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....

<table>
<thead>
<tr>
<th>Driver Contributing Circumstance</th>
<th>Vehicle Contributing Circumstance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcoholic Beverages</td>
<td>Engine Failure or Defective</td>
</tr>
<tr>
<td>Illegal Drugs</td>
<td>Accelerator Failure or Defective</td>
</tr>
<tr>
<td>Driver Apparently Asleep</td>
<td>Brake Failure or Defective</td>
</tr>
<tr>
<td>Prescription Drugs</td>
<td>Tire Failure or Defective</td>
</tr>
<tr>
<td>Driver Illness</td>
<td>Headlight(s) Defective or Not On</td>
</tr>
<tr>
<td>Unsafe Speed</td>
<td>Other Lights Defective</td>
</tr>
<tr>
<td>Failure to Yield Right of Way</td>
<td>Steering Failure</td>
</tr>
<tr>
<td>Disregard Signal/Regulatory Sign</td>
<td>Window/Windshield Defective</td>
</tr>
<tr>
<td>Left of Center</td>
<td>Oversize/Overweight Load</td>
</tr>
<tr>
<td>Improper Passing</td>
<td>Insecure/Leaky Load</td>
</tr>
<tr>
<td>Improper Turning</td>
<td>Tow Hitch Failure</td>
</tr>
<tr>
<td>Improper Lane Usage</td>
<td>Other (Explain in Narrative)</td>
</tr>
<tr>
<td>Following Too Closely</td>
<td>None</td>
</tr>
<tr>
<td>Unsafe Backing</td>
<td></td>
</tr>
<tr>
<td>Overcorrecting/Oversteering</td>
<td></td>
</tr>
<tr>
<td>Ran Off Road Right</td>
<td></td>
</tr>
<tr>
<td>Ran Off Road Left</td>
<td></td>
</tr>
<tr>
<td>Wrong Way on One Way</td>
<td></td>
</tr>
<tr>
<td>Pedestrian's Action</td>
<td></td>
</tr>
<tr>
<td>Passenger Distraction</td>
<td></td>
</tr>
<tr>
<td>Violation of License Restriction</td>
<td></td>
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<tr>
<td>Jackknifing</td>
<td></td>
</tr>
<tr>
<td>Cell Phone Usage</td>
<td></td>
</tr>
<tr>
<td>Other Telematics in Use</td>
<td></td>
</tr>
<tr>
<td>Other (Explain in Narrative)</td>
<td></td>
</tr>
<tr>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Environment Contributing Circumstance
- Glare
- Roadway Surface Condition
- Holes/Ruts in Surface
- Shoulder Defective
- Road Under Construction
- Severe Crosswinds
- Obstruction Not Marked
- Lane Marking Obscured
- View Obstructed
- Animal on Roadway
- Traffic Control Inoperative/Missing/Obscured
- Other (Explain in Narrative)
- 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
Hurdles....

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

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