Accident Reconstruction

East-West Center, Jefferson Hall,
Pacific Room
1777 East West Road
Honolulu, Hawaii 96848

Tuesday, December 6, 2011

8:00 a.m.—4:30 p.m.

Lunch is on your own.

Registration begins at 7:30 a.m.

Registration Procedure
1. Please contact Juli Kobayashi at 808-956-9006 or juli@hawaii.edu by:
   Friday, November 25, 2011.
1. Attendance is limited, and preference is given to local government employees.
2. Private company registration fee is $50 per person.

Parking
East-West Center (EWC) parking passes are available at $5/day. If you would like a parking pass please contact us by Friday, November 25, 2011. All vehicles (including government vehicles) are required to have an EWC parking pass in order to park in the EWC specified areas.

Payment
Registration 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:
Hawaii LTAP
University of Hawaii at Manoa
Dept. of Civil & Environmental Engineering
2540 Dole Street, Holmes Hall 383
Honolulu, HI 96822

Cancellations
Please contact us if you are unable to attend or if someone will be substituting for you. Refunds will be made if notice of cancellation is received at least 10 working days prior to the workshop date. Frequent no shows will result in receiving lower priority in future enrollments.
Course Description:

With the growing number of claims against roadway agencies, traffic crash investigation and reconstruction are key elements of an effective risk management program. On-scene field personnel must be aware of the data needs of the reconstructionist to gather the perishable data required for a successful defense or resolution of a claim. Understanding the capabilities and limitations of accident reconstruction will prepare agency attorneys to better evaluate a claim’s validity. At-scene and after-accident investigation and data collection are discussed. Collection techniques for roadway, vehicle and other crash-related data are described. Common reconstruction techniques and their applications are reviewed.

Target Audience:

This workshop will be of interest to engineers, technicians, public works directors, law enforcement personnel, claims investigators, attorneys and other state and local roadway personnel with responsibilities in traffic safety related areas.

Agenda:

1. Introduction
   A. Welcome
   B. Scope and Objectives of Workshop

2. Description of Accident Reconstruction
   A. Background
   B. Potential and Limitations
   C. Data Considerations and Sources

3. Accident Investigation
   A. Preparation
   B. Inspecting the Scene/Site
   C. Inspecting the Vehicle
   D. Collecting Other Evidence

4. Techniques for Accident Reconstruction
   A. Understanding Vehicle Motion
   B. Commonly Used Techniques
   C. Basic Human Factors
   D. Special Topics: Truck Crashes and Pedestrian Crashes

5. Wrap-Up
   A. Case Study
   B. Concluding Remarks

Instructor:

Ron Eck, P.E.

Dr. Ronald W. Eck, P.E. is a Professor Emeritus of Civil Engineering at West Virginia University and former Director of the West Virginia Local Technical Assistance Program (LTAP). He has been involved in crash reconstruction and forensic engineering for over 25 years and has investigated several hundred crashes. He has testified as an expert witness in roadway-related matters in over 20 states. This workshop is adapted from a training course he developed for the West Virginia DOT.