

2004 Indiana Road School

Indiana Traffic Record System Advancements – An Update



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Traffic Record System Changes...

➤ State Level

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

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

A Snapshot....

Fill in only <u>one</u> primary cause for the crash.							
Fill in up to <u>two</u> ovals per vehicle for Driver Contributing Circumstance.			A	Fill in <u>one</u> oval per vehicle for Vehicle and Environment Contributing Circumstance.			
Primary Cause	Vehicle 1	Vehicle 2		Primary Cause	Vehicle 1	Vehicle 2	
Driver Contributing Circumstance				Vehicle Contributing Circumstance			
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Alcoholic Beverages	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Engine Failure or Defective
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Illegal Drugs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Accelerator Failure or Defective
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Driver Apparently Asleep	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Brake Failure or Defective
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Prescription Drugs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tire Failure or Defective
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Driver Illness	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Headlight(s) Defective or Not On
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Unsafe Speed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other Lights Defective
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Failure to Yield Right of Way	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Steering Failure
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Disregard Signal/Regulatory Sign	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Window/Windshield Defective
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Left of Center	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Oversize/Overweight Load
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Improper Passing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Insecure/Leaky Load
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Improper Turning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Tow Hitch Failure
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Improper Lane Usage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other (Explain in Narrative)
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Following Too Closely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	None
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Unsafe Backing	Environment Contributing Circumstance			
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Overcorrecting/Oversteering	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Glare
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Ran Off Road Right	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Roadway Surface Condition
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Ran Off Road Left	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Holes/Ruts in Surface
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Wrong Way on One Way	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Shoulder Defective
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Pedestrian's Action	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Road Under Construction
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Passenger Distraction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Severe Crosswinds
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Violation of License Restriction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Obstruction Not Marked
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Jackknifing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Lane Marking Obscured
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Cell Phone Usage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	View Obstructed
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other Telematics in Use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Animal on Roadway
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other (Explain in Narrative)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Traffic Control Inoperative/ Missing/Obscured
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	None	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Other (Explain in Narrative)
				<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	None

2004 Crash Form Update

- New form – introduced March 2002
- Old form – phased out December 2002
- New form – “modified” October 2003
- Electronic form – introduced December 2003

Other Points...

➤ Backlog of 2001 and 2002 crash forms

- 2001 – complete
- 2002 – estimated date – May 2004
- 2001 and 2002 crashes are located using GIS

➤ 2003 Crash reports

- “Close” date – April 2004

➤ SR – 21

- Began with a backlog of drivers involved in approximately 350,000 crashes
- Current backlog – approximately 2 – 3 months
- Using a scanning and matching technology

