MEMO

DATE: January 4, 2007

TO: Administration Committee
Regional Council

FROM: Wayne Moore, Chief Financial Officer, (213) 236-1804, moore@scag.ca.gov

SUBJECT: Contracts and Purchase Orders between $5,000 - $250,000

RECOMMENDED ACTION:

Information Only

BACKGROUND:

SCAG executed the following Contract(s) between $5,000 and $250,000

- Caliper Corporation — $ 85,000
  Model Network Database Management System – Phase II
- Dr. Konstadinos G. Goulias — $ 30,000
  Activity Based Travel Demand Model Feasibility Study
- Meyer, Mohaddes Associates — $113,040
  South Bay Goods Movement
- Raju Associates, Inc. — $ 22,000
  North Los Angeles Modeling Maintenance

SCAG executed the following Purchase Order(s) between $5,000 and $250,000

- Act 1 Personnel Services — $20,500.00
  Temporary Staffing for Business Ops - CFO
- AT&T — $ 7,918.49
  Video Conferencing Hardware, Maintenance, and Support
- Congressional Quarterly, Inc. — $ 8,000.00
  1 Year Subscription
- Pace Lithographers, Inc. — $25,380.30
  Printing of the State of the Region 2006 Report

• Sapphire Technologies Temporary Staffing – Sr. Program Analyst	$36,000.00
• Sapphire Technologies Temporary Staffing – ISD Vacancy	$37,000.00
• UCLA Extension Public Policy 2006 Arrowhead Symposium Sponsorship	$10,000.00
• Zucca Ristorante SCAG Staff Holiday Luncheon	$ 5,576.00

FISCAL IMPACT:

None. Funding is available.

Reviewed by:

Division Manager

Reviewed by:

Department Director

Reviewed by:

Chief Financial Officer

CONSULTANT CONTRACT

Consultant: Caliper Corporation

Scope: The Southern California Association of Governments (SCAG) serves as the Metropolitan Planning Organization (MPO) for Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura Counties. SCAG is the primary agency responsible for the development and maintenance of travel demand forecasting models for the SCAG Region.

SCAG has recently completed the calibration and validation of a new Regional Travel Demand Model. The new model will be used for quantitative analysis for the Regional Transportation Plan (RTP), the Regional Transportation Improvement Program (RTIP), and the Air Quality Management Plan (AQMP).

Since SCAG's new Regional Model is being implemented under the TransCad software, the regional highway and transit networks need to be converted to the TransCad platform. In Phase I of the Model Network Database Management System project, SCAG completed the development of the master network database structure, conducted a feasibility test, and recommended future improvements.

The purpose of this project, Phase II of the Model Network Database Management System, is to ensure the accuracy and consistency among highway and transit networks used in RTP, RTIP, and AQMP scenarios across various horizon years.

Caliper Corporation will review and incorporate the recommendations from Phase I of the project into Phase II. As part of the Model Network Database Management System, Caliper Corporation will provide on-going TransCAD software training and technical support; therefore SCAG staff can use the TransCAD software and the tools developed from the project more efficiently.

Caliper Corporation will also need to work with the SCAG's GIS staff to integrate existing database into the network. The highway and transit networks developed through the application of the software should be compatible with the SCAG's new modeling software and should be accessible via other widely used GIS software like Arcview.

SCAG is in the process of purchasing the GDT network. Caliper corporation will develop a methodology to incorporate updates received from the GDT vendor on a regular basis. The updated network needs to be tested and validated.

Caliper Corporation will develop a method for creating a comprehensive database that encompasses both the regional highway and transit networks. The method should be thoroughly tested against every conceivable RTP/ RTIP projects. Any errors will be appropriately corrected.

Contract Amount:

Total not to exceed	$85,000
Caliper Corporation (prime)	$75,400
Eco & Associates, Inc. (subcontractor)	$ 9,600

Contract Period: Notice to Proceed through June 30, 2007

Work Element: 06-070.SCGC06 $85,000 Funding Sources: Consolidated Planning Grant – FHWA & TDA

Request for Proposal: SCAG staff notified 164 pre-qualified firms of the release of RFP No. 07-034. The RFP was also advertised on Lawley Publications' website, the Planning Magazine's website, and posted on SCAG's bid management system. One proposal was received in response to the solicitation:

Caliper Corporation (1 subcontractor)	$85,000

Selection Process: The Proposal Review Committee (PRC) evaluated the one proposal in accordance with the criteria set forth in the RFP, and the selection process was conducted in a manner consistent with all applicable Federal and State contracting regulations.

