

MOTION NO. M2015-107

Downtown Bellevue Tunnel Contract for the East Link Extension

MEETING:	DATE:	TYPE OF ACTION:	STAFF CONTACT:
Capital Committee	11/12/15	Recommend to Board	Ahmad Fazel, DECM Executive Director
Board	11/19/15	Final Action	Ron Lewis, Executive Project Director - East Link Chad Frederick, Construction Manager

PROPOSED ACTION

Authorizes the chief executive officer to execute a contract with Guy F. Atkinson Construction, LLC, to construct an underground tunnel in downtown Bellevue from Main St. to N.E. 6th Street for the East Link Extension in the amount of \$121,446,551, with a 10% contingency of \$12,144,655, for a total authorized contract amount not to exceed \$133,591,206.

KEY FEATURES SUMMARY

- This contract (E330) includes all work necessary to provide approximately 2,000 feet of Sequential Excavation Method (SEM) tunnel from Main Street to N.E. 6th Street in downtown Bellevue. The contract work includes site preparation, south portal cut and cover structure and final tunnel lining.
- The contract also includes construction of the tunnel center wall, access shaft along 110 Avenue N.E., utility support, exterior wall strengthening of an adjacent private underground garage, construction of the south portal sound wall and other construction noise mitigation, associated road and utility work, and building demolition.
- It is anticipated that the Notice to Proceed for construction will be issued to the contractor in December 2015 and that the contract work will take approximately 4-1/2 years.
- This work is near and the project’s critical path for meeting the target date of June 2023 for the start of revenue service for this extension.

BACKGROUND

East Link extends light rail 14 miles from downtown Seattle to downtown Bellevue and the Overlake area of Redmond via I-90, with stations serving Rainier Avenue/I-90, Mercer Island, South Bellevue, Downtown Bellevue, Overlake Hospital, the Bel-Red Corridor, Overlake Village, and the Overlake Transit Center. The East Link project route, profiles, and station locations, including the tunnel route in downtown Bellevue, were selected by the Sound Transit Board on July 28, 2011, and amended on April 25, 2013. In April 2015, the Sound Transit Board established the baseline budget and schedule for the project. Revenue service between Seattle and the Overlake Transit Center is forecasted for 2023.

Environmental compliance pursuant to the State Environmental Policy Act (SEPA) for East Link was completed with the East Link Project Final Environmental Impact Statement (EIS) issued on July 15, 2011, and East Link Extension 2013 SEPA Addendum issued March 26, 2013. The Federal Transit Administration and Federal Highway Administration issued a Record of Decision for the project on November 16, 2011, and November 17, 2011, respectively, completing the National Environmental Policy Act (NEPA) process.

This tunnel contract is the first of seven major construction contracts for the East Link Extension. Under this contract, the contractor will excavate and construct the final lining of the downtown

Bellevue tunnel, construct the center tunnel wall and expanded fan room with corresponding access shaft, build the south portal sound wall and other construction noise mitigation, associated road work, utility work and building demolition, and construct shoring of the excavation walls and the south portal box. The tunnel finishes, track and systems elements (traction power, communications, and signals) will be constructed under separate contracts.

This contract was advertised for bids in August 2015 and seven bids were received. Bids ranged from \$121,446,551 to \$169,543,395. The engineer's estimate is \$156,929,508. Guy F. Atkinson Construction, LLC is the lowest responsive and responsible bidder with the bid price of \$121,446,551.

PROJECT STATUS

○					
Project Identification	Alternatives Identification	Conceptual Engineering	Preliminary Engineering	Final Design	Construction

Projected Completion date for Construction Phase: 1Q 2022
 Project scope, schedule and budget summary located on page 43 of the August 2015 Agency Progress Report.

FISCAL IMPACT

This action is within the Adopted Budget and sufficient funds remain after approval of this action to fund the remaining work in the Construction Phase as contained in the current cost estimates.

The 2015 Lifetime Adopted Budget for East Link Extension project is \$3,677,150,000. Within that amount, \$2,544,300,000 has been set aside for the Construction Phase. Out of that amount \$24,765,491 has been committed for the Construction Phase.

