Key Intersection Safety Resources

Intersections are critical components of the highway network. They are essentially "planned points of conflict" where all road users—passenger cars, heavy trucks, motorcycles, bicycles, and pedestrians—must be assigned the right-of-way in an orderly and safe fashion when moving through intersections. The many complexities and safety issues associated with intersections are covered in the publications, CDs, and training courses and through technical assistance offered through the Federal Highway Administration (FHWA) listed below.

Current Publications and Multimedia Products

- 2002 National Agenda for Intersection Safety
- Roadway Safety Tools for Local Agencies – NCHRP Synthesis 321
- Low Cost Local Road Safety Solutions (ATSSA, NACE)
- Common Sense Solutions to Intersection Safety Problems – LTAP Training Program CD
- Roundabouts: An Informational Guide (FHWA-RD-00-067)
- Roundabout brochure: *Your community deserves a lot less . . .*
- Red Light Camera Systems Operational Guidelines (FHWA-SA-05-002)
- Red Light/Green Light video & CD
- Red Light Running PSAs (audio and video with Q&As)
- Safety Evaluation of Red Light Cameras (FHWA-HRT-05-048)
- Making Intersections Safer: A Toolbox of Engineering Countermeasures to Reduce Red Light Running
- Signalized Intersections: Informational Guide (FHWA-RD-00-067)
- Field Guide for Inspecting Signalized Intersections to Reduce Red-Light Running (FHWA-SA-05-008)
- Innovative Intersection Safety Improvement Strategies and Management Practices: A Domestic Scan (FHWA-SA-06-016)
- Toolbox on Intersection Safety and Design
- Intersection Safety Issue Briefs
- NCHRP Report 500, Guidance for Implementation of the AASHTO Strategic Highway Safety Plan: Volume 5: *A Guide for Addressing Unsignalized Intersection Collisions* and Volume 12: *A Guide for Reducing Collisions at Signalized Intersections*
- Synthesis of the Median U-turn Intersection Treatment, Safety and Operational Benefits (FHWA-HRT-07-033 – Tech Brief)
- Traffic Performance of Three Typical Designs of New Jersey Jughandle Intersections (FHWA-HRT-07-032 – Tech Brief)
- Safety Assessment of Interchange Spacing on Urban Freeways (FHWA-HRT-07-031 – Tech Brief)
- Railroad Highway Grade Crossing Handbook (FHWA-SA-02-007)
- Sample Intersection Safety Action Plan
- Comprehensive Intersection Resource Library (FHWA-SA-06-001 CD)

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Services

- FHWA provides technical assistance to States in the development of intersection safety action plans.
- FHWA and LTAP centers provide technical assistance to State and local agencies in the analysis of crash data.

Training

- Designing and Operating Intersections for Safety (3-days – FHWA-NHI-380074)
- Signalized Intersection Guidebook Workshop (1-day – FHWA-NHI-380078)
- Intersection Safety Workshop (1-day – FHWA-NHI-380077)
- Roundabouts Informational Guide Workshop (1-day)
- Railroad-Highway Grade Crossing Improvement Program (FHWA-NHI-380005)
- Interactive Highway Safety Design Model (FHWA-NHI-380071)
- Low Cost Safety Improvements Workshop (FHWA-NHI-380076)

FHWA Publications Planned or Under Development

- Summary of available Crash Reduction Factors
- Strategic Intersection Safety Program Guide
- NCHRP 500 Vols. 5 & 12 fact sheets & brochure
- Update of FHWA Roundabout Brochure: *Your community deserves a lot less . . .*
- Technical summaries on roundabouts, mini-roundabouts, access management around intersections, and new technologies
- Presentations (30 & 60 mins.) on intersection safety
- Intersection Road Safety Audit Guidelines
- Updated status of the 2002 National Agenda
- Guidelines on non-traditional intersection designs
- Red-light running brochure
- Public information brochure on intersection safety
- Marketing of advanced technologies for intersection safety
- Updated Intersection Safety Issue Briefs
- Intersection safety "success stories"

For additional information on intersection-related material, visit our Safety Website at: http://safety.fhwa.dot.gov, or contact Ed Rice, Intersection Safety Team Leader, at (202) 366-9064 or Ed.Rice@dot.gov.

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