

5.3.2

Mississippi DOT Safety Analysis Management System – Detailed Design and Alpha Software Release

Presenter

Matt Hiland
GeoDecisions
mhiland@geodecisions.com

Co-Presenter

The SAMS project was initiated in 2004 to help meet one of the key objectives of the MDOT Strategic Safety Plan: to improve the information and decision support system. MDOT contracted GeoDecisions to design and develop a Web-based, GIS-enabled application and supporting geospatial data repository. SAMS will enhance the ability of MDOT traffic engineers and other users to perform both basic and advanced analyses of crash data and roadway characteristics. These analyses range from simple query of crashes and visualization of their locations on a map, to comprehensive statewide analyses of high-crash locations, identification of possible countermeasures, benefit/cost analysis, and countermeasures effectiveness. The project has completed the requirements definition and conceptual design phases, as well as the detailed design and initial development of the Alpha release of the software. This presentation will discuss and possibly demonstrate some of the key features developed for the Alpha release, lessons learned during the initial development phase, and next steps for completing the production system.

The opinions, findings, and conclusions in this publication are those of the author(s) and not necessarily those of the Mississippi Department of Transportation, the Mississippi Transportation Commission or the State of Mississippi.