

Client

Caltrans District 7
Allen Chen
213.897.8922

Location

Los Angeles, California

Services

- Systems Integration
- Software Development
- Requirements Analysis
- Design Work
- Testing
- Training
- Technical Writing

Date

2004

Key Personnel

Dan Lukasik, P.E.

CALTRANS District 7 Modeshift

Scope of Services

Delcan was contracted by Caltrans District 7 to manage all aspects of the systems engineering process, perform requirements analysis and various designs, developed a browser based user application that provided transit and car route trip recommendations, and provided training and support manuals for the operational aspects for a test trip planning project.



Project Description

The Modeshift project was intended to enhance Caltrans' commitment to the support of increased commuter use of transit services within the region. Specifically, the Modeshift function was directed at the development of a travel information system that would provide the general public with accurate, real-time and consistent access to traveler information for a selected Los Angeles County deployment site.

Modeshift was a Showcase Early Start project whose various partners included: Caltrans District 7, Los Angeles County Metropolitan Transportation Authority, City of Los Angeles Department of Transportation, County of Los Angeles Department of Public Works, Southern California Association of Governments, South Coast Air Quality Management District, California Highway Patrol, and the Ventura County Transportation Committee.

Results

Accessible through a public Website, Modeshift places particular emphasis on providing data that encourages shifts in travel mode choices, particularly from vehicular to transit options. Modeshift data includes freeway traffic flow data, incident and event information, and transit data. This information allows travelers to make informed decisions about their travel choices by creating trip itineraries detailing both vehicular and transit trip options. Modeshift analysis requires real-time freeway data collected from vehicle detection stations in order to assess travel times along alternative routes and recommend optional routes.