



INDOT Office of Roadway Safety and Mobility

Manager: Brad Steckler

- Programs and Office Structure
- Policies and Procedures
- Safety Studies and Initiatives



Roadway Safety and Mobility Main Responsibilities

The RSM Office acts as the managers for programs that fall in 3 main areas. Our duty is to assist in meeting overall state performance goals in the areas of safety, mobility and non-motorized travel. The RSM Office acts as the Gate Keepers for all projects accepted into these programs areas.

Roadway Safety aims to Reduce Crash Rates and Severity on both the State Road System and on the Local Road Network.

Mobility (Minor Congestion) works to optimize the expenditure of available resources to achieve the largest practical Reduction in Travel Delay by focusing on travel efficiency at spot locations.

Greenways is intended to implement projects to establish a statewide "Backbone" of multimodal trails and other facilities in accordance with the Indiana Greenways Vision and Implementation Masterplan.



Office of Roadway Safety and Mobility Funding Programs:

- **SAFETY Programs –**
 - (HSIP) Highway Safety Improvement Program
 - (HRRR) High Risk Rural Roads
 - (SRTS) Safe Routes To School Program
 - (RHCS) Rail / Highway Crossing Safety Program
 - (HES) Hazard Elimination Safety (*Legacy*) Program
- **MOBILITY (Minor Congestion Relief) Program -**
 - State CMAQ Program
 - General Congestion Relief Program
- **GREEN MOVES Program**



Office of Roadway Safety and Mobility Program Managers:

Lead, Coordinate and Encourage development of their programs. In addition, they act as the chairs of the various Advisory Committees:

- Roger Manning – SHSP, Training & Outreach Manager
- Jeremy VanVleet – HSIP Program Manager
- Vacant - HRRR Program Manager
- Mike O'Loughlin – SRTS Program Manager
- Kevin Knoke – RHCS Program Manager
- Mike Holowaty – HES Program Manager
- Jan Dodd – State CMAQ Manager
- Aschalew Atya – General Congestion Manager
- Ray Irvin – Green Moves Manager



Office of Roadway Safety and Mobility Office Structure

- The RSM Staff consists 2 EXBBs, 10 engineers, 2 PATs and 2 EAs.
- All of the engineers are qualified to lead a Safety Investigation Team and produce Engineer Review Documents.
- The RSM Office currently has two “On Call” consultant firms to assist with Engineering Review Documents:
 - The Corradino Group
 - Edwards and Kelcey, Inc.



Office of Roadway Safety and Mobility Policies:

- Many of the programs have an “*Advisory Committee*” consisting of representatives of INDOT Central Office and Districts along with FHWA and MPO representation (and sometimes other state agencies) to advise on working policy and procedures.
- For programs that fund local projects (HES and SRTS) the Advisory Committee also acts as the approval authority for the selection of projects for funding from state and local applications.
- Calls for new projects will occur on a minimum annual schedule and may be more frequent for some programs or years.
- The majority of safety projects will require Crash Analysis Studies taking place before and after project construction. Each study will require a minimum of data for 3 calendar years in both time periods.
- The use of Hazard Analysis Tool (HAT) Software is encouraged



Office of Roadway Safety and Mobility Procedures

- One of 3 levels of Engineering Review will be performed for each project to determine “**Project Intent**”
 - Abbreviated Engineering Review (2 page form)
 - Intermediate Engineering Review – moderate level of analysis and process documentation
 - Comprehensive Engineering Review – advanced analysis required, multiple alternative screening and recommendation



Office of Roadway Safety and Mobility Safety Programs

- **Roadway Safety Mission:** Reduce Crash Rates and Severity both on the State Road System (Interstate, US and SR Roads) and on the Local Road Network (County Roads and Local Streets).
- The national goal for all state safety programs is to reduce fatalities to a level at or below 1.0 fatalities per 100 million Vehicle Miles of Travel (VMT) by 2011.



Office Of Roadway Safety and Mobility Other Duties

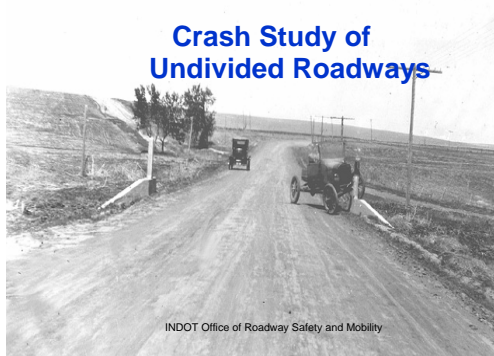
- Develop and maintain the **Strategic Highway Safety Plan**
- Annual reports to FHWA on status of “**CORE**” **Safety Programs** established under **SAFETEA-LU**
- Perform Interchange Justification (IJ) Studies as needed.
- Train and advise staff and partners in the use of safety and congestion management tools. e.g.
 - HAT, Site Investigator, HCS, Modeling Software, etc.
- Assist in development of new crash countermeasures thru:
 - Intersection Safety Plan
 - Track Industry Developments
 - Programmatic Crash Studies



Office of Roadway Safety and Mobility Programmatic Studies

One of INDOT's goals is to determine if low cost improvements to the road system might lead to lower crash rates.

There are currently 16 studies underway to look for correlation of crash types to various user and physical factors.





Office of Roadway Safety and Mobility 16 Programmatic Studies

- Interstate Median Crashes
- Median and Shoulder Type/Width
- Deer Crashes
- Driver/Vehicle/Environment
- Off-Roadway w/ Fixed Object
- Undivided Roadways
- Railroad/Highway Crossing (surface)
- Geographic Crash Distribution
- Motorcycle Crashes
- “Hot Spots” Pattern Concentrations
- Heavy Truck Crashes
- Aggressive Driving Behavior
- Bicycle Crash Patterns
- Rural Collector and Local Road Crash Rates
- Pedestrian Crashes
- Intersection Crash Patterns



Office of Roadway Safety and Mobility

- Questions?

Program Fund Managers:

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Greenways – Ray Irvin

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