



Motion No. M2020-59

Contract Amendment for Phase 3 Preliminary Engineering Services for the I-405 Bus Rapid Transit Project

Meeting:	Date:	Type of action:	Staff contact:
System Expansion Committee	10/08/2020	Final action	Don Billen, PEPD Executive Director Bernard van de Kamp, East Corridor Development Director, PEPD Paul Cornish, Project Director, PEPD

Proposed action

Authorizes the chief executive officer to execute a contract modification with WSP USA Inc. to exercise a contract option for Phase 3 preliminary engineering services for the I-405 Bus Rapid Transit project in the amount of \$10,943,000 with a 10 percent contingency of \$1,094,300 totaling \$12,037,300, for a new total authorized contract amount not to exceed \$26,881,067.

Key features summary

- This action funds and authorizes execution of a contract option with WSP USA Inc. for Phase 3 Preliminary Engineering of the I-405 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. M2018-18)
 - Phase 2 – Conceptual Engineering and Environmental Review (Motion No. M2019-21)
 - Phase 3 – Preliminary Engineering (this action)
- The contract with WSP USA 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.
- Phase 3 is expected to take approximately 12 months with completion in fourth quarter 2021.
- Sound Transit is managing the I-405 BRT, SR 522/NE 145th BRT and Bus Base North projects concurrently to develop a seamless BRT program, including implementation of the common elements that span across corridors.

Background

The I-405 BRT Project will plan for BRT service within the I-405 corridor, primarily operating in managed lanes for 37 miles between Lynnwood and Burien. Project development will involve planning and preliminary design of BRT elements, including routes, 11 pairs of BRT stations, and parking facilities.

The I-405 BRT Project consultant's contract scope of work includes some systems design work for the

BRT lines and the bus operations and maintenance facility that supports both the I-405 and SR 522/145th BRT lines.

The I-405 BRT Project will also plan programmatic BRT elements, including BRT fleet, rider information/technology integration, and branding that will be used across the BRT system. These common BRT elements will be coordinated with a separate contract that Sound Transit has with another consultant for the SR 522/NE 145th BRT Project.

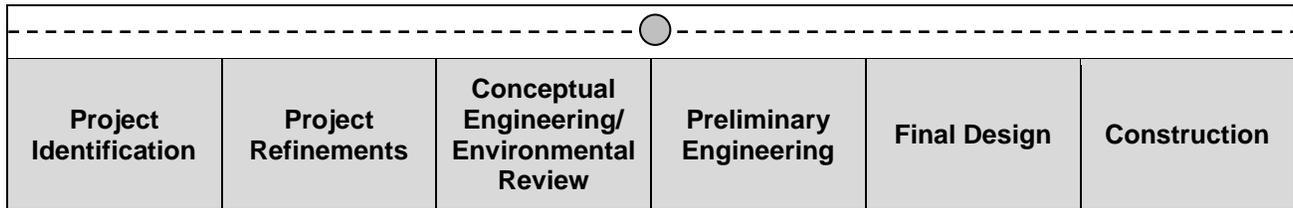
Analysis to incorporate ST3 common project elements for non-motorized access and transit-oriented development (TOD) planning and sustainability measures will also be conducted, as well as assessment of operational feasibility and risk.

Project refinements to the I-405 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 evaluated in a State Environmental Policy Act (SEPA) Environmental Checklist and associated technical reports. Sound Transit issued a SEPA Determination of Nonsignificance (DNS) for the I-405 BRT Project on September 30, 2020.

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.

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: 4Q 2021

Project scope, schedule and budget summary are located on page 169 and 173 of the July 2020 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 four Statements of Qualifications (SOQs) on September 18, 2017. The SOQs were reviewed and evaluated according to the evaluation criteria: 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, WSP USA Inc. 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 WSP USA Inc. on March 1, 2018.

The contract with WSP USA, 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 of the I-405 Bus Rapid Transit Project is \$226,118,000. Within the preliminary engineering phase, \$25,392,000 has been allocated to the budget line item for Environmental Assessment. The proposed action would commit \$11,797,100 to this line item and leave a remaining budget balance of \$128,421.

The authorized project allocation to date of the Bus Base North Project is \$48,676,000. Within the preliminary engineering phase, \$1,896,000 has been allocated to the budget line item for Environmental Assessment. The proposed action would commit \$240,200 to this line item and leave a remaining budget balance of \$154,762.

