

## Priority, Market-Ready Technologies and Innovations

### PEDSAFE

New

#### **Problem: Walking frequently has been overlooked in the quest to build sophisticated transportation systems**

The tools available in the Pedestrian Safety Guide and Countermeasure Selection System (PEDSAFE) are designed to enable practitioners to effectively select and review engineering, education, or enforcement treatments to mitigate a known crash problem or to help change motorist and/or pedestrian behaviors.

#### **Putting It in Perspective**

- In 2003, 4,749 pedestrians were killed and approximately 70,000 were injured in traffic crashes in the United States.

#### **Solution: Provide practitioners with the latest information available for improving the safety and mobility of those who walk**

PEDSAFE is an online system designed to assist practitioners with the selection of countermeasures to address pedestrian safety and mobility problems. It is the next generation of the FHWA report titled *Pedestrian Facilities User Guide—Providing Safety and Mobility* (FHWA-RD-01-102). PEDSAFE is available in hard copy or on CD-ROM and can be ordered at [http://safety.fhwa.dot.gov/ped\\_bike/ped\\_bike\\_order.htm](http://safety.fhwa.dot.gov/ped_bike/ped_bike_order.htm).

The PEDSAFE system includes several interactive tools and is designed to:

- Provide information on the countermeasures available for preventing pedestrian crashes and/or improving motorist and pedestrian behavior.

- Highlight the purpose, considerations, and cost estimates associated with each countermeasure.
- Provide a decision process to select the most applicable countermeasures for a specific location.
- Provide links to case studies showing the various treatments and programs implemented in communities around the country.
- Provide easy access to resources such as statistics, implementation guidance, and reference materials.

#### **Successful Applications:**

This project is new, with no known applications to date.

#### **Deployment Statement**

Information on PEDSAFE is detailed in a one-page flyer (FHWA-SA-05-001) that can be distributed at conferences and other events.

#### **Deployment Goal**

Localities use the PEDSAFE countermeasure selection system to develop and implement potential countermeasures and solutions to help solve their crash problems.

#### **Deployment Status**

As of December 2005, all hard copies of PEDSAFE had been distributed. FHWA, however, is in the process of printing 2,500 additional copies, which should be available by March 1, 2006. In addition, as of December 2005, approximately half of the 5,000 PEDSAFE CD-ROMS had been distributed.

The Pedestrian Safety Guide and Countermeasure Selection System is intended to provide practitioners with the latest information available for improving the safety and mobility of those who walk. The online tools provide the user with a list of possible engineering, education, or enforcement treatments to improve pedestrian safety and/or mobility based on user input about a specific location. [\[read more\]](#)

**Resources:**

- Background** – understand what is needed to create a viable pedestrian system.
- Crash Statistics** – learn about the factors related to the pedestrian crash problem.
- Crash Analysis** – learn how crash typing can lead to the selection of the most appropriate countermeasures.
- Objectives** – learn how selected treatments may address many requested improvements to the pedestrian environment.
- Implementation** – read about the necessary components for implementing pedestrian treatments.
- More Info** – access additional information through a variety of resources.
- Downloads** – access print versions of the guide and other relevant materials.

**Available Tools:**

- Selection Tool** – find appropriate countermeasures on the basis of desired objectives and specific location information.
- Interactive Matrices** – view the countermeasures associated with crash types and performance objectives.
- Countermeasures** – read descriptions of the 49 engineering, education, and enforcement treatments.
- Case Studies** – review real-world examples of implemented treatments.

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The PEDSAFE system.

### Additional Resources

For more information on pedestrian safety, visit [http://safety.fhwa.dot.gov/ped\\_bike/ped/index.htm](http://safety.fhwa.dot.gov/ped_bike/ped/index.htm).

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