



Motion No. M2022-59

Contract Modification with Cambridge Systematics for Open Transit Data

Meeting:	Date:	Type of action:	Staff contact:
Rider Experience & Operations Committee	07/15/2022	Final action	Stephen Baker, Deputy Chief Information Officer, IT Okta Yildiz, Manager – Software Development, IT

Proposed action

Authorizes the chief executive officer to execute a contract modification with Cambridge Systematics to fund the contract in the amount of \$1,000,000 for a new total authorized aggregate contract amount not to exceed \$3,500,000.

Key features summary

- This action seeks authorization for additional funding of \$1,000,000 to the current contract amount of \$2,500,000 to fund the existing contract term to 2023 and funding the five one-year extensions expiring in August 2028 established in the original contract.
- This contract modification would enable Sound Transit to sustain the progress and continuation of the contract performance to ensure the quality and timely deliverables of the One Bus Away (OBA) application services and Open Transit Data (OTD) services that serves Real time Transit Data.
- This action would support to sustain the current OBA/OTD systems development that would enable OBA/ Passenger Information Management System (PIMS) to continue to serve our riders and Sound Transit Passenger Experience Team, and to enable and sustain digital toolset and service schedules.
- Based on current internal planning, Sound Transit does not foresee the need to extend this contract beyond this contract modification.

Background

In July 2016, the Board authorized Motion No. M2016-65, to execute a five-year term with ten one-year options with Cambridge Systematics for the provision of Open Transit Data (OTD), which is a Software-as-a-Solution hosting application that is in production and will be integrated with Sound Transit's Passenger Information Management System (PIMS) platform in Q4 2022.

Cambridge Systematics was Sound Transit's vendor for the first phase of the OTD program. Cambridge built the original system, streamlined the data import and validation process, and worked with Sound Transit Staff to troubleshoot issues with data quality and availability.

Procurement information

This contract was the result of a competitive Request for Proposals process in 2016, where Cambridge Systematics, Inc. was selected as the top ranked consulting firm for the scope of work and services envisioned. This proposed modification is within the contract's not-to-exceed amount authorized under

the contract. The original contract amount was considered to have been fair and reasonable considering the level of effort required under the respective tasks in the SOW as described in the contract.

Sound Transit exercised its option to extend via Modification of Contract No. 002 to RTA/RP 0015-16 to August 14, 2023, on date March 22, 2022.

Fiscal information

This action entails a contract modification with Cambridge Systematics for an additional \$1,000,000 to purchase services. The contract modification includes funding from both the Passenger Information Management Systems program and the Information Technology (IT) department for a total authorized amount not to exceed \$3,500,000.

The Digital Passenger Information System program budget is \$49,575,848. Within that amount, \$39,804,129.80 has been allocated to the construction phase. The action would commit an additional \$100,000 and leave a phase uncommitted budget balance of \$3,407,438.

The remaining balance of \$900,000 for this action, will be funded from the services category within the IT department's annual operating budget(s). The services category budget is \$12,008,927 of which a total of \$100,000 is estimated to be spent in 2022. The balance of the action \$800,000 will be included in future annual department budget development processes.

This action does not have an impact on the affordability of the Agency's Finance Plan.

IT Cambridge Systematics Contract (in thousands)

Contract Detail	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
Contract Amounts - Passenger Info Mgmt System	\$	\$	\$100	\$100
Contract Amounts - IT Department			900	900
Contract Amount - Research and Technology	2,500	2,500		2,500
Contingency Amount				
Total Contract (with contingency)	\$2,500	\$2,500	\$1,000	\$3,500

Passenger Info Mgmt System

Project Phase	Authorized Project Allocation	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Operations & Maintenance	\$7,431	\$4,057	\$	\$4,057	\$3,374
Agency Administration	2,340	164		164	2,177
Preliminary Engineering					
Third Parties					
Construction	39,804	36,297	100	36,397	3,407
Total Current Budget	\$49,576	\$40,518	\$100	\$40,618	\$8,958

Notes:

Board Approvals = Committed To-Date + Contingency as of 6/21/22 and includes pending Board actions.

For detailed project information, see page 182 in the 2022 Financial Plan & Adopted Budget.

IT Department

Cost Category	2022 Annual Operating Budget ¹	YTD Actuals	This Action (2022 Only)	YTD Actuals Plus Action (2022 Only)	Remaining Annual Operating Budget
Salaries and Benefits	\$20,593	\$7,379	\$	\$7,379	\$13,213
Services	12,009	4,643	100	4,743	7,266
Materials and Supplies	1,276	325		325	951
Utilities	1,002	602		602	400
Miscellaneous	108	13		13	96
Total Annual Operating Budget	\$34,988	\$12,962	\$100	\$13,062	\$21,926

Notes:

¹ 2022 Annual Operating Budget is located on page 71 of the 2022 Financial Plan & Adopted Budget book.

\$800 of the \$900 IT department contract amount to be included in subsequent annual budgets submitted to the board for adoption.

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). Small business and DBE 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.

Sound Transit determined that there were few small business and DBE subcontracting opportunities based upon the work described in this contract, so small business/DBE goals were not established.

Public involvement

Not applicable to this action.

Time constraints

A one-month delay would not have a signification impact as this contract is being extended to Q3 2028.

Prior Board/Committee actions

Motion No. M2016-65: Authorizes the chief executive officer to execute a five-year initial term contract with ten one-year options with Cambridge Systematics, Inc. to provide software development, system integration, and support services for the Open Transit Data program within the Research and Technology Program in the amount of \$2,500,000.

Environmental review – KH 6/16/22

Legal review – AJP 7/8/22



Motion No. M2022-59

A motion of the Rider Experience and Operations Committee of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a contract modification with Cambridge Systematics to fund the contract in the amount of \$1,000,000 for a new total authorized aggregate contract amount not to exceed \$3,500,000.

Background

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Motion

It is hereby moved by the Rider Experience and Operations Committee of the Central Puget Sound Regional Transit Authority that the chief executive officer is authorized to execute a contract modification with Cambridge Systematics to fund the contract in the amount of \$1,000,000 for a new total authorized aggregate contract amount not to exceed \$3,500,000.

APPROVED by the Rider Experience and Operations Committee of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on July 15, 2022.

Kristina Walker
Rider Experience and Operations Chair

Attest:

Kathryn Flores
Board Administrator