

Client

Caltrans District 12

Location

Orange County,
California

Services

- Architectural Design
- System Design
- Software Development

Date

2004

Key Personnel

Derek Pines

Intermodal Transportation Management Centre

Scope of Services

Delcan Corporation was contracted by Caltrans District 12 to design and construct an Intermodal Transportation Management Center (ITMC) which utilized the current technology in open systems architecture.

Project Description

This project provided for architectural design, system design and software development services for the new InterModal Transportation Management System (ITMS). The new ITMS is responsible for management of traffic on 143 miles of Orange County freeways and serves to coordinate freeway operation activities of Caltrans with the California Highway Patrol (CHP), Freeway Service Patrol (FSP), local cities and other agencies, thereby providing a coordinated response to congestion producing traffic incidents caused by congestion. The ITMS also serves as a major node of the Caltrans Advanced Transportation Management System (ATMS) test bed which provides facilities and resources for academic research by California Universities and other project partners.

Results

The ITMC design incorporated a new 6000 sq. ft. state-of-the-art facility in the existing Caltrans building to house the new ITMS. The facility features an operations theater with large multi-screen video Tele-conference facilities. The ITMS design is based on open systems standards and consists of computer servers and multimedia graphics workstations integrated by a high speed LAN and WAN.

