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SafeTREC is a University of California Berkeley research center affiliated with the Institute of Transportation Studies and the School of Public Health.

It is home to approximately 15 full-time staff and researchers and 10 to 20 student researchers at any given time. SafeTREC seeks and conducts externally supported research, provides educational courses through the Department of Civil Engineering and the School of Public Health, coordinates major transportation safety programs for the State of California through the Office of Traffic Safety, the California Highway Patrol, and Caltrans, and develops and delivers community-based training programs.

SafeTREC's mission is the reduction of transportation-related injuries and fatalities through research, education, outreach, and community service. Motor vehicle crashes are the number one cause of death for people aged one to 34 in the US—and a major cause of minor and debilitating injuries for all age groups.

SafeTREC's research goal is to effectively tap UC Berkeley's diverse community of experts in public health, transportation engineering and planning, vision, human factors, technology, and other disciplines to execute research for clients in California, the US, and abroad.

SafeTREC Research Areas

- Advanced Technologies Deployed for Traffic Safety
- Backing Crashes
- Child Passenger and Child Pedestrian Safety
- Cost-Effectiveness of Traffic Safety Interventions
- Crash Analysis and Methodology
- Driveway and Parking Lot Injuries Among Young Children
- DUI (Alcohol-Involved) Crashes
- Effects of Transportation Corridor Features
- Estimating Pedestrian Accident Exposure
- Geocoding Statewide (SWITRS) Crash Data
- High Crash Concentration Locations
- High-Visibility Enforcement Programs
- HOV Lane Safety Studies
- International Traffic Safety
- Intersection Crashes
- Land Use and Traffic Safety
- Latino Traffic Safety
- Motorcycle Safety
- Older Drivers
- Pedestrian and Bicycle Counting & Programming Methodology
- Pedestrian and Bicycle Safety and Corridor Analysis
- Public Health Preparedness
- Public Transportation
- Railroad Crossings
- Rural Traffic Safety
- Seat Belt Use
- Speeding
- Teenage Drivers
- Traffic-Related Burdens of Disease for California Population Groups
- Workplace Injuries
- Vulnerable or Underserved Populations

SafeTREC Program, Policy, Planning, and Outreach

- Click It or Ticket Grant Administration
- Pedestrian Safety Planning and Training
- DUI Grant Administration (Sobriety Checkpoints)
- Safe Routes to School Evaluation

Please visit our Web site for more information about us.
www.safetrec.berkeley.edu

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TIMS Transportation Injury Mapping System

TIMS is a suite of Web-based tools created by researchers at the UC Berkeley Safe Transportation Research and Education Center (SafeTREC). Users can select collisions based on numerous criteria and map them. TIMS is free and open to the public. Users register and are assigned a password. Go to <http://www.tims.berkeley.edu>.

The two most comprehensive TIMS tools are based on the California Statewide Integrated Traffic Records System (SWITRS) database of serious and fatal collisions. Currently, TIMS has SWITRS data from 2000-2008. Newer data will be added as it becomes available. A third TIMS tool maps 2008 data from the national Fatal Analysis Recording System (FARS). TIMS staff have also generated interactive pdf maps showing school-based data and collisions for every school in California.

SWITRS Query & Map

Users can create queries choosing among numerous factors and generate data files that can be downloaded. They can also create pin maps in Google maps and Google Maps Street Views of collisions selected.

Collision Details

Case ID#	3748953
County	ALAMEDA
City	ALAMEDA
Date	03-15-2008
Time	23:25
Nearby Intersection	SHOPELINO OIL & KITTY HOUND RD
Coordinates Location	37.728155464, -122.2618454
Imjured Victims	0
Fatalities	1
Alcohol	YES
Weather	Clear
Primary Collision	Unkn's Speed
Involved with	Pedestrian

Street View

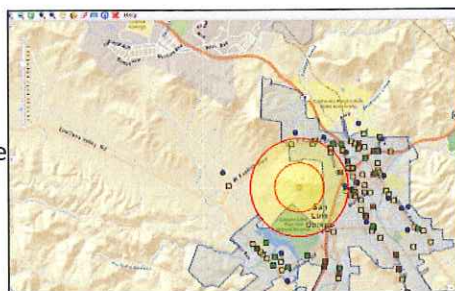
FARS Collision Map

Type in any address in the US to see the 2008 fatal collisions in the area. Each collision marker contains FARS data such as date, number of victims, and other factors.



SWITRS GIS Map

Select a county in California and perform the same queries available in the SWITRS Query & Map tool, but with more graphical options, such as drawing tools for custom shapes, collision symbols, and information overlays including census tracts, zip codes, and traffic analysis zones.



School-Based Collision Maps

TIMS makes available interactive geospatial PDF planning maps for each city and county in California. Maps provide a visual depiction of schools, street-level pedestrian and bicycle crashes, school free and reduced price meal eligibility, and other data.

