

**Client**

Caltrans District 8

**Location**

San Bernardino and Riverside Counties, California

**Services**

- Plans and Specifications
- System Design Element for a new Transportation Management Center (TMC)

**Date**

2007

**Key Personnel**

Dan Lukasik, P.E.

## Inland Empire Transportation Management Center

**Scope of Services**

Delcan is the prime contractor to Caltrans District 8 to develop plans and specifications for the systems design element of a new Transportation Management Center (TMC) for the Inland Empire.



This contract involves the following elements:

- Development of power and environmental estimates for transportation management systems
- Development of equipment rack assignments, point-to-point cabling requirements and equipment rack elevation drawings
- Development of changes required to the District 8 fiber optic field element network to accommodate the cutover from the existing TMC to the new facility
- Development of plans to bring fiber optic networks into the TMC building
- Design and development of telephone, video and data networks, operator workstation consoles and video display systems for the TMC operations room
- Development of requirements for the building architect to design flexible sub-floor electrical and signal cabling to accommodate TMC reconfiguration
- Review of building architect's plan for overhead cable trays
- Staff cutover requirements to accommodate office moves from existing to new facility

**Project Description**

This TMC will be a joint Caltrans / California Highway Patrol center and will include provisions for CHP dispatch communications and to connect the California Office of Emergency Services (OES) Emergency Command Center during major emergencies. The contract amount was \$250,000 and the work effort commenced in February 2006.

**Results**

This contract continues Delcan's proven reputation in the design and development of TMCs, their associated IT systems, and the fiber optic and wireless communications networks that connect a variety of field elements used to inform the public, provide congestion and event information and control traffic.