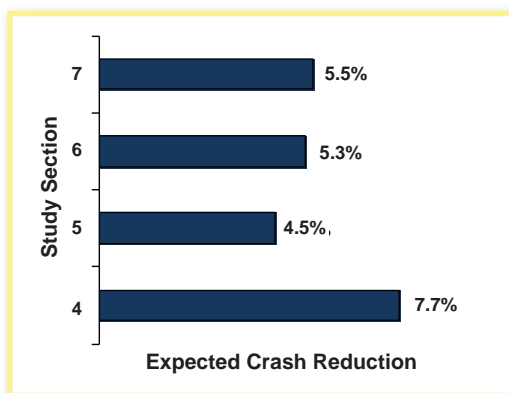


Get Serious About Safety with AASHTO's *Highway Safety Manual, 1st Edition*

Get Transparent Safety

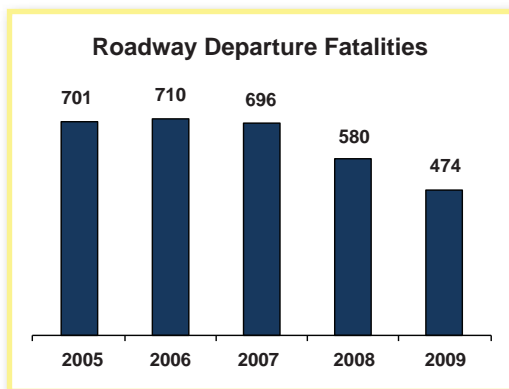
Highway improvement projects are built with safety in mind. But, the *Highway Safety Manual* (HSM) predictive tools can demonstrate to the public the expected number and severity of crashes of multiple design alternatives.



For example, Kansas DOT used the HSM to predict the safety benefit of adding and extending passing lanes to portions of US 50 Highway.

Get Measurable Safety

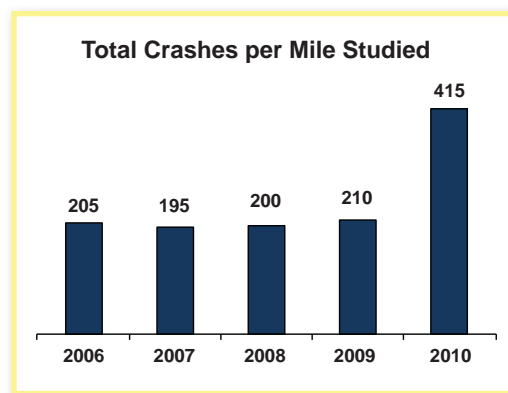
Our transportation programs are committed to improving the safety of our highway system. The HSM predictive tools can help address specific safety needs.



Illinois DOT used the HSM tools to help reduce roadway departure fatalities by over 30 percent.

Get Efficient Safety

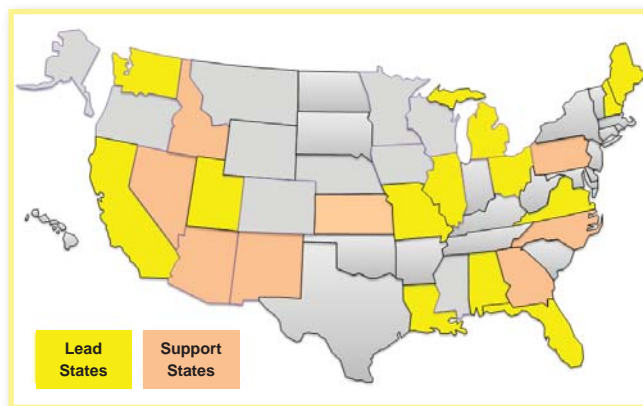
All public agencies are being asked to do more with less. The HSM provides tools that will allow your agency to focus resources on locations with the highest potential for safety improvement.



In an effort to focus their resources, Ohio DOT increased the effectiveness of its safety studies two-fold using the HSM.

Get On-Board with Safety

The HSM is already being implemented by DOTs around the nation. NCHRP Project 17-50 identified 13 lead states and 8 support states identified for their proactive use of the HSM.



While many states have demonstrated effective safety management prior to the HSM, these states have shown the practical benefits of this new tool.

Safety Is No Accident

The *Highway Safety Manual* (HSM) represents new methods for analyzing safety. This flyer addresses a few questions regarding this publication.

Who needs the HSM?

The HSM provides methods to integrate quantitative estimates of crash frequency and severity into planning, project alternatives analysis, and program development and evaluation, allowing safety to be considered at all levels of transportation decision making. The tools presented in the HSM are scalable so they can be implemented by DOTs with robust data warehouses and processing capability or by local authorities with little more than a laptop.

Is use of the HSM mandated?

The HSM was created to be a resource with value to all transportation professionals. However, if after reading all three volumes you do not feel the same be comforted that there is no federal mandate, or other force, requiring you to use it.

What is planned for future editions of the HSM?

While the HSM is being recognized as a ground-breaking tool for highway infrastructure safety analysis, AASHTO, the Transportation Research Board, and the Federal Highway Administration are working together to improve the breadth and depth of safety performance analysis capabilities. Ongoing and upcoming research will expand the knowledge and tools. Like all decision-making tools the first edition of the HSM has its recommended applications and its limitations. Even with its current limitations, the HSM provides transportation professionals a powerful instrument to add to their analysis toolbox, to aid in the decision making process.

Can the HSM help prioritize Highway Safety Improvement Program projects?

YES. The HSM helps identify sites with the most potential for reducing crash severity or frequency, and potential countermeasures for addressing factors contributing to crashes and expected benefits. The

HSM can also help conduct economic appraisals of improvements to use for prioritizing projects, calculate the effects of design alternatives on crashes, and estimate crash frequency and severity on highway networks and potential effects of transportation decisions.

What resources are available to support the HSM?

- Sites for the HSM itself
 - Highway Safety Manual website: www.highwaysafetymanual.org
 - Purchase the HSM: bookstore.transportation.org
- Tools to support the HSM
 - Interactive Highway Safety Design Model (IHSDM) website: www.ihsdm.org
 - SafetyAnalyst website: www.safetyanalyst.org
 - Crash Modification Factors Clearinghouse: www.cmfclearinghouse.org
 - Training courses available at: nhi.fhwa.dot.gov and usroadwaysafety.org

For additional information and resources, contact Kelly Hardy (khardy@aaashto.org).

