

Client

Peter Liu
Project Manager
Los Angeles County
Metropolitan
Transportation
Authority (LACMTA)
213.922.2813

Location

Los Angeles, USA

Services

- Software Development and Integration
- Regional Communications Network Design and Implementation
- Development of Regional Configuration Management Plan
- Stakeholder Outreach

Date

2001-2004

Key Personnel

Jackie Golob

Glenn Murphy

Contract Value

\$4.2M

Regional Integration of Intelligent Transportation Systems (RIITS)

Scope of Services

The Regional Integration of an Intelligent Transportation System (ITS) in Los Angeles County is a regional Network. It interconnects multiple agencies and transportation modes for the purpose of exchanging information, developing a configuration management plan, and developing and implementing a roadmap for future integration of various transportation management facilities and systems throughout Los Angeles County. The purpose of this project was to improve multi-modal transportation efficiency throughout the region.



Project Description

The project developed a plan for regional integration of ITS management centers, a framework for configuration management of the regional system, and a partnership consortium to enable the on-going development and implementation of the system. RIITS was architected based on Web Services technologies, which allowed for the exchange of data over the Internet, produced a framework to support center-to-center operations, and provided an XML data messaging interface. This evolution allowed the system to be viewed in a standard Web browser and to be ported to wireless devices. The project also included an initial deployment of a network with 15 transportation management and emergency management agency connections for the exchange of transportation-related information, including freeway and arterial traffic congestion and events, bus and rail information, and video surveillance.

Agencies connected in the initial deployment included LACMTA Bus Operations, LACMTA Rail Operations, Caltrans-District 7, City of Los Angeles-Department of Transportation, Ports of Long Beach and Los Angeles, California Highway Patrol, Los Angeles County Fire Department, Los Angeles County Sheriff Department., Los Angeles Police Department., Long Beach Transit, Los Angeles County Department of Public Works, Santa Monica Transit, LAX Airport, and Access Services Paratransit.