

# Bay Area Infrastructure Financing Authority (BAIFA)

September 28, 2022

Agenda Item 3d - 22-1333

## **Contract - Data Collection and Before and After Performance Assessment for the Solano I-80 Express Lane Project: Cambridge Systematics, Inc. (\$599,775)**

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Request for approval of a contract with Cambridge Systematics, Inc. in an amount not to exceed \$599,775 to provide technical assistance to conduct a Before and After Study to assess the impacts of the Solano I-80 Express Lanes on the operation of the corridor.

### **Background:**

The Bay Area Infrastructure Financing Authority (BAIFA) expects to open the I-80 Express Lanes in Solano County for tolling in December 2024. According to statute, BAIFA is required to submit a report to the California legislature no later than three years after the express lanes begin revenue operations to assess the effects of the express lanes on the corridor and the adjacent general purpose lanes.

Staff will conduct a Before and After Study to assess the express lanes impacts on traffic operations of the I-80 corridor. Data collected before the express lanes launch will establish a benchmark with 12 performance measures for the existing operations of the corridor prior to start of the express lanes. After the express lanes have launched and traffic patterns have stabilized (assumed to be approximately 12 months after launch), data will be collected again and compared against the baseline conditions and documented. Staff is considering additional data collection on weekends in order to assess the feasibility and impacts of operating the express lane during weekend hours. The scope of work also allows adding additional performance evaluation work as needed at a later date by amending the contract.

### **Procurement Process:**

On June 14, 2022, BAIFA invited firms on the 2021 Transportation Engineering and Planning Services Bench under “Service Category A: Freeway Operations, Data Analytics and Performance Assessments” to submit proposals to perform the study. On July 12, 2022, BAIFA received two proposals.

An evaluation panel comprised of MTC staff reviewed the proposals based upon the following evaluation criteria specified in the request for proposal, which are listed in descending order of importance:

Qualification	Percent of Total Score
Firm Qualifications and Team Experience	30%
Approach to completing the work	25%
Price	20%
Cost effectiveness	15%
Presentation	10%
SBE Preference	5%-10%

Based on the results of the proposal evaluations, the panel recommends the selection of Cambridge Systematics. Cambridge Systematics demonstrated its qualification and experience with similar projects and understands the project and its corridor-specific challenges. Cambridge Systematics also received SBE preference points. The table below provides the final ranking based upon the panel evaluations:

Ranking	Consultant	Score
1	Cambridge Systematics, Inc.	94.5
2	Iteris, Inc	93

A summary of Cambridge Systematics and its subcontractors' small business and disadvantaged business enterprise status is provided in Attachment A.

**Issues:**

None identified.

**Recommendations:**

Staff recommends that the Authority authorize the Executive Director or designee to negotiate and enter into a contract with Cambridge Systematics, Inc. in an amount not to exceed \$599,775 to provide technical assistance to conduct a Before and After Study to assess the impacts of the Solano I-80 Express Lanes on the operation of the corridor.

**Attachments:**

- Attachment A: Disadvantaged Business Enterprise and Small Business Enterprise Status



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Therese W. McMillan

**Attachment A**

Disadvantaged Business Enterprise and Small Business Enterprise Status

	<b>Firm Name</b>	<b>Role on Project</b>	<b>DBE* Yes / No</b>	<b>If DBE Yes, List #</b>	<b>SBE** Yes / No</b>	<b>If SBE Yes, List #</b>
Prime Contractor	Cambridge Systematics, Inc.	Prime Contractor	No		No	
Subcontractor	Wiltec	Subcontractor – Data collection	Yes	8440	No	

\*Denotes certification by the California Unified Certification Program (CUCP).

\*\*Denotes certification by the State of California.

## REQUEST FOR AUTHORITY APPROVAL

### Summary of Proposed Contract

Work Item No.: 6840

Consultant: Cambridge Systematics, Inc.

Work Project Title: Before and After Study for Solano I-80 Express Lanes

Purpose of Project: Perform before and after study for Solano I-80 Express Lanes and evaluate impact of express lanes on the corridor including the general purpose lanes.

Brief Scope of Work: Collect data along the corridor to establish a benchmark before starting the express lanes; collect data again approximately 12 months after the express lanes have launched (i.e., after traffic patterns have stabilized); and compare and document the findings.

Project Cost Not to Exceed: \$599,775

Funding Source: BAIFA Capital Budget Funds

Fiscal Impact: Funding for Solano I-80 is included in the FY2022-23 Capital Budget

Motion by Authority: That the Executive Director or designee is authorized to negotiate and enter into a contract with Cambridge Systematics, Inc. as described above and in the BAIFA Summary Sheet dated September 28, 2022.

BAIFA:

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Alfredo Pedroza, Chair

Approved: September 28, 2022