I-405 Bus Rapid Transit Project

(in thousands)

Project Phase	Authorized Project Allocation	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Administration	\$8,286	\$6,428	\$	\$6,428	\$1,858
Preliminary Engineering	49,726	37,075	11,797	48,872	854
Final Design					
Third Party Agreements	950	539		539	411
Right of Way	36,163	25,809		25,809	10,354
Construction	130,240	118,400		118,400	11,840
Construction Services	753	0			753
Total Current Budget	\$226,118	\$188,251	\$11,797	\$200,048	\$26,070
Phase Detail - Preliminary Engineering					
Environmental Assessment	\$25,392	\$13,466	\$11,797	\$25,264	\$128
Engineering	24,334	23,608		23,608	726
Total Phase	\$49,726	\$37,075	\$11,797	\$48,872	\$854

Bus Base North Project

(in thousands)

Project Phase	Authorized Project Allocation	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Administration	\$4,424	\$1,121	\$	\$1,121	\$3,303
Preliminary Engineering	2,305	1,494	240	1,734	571
Final Design					
Third Party Agreements	160	2		2	158
Right of Way	29,187	24,700		24,700	4,487
Construction					
Construction Services	12,600	0			12,600
Total Current Budget	\$48,676	\$27,316	\$240	\$27,557	\$8,519
Phase Detail - Preliminary Engineering					
Environmental Assessment	\$1,806	\$1,411	\$240	\$1,651	\$155
Other	499	82		82	417
Total Phase	\$2,305	\$1,494	\$240	\$1,734	\$571

Contract Details	Board Approvals to Date	Current Approved Contract	Proposed Action	Proposed Total for Board Approval
WSP USA Inc				
Contract Amount	\$14,608	\$14,608	\$10,943	\$25,551
Contingency	236	236	1,094	1,330
Total Contract	\$14,844	\$14,844	\$12,037	\$26,881
Percent Contingency	2%	2%	10%	5%

Notes:

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

* Board Approvals = Commitment and PO Contingency Remaining as of 8/31/20.

For detailed project information, see page 136 and 138 of the 2020 Financial Plan & Adopted Budget.

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

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

Small business/DBE participation commitments	
Sound Transit small business goal: 17%	SBE commitment: 22%
DBE goal: 7%	DBE commitment: 8.5%

The table below outlines SBE completed and project commitments for Phases 1, 2, and 3 of the I-405 BRT project. The 22% SBE commitment will be exceeded based on WSP's full contract value.

Project Phase	Business Type	% of Work	Amount (\$)
Phase 1 and Phase 2 (completed)	SBE/DBE	27%	\$4,100,000
Phase 3 (projected)	SBE/DBE	21%	\$2,321,207
TOTAL (Phases 1, 2, and 3)	SBE/DBE	24.5%	\$6,421,207
Phase 3 Subconsultant/Contractor	Business Type	% of Work	Amount (\$)
Casseday Consulting	DBE	0.3%	\$30,460
Concord Engineering	DBE	3.0%	\$333,520
EnviroIssues Inc.	DBE	2.4%	\$260,373
Lin & Associates	DBE	8.9%	\$975,624
Perteet	SBE	1.9%	\$204,615
Pivot Architects	SBE	3%	\$329,390
Systems Consulting, LLC	DBE	1.1%	\$123,932
Tierra Right-of-Way	SBE	0.4%	\$42,902
Transportation Consulting Services	DBE	0.2%	\$20,391
Phase 3 Total		21%	\$2,321,207

Public involvement

Sound Transit is committed to pro-actively seeking public feedback during all stages of the I-405 BRT Project. The overarching goals for the stakeholder involvement program are to foster public trust and build relationships through transparent communication, meaningful involvement, and responsiveness to questions and comments. The project will continue to engage communities along the I-405 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 includes a variety of tools and techniques to inform and engage the public.

Sound Transit's updated Community Engagement and Communications Plan describes the public participation opportunities that will continue to be conducted throughout the project, including public meetings, charrettes, briefings, project website, online open houses, printed materials, project hotline, dedicated outreach staff, and other tools to engage the public. Work with the I-405 BRT Elected Leadership and Interagency groups will continue as part of the engagement process with local and elected leaders and agency partners.

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. M2018-18: Authorized the chief executive officer to execute a contract with WSP USA Inc. to provide project development services for the I-405 Bus Rapid Transit project in the amount of \$5,840,000, with a 10% contingency of \$584,000, for a total not to exceed amount of \$6,424,000.

Motion No. M2019-21: Authorized the chief executive officer to execute a contract modification with WSP USA Inc. to provide Phase 2 project development services for the I-405 Bus Rapid Transit project in the amount of \$8,185,243 plus \$234,524 in contingency, totaling \$8,419,767, for a new total authorized contract amount not to exceed \$14,843,767.

Environmental review – KH 9/30/20

Legal review – JSA 10/2/20



Motion No. M2020-59

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 WSP USA Inc. to exercise a contract option for Phase 3 preliminary engineering services for the I-405 Bus Rapid Transit project in the amount of \$10,943,000 with a 10 percent contingency of \$1,094,300 totaling \$12,037,300, for a new total authorized contract amount not to exceed \$26,881,067.

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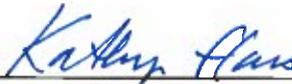
It is hereby moved by the System Expansion Committee of the Central Puget Sound Regional Transit Authority that the chief executive officer is authorized to execute a contract modification with WSP USA Inc. to exercise a contract option for Phase 3 preliminary engineering services for the I-405 Bus Rapid Transit project in the amount of \$10,943,000 with a 10 percent contingency of \$1,094,300 totaling \$12,037,300, for a new total authorized contract amount not to exceed \$26,881,067.

APPROVED by the System Expansion Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on October 8, 2020.



Claudia Balducci
System Expansion Committee Chair

Attest:



Kathryn Flores
Board Administrator