

FHWA Report Summary

Field Guide for Inspecting Signalized Intersections to Reduce Red-Light Running

Background

Red-light running at intersections is a national safety problem, resulting in approximately 900 – 1,000 fatalities annually. The problem is complex and typically requires a balanced application of engineering, enforcement, and education measures. “Intentional” red-light runners are typically most affected by law enforcement measures while “unintentional” violators are most affected by engineering countermeasures.

Report Features

This 2005 guide is a companion document to the report *Making Intersections Safer: A Toolbox of Engineering Countermeasures to Reduce Red-Light Running*. It suggests a procedure for conducting an investigation of a specific intersection that has been identified as a red-light running problem site to identify possible engineering deficiencies that could be contributing to violations and crashes, and to form initial opinions as to possible countermeasures. Possible items to consider when performing a review include:

- Visibility/conspicuity of signal indication;
- Signal timing and phasing
- Traffic operations; and
- Geometric design and pavement condition.

To assist with an investigation, an Intersection Field Inspection Form can be found at the end of the guide.

Contacts

For more information on how to obtain a copy of this report contact the FHWA Report Center by email to report.center@dot.gov, by fax to (301) 577-1421 or by phone at (301) 577-0818, or contact Ed Rice, Intersection Safety Team Leader at (202) 366-9064, or ed.rice@dot.gov. A copy of the field inspection form can be downloaded directly from the FHWA website at <http://safety.fhwa.dot.gov>. Report Number is FHWA-SA-05-008.



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