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TITLE: Development of a Conceptual Integrated Traffic Safety Problem Identification Database

DATE: December 1999

AUTHOR(S): Paul Choate

REPORT NUMBER: 186

SUMMARY:

The project conceptualized a traffic safety risk management information system and statistical database for improved problem-driver identification, countermeasure development, and resource allocation.

The California Department of Motor Vehicle Driver License (DL) and Vehicle Registration (VR) database systems, the California Highway Patrol Statewide Integrated Traffic Records System (SWITRS), and the National Highway Traffic Safety Administration (NHTSA) Fatality Analysis Reporting System (FARS) each provide valuable information on crashes in California for conducting problem identification analyses, developing and evaluating traffic safety programs, and allocating services. The project explored these four primary systems and investigated several additional data sources suggested by the project advisory committee, including the California Department of Transportation Traffic Accident Surveillance and Analysis System, the Department of Health Services Hospital Discharge Database, and the Department of Justice Criminal Justice Information System.

Based on a review of the existing systems and inputs from a project advisory committee of representatives of leading national and state traffic safety research interests, the department has decided to develop a prototype ITSPID system that would integrate the DL, VR, SWITRS, and FARS databases.