2004 Indiana Road School

Indiana Traffic Record System Advancements – An Update

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Director - CATS
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....

<table>
<thead>
<tr>
<th>Driver Contributing Circumstance</th>
<th>Vehicle Contributing Circumstance</th>
<th>Environment Contributing Circumstance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcoholics Beversage</td>
<td>Engine Failure or Defective</td>
<td>Glare</td>
</tr>
<tr>
<td>Illegal Drugs</td>
<td>Accelerator Failure or Defective</td>
<td>Roadway Surface Condition</td>
</tr>
<tr>
<td>Apparent Drug Abuse</td>
<td>Brake Failure or Defective</td>
<td>Holes/Ruts in Surface</td>
</tr>
<tr>
<td>Driver Apparently Asleep</td>
<td>Tire Failure or Defective</td>
<td>Shoulder Defective</td>
</tr>
<tr>
<td>Prescription Drugs</td>
<td>Headlight(s) Defective or Not On</td>
<td>Road Under Construction</td>
</tr>
<tr>
<td>Driver Illness</td>
<td>Other Lights Defective</td>
<td>Severe Crosswinds</td>
</tr>
<tr>
<td>Unsafe Speed</td>
<td>Steering Failure</td>
<td>Obstruction Not Marked</td>
</tr>
<tr>
<td>Failure to Yield Right of Way</td>
<td>Window/Windshield Defective</td>
<td>Lane Marking Obscured</td>
</tr>
<tr>
<td>Disregard Signal/Regulatory</td>
<td>Oversize/Overweight Load</td>
<td>View Obscurred</td>
</tr>
<tr>
<td>Left of Center</td>
<td>Insecure/Leaky Load</td>
<td>Animal on Roadway</td>
</tr>
<tr>
<td>Improper Passing</td>
<td>Tow Hitch Failure</td>
<td>Traffic Control Inoperative/</td>
</tr>
<tr>
<td>Improper Turning</td>
<td>Other (Explain in Narrative)</td>
<td>Missing/Obscured</td>
</tr>
<tr>
<td>Improper Lane Usage</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Following Too Closely</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unsafe Backing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overcorrecting/Oversteering</td>
<td></td>
<td></td>
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<tr>
<td>Ran Off Road Right</td>
<td></td>
<td></td>
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<tr>
<td>Ran Off Road Left</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wrong Way on One Way</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pedestrian's Action</td>
<td></td>
<td></td>
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<tr>
<td>Passenger Distraction</td>
<td></td>
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<tr>
<td>Violation of License Restriction</td>
<td></td>
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<tr>
<td>Jackknifing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cell Phone Usage</td>
<td></td>
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<tr>
<td>Other Telematics in Use</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other (Explain in Narrative)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Fill in only one primary cause for the crash.

Fill in up to two ovals per vehicle for Driver Contributing Circumstance.

Fill in one oval per vehicle for Vehicle and Environment Contributing Circumstance.
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
Hurdles....

- Timely submittal of completed reports
- Quality of Data
- Selling of reports
For Further Information...

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