

**Metropolitan Transportation Commission  
Operations Committee**

December 11, 2020

Agenda Item 4c

**Contract – Innovative Deployments to Enhance Arterials Shared Automated Vehicles  
(IDEA SAV) Program Technical Advisory Services – Cambridge Systematics, Inc. (\$267,025)**

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**Subject:** Request for approval of a contract with Cambridge Systematics, Inc. for IDEA SAV Program Technical Advisory Services in an amount not to exceed \$267,025.

**Background:** In 2017, MTC launched the IDEA Program to support cities, counties, and transit agencies to deploy advanced technologies along their arterials to enhance mobility, sustainability, and safety across all modes. Projects that qualify under the IDEA Program fall into two categories: IDEA Category 1 projects deploy mature, commercially-available technologies; and IDEA Category 2 projects deploy new, higher-risk connected and automated vehicle technologies.

MTC staff intends to spin off IDEA Category 2 by launching the IDEA SAV Program in Spring 2021. IDEA SAV will have a similar model to IDEA but will focus on the use of SAVs to improve transit access for disadvantaged populations and the mobility of riders with disabilities. Due to the rapidly-changing state of practice related to SAV deployments, MTC seeks technical advisory services to help ensure the deployments: 1) align with Program objectives, 2) reduce project risk, and 3) improve stakeholder knowledge about developing technologies and best practices.

In June 2016, the Operations Committee approved a competitively-procured, pre-qualified panel of consultants to provide on-call transportation engineering and planning services under the various service categories through June 30, 2019, subsequently extended through June 30, 2021. On September 24, 2020, MTC issued a Request for Proposal (RFP) and invited all pre-qualified consultants under Service Category C: Connected/Autonomous Vehicles to submit proposals for IDEA SAV Technical Advisory Services.

MTC received proposals from three firms: Cambridge Systematics, Inc., DKS Associates, Inc. and Kimley-Horn and Associates. A panel consisting of staff from MTC and the Santa Clara Valley Transportation Authority performed a review and evaluation of the proposals based on the qualifications and experiences of the team, the firm's approach to completing the project, cost, cost-effectiveness, and written communication. All three firms were interviewed on November 10, 2020. Based on the results of the interviews and the proposal evaluations, the panel recommends the selection of the Cambridge Systematics, Inc. team. Cambridge Systematics, Inc. and its subconsultant have demonstrated direct experience with planning for advanced technology deployments (including SAVs), project evaluation analysis and administering connected and automated vehicle programs.

The table below provides the final ranking based upon panel evaluations:

Consultant	Ranking
1) Cambridge Systematics, Inc.	1
2) Kimley-Horn and Associates	2
3) DKS Associates, Inc.	3

The scope of work to be completed under this contract includes: providing early stage technical insight, assistance in soliciting agency proposals, soliciting public feedback on proposals, assessing project proposal feasibility and developing detailed project agreements with the agency grantees.

Neither Cambridge Systematics, Inc. nor its subconsultant is a DBE or SBE firm.

**Issues:** None identified.

**Recommendation:** Staff recommends that the Operations Committee authorize the Executive Director or designee to negotiate and enter into a contract with Cambridge Systematics, Inc. in an amount not to exceed \$267,025 for the above-described work.

  
Therese W. McMillan

## REQUEST FOR COMMITTEE APPROVAL

### Summary of Proposed Contract

Work Item No.: 1238

Consultant: Cambridge Systematics, Inc.  
Medford, MA

Work Project Title: Technical Advisory Services for the Innovative Deployments to Enhance Arterials Shared Automated Vehicles (IDEA SAV) Program

Purpose of Project: To help ensure that IDEA SAV Program deployments align with Program objectives, to reduce project risk, and to improve stakeholder knowledge about developing technologies and best practices.

Brief Scope of Work: Provide early-stage technical assistance in developing the IDEA SAV Program; provide assistance in soliciting agency proposals and public feedback on proposals; assess project proposal feasibility; and assist with developing detailed project agreements with the agency grantees.

Project Cost Not to Exceed: \$267,025

Funding Source: STP 1852

Fiscal Impact: Funding is included in the FY 2020-21 MTC Budget

Motion by Committee: That the Executive Director or designee is authorized to negotiate and enter into a contract with Cambridge Systematics, Inc to provide on-call transportation planning services described above and in the Operations Committee Summary Sheet dated December 11, 2020 and that the Chief Financial Officer is authorized to set aside \$267,025 for such contract.

Operations Committee:

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Damon Connolly, Vice Chair

Approved: Date: December 11, 2020

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