



Data Improvement



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A Traffic Records System is key to implementation of all highway safety countermeasures and is the key ingredient to their effective and efficient management.

Contents:

- Arizona Traffic Records System
- GTSAC and the SHSP
- Query Tool
- Arizona TraCS

Arizona Traffic Records System

The Arizona Traffic Records System (TRS) is defined as a warehouse of independent and separate data systems which collectively form the information base for the management of the highway and traffic safety activities for the state and its local agencies. At the state level, state agencies use traffic safety data to make highway safety planning decisions and to evaluate the effectiveness of programs such as; identifying the locations enforcement should patrol, re-routing of emergency vehicles to a hospital better prepared to handle the specific trauma or injury, or where traffic engineers should use their limited funds to make roadway improvements.

The six traffic-related systems shown in yellow comprise the Arizona TRS which is housed by the Arizona Department of Transportation. On January 4, 2009, the data from the first system – Crash - became available to agencies for analysis with limited access to the Roadway data. Although this crash data has always been available, this was the first time local agencies could log into the data warehouse and electronically access their data.

The Bureau of EMS is in the process of launching its Premier EMS Agency Program – Health/EMS data - which was developed in conjunction with the National EMS Information System (NEMESIS). The EMS data will also be used to create “sanitized” extracts for use in research, problem identification, and program evaluation.



GTSAC and the SHSP

In most areas of life, a zero is an undesirable number, but not when it comes to traffic fatalities. Here, zero is the only acceptable number, because Every One Counts!

The Governor's Traffic Safety Advisory Council (GTSAC) is working together to develop strategies to achieve its goal of Zero Fatalities on Arizona's roadways. Among the Council's accomplishments is the Arizona Strategic Highway Safety Plan (SHSP), which provides a blueprint for state and local transportation agencies developing comprehensive highway safety plans in the context of education, engineering, enforcement and emergency medical service (the 4Es), as well as management and operations. The plan has identified six key emphasis areas: restraint usage, speeding, young drivers, impaired driving, roadway/roadside and data improvement.



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Query Tool

The Arizona Traffic Records System (TRS) query tool is a web-based software application that will allow local agencies to view and perform analysis on their traffic related data stored in the TRS warehouse. For the first time on January 4, 2009, local agencies were able to log into



the warehouse and mine and downloaded their data utilizing basic spreadsheet and report queries. This feature eliminated the need for local agencies to have to contact the State, define what data queries or results were desired, state personnel having to write and run the query and then return the requested data to the local agency. The TRCC's next step is to provide innovative and comprehensive web-based geospatial analytical tools which will further enhance access, visualization and analytical capabilities of this query tool.

Arizona TraCS

Arizona Traffic and Criminal Software (AzTraCS) is the incident data collection software that the TRCC will make available to local law enforcement agencies in the summer of 2009. Currently in limited use by Phoenix PD and Department of Public Safety, it is considered the national standard and is successfully deployed in 17 other states. AzTraCS will provide electronic versions of the Arizona Traffic Forms including crash and citation to using agencies. Similar software systems can cost law enforcement agencies thousands of dollars per unit while AzTraCS will be free.

TraCS Benefits:

- **Saves Time Filling Out Forms:**

Common information tables are shared between forms and used to fill in repeated data on individuals, vehicles, carriers and location.

Mag stripe reader and default values reduce key strokes.

- **Data Validation:**

Business rules built in.

Customizable drop-down lists.

Map incident location tool.

- **Increased Accuracy:**

Automated data entry eliminates typographical errors.

Map incident location tool automatically fills in the location fields from a map.

- **Saves on Data Entry:**

No need for a data entry person to enter data in database.

- **TraCS is Free:**

Funded by the Arizona Traffic Records Coordinating Committee.

Training, support and software updates provided by the State TraCS Team.



AzTraCS
Arizona Traffic and
Criminal Software



In addition to providing the traffic forms, TraCS utilizes and interfaces with many technologies that assist the officers in the field and the administrators in the office and makes their jobs easier and faster. One of these technologies is the incident location tool. Within a TraCS form, an officer can choose to launch the incident location tool, navigate to the correct area, and select the location where the incident occurred. The relevant location information (e.g. road name, latitude, longitude, distance from closest reference point, etc.) is then automatically transferred to the form(s). This technology eliminates the habitual problem of incorrectly spelled street names, missing suffixes, or street aliases. See the GTSAC website at www.gtsac.org for more information.

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