

2002 Indiana Road School

Indiana Traffic Record System Advancements



Bob Zahnke
Director - CATS

Traffic Record System Changes...

↗ State Level

- System Issues (hardware & software)
- Crash Form Issues

↗ Local Level

- Sensitive to Current Level of Sophistication
- Recognize the “Pluses” & “Minuses”

State - System Issues

↗ Current System

- IBM Mainframe
- “Rigid” System
- Cannot Accept Electronic Data
- Cannot Perform Queries on Data
- Labor Intensive
- Approximately 18 Months Behind

State - Crash Form Issues

↗ “Paper” Format

↗ “Rigid” Technology

↗ Not Current - (SUVs & cell phones)

↗ Commercial Crashes Require the Use of an Additional Form

State - System Changes

↗ Architecture

- Minimum Data Entry
- Single Data Entry
- Scan-tron
 - Source of Data
 - Archive Completed Crash Forms
- Receipt of Completed Electronic Crash Forms
- Incorporation of GIS for Crash Location

State - Crash Form Changes

↗ Format

- Eliminated the Overlay
- Increased to 4 Pages
- Organized by “Area” and Color Coded
- Open Architecture
- Electronic Version
- Drawing Tool (Electronic Version of Form)

State - Crash Form Changes

↗Content

- Combined the Truck & Bus Supplemental Form and Standard Officers' Crash Form
- Additional Data Elements - MMUCC Compliant
 - Aggressive Driving
 - Address Up to 5 Injured People
 - Eliminated "Driver Inattention"

State - Crash Form Changes

↗Content (continued)

- Road Elements
 - Highest Road Classification
 - Rumble Strips
 - Construction Zone Details
 - Traffic Controls Operational

State - Crash Form Changes

➤ Ongoing...

- Status of SR-21 (Drivers' Form)
- Electronic Version of Form

A Snapshot....

The image shows a scan of a California SR-22 form, which is used to certify that a driver has the minimum required liability insurance. The form is divided into two main sections: 'A' for 'Personal and Commercial' and 'B' for 'Personal and Commercial'. Each section contains a list of checkboxes for different types of vehicles and drivers. The form is filled out with 'X' marks in the checkboxes, indicating that the driver is covered for various types of vehicles and is a licensed driver. The form also includes fields for the driver's name, address, and the insurance company's name and address.

Timing...

↗System

- Operational - Late in 2002/Early 2003
- Existing System - Maintained Until Existing Crash Form Data Entered

↗Crash Form

- Paper - Introduced March 2002
- Electronic - Early Spring 2002

Impact on Local Agencies

↗System

- PC Based - Operates on Windows 98 +
- Ability to Analyze Own 2002 Data
- More Reliable Data Analysis

↗Crash Form

- Training of Officers
- Guidelines

Long Term Impact - State & Local

- Timely Data
- Higher Quality Data
- More Efficient & Lower Cost
- Enhanced Ability to Analyze Crashes
- Fewer Crashes and Fewer Fatalities

For Further Information...

➤ Contact:

- Bob Zahnke
- Purdue University
- Center for the Advancement of Transportation Safety - (CATS)
- 765-496-3716
- email - rzahnke@ecn.purdue.edu
- Web Site - <http://www.ecn.purdue.edu/cats>

