ALAMEDA COUNTY
CONGESTION MANAGEMENT AGENCY

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July 16, 2009
Agenda Item 8.1

Memorandum

DATE: July 16, 2009

TO: CMA Board

FROM: Administration and Legislation Committee

SUBJECT: **I-80 Integrated Corridor Mobility (ICM) - Approval to Advertise for a Construction Contract and Authority to Negotiate Construction Management Services.**

Action Requested:
The CMA is the lead agency for the I-80 ICM project which is funded through various Federal, State & Local fund sources. To expedite deliver, the I-80 ICM project has been separated into six sub-projects. It is recommended that the CMA Board take the following actions:

1. Authorize the Executive Director, or his designee, to advertise and request bids for the construction of the I-80 ICM Traffic Operations Systems (TOS) Project #3. Award of this contract is scheduled for action by the Board in October. The Engineer's Estimate for the construction phase is $2,144,000;
2. Authorize the Executive Director, or his designee, to negotiate and execute a contract to provide construction management services for the I-80 ICM Traffic Operations Systems (TOS) Project #3 and for the Traffic Light Synchronization Program (TLSP) Project #6 not to exceed $2.4 million.

Discussion:
The I-80 ICM Project will install new traffic management elements along the corridor. These elements include closed-circuit television (CCTV) cameras, Changeable Message Signs (CMS), vehicle detection systems, adaptive ramp metering systems, ramp metering HOV priority lanes for transit access, variable speed limit (VSL) signs, lane use signals (LUS) and communication networks. The project will integrate the Alameda County SMART Corridors Program with the Caltrans Transportation Management Center (TMC).

The project limits are along the I-80 corridor from the Carquinez Bridge (Contra Costa County) to the San Francisco Bay Bridge Toll Plaza (Alameda County). In addition to the improvements

made on the I-80 Corridor, enhancement on the parallel San Pablo Avenue Corridor and the connecting arterial between San Pablo Avenue and I-80, will also be performed in this contract.

The I-80 project has been divided into six sub projects in order to: stage the delivery of contracts, take advantage of the good construction bidding of recent years, and lower the risk to these projects by narrowing each contract's scope. The six projects are denoted as follows:

Project #1: Software & Systems Integration- $8.9 M
Project #2: Procurement- - $6.9 M
Project #3: Traffic Operations Systems (TOS) - $2.1 M
Project #4: Adaptive Ramp Metering (ARM) - $9.9 M
Project #5: Active Traffic Management (ATM) - $25.7 M
Project #6: Traffic Light Synchronization Program (TLSP) - $17.1 M

Action 1:
The I-80 ICM TOS Project #3 will install vehicle monitoring stations, highway advisory radios, variable message signs, a communication system and various electrical connections along the I-80 corridor. Final Plans, Specifications and Estimates (PS&E) has been accepted by Caltrans and approval of an encroachment permit is anticipated in the near future. Funding for this project is provided through the Corridor Mobility Improvement Account (CMIA). The CTC will be requested to allocate funds for this project at its September 9th meeting following the allocation vote.

Staff recommends that the CMA Board authorize the Executive Director, or his designee, to advertise the construction of the I-80 ICM TOS Project #3.

Action 2:
A construction management company is needed to perform construction contract administration for projects #3 & #6. Staff will interview firms from the CMA's list of prequalified construction management companies. Staff recommends that the CMA Board authorize the Executive Director, or his designee to negotiate and execute a contract to provide construction management services not to exceed $2.4 million. Funding of the Construction Management for the I-80 ICM TOS Project #3 will be from CMIA and funding of TLSP Project #6 Construction Management will be through the Traffic Light Synchronization Program.

Financial Impact to the CMA Budget
The resources and expenditures associated with this phase of the project are included in FY 2008/09 and FY 2009/10 CMA budgets.