



## Motion No. M2020-18

### Contract Amendment for Phase 3 Preliminary Engineering Services for the SR 522/NE 145<sup>th</sup> Bus Rapid Transit Project

Meeting:	Date:	Type of action:	Staff contact:
System Expansion Committee	03/12/2020	Final Action	Don Billen, PEPD Executive Director <b>Paul Cornish, Project Director BRT Program</b>

### Proposed action

Authorizes the chief executive officer to execute a contract modification with David Evans and Associates, Inc. to exercise a contract option for preliminary engineering services for the SR 522/NE 145<sup>th</sup> Bus Rapid Transit project in the amount of \$6,271,586 with a 10 percent contingency of \$627,159 totaling \$6,898,745, for a new total authorized contract amount not to exceed \$14,905,671.

### Key features summary

- This action funds and authorizes execution of a contract option with David Evans and Associates, Inc. for Phase 3 Preliminary Engineering for the SR 522/NE 145<sup>th</sup> Bus Rapid Transit (BRT) Project.
- This action amends the project development services contract to include the third of the following three phases of project development:
  - Phase 1 – Alternatives Development (Motion No. M2018-17)
  - Phase 2 – Conceptual Engineering and Environmental Review (Motion No. M2019-34)
  - Phase 3 – Preliminary Engineering (this action)
- The contract with David Evans and Associates, Inc. includes two options: an option for Phase 2 to provide Conceptual Engineering and Environmental Review and an option for Phase 3 to provide Preliminary Engineering. This action would exercise the option for Phase 3.
- Completion of Phase 3 is anticipated in first quarter 2021.
- Sound Transit is managing the I-405 BRT and SR 522/NE 145<sup>th</sup> BRT project concurrently to develop a seamless BRT program, including implementation of the common elements that span across corridors.

### Background

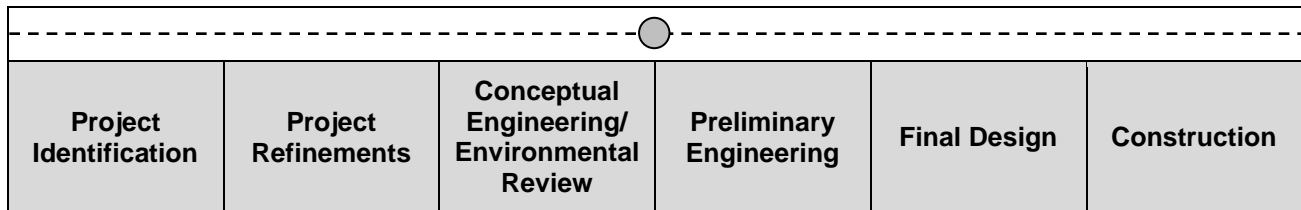
Funding for the SR522/NE 145<sup>th</sup> BRT project was approved by voters in the ST3 Plan. The purpose of this project is to develop BRT service along SR522/NE 145<sup>th</sup>, connecting to the future Shoreline South/145<sup>th</sup> light rail station. This service will primarily operate in business access and transit (BAT) lanes and include other speed and reliability improvements for about 8 miles between Shoreline and UW Bothell/Cascadia College, with service options to Woodinville.

Project refinements to the SR522/NE 145th BRT ST3 representative project were evaluated and confirmed during Phase 1. In Phase 2, the project refinements have been developed to 10% engineering design and are being environmentally reviewed according to SEPA requirements.

The next step for project development is represented in this action, Phase 3 - Preliminary Engineering, to develop the project to 30% engineering design in 2020-2021. Based on the completion of environmental review in Phase 2, the Sound Transit Board will select the project to be built in Q2/Q3 2020.

Elements of the BRT program may be delivered earlier using alternative delivery methods to the traditional design-bid-build delivery model. These elements will be brought to the Sound Transit Board of Directors or review and approval.

**Project status**



Projected completion date for Phase 3 Preliminary Engineering: 1Q 2021

Project scope, schedule and budget summary are located on page 169 of the November 2019 Agency Progress Report.

**Procurement information**

A Request for Qualifications (RFQ) for three phases of the project development process (Alternatives Development, Conceptual Engineering and Environmental Review, and Preliminary Engineering) was advertised on August 17, 2017. Sound Transit received five Statements of Qualifications (SOQs) on September 25, 2017. The SOQs were reviewed and evaluated per the criteria in the RFQ: Firm Experience and History, Knowledge and Experience of Key Individuals, Capacity and Project Organization, Project Understanding and Approach, Good Faith Efforts and Commitment to DBEs and other Small Businesses, and Equal Employment Opportunity (EEO) Commitment.

