Roadside Safety Design

With Emphasis on Cable Barriers

East-West Center, Jefferson Hall, Pacific Room
1777 East West Road
Honolulu, Hawai'i

February 23-26, 2009

Session Schedule:
Monday—Wednesday
8:30 a.m.—4:30 p.m.

Thursday
8:30 a.m.—12:00 p.m.
(Cable Barriers)

Registration Procedure
1. Please contact Gail Ikeda at 808-956-8367, 808-956-8851 (FAX) or gikeda@hawaii.edu by Monday, February 9th, 2009.
2. Attendance is limited to 40 participants, and preference is given to local government employees.
3. Private company participation is on a space available basis at a fee of $620 per person.

Parking
East-West Center parking passes are available at $4/day ($16 total). If you would like a parking pass please contact us by February 9, 2009.

Payment Method
Payment for parking pass(es) may be combined with registration fees. Payment can be made via Check – payable to the Research Corporation of the University of Hawaii (RCUH), Purchase Order, Credit Card (Visa & MasterCard) or Purchasing Card. Please mail payments to:
Hawai'i LTAP
University of Hawai'i at Mānoa
Dept. of Civil & Environmental Engineering
2540 Dole Street, Holmes Hall 383
Honolulu, HI 96822

Cancellations
Please contact us if you must cancel your registration or if someone will be substituting for you. Refunds will be made if notice is received at least 3 workdays prior to the workshop date.

Registration begins at 8:00 a.m.
Lunch is on your own.
Course Description:

This course has been expanded and updated to provide an overview of the AASHTO Roadside Design Guide. At the end of the course, you will be able to apply the clear zone concept to all classes of roadways; recognize unsafe roadside design features and elements and make appropriate changes; identify the need for a traffic barrier; and apply other highway hardware core competencies.

Cable Barrier has evolved faster than any barrier system being used today. The state of the art design for cable barriers has improved on early designs and now provides a greater degree of safety for the traveling public than previous systems. The Cable Barrier Workshop discusses critical design considerations for median and roadside cable barrier systems. The Workshop gives an overview of how cable barrier has evolved and how it works. Common practitioner questions answered during the workshop are: why use cable barriers; when is cable barrier appropriate; how does it differ from other barriers in performance and design. A review of the existing available products and emerging products will be presented as well as the latest advances. Also cable myths will be addressed.

Course Outcomes:

Upon completion of the training, participants will be able to:

- Apply the clear zone concept to all classes of roadway
- Warrant roadside and median barriers
- Design roadside barriers
- Select the most appropriate end treatment
- Select the most appropriate safety hardware
- Correctly locate safety hardware
- Describe the elements of economic analysis

Target Audience:

Experienced Federal, State, and local highway engineers involved in the formulation and/or application of policies and standards relating to the design of safe roadside hardware.

Instructors:

Frank Julian
Frank is currently a Safety Engineer for the FHWA Resource Center, Safety & Design National Technical Services Team, specializing in the designing and deployment of countermeasures for road departure crashes. Mr. Julian is a 1977 graduate of Auburn University with a Bachelor of Science degree in Civil Engineering. Mr. Julian has been with FHWA since 1986 working in the Florida and Georgia Divisions and the Region 4 Office. Prior to joining FHWA, Mr. Julian worked with Alabama Department of Transportation, a consulting firm and the construction division of a large international company. Mr. Julian has been involved with the developing and teaching of the AASHTO Roadside Design Guide since 1990 and is the technical contact for NHI Roadside Safety Design Course. Mr. Julian has continued involvement with the AASHTO Technical Committee for Roadside Safety (group that writes the Roadside Design Guide) and the AASHTO Technical Implementation Group for Cable Median Barrier.

Jeffrey Shaw
Jeff is currently a Safety/Design Engineer for the FHWA Resource Center, Safety & Design National Technical Services Team, providing technology deployment and technical assistance to FHWA Division Offices, State DOTs and Local agencies across the United States. He received his Bachelor of Science degree in Civil Engineering from the Illinois Institute of Technology. Prior to joining FHWA, Mr. Shaw worked for the Illinois Department of Transportation and as a consulting engineer in Chicago and Atlanta. He has 16 years of experience in transportation engineering, is a registered Professional Engineer in Illinois, and has been board certified as a Professional Traffic Operations Engineer and Professional Transportation Planner.