



Motion No. M2023-37

Sounder Planning & Preliminary Engineering Contract Modification with David Evans & Associates for the Sounder South Capacity Expansion Program and the DuPont Sounder Extension Project

Meeting:	Date:	Type of action:	Staff contact:
System Expansion Committee	5/11/2023	Final action	Don Billen, PEPD Executive Director Melissa Flores Saxe, PEPD HCT Project Development Director

Proposed action

Authorizes the chief executive officer to execute a contract modification with David Evans & Associates, Inc. to exercise contract options for conceptual engineering and environmental assessment for the Sounder South Capacity Expansion Program for updating the Sounder South Strategic Plan and for the DuPont Sounder Extension Project double track & signal projects in the amount of \$8,864,646, with a 10 percent contingency of \$886,464 totaling \$9,751,110, for a new total authorized contract amount not to exceed \$22,277,031.

Key features summary

- The Sounder Planning & Preliminary Engineering consultant contract with David Evans & Associates, Inc (DEA) was competitively procured in 2017. This contract covers all planning and preliminary engineering efforts for Sounder projects, including the Sounder South Capacity Expansion Program and the DuPont Sounder Extension Project.
- This contract modification initiates Phase 2 – Conceptual Engineering and Environmental Assessment for the Sounder South Capacity Expansion Program and DuPont Sounder Extension Project which cover the Pierce County Double Track Project.
- This work is being advanced at this time due to receiving a Federal Railroad Administration (FRA) \$10 million CRISI grant award for these two projects.
- A portion of this contract modification amount will be considered matching funds for the FRA grant.
- This contract modification also includes exercising a contract option to have DEA provide consultant services to update the Sounder South Strategic Plan (formerly Sounder Development and Implementation Plan) that was part of the original contract scope and is included in the Sounder South Capacity Expansion Program budget.

Background

Sounder service has been operating since September 2000. On November 8, 2016, voters approved the ST3 ballot measure that included funding for improvements to expand Sounder South. These improvements fall into the following primary categories:

- Expanding station platforms to accommodate up to ten-car trains sets in the south corridor, allowing Sound Transit to run longer trains and carry more riders

- Access elements including improvements for pedestrians, bicyclists, buses, and private vehicles, prioritized under Sound Transit’s System Access Policy
- Depending on affordability and cost-effectiveness, track and signal upgrades and other related infrastructure will provide capacity for additional trips
- Extension of Sounder South to DuPont by adding two stations and track & signal improvements to increase capacity

Sounder South Capacity Expansion Program and DuPont Extension Project

Due to the COVID-19 pandemic, in August 2021, the ST Board approved a Capital Realignment Program and adjusted the implementation schedules of light rail, commuter rail and bus rapid capital projects. The ST3 Sounder South system expansion schedules were identified as Tier 3 projects to be completed between 2036 to 2046.

In 2022, Sound Transit was awarded a \$10M FRA CRISI grant for matching funds to complete early planning for double-track segments along Sound Transit’s and BNSF Railway’s rail corridor in Pierce County. The Sound Transit Board adopted the 2023 Annual Budget (R2022-35) that includes the local match of the FRA CRISI grant in the Sounder South Capacity Expansion Program and DuPont Extension Project budgets.

The FRA grant funds conceptual engineering, environmental review, and preliminary engineering. Once Sound Transit completes preliminary engineering, the projects will be shovel ready and be competitive for potential FRA grants for final design and construction, if the Board elects to advance final design or construction.

These FRA grant opportunities for these Sounder projects established in Tier 3 in Realignment resolution R2021-05, **provide additional financial capacity for ST’s financial plan for other capital projects.**

Sounder South Strategic Plan

Before the pandemic, the Sounder South service was near passenger capacity for each commuter train trip. In March 2020, Sound Transit completed the Sounder South Strategic Plan that identified the prioritization of the ST3 Sounder South capital projects. The priority was to design and build longer train platforms to accommodate 10-car train sets and implement a future date for additional roundtrips.

Due to the pandemic, the work environment for some commuters has changed as remote work and flex schedules have become prevalent. Sounder commute peak ridership declined during the pandemic and is slowly recovering since COVID restrictions have been lifted.

This contract modification exercises an option to have DEA update the Sounder South Strategic Plan (formerly Sounder Development and Implementation Plan) including engaging with stakeholders and the public to re-evaluate the Sounder South capital implementation priorities and consider Sounder service schedule adjustments to include off-peak service and weekend service.