Phase II – Est. Date – Nov. 2004

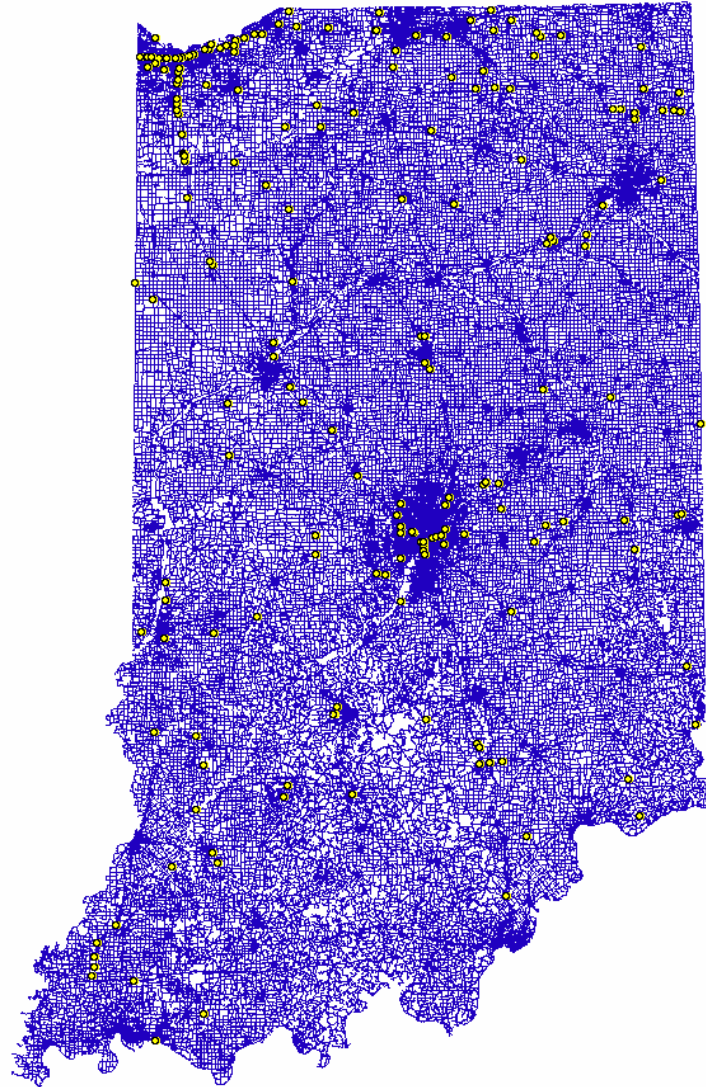
➤ Website and Agency Portal Access

- Law enforcement – query and map crashes
- “Canned” reports (using current data)
- Ad hoc reports capabilities
- Access to 10 years of data

2001 Indiana SNET Reported Crashes

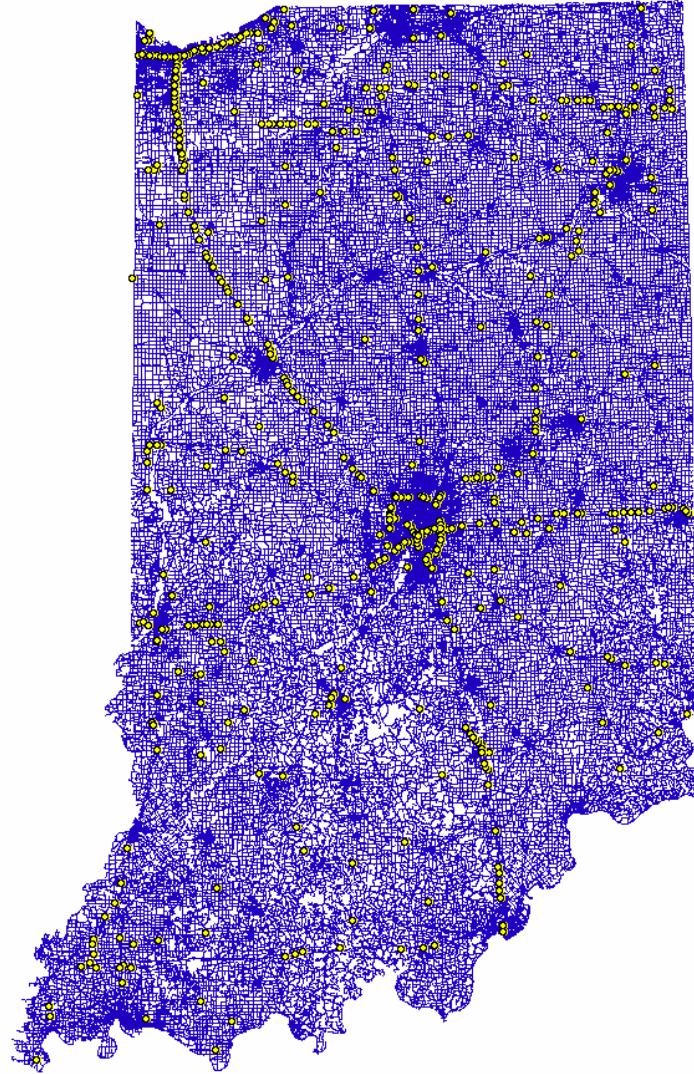
Crashes With Primary Contributing Circumstance:

