

Utilizing Safe Routes to School Pedestrian & Bicycle Collision Maps

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Overview

- Introduction to TIMS
- SRTS Pedestrian & Bicycle Collision Maps
 - Geospatial PDF
 - Using PDF features
 - Adobe version differences
- Working with TIMS mapping tools
 - Uploading collision CaseIDs
 - Zooming to a school address

Transportation Injury Mapping System (TIMS)

- Provides data and mapping analysis tools and information for traffic safety related research, policy and planning.
- Free account application, open to everyone
- <http://tims.berkeley.edu>

SWITRS Query & Map Tool

- Data query focused application
 - Quick results, quick refresh
- One page summary statistics
- Download collision, party, victim files
- Google Maps collision display
 - 5,000 collisions limit
 - Collision points clustered until zoomed in

SWITRS GIS Map

- Map-centric collision viewing with other data layers (census tracts, TAZ, schools, etc.)
- Same collision query UI as Query & Map tool
- 500 collisions display limit
- Focused collision spatial selection tools
 - Drawing
 - Buffer (intersection or corridor)
 - Region (TAZ, census tract, zip code)

SRTS Pedestrian & Bicycle Collision Maps

- Maps for each city and county in California
- Showing schools, street-level pedestrian and bicycle crashes, school free and reduced price meal eligibility, and past state and federal SRTS grant awards.
- <http://tims.berkeley.edu/resources/srts/main.php>

Geospatial PDF Capabilities

- Adobe Reader 9 or higher
- Analysis Tools
 - Object Data Tool
 - Geospatial Location Tool
- Allows display and identifying of map layers (schools, crashes, etc.)

PDF Demonstrations

Differences between Adobe 9 and X

- Adobe 9 Reader & Pro
 - Analysis tools in the Tools > Analysis menu
 - A toolbar that can be added to menu bar
- Adobe X Reader
 - Analysis tools in the Edit > Analysis menu
 - No toolbar, just select individual tool
- Adobe X Pro
 - Tools menu exists

Working with TIMS mapping tools

- Demonstration
 - Uploading collision CaseIDs
 - Zooming to a school address

Collision Severity

- CRASHSEV variable:
 - 1 - Fatal
 - 2 - Injury (Severe)
 - 3 - Injury (Other Visible)
 - 4 - Injury (Complaint of Pain)
- *Only severity 1 & 2 currently in TIMS. Severity 3 & 4 being added by July.

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