

MOTION NO. M2016-78

Contract for Trackwork from UW Station to Northgate Station within the Northgate Link Extension

| MEETING: | DATE: | TYPE OF ACTION: | STAFF CONTACT: |
|-------------------|------------|--------------------|--|
| Capital Committee | 07/14/2016 | Recommend to Board | Ahmad Fazel, DECM Executive Director |
| Board | 07/28/2016 | Final Action | Don Davis, Executive Project Director – Northgate Link Extension Rick Capka, Principal Construction Manager |

PROPOSED ACTION

Authorizes the chief executive officer to execute a contract with Stacy and Witbeck, Inc. to provide trackwork elements for the Northgate Link Extension in the amount of \$71,455,950, with a 15% contingency of \$10,718,393, for a total authorized contract amount not to exceed \$82,174,343.

KEY FEATURES SUMMARY

- This contract provides for furnishing, installing, and testing all direct fixation and ballasted trackwork and related items for two parallel tunnels, an elevated guideway, and tail track section and three light rail stations. The contract includes:
 - Special trackwork consisting of a double cross-over, trackway turnouts, and high rail track access equipment.
 - At-grade track slabs with concrete cross-ties, plinths, and direct fixation rail fasteners.
 - Floating slabs with noise and vibration damping capability, installation of ultra-straight rail and rail support elements for tracks under the UW campus.
 - Installation of a 26 kv power distribution system and conduits for fiber optics cables.
- A 15 percent contingency is requested to allow procurement of ultra-straight rail as a change order to this contract once FTA approval is received.

BACKGROUND

Northgate Link extends light rail 4.3 miles north from the University of Washington (UW) Station via twin bored tunnels to the underground U District Station along Brooklyn Avenue NE between NE 43rd Street and NE 45th Street. It continues to the underground Roosevelt Station along 12th Avenue NE between NE 65th Street and NE 67th Street and then to the Maple Leaf Portal where it transitions to an elevated guideway and continues to the Northgate Station along 1st Avenue NE at NE 103rd Street. The Northgate Link Extension is scheduled to be completed in September 2021 and will serve as an interim terminus for Link until the Lynnwood Link Extension is in service, currently anticipated in 2023.

The construction contract provides the trackwork for the entire Northgate Link Extension from UW Station to Northgate Station (N180 contract). Unique elements of this contract include installation of a five hertz floating slab with ultra-straight rail in the tunnels under the University of Washington to mitigate noise and vibration impacts on sensitive research activities. The N180 contract interfaces have been carefully coordinated with other Northgate Link construction contracts and with the University of Washington.

The N180 contract was advertised for bids on April 13, 2016, and four bids were received on June 10, 2016. The bid submitted by Stacy and Witbeck, Inc., in the amount of \$71.5 million was deemed to be the lowest responsive and responsible bid. The engineer's estimate was \$91.1 million.

PROJECT STATUS

| | | | | | |
|-------------------------------|------------------------------------|-------------------------------|--------------------------------|---------------------|---------------------|
| Project Identification | Alternatives Identification | Conceptual Engineering | Preliminary Engineering | Final Design | Construction |
|-------------------------------|------------------------------------|-------------------------------|--------------------------------|---------------------|---------------------|

Projected Completion Date for Construction: 3Q 2021

Project scope, schedule and budget summary located on pages 19–24 of the March 2016 Agency Progress Report.

FISCAL INFORMATION

This action is within the adopted budget and sufficient monies remain after approval of the action to fund the remaining work in the Construction phase as contained in the current cost estimates of this project.

