ALAMEDA COUNTY
CONGESTION MANAGEMENT AGENCY

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Memorandum

June 8, 2009
Agenda Item 6.1

Date: May 26, 2009

To: **Sunol Express Lane Joint Powers Authority**

From: Ray Akkawi, Manager of Project Delivery

Subject: I-680 Express Lane Project: Status Update – Electronic Toll System

Attached for the Board's review and acceptance is the status update for the I-680 Express Lane project – Electronic Toll System. The CMA is the sponsor of the HOT element of the I-680 Express Lane. However, the construction phase of the civil elements of this project is administered by Caltrans. The status report covers all activities through April 30, 2009.

Background
The 14 mile I-680 Express Lane extends from Highway 84 in the City of Pleasanton to Highway 237 in the City of Milpitas. The project will widen the existing facility to allow the conversion of the HOV lane to Express (HOT) Lane. When the express lane is opened it will allow carpools to travel free of charge and would charge a toll for single occupancy vehicles to use the excess capacity in the High Occupancy Toll (HOT) lane. The scope of the project consists of two elements; the Civil Element, widening to accommodate HOT; and the Electronic Toll System Element that includes the Dynamic Pricing.

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Alameda County
EXPRESS LANES

I-680 HOV/EXPRESS LANE PROJECT
Electronic Toll System
Status Report
For
May, 2009

PROJECT DESCRIPTION

The I-680 Express Lane project will allow carpools to travel free of charge and would charge a toll for single occupancy vehicles to use the excess capacity in the High Occupancy Toll (HOT) lane. This project will widen I-680 to accommodate the existing High Occupancy Vehicle (HOV) lane and the planned HOT lane; construct improvements to provide a HOT lane along southbound I-680 from State Route (SR) 84 to Santa Clara County SR 237; and rehabilitate the existing pavement.

The Electronic Toll System component of the project includes the Dynamic Pricing Software, the Vehicle Detection System, the Vehicle Tolling Devices, the Data Toll Center, the Communications / Data Transfer, and the interface with Caltrans Traffic Management Center, Bay Area Toll Authority – Tolling Center, and the California Highway Patrol.

CONTRACT STATUS

Contract Status: The Electronic Toll System (ETS) contract was awarded to ETC on December 18, 2008. The notice to proceed (NTP) to perform phase 1 of the contract, that is to coordinate with the civil contractor(s), Caltrans, and BATA was issued mid January 2009. Notice to proceed to perform the work on phase 2 of the ETS contract was issued to ETC mid February 2009. Two contract change orders were issued to allow changes to communication plan and the use of SenSys traffic detection devices in the Express Lane in lieu of the inductive loop detectors.
Due to changes in the enforcement methodology, additional change orders will be required to add more enforcement gantries and handheld devices. However, a change order to eliminate the mobile readers (installed in the cruiser) will offset some of the added cost.

Several design workshops took place in the month of April to discuss the dynamic pricing algorithm, the handheld enforcement devices, the interaction with Caltrans Traffic Management Center and interface with BATA Customer Service Center. These workshops identified the parameters for each issue and presented them to the agencies for review and comments. Further design workshops are scheduled for May and June to work through and validate the requirements and design.

SCHEDULE STATUS

A revised System Integrator baseline schedule was reviewed and accepted by the staff and the system manager. The revised baseline schedule shows an earlier completion of August 2010. A combined schedule for all civil (HOV widening) contracts and the System Integrator is attached

OUTSTANDING ISSUES/DISPUTES/CLAIMS

There are no outstanding issues. Below is the contract change order log for the System Integrator contract.

CONTRACT CHANGE ORDERS LOG

Contract: $4,940,926 Contingency:$570,000 O&M $786,074

CCO Number	Contingency Amount	Reason For CCIF	Dollar Amount Requested by this CCIF	Revised Contingency Amount
	$570,000.00			$570,000.00
1	$570,000.00	Comms Alt.	($202,181.00)	$772,181.00
2	$772,181.00	SenSys Alt.	$168,034.00	$604,147.00