact the design support during construction (DSDC) services being performed by the design consultants.

## **Prior Board/Committee actions**

Motion No: M2018-99: Authorized the chief executive officer to increase the contract contingency for McMillen Jacobs Associates (formerly Jacobs Associates) to provide additional civil design support during construction services for the Northgate Link Extension in the amount of \$3,700,000, for a new total authorized contract amount not to exceed \$104,208,106.

Motion No. M2016-129 (Betterment Authorization): Authorized the chief executive officer to execute a property settlement agreement with King County to acquire property and temporary construction easements from King County to construct the Northgate Station and to provide design and construction services for bus transit facilities to be constructed at or near the station on behalf of King County for a net payment amount of \$6,380,000. (Added \$500,000 in contingency to the McMillen Jacobs Associates contract.)

Motion No: M2015-04: Authorized the chief executive officer to increase the contingency for the civil final design services contract with Jacobs Associates for the Northgate Link Extension in the amount of \$8,200,000, for a new total authorized contract amount not to exceed \$100,008,106.

Motion No: M2013-65: Authorized the chief executive officer to increase the contingency for the contract with Jacobs Associates to provide final design services for the Northgate Link Extension in the amount of \$6,250,000 for a new total authorized contract amount not to exceed \$91,808,106.

Motion No: M2012-49: Authorized the chief executive officer to execute a contract amendment with Jacobs Associates to provide additional final design services, additional bid support, and design services during construction for the Northgate Link Extension in the amount of \$21,842,165, with a 10% contingency of \$2,184,217 totaling \$24,026,382, for a new total authorized contract amount not to exceed \$85,558,106.

Motion M2010-85: Authorized the chief executive officer to execute a contract with Jacobs Associates to provide civil engineering and architectural final design services for the North Link – UW Station to Northgate project for a total authorized amount not to exceed \$61,531,724.

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**Environmental review – KH 4/5/19**

**Legal review – JSA 4/11/19**



## Motion No. M2019-37

A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to increase the contract contingency for McMillen Jacobs Associates (formerly Jacobs Associates) to provide additional civil design and design support during construction services for the Northgate Link Extension in the amount of \$4,700,000, for a new total authorized contract amount not to exceed \$108,908,106.

### Background

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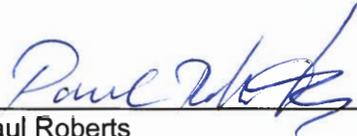
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## Motion

It is hereby moved by the Board of the Central Puget Sound Regional Transit Authority that the chief executive officer is authorized to increase the contract contingency for McMillen Jacobs Associates (formerly Jacobs Associates) to provide additional civil design and design support during construction services for the Northgate Link Extension in the amount of \$4,700,000, for a new total authorized contract amount not to exceed \$108,908,106.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on April 25, 2019.

  
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Paul Roberts  
Board Vice Chair

**Attest:**

  
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Kathryn Flores  
Board Administrator