Project Statuses

Sounder South Capacity Expansion Program

○					
Project Identification	Project Refinements	Conceptual Engineering/ Environmental Review	Preliminary Engineering	Final Design	Construction

Projected completion date for Phase 2: Conceptual Engineering and Environmental: 3Q 2026

Project scope, schedule and budget summary are located on page 158 of the March 2023 Agency Progress Report.

Sounder DuPont Extension Project

○					
Project Identification	Project Refinements	Conceptual Engineering/ Environmental Review	Preliminary Engineering	Final Design	Construction

Projected completion date for Phase 2: Conceptual Engineering and Environmental: 3Q 2026

Project scope, schedule and budget summary are located on page 159 of the March 2023 Agency Progress Report.

Procurement information

This Sounder Planning & Preliminary Engineering consultant contract for engineering services was procured in accordance with requirements for Architecture/Engineering procurements. Sound Transit evaluated all proposals submitted in accordance with the evaluation criteria included in the solicitation. Price was not a factor. David Evans and Associates, Inc. was determined to be the most qualified firm, and after successful negotiations. In October 2018, the Sound Transit Board selected David Evans and Associates, Inc. to provide Sounder Commuter Rail Planning and Preliminary Engineering services. This includes planning and preliminary engineering services for ST3 Sounder projects and remaining ST2 Sounder projects that have not completed preliminary engineering. Sound Transit entered into Contract RTA/AE 0145-17 with David Evans and Associates, Inc. on November 30, 2018.

The scope of work in the contract contains options for the completion of planning and project development for Sounder projects. Sound Transit may exercise an option at its sole discretion, by written change order after the additional scope of work has been developed, negotiated and agreed. option may be exercised at the sole discretion of Sound Transit. The parties have agreed to the scope of work, estimated level of effort to complete the scope, and associated labor and overhead rates for this Change Order.

For this new scope of work, the proposed price was compared with the independent cost estimate and a cost analysis was performed, and the not to exceed price was determined to be fair and reasonable.

Fiscal information

This action is within the authorized project allocations of these two projects and sufficient monies remain after approval of this action to fund the remaining work in the preliminary engineering phase.

Souder South Capacity Expansion

The authorized project allocation for the Souder South Capacity Expansion project is \$34,764,000. Within that amount, \$20,445,000 has been allocated to the preliminary engineering phase of which \$15,099,000 has been allocated for Environmental Assessment. This action would commit an additional \$6,751,110 to this line item and leave an uncommitted phase budget balance of \$5,211,523. The current cost estimate for the Souder South Capacity Expansion project is \$1.3 billion in 2022\$ and is affordable within the Agency's Finance Plan. Staff are managing the project toward a 2046 delivery, consistent with both Affordable and Target Schedules. This action is in alignment with Resolution No. R2021-05 and does not impact the affordability of any other system expansion project.

DuPont Souder Extension

The authorized project allocation for the DuPont Souder Extension project is \$8,600,000. Within that amount, \$5,280,000 has been allocated to the preliminary engineering phase of which \$4,600,000 has been allocated for Environmental Assessment. This action would commit \$3,000,000 to this line item and leave an uncommitted phase budget balance of \$1,600,000. The current cost estimate for the DuPont Souder Extension project is \$446 million in 2022\$ and is affordable within the Agency's Finance Plan. Staff are managing the project toward a 2045 delivery, consistent with both Affordable and Target Schedules. This action is in alignment with Resolution No. R2021-05 and does not impact the affordability of any other system expansion project.

Sounder South Capacity Expansion

(in thousands)

Project Phase	Authorized Project Allocation to Date	Total Current Commitment	This Action	Total Commitment Plus Action	Uncommitted / (Shortfall)
Agency Administration	\$9,852	\$3,075	\$	\$3,075	\$6,777
Preliminary Engineering	20,445	6,392	6,751	13,143	7,302
Final Design					
Third Party	1,318	766		766	552
Right of Way	3,149	212		212	2,937
Construction					
Construction Services					
Vehicles					
Total Current Budget	\$34,764	\$10,446	\$6,751	\$17,197	\$17,567
Phase Detail - Preliminary Engineering					
Environmental Assessment	15,099	3,136	6,751	9,887	5,212
Other Preliminary Engineering	5,346	3,256		3,256	2,090
Total Phase	\$20,445	\$6,392	\$6,751	\$13,143	\$7,302

DuPont Sounder Extension

(in thousands)

