



**METROPOLITAN  
TRANSPORTATION  
COMMISSION**

Joseph P. Bort MetroCenter  
101 Eighth Street  
Oakland, CA 94607-4700  
TEL 510.817.5700  
TDD/TTY 510.817.5769  
FAX 510.817.5848  
E-MAIL [info@mtc.ca.gov](mailto:info@mtc.ca.gov)  
WFB [www.mtc.ca.gov](http://www.mtc.ca.gov)

*Memorandum*

Agenda Item No. 2e

TO: Operations Committee

DATE: September 5, 2014

FR: Executive Director

W. I. 1223

RE: Contract - On-Call Transportation Management System Services - Connected Vehicle Program Support: Cambridge Systematics, Inc. (\$150,000)

This memorandum requests Committee approval to enter into a contract with Cambridge Systematics, Inc., in an amount not to exceed \$150,000 to provide On-Call Transportation Management System (TMS) Services for Connected Vehicle program support.

**Background**

MTC and Caltrans have been actively involved in the national Connected Vehicle effort since its inception as a research program in 2004. The Connected Vehicle Program is a multimodal initiative that aims to enable safe, interoperable networked wireless communications among vehicles, infrastructure, and personal communications devices to tackle some of the biggest challenges in the surface transportation industry—safety, mobility, and the environment.

At this time, it is anticipated that the U.S. Department of Transportation (USDOT) will release a request for proposal for a Connected Vehicle pilot deployment program in early 2015 with planned awards to public or private organizations in September 2015. Deployment of multiple pilots across the country will serve as initial demonstrations of connected vehicle technology deployed in real world settings with the aim of delivering near-term safety, mobility, and environmental benefits to the public. The pilot program budget has not yet been announced; however, the USDOT has indicated that it anticipates two waves of deployments - 2015 and 2017. The pilot program budget as a whole is expected to be \$50M - \$200M. Deploying a pilot program in the Bay Area would likely help the region address its goals to improve safety, mobility, and the environment. If awarded a pilot, the Bay Area could leverage current technologies and develop connected vehicle operational systems that would exist well beyond the life of the program.

**Procurement Process**

At its October 11, 2013 meeting, the Operations Committee approved a competitively-procured, pre-qualified panel of six consultants to provide On-Call Transportation Management Systems Technical Advisor services to support MTC operational programs, including the Connected Vehicle Program. Firms were pre-qualified for a three-year period ending on June 30, 2016.

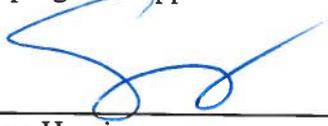
On August 1, 2014, MTC invited interested firms on the TMS Technical Advisor bench to submit Statements of Qualifications (SOQs) for any or all of the following Connected Vehicle Program support tasks: (1) assist MTC in defining its pilot project and developing the framework for its Concept of Operations; (2) prepare MTC's response to the USDOT's anticipated pilot Request for Proposals; (3) prepare a Request for Qualifications for MTC to identify a contractor to design, build, operate, and maintain the proposed pilot deployment; and (4) provide ongoing Connected Vehicle Program support.

MTC received five responses from the following firms for all or some of the four identified tasks: Atkins North America, Inc., Cambridge Systematics, Inc., Kimley-Horn & Associates, Inc., Iteris, Inc., and Delcan, a Parsons Company. A panel of MTC staff evaluated the qualifications of each firm. Based upon the evaluation, staff recommends the selection of Cambridge Systematics, Inc., to perform all four tasks. In response to the SOQ criteria, Cambridge Systematics, Inc. demonstrated strengths in: qualifications, management of resources, and understanding of the project schedule needs. Overall, Cambridge Systematics' knowledge, expertise and experience exceeded the requirements described in the SOQ.

<b>Consultant</b>	<b>Ranking</b>
Cambridge Systematics	1
Kimley-Horn & Associates, Inc.	2
Atkins North America, Inc.	3
Iteris, Inc.	4
Delcan, a Parsons Company	5

### **Recommendation**

Staff recommends that the Operations Committee authorize the Executive Director or his designee to negotiate and enter into a contract with Cambridge Systematics, Inc., in an amount not to exceed \$150,000 to provide Connected Vehicle program support as described above.



---

Steve Heminger

SH:vl

## REQUEST FOR COMMITTEE APPROVAL

### Summary of Proposed Contract

Work Item No.: 1223

Contractors: Cambridge Systematics, Inc., Oakland, CA

Work Project Title: On-Call Transportation Management System Services - Connected Vehicle Program Support

Purpose of Project: To provide support with development of a Connected Vehicle pilot proposal, RFQ, and ongoing technical tasks.

Brief Scope of Work: Provide a framework for Connected Vehicles Concept of Operations, prepare a proposal in response to USDOT's Connected Vehicle Pilot Deployment Program, provide RFQ support to identify a contractor to design and operate the proposed pilot deployment, and provide ongoing technical support during the deployment.

Estimated Project Cost: \$150,000

Funding Source: SAFE / BATA / STP

Fiscal Impact: Project cost is consistent with funds budgeted in the FY 2014-15 agency budget.

Motion by Committee: That the Executive Director or his designee is authorized to negotiate and enter into a contract with Cambridge Systematics, Inc., through June 30, 2016, to provide Connected Vehicle Program support, as described above and in the Executive Director's memorandum dated September 5, 2014. The Chief Financial Officer is directed to set aside funds in the amount of \$150,000 for such contract.

Operations Committee: \_\_\_\_\_  
Jake Mackenzie, Chair

Approved: Date: September 12, 2014