Registration Procedure
1. Please contact Gail Yamamoto at 808-956-8367 or gyamamo@hawaii.edu by Tuesday, July 5, 2011.
2. Attendance is limited, and preference is given to local government employees.
3. Private company registration fee is $1,950 per person.

Parking
Parking is available at the University of Hawaii lower campus parking structure and is $4/day upon entry.

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.

Lunch is on your own.

Registration begins at 7:30 a.m. on the first day.
Course Description:

This course is based on the "Bridge Inspector's Reference Manual" and provides training on the safety inspection of in-service highway bridges. Satisfactory completion of this course will fulfill the training requirements of the National Bridge Inspection Standards (NBIS) for a comprehensive training course. This course is not geared towards fracture critical, underwater, or complex structures.

Mid-term and final examinations based on course content will be administered to participants. The State DOT will monitor the examinations and retain the scores to qualify or certify bridge inspectors.

Target Audience:

Federal, State, and local highway agency employees and consultants involved in inspecting bridges or in charge of a bridge inspection unit. A background in bridge engineering or completion of NHI course FHWA-NHI-130054 Engineering Concepts for Bridge Inspectors is strongly recommended.

Course Outcomes:

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

- Evaluate a variety of bridges and determine the critical areas for inspection, including fatigue-prone details, and common points of deterioration and/or distress
- Review as-built plans and previous inspection reports and, based on this review, plan and conduct an effective safety inspection for common bridge types and bridge-length culverts
- Provide documentation of defects in various materials and of bridge configurations
- Recognize the need to inspect the underwater portions of bridge structures, describe the types of deficiencies to look for (e.g., scour), determine when an inspection is necessary, and identify the procedures and types of equipment available and the advantages and limitations of each
- Evaluate the severity of material deterioration and member distress and assign ratings according to coding guidance as developed by FHWA and/or the State highway agency.
- Determine when it is necessary to close the bridge (or recommend closure) because of imminent danger
- Discuss the equipment requirements for a complete inspection and demonstrate proficiency
- Recognize when further inspection, such as nondestructive testing (NDT), is required beyond the usual visual and hand tool inspection and decide what type of further inspection should be conducted

Instructors:

Dennis R. Baughman, PE

Mr. Baughman has over 38 years of structural engineering experience including project management, design, design review, analysis, inspection, investigation, evaluation of bridges, buildings, and various other structures. His duties have also included preparation of construction cost estimates and engineering proposals, construction phase engineering, bridge inspection training instruction, supervision of CADD technicians, staff engineers, and field inspection personnel.

J. Eric Mann, PE
Education: B.S., 1971, Civil Engineering, University of Texas at El Paso

Mr. Mann has an extensive 40 years of experience in design, inspection and construction engineering of highway and railway structures, and in bridge training course development and instruction. He is a project manager for bridge projects and schedules Baker’s NHI bridge inspection training courses. He assisted in the development of the Bridge Inspector's Training Manual 90 (Manual 90) and two comprehensive bridge inspection training courses. Mr. Mann has also been instrumental in updating the course curriculum and restructuring other NHI and FHWA Bridge courses.