**Registration Procedure**
1. Please contact Maria Archilla via Phone at 956-8367 between 9:00 a.m.—2:00 p.m. from Tue-Fri or email at hltap@hawaii.edu by **Friday, July 13, 2012**.
2. Attendance is limited, and preference is given to local government employees.
3. Private company registration fee is $800 per person.

**Parking**
A limited number of East West Center parking passes are available at $6/day for **Passenger Cars Only**. If you would like a parking pass please ask for one when registering. All vehicles (including government vehicles) are required to have an EWC parking pass in order to park in the EWC specified areas. Payment at the door by cash or check payable to the **Research Corporation of the University of Hawaii (RCUH)**.

Alternate parking for all vehicles is available at the University of Hawaii Lower Campus parking and is $5/day upon entry.

**Payment** (for private company registration)
Registration payment can be made via Check – payable to the Research Corporation of the University of Hawaii (RCUH). 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.
**Course Description:**

The major goals of this course are to refresh the skills of practicing bridge inspectors in fundamental visual inspection techniques; review the background knowledge necessary to understand how bridges function; communicate issues of national significance relative to the nations' bridge infrastructures; re-establish proper condition and appraisal rating practices; and review the professional obligations of bridge inspectors.

This course is based on the "Bridge Inspector’s Reference Manual," 2002 (updated in 2006) with reference to the AASHTO Manual as defined by the National Bridge Inspection Standards regulation.

Core course topics include inspector qualifications and duties, bridge mechanics, record keeping and documentation, fatigue and fracture in steel bridges, traffic safety features, safety, National Bridge Inventory (NBI) component ratings, superstructure type identification, inspection techniques and case studies for decks, superstructures, bearings, substructures, channels and culverts, and a virtual bridge inspection classroom exercise.

Optional topics include fiber reinforced plastic, inspection of truss gusset plates, inspection of adjacent box beams, bridge site signing, structure inventory and appraisal overview, common NBI miscodings, element level ratings and timber superstructures.

**Course Outcomes:**

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

- Describe the current overall condition and condition trends for the nation's bridges
- Identify the recent National Bridge Inspection Standards (NBIS) revisions
- Accurately code National Bridge Inventory (NBI) items
- Identify and document inspection observations using standard methods
- Evaluate defects based on the 2008 AASHTO Manual for Bridge Evaluation
- Code NBI components using the Recording and Coding Guide for the Structure Inventory and Appraisal of the Nation’s Bridges
- Determine if overall structure/structural member is fracture critical prone
- Accurately inspect and evaluate a bridge’s four traffic safety features
- List the keys to ensuring a safe work environment
- Explain bridge responses and bridge mechanic principles

**Target Audience:**

The target audience for this course includes Federal, State, and local agencies and private sector personnel employed in inspecting bridges or managing bridge inspection programs. The course is built to accommodate those that have completed comprehensive bridge inspection training (130055 or similar) or met the criteria for a bridge inspector under the State's procedures or requirements.

**Instructors:**

**Jeff Rowe, P.E.**

Jeff Rowe has 19 years of experience. He serves as a project manager and senior engineer for structural inspection, bridge and structural design, waterfront facilities inspection and design, and construction engineering. He has presented papers to the National Transportation Research Board and has taught and lectured at both The Citadel and Clemson University on a variety of engineering topics. He is an FHWA-certified instructor, having developed and taught NHI Course No. 130091, "Underwater Bridge Inspection." He is also active in the PONTIS User Group, participating in regional meetings and training, as well as international conferences.

**Douglas Blades, P.E.**

Douglas Blades is a structural engineer for the Office of Bridges and Structures with the Federal Highway Administration (FHWA) and a registered Professional Engineer in Maryland. He has worked with the FHWA since 2001 in various bridge roles. Prior to his current position, he worked in the Oregon and Illinois Division Offices. Currently, he works extensively with the National Bridge Inventory, FHWA Division Offices on providing oversight for the NBIS, bridge funding related issues, and bridge and tunnel inspections. He has been involved in the updates for several of the NHI bridge inspection related courses, including the Engineering Concepts for Bridge Inspectors, Safety Inspection of In-service Bridges and the Bridge Inspection Refresher Courses. He is the subject matter expert for the Bridge Inspection Refresher Training.