The PRC was comprised of the following individuals:

Chao Wei, Senior Transportation Engineer, Caltrans District 7
Deng Bang Lee, Manager of Modeling Division, SCAG
Mike Ainsworth, Lead Modeling Analyst, SCAG
Hsi-Hwa Hu, Modeling Analyst, SCAG

Basis for Selection: Each PRC member independently reviewed the proposal submitted by Caliper Corporation. Caliper's proposal met the requirements described in the RFP. The PRC committee recommended Caliper Corporation for the contract award because of the firm's qualifications to fulfill the requirements of the project.

Caliper Corporation completed Phase I of the Model Network Database Management System. The level of Caliper's work on this project is outstanding. For the Phase I project, Caliper developed an early version of network and database management tool that solves many of the data management problems related to coding multi-year, multi-project and multi-scenario networks.

Since the master network tool works exclusively in the TransCAD environment, very few consulting firms possess the knowledge of both TransCAD software and the concept of master network database, which is essential to this project. Caliper Corporation is the developer of the TransCad software and has completed Phase I of the Model Network Database Management System. This company is well qualified to work on the Phase II project.

In addition to delivering all of the project requirements specified in the RFP, Caliper Corporation agrees to assist SCAG in further developing and refining the master network tool to match SCAG's needs more fully, enhancing the data on which the new model is based, and assisting SCAG in learning the TransCAD software.

CONSULTANT CONTRACT

Consultant: Dr. Konstadinos G. Goulias

Scope: The Southern California Association of Governments (SCAG) serves as the Metropolitan Planning Organization (MPO) for Imperial, Los Angeles, Orange, Riverside, San Bernardino, and Ventura counties. The Region encompasses a population of more than 16 million people in an area exceeding 38,000 square miles. As the MPO for the Region, SCAG is responsible for transportation planning and programming for the six county Southern California area. SCAG collaborates with the California Department of Transportation, county transportation commissions, and other agencies in the Region that perform transportation planning and analyses.

SCAG is the primary agency responsible for the development and maintenance of travel demand forecasting models for the SCAG Region. SCAG has been developing and improving these travel demand forecasting models since 1967. SCAG applies the models to provide state of the practice quantitative analysis for the Regional Transportation Plan (RTP), the Regional Transportation Improvement Program (RTIP), and the Air Quality Management Plan (AQMP). The Model is also used to evaluate major transportation proposals within the Region. The Regional Model is typically updated and validated for each cycle of the RTP. Most recently, SCAG, working together with its CTC partners, has undertaken an ambitious Model Improvement Program to upgrade the Regional Travel Demand Model. SCAG's on-going Model Improvement Program focuses on both passenger carrying vehicles (light and medium duty) and heavy-duty trucks. Activity based models are considered the state-of-the-art in travel demand modeling. Long preferred over the standard four-step models by academia, they have recently been implemented in places such as New York City; San Francisco; Portland, Oregon; and Columbus, Ohio. The focus of activity based models is on people who are performing activities which create the need for travel. The objective of this project is to explore the feasibility of activity based travel demand modeling for Southern California. This project will evaluate the benefits of an activity based modeling approach and determine if its success could be replicated in the SCAG region. The selected Consultant will conduct a literature review for the activity based modeling, review current applications from other MPOs, and develop strategies and scope of work for implementing an activity based travel demand model. The product of the project would be summary of findings from literature review, report of current MPO applications, and strategies for implementing the activity based travel demand model. The Final Report will contain the benefits of the project and the difficulties of implementing activity based models to the SCAG region. Also included will be an estimation of the total

cost of implementing an activity based model, a schedule, and data requirements.

Contract Amount: **Total not to exceed** **$30,000**

Contract Period: Notice to Proceed through June 30, 2007

Work Element: 07-070.SCGC8 $30,000 Funding Sources: Consolidated Planning Grant – FHWA

Request for Proposal: SCAG staff notified 135 pre-qualified firms of the release of RFP No. 06-046. The RFP was also advertised on Lawley Publications' website, the Planning Magazine's website, and posted on SCAG's bid management system. The following proposal was received in response to the solicitation:

Konstadinos G. Goulias, Ph.D. $30,000

Selection Process: The Proposal Review Committee (PRC) evaluated the proposal in accordance with the criteria set in the RFP, and the selection process was conducted in a manner consistent with all applicable Federal and State contracting regulations.

The PRC was comprised of the following individuals:

Keith Killough, Director on Information Services, SCAG
His-Hwa Hu, Modeling Analyst, SCAG
Guoxiong Huang, Senior Modeling Analyst, SCAG
Michael Ainsworth, Lead Modeling Analyst, SCAG
Chao Wei, Senior Transportation Engineer, Caltrans District 7

Basis for Selection: Each PRC member independently reviewed the proposal submitted by Dr. Konstadinos G. Goulias. Dr. Goulias' proposal meets the requirements described in the RFP. The PRC committee recommended Dr. Konstadinos G. Goulias for the contract award because of his firm's strong qualifications to fulfill the requirements of the project. Dr. Goulias is an expert in many aspects of transportation modeling and is active on several national modeling committees/panels. He has extensive knowledge and experience in activity based travel demand modeling concept and application. He is willing and able to meet the highly demanding requirements of this project within a very limited budget. In addition, Dr Goulias has a good understanding of the SCAG Region and the potential modeling challenges the Region faces. He is based in Southern California and should be very accessible throughout the process. He is committed to exploring for SCAG the feasibility of an activity based travel demand model for the Region. He will develop strategies for implementing such models in the SCAG region as well as building the evaluation framework.

