



**METROPOLITAN
TRANSPORTATION
COMMISSION**

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Memorandum

TO: Administration Committee

DATE: February 28, 2007

FR: Executive Director

W. I. 1212

RE: Contract –Freeway Congestion Monitoring and Analysis: Kimley-Horn and Associates, Inc.

Staff recommends this Committee authorize a contract with Kimley-Horn and Associates, Inc. to conduct Freeway and Congestion Monitoring and Analysis in the spring and fall of 2007.

Background and Project Description

Since 2004, MTC has hired a consultant to conduct “floating car runs” on Bay Area freeways and analyze congestion data in the spring and fall of each year. Prior to 2004, Caltrans conducted this analysis; however, in recent years, the Caltrans agency budget has not included funding for this effort. The freeway congestion data are valuable and widely used in the annual State of the System Report and in long range planning and freeway operations analysis. In addition, a number of Congestion Management Agencies (CMAs) rely on the freeway congestion data for their monitoring programs.

Under this contract, the consultant will drive vehicles equipped with global positioning systems on the freeway to record travel speed and time. The consultant will then analyze the data and calculate vehicle hours of delay. In April of this year, MTC and Caltrans will determine the freeway segments for data collection, based on an assessment of the extent to which data can be collected automatically through roadway detectors. Automated data will be used to calculate delay where it is available and of sufficient quality. On other congested freeway segments, the consultant under this contract will conduct floating car runs and perform congestion analysis. Over time, as freeway detector coverage improves year to year, it should be possible to limit floating car runs to a smaller portion of the freeway system, thereby reducing data collection costs over time.

Consultant Selection Process

MTC issued a request for qualifications on January 8, 2007. We received a single Statement of Qualification (SOQ) from Kimley-Horn and Associates, Inc. An evaluation panel consisting of staff from Caltrans District 4, the Contra Costa Transportation Authority and MTC evaluated the SOQ and gave Kimley-Horn a uniformly high rating, based on the firm’s experience with the Caltrans data collection and analysis requirements. Kimley-Horn and Associates completed similar work for MTC

and Caltrans in 2004, 2005 and 2006. Further, the firm's proposed costs, while allowing for reasonable increases in expenses, are consistent with the rates charged to MTC in the past for similar work. The firm is located in Oakland, California.

This procurement includes an option to renew the contract for up to four additional years.

Recommendation

Staff recommends that this Committee authorize the Executive Director or his designee to negotiate and enter into an agreement with Kimley-Horn and Associates in an amount not to exceed \$220,000 to conduct Freeway and Congestion Monitoring and Analysis in the spring and fall of 2007, with an option to renew the contract for up to four additional one-year periods.

Steve Heminger

SH:LK

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REQUEST FOR COMMITTEE APPROVAL

Summary of Proposed Consultant Contract

Work Item No.: 1212

Consultant: Kimley-Horn and Associates, Inc.

Project Title: Freeway Congestion Monitoring and Analysis

Purpose of Project: Collect and analyze congestion data on Bay Area freeways

Brief Scope of Work: Conduct floating car runs to collect data on freeway speeds. Analyze data and calculate vehicle hours of delay on Bay Area freeways.

Project Cost Not to Exceed: \$220,000

Funding Source: STP/TDA

Fiscal Impact: Funding in the FY 2006-07 agency budget.

Motion by Committee: That the Executive Director or his designee is authorized to enter into a contract with Kimley Horn Associates for the collection and analysis of freeway congestion data and the Chief Financial Officer is directed to set aside funds in the amount of \$220,000 for such contract.

Administration
Committee:

Bill Dodd, Chair

Approved: Date: March 7, 2007