Project Phase	Authorized Project Allocation to Date	Total Current Commitment	This Action	Total Commitment Plus Action	Uncommitted / (Shortfall)
Agency Administration	\$2,561	\$1	\$	\$1	\$2,560
Preliminary Engineering	5,280		3,000	3,000	2,280
Final Design					
Third Party	236				236
Right of Way	523				523
Construction					
Construction Services					
Vehicles					
Total Current Budget	\$8,600	\$1	\$3,000	\$3,001	\$5,599
Phase Detail - Preliminary Engineering					
Environmental Assessment	4,600		3,000	3,000	1,600
Other Preliminary Engineering	680				680
Total Phase	\$5,280	\$	\$3,000	\$3,000	\$2,280

Contract Detail

David Evans & Associates	Board Approvals to Date*	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
Sounder South Expansion	\$5,648	\$5,648	\$6,165	\$11,812
Sounder South Expansion Contingency	524	524	586	1,111
SCR Lakewood Station	2,763	2,763		2,763
SCR Lakewood Station Contingency	276	276		276
South Tacoma Access	3,013	3,013		3,013
South Tacoma Access Contingency	301	301		301
DuPont Sounder Extension			2,700	2,700
DuPont Sounder Extension Contingency			300	300
Total Contract Amount	\$12,526	\$12,526	\$9,751	\$22,277
Total Percent Contingency	10%	10%	10%	10%

Disadvantaged and small business participation

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, the following goals were established, and the successful Bidder/Proposer has committed to the following small business/DBE participation:

Small business (SBE) and disadvantaged business enterprise (DBE) contract goals	Overall Respondent Commitment
SBE goal: 10.0%	16.4%
DBE goal: 4.0%	12.3%

The Small Business and DBE goals that are listed above are the cumulative totals for all of the different phases for Contract AE 0145-17. Each Change Order is being tracked separately to ensure the cumulative goal totals are achieved.

Public involvement

Not applicable

Time constraints

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

Prior Board/Committee actions

Motion No. M2022-76: Authorized the chief executive officer to execute a contract modification with David Evans & Associates to exercise a contract option for consultant services for the King Street Station Platform Area Improvements Project with the Sounder South Capacity Expansion Program in the amount of \$2,850,970 with a 10% contingency of \$285,097, for a new total authorized contract amount not to exceed \$12,525,919.

Motion No. M2022-19: Authorized the chief executive officer to execute a contract modification with David Evans & Associates to exercise a contract option for consultant services for the South Tacoma Access Improvements Project and Lakewood Access Improvement Project in the amount of \$4,759,995 with a 10% percent contingency, for a new total authorized contract amount not to exceed \$9,389,853.

Motion No. M2020-68: Authorized the chief executive officer to execute contract modifications with David Evans & Associates Inc. for Phase 1 Alternatives Analysis for the Lakewood Station Access Improvements Project and the South Tacoma Access Improvements Project in an amount of \$1,448,853 with a 10 percent contingency of \$144,885 totaling \$1,593,738, for a new total authorized contract amount not to exceed \$3,312,627, contingency upcoming Board approval of Resolution No. R2020-19 and Resolution No. R2020-20.

Motion No. 2018-120: Authorized the chief executive officer to execute a Sounder Planning and Preliminary Engineering consultant contract with David Evans & Associates to provide planning and engineering consultant services for the Sounder South Capacity Expansion Program in the amount of \$1,562,626 with a 10% contingency of \$156,263, for a total authorized contract amount not to exceed \$1,718,889 plus applicable taxes, and contingent on Board approval of Resolution No. R2018-36 authorizing the Sounder South Capacity Expansion Program and establishing program allocation and 2018 annual budget.

Environmental review – KH 4/24/23

Legal review – JSA 5/2/23

Motion No. M2023-37

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 & Associates, Inc. to exercise contract options for conceptual engineering and environmental assessment for the Sounder South Capacity Expansion Program for updating the Sounder South Strategic Plan and for the DuPont Sounder Extension Project double track & signal projects in the amount of \$8,864,646, with a 10 percent contingency of \$886,464 totaling \$9,751,110, for a new total authorized contract amount not to exceed \$22,277,031.

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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 modification with David Evans & Associates, Inc. to exercise contract options for conceptual engineering and environmental assessment for the Sounder South Capacity Expansion Program for updating the Sounder South Strategic Plan and for the DuPont Sounder Extension Project double track & signal projects in the amount of \$8,864,646, with a 10 percent contingency of \$886,464 totaling \$9,751,110, for a new total authorized contract amount not to exceed \$22,277,031.

APPROVED by the System Expansion Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on May 11, 2023.



Claudia Balducci
System Expansion Committee Chair

Attest:



Kathryn Flores
Board Administrator