

Client

Caltrans District 7
Allen Chen
213.897.8922

Location

Los Angeles and Ventura
Counties, California

Services

- Traffic Engineering
- Software Engineering
- Evaluation

Date

2006

Key Personnel

Dan Lukasik, P.E.
Jackie Golob

Traffic Studies and Ramp Metering Analysis on Interstate-210

Scope of Services

Delcan was selected to provide consulting services to support the design and deployment of a modified freeway metering control algorithm in the I-210 corridor and design support during the installation of ramp metering on the western un-metered segment.

Project Description

The project includes adding additional features to the Freeway Ramp Metering Control Algorithm named System Wide Adaptive Ramp Metering (SWARM) which is deployed as part of the Advanced Transportation Management System (ATMS). An evaluation of the benefits of freeway to freeway connector metering and High Occupancy Vehicle (HOV) by-pass lane metering is part of the study. The intent is to evaluate the contribution of such metering approaches to the reduction of recurrent bottlenecks on the western section of the I-210 in both directions.

Results

In addition, the project will provide a new ATMS interface that allows the sharing of Corridor Operation System information with regional/local transportation management agencies in compliance with the Los Angeles County Regional Intelligent Transportation System (ITS) Architecture.