The proposed action would commit \$133,591,206 to Guy F. Atkinson Construction, LLC contract to construct an underground tunnel in downtown Bellevue from Main St. to N.E. 6th Street for the East Link Extension project leaving the remaining uncommitted budget of \$2,385,943,303 in the Construction Phase.

East Link Extension	2015 TIP*	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Agency Administration	186,200	38,728	0	38,728	147,472
Preliminary Engineering	55,900	54,783	0	54,783	1,117
Final Design	283,000	231,942	0	231,942	51,058
Third Parties	52,150	10,615	0	10,615	41,535
Right of Way	298,150	120,318	0	120,318	177,832
Construction	2,544,300	24,765	133,591	158,357	2,385,943
Construction Services	257,450	17,818	0	17,818	239,632
Vehicles	0	0	0	0	0
Total Current Budget	3,677,150	498,970	133,591	632,561	3,044,589

Phase Detail - Construction					
E330 Downtown Bellevue Tunnel	185,109	0	133,591	133,591	51,518
Other Construction	2,359,191	24,765	0	24,765	2,334,426
Total Phase	2,544,300	24,765	133,591	158,357	2,385,943

Guy F. Atkinson Construction, LLC Contract Detail	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
Contract Amount	0	0	121,447	121,447
Contingency	0	0	12,145	12,145
Total Contract Amount	0	0	133,591	133,591
Percent Contingency	0%	0%	10%	10%

Notes:

* East Link Extension baseline project budget was approved by Board on April 23, 2015, Resolution No R2015-04.
 Amounts are expressed in Year of Expenditure \$000s.
 Board Approvals to Date includes amounts through September 30, 2015 plus any pending Board Actions.
 Board Approvals = Committed to-date + Contingency.

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, Guy F. Atkinson Construction, LLC has committed to the following Small Business/DBE Participation:

Small Business and Disadvantaged Business Enterprise Goals

Sound Transit Goal:

Small Business: 3.5%

DBE: 2%

Commitment:

Small Business: 3.6%

DBE: 3.6%

Subconsultant/Subcontractor	Business Type	% of Work	Amount
O'Neill Service Group, LLC	DBE	1.9%	\$ 2,289,750
Rebar International, Inc.	DBE	0.4%	\$ 500,000
Grady Excavation, Inc.	DBE	0.1%	\$ 100,000
Amaya Electric	DBE	1.1%	\$ 1,323,175
O'Bunco Engineering	DBE	0.1%	\$ 169,700
Total		3.6%	\$ 4,382,625

Apprentice Utilization Commitment

Apprentice Utilization Goal: 20%

PUBLIC INVOLVEMENT

Extensive public outreach efforts have taken place on behalf of the East Link Extension over the last nine years. Outreach activities have included meetings with community members, property owners, businesses, stakeholders, local jurisdictions, and agencies. Since the project kickoff in 2006, Sound Transit has hosted approximately 60 public meetings, and has also held hundreds of briefings with property owners and stakeholders; including 82 in 2014. Additionally, project staff have held quarterly meetings with the leadership group of the residential neighborhood adjacent to the south portal of the E330 contract package, in order to keep them regularly updated on project status and upcoming milestones.

TIME CONSTRAINTS

This contract is on the near critical path of East Link. The schedule of this contract impacts two major follow on contract packages. A one-month delay in issuing this contract would increase the risk of impacting the critical path of East Link.

ENVIRONMENTAL REVIEW

JI 10/26/2015

LEGAL REVIEW

LA 6 November 2015

MOTION NO. M2015-107

A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a contract with Guy F. Atkinson Construction, LLC, to construct an underground tunnel in downtown Bellevue from Main St. to N.E. 6th Street for the East Link Extension in the amount of \$121,446,551, with a 10% contingency of \$12,144,655, for a total authorized contract amount not to exceed \$133,591,206.

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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 Guy F. Atkinson Construction, LLC, to construct an underground tunnel in downtown Bellevue from Main St. to N.E. 6th Street for the East Link Extension in the amount of \$121,446,551, with a 10% contingency of \$12,144,655, for a total authorized contract amount not to exceed \$133,591,206.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on November 19, 2015.



Dow Constantine
Board Chair

ATTEST:



Kathryn Flores
Board Administrator