

# Abstract Submission Form



## 2010 ITE Western District Annual Meeting

*San Francisco, CA  
June 27-30, 2010*

Paper Title:

Enhancing Regional 511 Traffic Information Using Incident Management Databases

Relevant Session/Topic:

ITS Applications/Research

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Abstract: 250 words maximum. Use 12 point Arial font, single space.

This project proposes a methodology to provide traveler information about the potential the impacts of Emergency Medical Service (EMS)/Computer Aided Dispatch (CAD) events on local traffic by integrating these data into an enhanced regional 511 traveler information system.

The Sacramento Council of Governments (SACOG) plans to implement a second generation of the Sacramento Region 511 travel information service in the next five years. SACOG currently provides a basic 511 travel information system that is a portal to travel information sources. The new 511 system will take advantage of the extensive information network available via the proposed STARNET (Sacramento Transportation Area Network) Project.

This paper successfully proposes a methodology and demonstrates using Caltrans and California Highway Patrol (CHP) data how traffic data and incident data can be married to produce information useful to travelers. This project involved the integration of emergency services data to identify those events which directly and indirectly affect traffic conditions. The second phase involved identifying and reviewing the documented work of existing enhanced 511 systems throughout the U.S. A complete inventory of existing CAD/EMS data and available transportation data in the Sacramento region has been identified, defining terminology/codes used for different types of events by the various contributing agencies. With this information, a method to identify the most pertinent events from incident databases for use by transportation engineers and the traveling public. The third phase involved developing a methodology to estimate traffic impacts for integration into the regional traveler information network.

**Abstracts are due by 5:00pm on Monday, January 4, 2010.**

e-mail your abstracts to:

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