

ROADWAY SAFETY IMPROVEMENT PROGRAM



COURSE DESCRIPTION:

The purpose of this course is to provide participants with methods for implementing effective, low-cost safety improvements targeted at high crash areas. It emphasizes the basic and enhanced application of traffic control devices, low cost safety improvements, and their specific safety benefit (crash reduction factors). Traffic crash data collection, identification of hazardous locations, and engineering study procedures are also discussed. Emphasis is placed on low-cost solutions that may be made at the local level.

Application of low cost safety measures such as traffic control devices is often done on a nominal or minimal basis based upon nominal standards detailed in the MUTCD. To obtain a better substantive safety performance, the *enhanced* application of traffic control devices can now be linked to quantifiable safety assessments. A substantial body of research and engineering study over the past decade has been synthesized into this workshop for application as low cost safety improvements. Low cost safety improvements and their specific safety benefits – crash modification factors associated with specific application measures - are presented in a systematic, ready to use format.

Workshop participants present situations that they are currently seeking to address. These situations are discussed in detail and candidate countermeasures identified in the final workshop session.

TOPICS:

1. Introduction and Background
2. Identification of High Crash Locations
3. Roadside Hazards
4. Signing and Marking and Lighting
5. Enhanced Applications of Signing and Markings
6. Unsignalized Intersections
7. Traffic Signals
8. Low Cost Safety Improvements Improvement Exercises
9. Innovative Applications of Traffic Control Devices – Beyond the MUTCD

LEARNING OBJECTIVES:

Upon completion of the seminar, the attendee will be able to:

- Use the six-step crash mitigation process,
- Identify the nine groups of countermeasures for identified crash patterns,
- Determine appropriate crash modification factors/crash reduction factors,
- Describe intersection types, conflict points, and characteristics of collision types, and
- Identify innovative applications of traffic control devices.

INSTRUCTOR:

Mark Hood is a transportation safety engineer with Pennsylvania LTAP. He has over five years of progressive experience assisting PENNDOT and over 2,500 municipalities in PA in identifying their traffic and pedestrian safety deficiencies through classroom and in-the-field training, as well as research and on-site technical assistance, and utilizing the community's limited resources to improve traffic and pedestrian safety and reduce fatalities. He earned a B.S. in Civil Engineering from Swarthmore College and an M.S. in Transportation Engineering from Villanova University.

Registration Procedure

- 1) Please contact Holly Suyama at 956-8719, 956-8851 (FAX) or suyama@eng.hawaii.edu by **Friday, July 16, 2004**
- 2) Attendance is limited to 30 participants, and preference is given to local government employees.
- 3) Private company participation is on a space available basis at a fee of \$95. We will contact you indicating whether a seat has been reserved for you by July 20, 2004.

Cancellations

Please contact us if you must cancel your registration or if someone will be substituting for you. Refunds will be made if notice of cancellations is received at least 5 workdays prior to the workshop date.

Parking

Parking for the East West Center is \$4/day. If you would like to receive a parking pass, please contact us by July 16, 2004. Make checks payable to **Research Corporation of the University of Hawaii (RCUH)** and mail to:

Hawaii LTAP
University of Hawaii
Dept of Civil and Environmental Engineering
2540 Dole St, Holmes 383
Honolulu, HI 96822
Attn: Holly Suyama

ROADWAY SAFETY IMPROVEMENT PROGRAM

July 26, 2004
Or
July 27, 2004
(2 Separate Sessions)

University of Hawaii, East-West Center
Jefferson Hall, Asia Room
8:30 a.m. – 5:00 p.m.

Workshop sponsored by the
**Hawaii Local Technical Assistance
Program**

in cooperation with the
*Hawaii State Department of Transportation
University of Hawaii's Department of Civil &
Environmental Engineering
and the Federal Highway Administration*

Hawaii Local Technical Assistance Program

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