Based on these evaluations, three submitters were invited for interviews. The David Evans and Associates, Inc. team was determined to be the highest ranked firm based on qualifications and was invited to enter into negotiations for the contract. Sound Transit executed the contract with David Evans and Associates, Inc. on February 22, 2018.

The contract with David Evans and Associates, Inc. includes two options: an option for Phase 2 to provide Conceptual Engineering and Environmental Review services and an option for Phase 3 to provide Preliminary Engineering services. The Contract Specialist and project staff reviewed pricing of option for Phase 3 and determined the final negotiated amount to be fair and reasonable.

## Fiscal information

This action is within the authorized project allocation to date and sufficient monies remain after approval of the action to fund the remaining work in the preliminary engineering phase as contained in the current cost estimates.

The authorized project allocation to date for the SR 522/NE 145th BRT project is \$69,415,000. Within the preliminary engineering phase, \$16,025,000 has been allocated to the budget line item

### SR 522 Bus Rapid Transit Project

(in thousands)

Project Phase	Authorized Project Allocation	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Administration	\$6,341	\$3,201	\$	\$3,201	\$3,140
Preliminary Engineering	17,012	8,092	6,899	14,991	2,021
Final Design					
Third Party Agreements	1,444	165		165	1,279
Right of Way	5,331	169		169	5,162
Construction	39,000	24,952		24,952	14,048
Construction Services	287				287
Vehicles					
Project Contingency					
<b>Total Current Budget</b>	<b>\$69,415</b>	<b>\$36,579</b>	<b>\$6,899</b>	<b>\$43,477</b>	<b>\$25,938</b>
<b>Phase Detail</b>					
<b>Preliminary Engineering</b>					
Environmental Assessment	\$16,025	\$8,007	\$6,899	\$14,906	\$1,119
Other Preliminary Engineering	987	85		85	902
<b>Total Phase</b>	<b>\$17,012</b>	<b>\$8,092</b>	<b>\$6,899</b>	<b>\$14,991</b>	<b>\$2,021</b>

Contract Detail	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
David Evans and Associates, Inc				
Contract Amount	\$7,434	\$7,957	\$6,272	\$13,706
Contingency	573	49	627	1,200
<b>Total Contract</b>	<b>8,007</b>	<b>8,007</b>	<b>6,899</b>	<b>14,906</b>
Percent Contingency	8%	1%	10%	9%

#### Notes:

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

\* Board Approvals = Commitment and PO Contingency Remaining as of 1/31/2020.

For detailed project information, see page 89 of the 2020 Financial Plan & Proposed Budget.

environmental assessment. The proposed action would commit an additional \$6,898,745 to this line item and leave a remaining budget balance of \$1,119,329.

## Disadvantaged and small business 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 DBE/SBE goals and the following is the commitment for Phase 3 of this contract.

<b>Small business and disadvantaged business enterprise (DBE) goals</b>	
Sound Transit small business goal: 15%	Small business commitment: 25.11%
DBE goal: 6%	DBE commitment: 19%

<b>Subconsultant/Subcontractor</b>	<b>Business Type</b>	<b>% of Work</b>	<b>Amount</b>
Casseday Consulting	Small business	0.60%	\$34,946.15
Envirolssues	DBE	9.26%	\$538,776.68
Vicus	Small Business	1.08%	\$62,592.40
HRA	Small Business	0.53%	\$30,926.02
HWA	DBE	3.81%	\$221,675.24
Jimale Technical Services	DBE	0.32%	\$18,492.92
Armand Consulting	DBE	2.41%	\$140,147.11
Langton Spieth	Small Business	0.80%	\$46,650.24
Michael Minor	DBE	0.28%	\$16,159.73
MPM Consultants Inc.	DBE	1.10%	\$64,106.15
Scharrer	DBE	2.88%	\$167,766.90
Transportation Consulting Services	DBE	2.05%	\$119,070.00
<b>Total</b>		<b>23%</b>	<b>\$1,461,309.21</b>

**Public involvement**

Sound Transit is committed to proactively seeking public feedback during all stages of the SR 522/NE 145<sup>th</sup> BRT Project. The overarching goals for the stakeholder involvement program will be to foster public trust and build relationships through transparent communication, meaningful involvement, and responsiveness to comments. The project will engage communities along the SR 522/NE 145<sup>th</sup> corridor, including local and elected leaders, agency partners, businesses, residents, and other stakeholders to help shape the program. Sound Transit’s open, inclusive, and ongoing stakeholder involvement program will include a variety of tools and techniques to inform and engage the public.