CONSULTANT CONTRACT

Consultant: Meyer, Modhaddes Associates

Scope: The South Bay Cities Council of Governments (SBCCOG) seeks to conduct a study to help the SBCCOG and its cities make informed choices as to strategies for mitigating current and future impacts resulting from goods movement through the South Bay subregion as well as support South Bay's economic interests by improving the efficiency and reliability of the goods movement system. In addition, the SBCCOG wishes to gain an understanding of the implications for the South Bay of goods movement strategies being pursued in the Gateway Cities' subregion and elsewhere in Los Angeles County, the region, and State.

The consultant will establish a baseline for current goods movement conditions in the SBCCOG subregion through numerous tasks; analyze truck trip generators in the subregion, and create maps related to existing goods movement infrastructure and freight flows; investigate issues related to infrastructure; compile and compare data from multiple sources to establish the number, sizes, types, and regional clustering of warehouse/distribution facilities in the South Bay; and conduct two focus groups to obtain information on current goods movement challenges.

The consultant will identify potential projects that could affect the South Bay in terms of congestion, air quality, and other measures. The consultant will also create a portfolio listing goods movement projects that will maintain or improve the economic vitality of the South Bay subregion. It will also identify and prioritize projects and policies for the subregion over the five-to-ten year horizon so that proposed improvements will be well-positioned to complete plans, specifications, estimates, and other planning documents necessary for inclusion in the State Transportation Improvement Program (STIP) and for consideration in the Los Angeles County Metropolitan Transportation Authority's (LACMTA) Call-for-Projects process.

Contract Amount:		
	Total not to exceed	**$113,040**
	Meyer, Mohaddes Associates (prime)	$83,090
	The Tioga Group, Inc. (subcontractor)	$29,950

Contract Period: November 20, 2006 through June 30, 2007

Work Element: 07-130.SBCC1 $113,040 Funding Sources: Consolidated Planning Grant – FTA

Request for Proposal: SCAG staff notified 433 pre-qualified firms of the release of RFP No. 07-050. The RFP was also advertised on Lawley Publications' website, the Planning Magazine's website, and posted on SCAG's bid management system. The following one proposal was received in response to the solicitation:

Meyer, Mohaddes Associates (1 subcontractor)	$114,935

Selection Process: The Proposal Review Committee (PRC) evaluated the one proposal in accordance with the criteria set forth in the RFP, and the selection process was conducted in a manner consistent with all applicable Federal and State contracting regulations. Interviews were held with the one offeror.

The PRC was comprised of the following individuals:

Jacki Bacharach, Executive Director, SBCCOG
Walter Siembab, Special Projects, SBCCOG
Don Camph, Transportation Consultant, SBCCOG
Farrokh Abolfathi, Principal Civil Engineer, City of Carson
Wendell Johnson, City Engineer, City of Lomita
Kathleen Wanda, Sr. Transportation Planner, Caltrans Dist. 7
Philbert Wong, Associate Transportation Planner, SCAG
Mike Jones, Assistant Transportation Planner, SCAG

Basis for Selection: The PRC committee recommends Meyer, Mohaddes Associates for the contract award because of the firm's qualifications to fulfill the requirements of the project. Meyer, Mohaddes Associates is willing and able to meet the demanding requirements of this project within the determined budget and schedule.

Meyer, Mohaddes Associates has substantial experience with projects requiring traffic counts, and has performed a considerable amount of goods movement modeling work in the past.

They are very knowledgeable about key goods movement issues facing the South Bay subregion. They have performed many similar studies including the precursor to this study titled "South Bay Truck Movement/Freight Operations Study" as well as other specialized goods movement studies along with their subcontractor, the Tioga Group, which has conducted multiple goods movement studies for SCAG.

Applicable studies involving Meyer, Mohaddes Associates include participation in the development of the South Bay Regional Comprehensive Plan-Phase II, an analysis for Gateway Cities I-710 Mobility and Goods Movement, and the Gateway Cities Trucking Study among many others.

They are qualified to fulfill the overall objective of this study, which is to help the SBCCOG and its cities make informed choices to mitigate current and future negative impacts resulting from goods movement while supporting the subregion's economic interests by improving the efficiency and reliability of goods movement and gaining an understanding of strategies being pursued in the County, region, and State.