

## FHWA Report Summary

### ***Innovative Intersection Safety Improvement Strategies and Management Practices: A Domestic Scan***

#### **Background**

Intersections are critical components of the highway network and are used by all road users—motorists, bicyclists, pedestrians and others. They are among the greatest highway safety challenges because they are some of the most common highway features, each having numerous conflict opportunities. It is estimated that there are over 3 million intersections in the United States, of which around 300,000 are signalized.

Intersection crashes account for more than 45 percent of all reported crashes, approximately 50% of all injuries, and 21 percent of all fatalities. This safety problem is complex and typically requires a balanced application of engineering, enforcement, and education measures.

#### **Report Features**

This 2006 publication documents the findings of a domestic scan of innovative intersection safety processes, practices and treatments in the states of Florida, Michigan, North Carolina, Oregon and Texas that have been demonstrated to, or have the potential to, improve safety at intersections.

The safety practices and treatments are presented in the following broad areas:

- Safety management and comprehensive safety processes;
- Traffic control devices for motorists;
- Traffic control and other devices for pedestrians, bicyclists, and other non-motorists;
- Traffic operational practices;
- Geometric design treatments; and,
- Enforcement practices and educational programs.

Descriptions and photographs are presented for these treatments, along with names of individuals who can be contacted for additional information on each one.

#### **Contacts**

For more information on how to obtain a copy of this report, please see the FHWA website at <http://safety.fhwa.dot.gov>, or contact Ed Rice, Intersection Safety Team Leader at (202) 366-9064, [ed.rice@dot.gov](mailto:ed.rice@dot.gov). The report number is FHWA-SA-06-016.



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