Sound Transit’s updated Community Engagement and Communications Plan will describe the public participation opportunities that will be conducted during the project, including public meetings, charrettes, property owner and other briefings, project website, printed materials, project hotline, dedicated outreach staff, and other tools to engage the public.

In addition to Sound Transit staff who will be leading this effort, consultant resources will be required to ensure the extensive level of outreach associated with the project is completed successfully and in accordance with project milestones.

## **Time constraints**

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

## **Prior Board/Committee actions**

Motion No. M2019-34: Authorized the chief executive officer to execute a contract modification with David Evans and Associates, Inc. to provide Conceptual Engineering and Environmental Review services for the SR 522/NE 145th Bus Rapid Transit project in the amount of \$4,934,304, with a 10% contingency of \$493,430 totaling \$5,427,734 for a new total authorized amount not to exceed \$8,006,925.

Motion No. M2018-17: Authorized the chief executive officer to execute a contract with David Evans and Associates, Inc. to provide project development services for the SR 522/SR 523 Bus Rapid Transit project in the amount of \$2,500,000, with a 10% contingency of \$250,000, for a total authorized contract amount not to exceed \$2,750,000.

---

**Environmental review** – KH 2/27/20

**Legal review** – JSA 3//620



## Motion No. M2020-18

A motion of the System Expansion Committee of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a contract modification with David Evans and Associates, Inc. to exercise a contract option for preliminary engineering services for the SR 522/NE 145th Bus Rapid Transit project in the amount of \$6,271,586 with a 10 percent contingency of \$627,159 totaling \$6,898,745, for a new total authorized contract amount not to exceed \$14,905,671.

### Background

Funding for the SR522/NE 145th BRT project was approved by voters in the ST3 Plan. The purpose of this project is to develop BRT service along SR522/NE 145th, connecting to the future Shoreline South/145th light rail station. This service will primarily operate in business access and transit (BAT) lanes and include other speed and reliability improvements for about 8 miles between Shoreline and UW Bothell/Cascadia College, with service options to Woodinville.

Project refinements to the SR522/NE 145th BRT ST3 representative project were evaluated and confirmed during Phase 1. In Phase 2, the project refinements have been developed to 10% engineering design and are being environmentally reviewed according to SEPA requirements.

The next step for project development is represented in this action, Phase 3 - Preliminary Engineering, to develop the project to 30% engineering design in 2020-2021. Based on the completion of environmental review in Phase 2, the Sound Transit Board will select the project to be built in Q2/Q3 2020.

Elements of the BRT program may be delivered earlier using alternative delivery methods to the traditional design-bid-build delivery model. These elements will be brought to the Sound Transit Board of Directors or review and approval.

This action amends the project development services contract to include the third of the following three phases of project development:

- Phase 1 – Alternatives Development (Motion No. M2018-17)
- Phase 2 – Conceptual Engineering and Environmental Review (Motion No. M2019-34)
- Phase 3 – Preliminary Engineering (this action)

The contract with David Evans and Associates, Inc. includes two options: an option for Phase 2 to provide Conceptual Engineering and Environmental Review and an option for Phase 3 to provide Preliminary Engineering. This action would exercise the option for Phase 3. Completion of Phase 3 is anticipated in first quarter 2021.

Sound Transit is managing the I-405 BRT and SR 522/NE 145<sup>th</sup> BRT project concurrently to develop a seamless BRT program, including implementation of the common elements that span across corridors.

### 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 execute a contract modification with David Evans and Associates, Inc. to exercise a contract option for preliminary engineering services for the SR 522/NE 145th Bus Rapid Transit project in the amount of \$6,271,586 with a 10 percent contingency of \$627,159 totaling \$6,898,745, for a new total authorized contract amount not to exceed \$14,905,671.

APPROVED by the System Expansion Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on March 12, 2020.

  
\_\_\_\_\_  
Claudia Balducci  
System Expansion Committee Chair

**Attest:**

  
\_\_\_\_\_  
Kathryn Flores  
Board Administrator