



SACOG Board of Directors

August 12, 2009

Authorize Contract for SHRP2 Project C10

Issue: SACOG is part of the team that successfully applied for a research project sponsored by the Strategic Highway Research Program (SHRP 2) Project C10, “Partnership to Develop an Integrated, Advanced Travel Demand Model and a Fine-Grained, Time-Sensitive Network.”

Recommendation: Accept the recommendation of the Government Relations & Public Affairs Committee to authorize the Executive Director to execute a contract as a subconsultant to Cambridge Systematics, Inc. for a 30-month project for a total of \$284,252, with \$124,800 amended into the FY 2009-2010 OWP.

Committee Action/Discussion: The Transportation Research Board (TRB) manages the second Strategic Highway Research Program (SHRP 2) with a focus on bringing research and technology into practical application. One of their current projects is Project C10, “Partnership to Develop an Integrated, Advanced Travel Demand Model and a Fine-Grained, Time-Sensitive Network.” SACOG, partnering with consultants and university researchers, applied for this project and have been selected to conduct a 30-month, \$2.6 million project to develop and test the latest improvements in advance regional travel models. We were successful in large part because we already have half of the project requirements: “an Integrated, Advanced Travel Demand Model.”

This project will develop a more detailed data and analytical system to represent the complexities of the transportation system, indicated by the other half of the project title, “a Fine-Grained, Time-Sensitive Network.” These improvements were already in SACOG’s model development program and this project provides us an opportunity to move forward. The project team includes experts in many areas that SACOG staff have not focused on, which will benefit SACOG’s capabilities much as if we were hiring them for our own model development project.

One of the TRB’s requirements is an interest by the public agency participant (SACOG) in applying the modeling improvements to actual MPO planning projects. There are tasks to develop scenarios to test the improved model. Staff intends to do additional scenarios as early in the project as possible, to fit into the MTP update, which starts during the current fiscal year and will be adopted by March 2012 at the latest.

The funding to SACOG totals \$284,252 over the entire project. The schedule for this fiscal year to June 30, 2010 includes tasks totaling \$124,800, which is being amending into the OWP in another agenda item. Subsequent OWPs will include the remainder of the project. Attached is a summary of the scope of work and schedule.

Approved by:

Mike McKeever
Executive Director

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Attachment

Key Staff: Gordon Garry, Director of Research & Analysis, (916) 340-6230

Summary of Scope of Work and Schedule

Task 1 Describe approach to develop dynamic integrated model	Sept. 2009 – Oct 2009
Task 2 Develop and describe system architecture	Sept. 2009 – Aug. 2011
Task 3 Assemble data and build model network	Sept. 2009 – June 2010
Task 4 Build integrated model and test on small-scale network	Dec. 2009 – Feb. 2011
Task 5 Upgrade and validate the dynamic integrated model	Feb. 2011 – Aug. 2011
Task 6 Analyze policies/investment alternatives of interest to SACOG	Oct. 2010 – Sept. 2011
Task 7 Prepare model and test data sets for dissemination	Sept. 2009 – Dec. 2011
Task 8 Prepare user's manual and documentation	Sept. 2011 – Jan. 2012
Task 9 Communications strategy	Sept. 2009 – Feb. 2012
Task 10 Documentation	Dec. 2011 – Feb. 2012