-Unsafe Speed

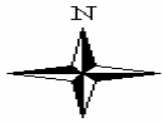


2001 Indiana SNET Reported Crashes

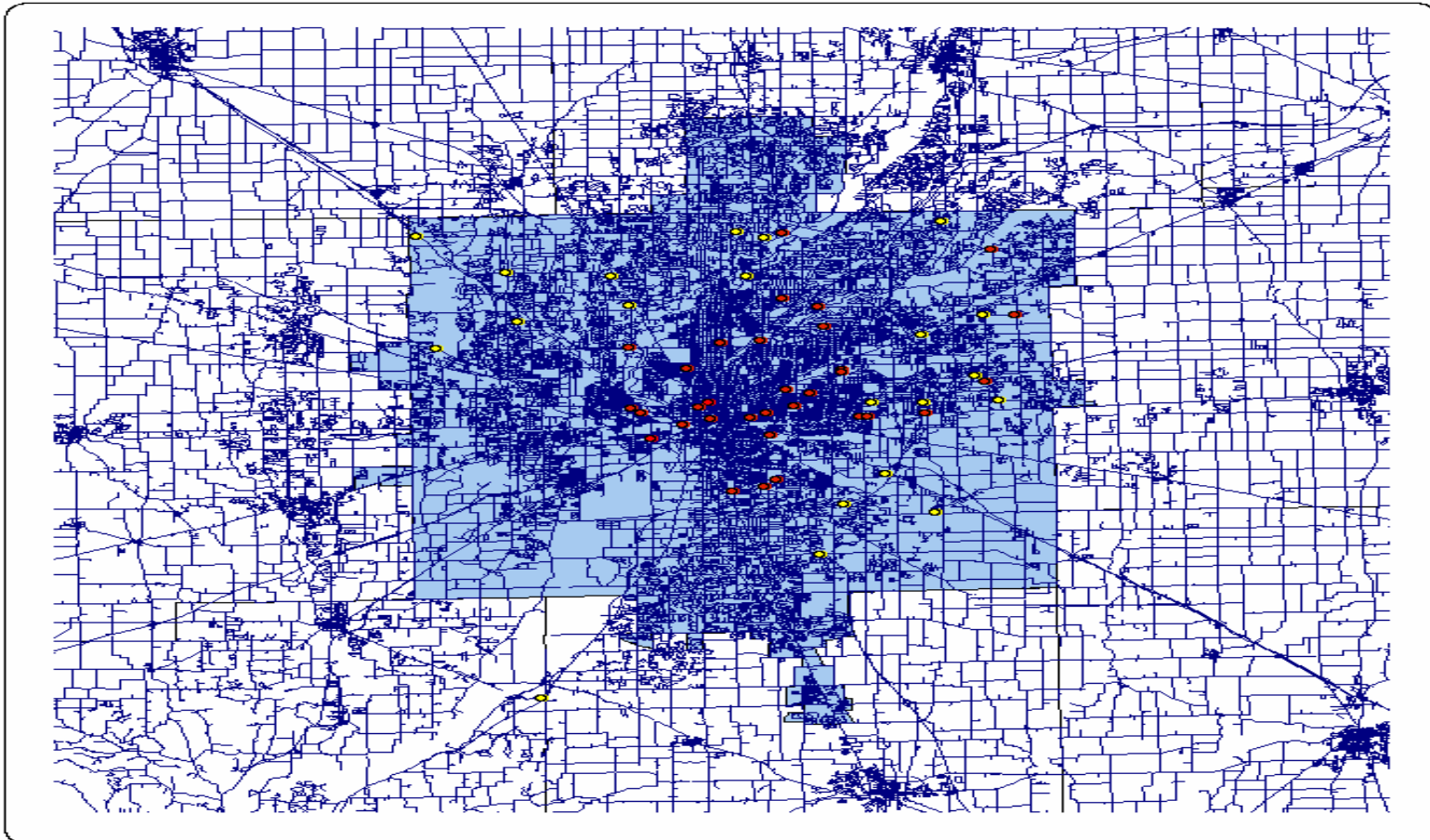
Crashes by Investigating Agency:
-Indiana State Police



Marion County Fatal Crashes Urban vs. Rural



- Marion Fatal Urban Crashes
- Marion Fatal Rural Crashes
- Indiana Roads
- Indianapolis Urban Area Boundary
- County Lines



Hurdles....

- Timely submittal of completed reports
- Quality of Data
- Selling of reports

For Further Information...

➤ Contact:

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