The Northgate Link Extension project budget in the 2016 Transportation Improvement Plan (TIP) is \$1,899,755,500. Within that amount, \$129,051,465 has been set aside for Trackwork in the Construction phase. The proposed action would commit \$82,174,343 for this line item and leave a remaining budget balance of \$46,877,122.

| Northgate Link Extension | | 2016 TIP | Board Approvals | This Action | Board Approved Plus Action | Uncommitted / (Shortfall) |
|---------------------------------|--|--------------------------------|---|------------------------|--|----------------------------------|
| Agency Administration | | 147,879 | 62,517 | | 62,517 | 85,362 |
| Preliminary Engineering | | 15,077 | 15,077 | | 15,077 | 0 |
| Final Design | | 129,167 | 122,025 | | 122,025 | 7,142 |
| Right of Way | | 127,300 | 93,061 | | 93,061 | 34,239 |
| Construction | | 1,328,023 | 553,150 | 82,174 | 635,324 | 692,698 |
| Construction Services | | 118,310 | 91,115 | | 91,115 | 27,194 |
| Third Party Agreements | | 11,800 | 9,930 | | 9,930 | 1,870 |
| Vehicles | | - | - | | - | - |
| Contingency | | 22,200 | - | | - | 22,200 |
| Total Current Budget | | 1,899,756 | 946,875 | 82,174 | 1,029,049 | 870,706 |
| Phase Detail | | | | | | |
| Construction | | | | | | |
| N180 Trackwork | | 129,051 | - | 82,174 | 82,174 | 46,877 |
| Other Construction | | 1,198,971 | 553,150 | | 553,150 | 645,821 |
| Total Phase | | 1,328,023 | 553,150 | 82,174 | 635,324 | 692,698 |
| Contract Detail | | | | | | |
| Stacy and Witbeck, Inc. | | | | | | |
| | | Board Approvals to Date | Current Approved Contract Status | Proposed Action | Proposed Total for Board Approval | |
| Contract Amount | | - | - | 71,456 | 71,456 | |
| Contingency | | - | - | 10,718 | 10,718 | |
| Total | | - | - | 82,174 | 82,174 | |
| Percent Contingency | | 0% | 0% | 15% | 15% | |

Notes:

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

Board Approvals = Committed To-Date + Contingency, and includes pending Board actions.

2016 TIP = Northgate Link Extension project budget located on page 20 of the Adopted 2016 Transit Improvement Plan (TIP).

SMALL BUSINESS/DBE PARTICIPATION

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: 3%

DBE: 2%

Commitment:

Small Business: 3%

DBE: 3%

| Subconsultant/Subcontractor | Business Type | % of Work | Amount |
|------------------------------------|----------------------|------------------|------------------------|
| Grady Excavating | DBE | 0.8% | \$ 600,000 |
| Rebar International | DBE | 1.9% | \$1,340,236 |
| ST Fabrication | DBE | 0.3 | \$ 205,000 |
| Total | | 3.0% | \$2,145,236.007 |

PUBLIC INVOLVEMENT

A robust public outreach program was conducted throughout the preliminary and final design phases of the Northgate Link Extension. Open houses and meetings with property owners, neighborhood and business groups, and other interested parties were held for all the stations along the alignment including specific open houses in the Northgate community. Project updates continue to be developed and sent out to all interested parties and affected property owners during the construction phase of the Northgate Link Extension.

TIME CONSTRAINTS

A one-month delay in awarding this contract would delay the start of construction. Such a delay would likely result in additional construction costs to maintain the scheduled completion date of construction since parts of the work of this contract are on the critical path of the Northgate Link Extension master construction schedule.

PRIOR BOARD/COMMITTEE ACTIONS

Not applicable to this action.

ENVIRONMENTAL REVIEW

JI 6/21/2016

LEGAL REVIEW

JW 07/06/2016

MOTION NO. M2016-78

A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a contract with Stacy and Witbeck, Inc. to provide trackwork elements for the Northgate Link Extension in the amount of \$71,455,950, with a 15% contingency of \$10,718,393, for a total authorized contract amount not to exceed \$82,174,343.

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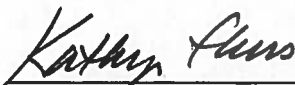
MOTION:

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 with Stacy and Witbeck, Inc. to provide trackwork elements for the Northgate Link Extension in the amount of \$71,455,950, with a 15% contingency of \$10,718,393, for a total authorized contract amount not to exceed \$82,174,343.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on July 28, 2016.


Pat McCarthy
Board Chair Pro Tem

ATTEST:


Kathryn Flores
Board Administrator