

New safety literature

2012 Roadmap to State Highway Safety Laws

Advocates for Highway and Auto Safety has released a report that explores the cost of motor vehicle crashes and explores the traffic safety laws of all 50 states and the District of Columbia.

http://www.saferoads.org/files/file/FINAL%20ROADMAP%20REPORT-%201_6_2012.pdf

Data Analysis of Grade Crossing Incidents

The Federal Railroad Administration has released a fact sheet that explores ways to apply a European metric to U.S. data that calculates the average value of highway traffic and the average value of train traffic to determine highway-rail grade crossing incident rates.

http://www.fra.dot.gov/rpd/downloads/RR_Data_Analysis_of_Grade_Crossing_Incidents_final.pdf

Success Factors in the Reduction of Highway-Rail Grade Crossing Incidents

The Federal Railroad Administration has released a fact sheet that explores safety factors that were responsible for the reduction of highway-rail grade crossing incidents.

http://www.fra.dot.gov/rpd/downloads/RR_Success_Factors_and_Grade_Xing_Incidents_final.pdf

The Road Safety Monitor 2011: Drinking and Driving in Canada

The Traffic Injury Research Foundation has released a fact sheet that summarizes national results from The Road Safety Monitor, 2011, on drinking and driving in Canada.

http://www.tirf.ca/publications/PDF_publications/RSM_2011_Drinking_Driving_Eng_1.pdf

Proven Safety Countermeasures Website

The U.S. Federal Highway Administration's Office of Safety has launched a new website that includes links to detailed descriptions, related research studies, and evaluations of nine research-proven countermeasures, superseding the 2008 guidance on the consideration and implementation of proven safety countermeasures. The nine countermeasures highlighted on the site address crashes that occur in the focus areas of intersections, pedestrians, and roadway departure.

<http://safety.fhwa.dot.gov/provencountermeasures/>

Safety Data, Analysis, and Evaluation 2011, Volume 1

TRB's Transportation Research Record: Journal of the Transportation Research Board, No. 2236 consists of 13 papers that explore measuring the influence of accessibility on accident severity; relation of flow, speed, and density of urban freeways to functional form of a safety performance function; the effects of mobile phone use on accident risk; separation of safety effects of multiple improvements; model of relationship between interstate crash occurrence and geometrics; and analysis of naturalistic driving event data.

This issue of the TRR also examines traffic conflict risk for merging vehicles on highway merge section, safety performance functions for bicycle crashes in New Zealand and Australia, cyclist safety at signalized intersections, speed profile variation as a road network screening tool, conflict models for single-lane roundabout slip lanes, longitudinal analysis of traffic crashes, and understanding causality of intersection crashes.

<http://trb.metapress.com/content/p0412634863g/?p=7f02d501752040c99472618c74566fd1&pi=11>

Driving for Work: Managing Speed

The European Transport Safety Council has released a report that provides insight into tackling speeding among employees driving for work.

<http://www.pacts.org.uk/docs/pdf-bank/PRAISE%20Thematic%20Report%208%20Driving%20for%20Work%20Managing%20Speed.pdf>

Reporting on Serious Road Traffic Casualties

The International Transport Forum has released a report that identifies and assesses methodologies for linking different sources of accident data in order to improve estimates of the actual number of road traffic casualties.

<http://www.internationaltransportforum.org/irtadpublic/pdf/Road-Casualties-Web.pdf>

Rural Safety News: December 2011

The Center for Excellence in Rural Safety at the University of Minnesota has released the latest issue of its rural safety electronic newsletter, which highlights research and resources concerning rural safety.

<http://www.ruralsafety.umn.edu/publications/ruralsafetynews/2011/04/>

Road User Effect Models – The Influence of Rut Depth on Traffic Safety

VTI (the Swedish National Road and Transport Research Institute) has released a report that explores the relationship between roadway rut depths and safety. The report is in English.

<http://www.vti.se/en/publications/pdf/road-user-effect-models--the-influence-of-rut-depth-on-traffic-safety.pdf>

State of Knowledge: Female Drunk Drivers

The Traffic Injury Research Foundation has released a report that provides information on the current state of knowledge about drunk driving among female drivers.

http://www.tirf.ca/publications/PDF_publications/state_of_knowledge_female_impaired_drivers_11.pdf

Seat Belt Use in 2011 - Overall Results

The National Highway Traffic Safety Administration has released a fact sheet that estimates seat belt use in 2011 at 84 percent, statistically unchanged from 85 percent in 2010. The fact sheet also gives belt use rates by regions, law type, and by major occupant group characteristics.

<http://www-nrd.nhtsa.dot.gov/Pubs/811544.pdf>

Analysis of Alcohol-Impaired Young Drivers in Fatal Crashes

The U.S. National Highway Traffic Safety Administration has released a report that examines the relationship between the blood alcohol concentrations (BACs) of young drivers 16 to 20 years old and a comparison group (drivers 21 to 34) involved in fatal crashes and the following factors: restraint use, previous driving while intoxicated (DWI) conviction, driver license status, number of vehicles involved in the crash, speed limit, vehicle type, number of vehicle occupants, driver gender, time of day, day of week, holiday period, season, rural/urban status, and region of the country.

<http://www-nrd.nhtsa.dot.gov/Pubs/811525.pdf>

Recent Major Improvements in Road Safety in the U.S.: Changes in the Frequency of Crashes or the Severity of the Outcome of Crashes?

The Transportation Research Institute at the University of Michigan, Ann Arbor, has released a report that introduces a new methodology for evaluating the relative contributions of the changes in the frequency of crashes and the severity of the outcome of crashes to the recent large improvement in road safety in the United States.

<http://deepblue.lib.umich.edu/bitstream/2027.42/88160/1/102766.pdf>

Improving Global Road Safety

The United Nations (UN) has released a report that reviews implementation of the various UN General Assembly resolutions on road safety during the period October 2009 - August 2011. The report provides an account of activities undertaken and achievements attained by the global road safety community.

The report also includes a number of recommendations for consideration by the General Assembly to promote efforts to improve global road safety.

http://www.who.int/roadsafety/about/resolutions/sept_2011_sg_report_en.pdf

Investigation into the Use of Point-to-Point Speed Cameras

The New Zealand Transport Agency (NZTA) has released a report that explores point-to-point (P2P) speed camera technology, the application of these devices in New Zealand, and the sites that may be suitable for these devices.

According to NZTA, P2P cameras operate by photographing all vehicles passing both the start and end of a section of road under consideration. The photographs are time stamped which allows travel time to be derived. Computer software identifies the number plates of passing vehicles and matches the images taken.

<http://www.nzta.govt.nz/resources/research/reports/465/docs/465.pdf>

On the Move for Safer Roads in Europe: Newsletter #7

The European Commission's Directorate-General for Mobility and Transport has released the latest issue of its periodic newsletter that highlights programs, projects, and activities designed to help make roads safer in Europe.

http://ec.europa.eu/transport/road_safety/pdf/news/nl7_en.pdf

IIHS Status Report: Vol. 46, No. 11, December 2011

The Insurance Institute for Highway Safety (IIHS) has released the latest issue of its Status Report magazine. The issue highlights the record number of automobile models that received IIHS' Top Safety Pick for 2012.

<http://www.iihs.org/externaldata/srdata/docs/sr4611.pdf>