Concrete Pavement Construction Seminar

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

March 30, 2009
8:00 a.m. – 2:00 p.m.

Registration Procedure
1. Please contact Gail Ikeda at 808-956-8367, 808-956-8851 (FAX) or gikeda@hawaii.edu by Monday, March 16, 2009.
2. Attendance is limited, and preference is given to local government employees.

Parking
East-West Center (EWC) parking passes are available at $5/day. If you would like a parking pass please contact us by March 16, 2009. All vehicles (including government vehicles) are required to have an EWC parking pass in order to park in the EWC specified areas.

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.
Course Description:

This seminar is intended for anyone requiring detailed knowledge of concrete pavement construction operations. Critical construction elements will be discussed including basic terminology, equipment types and application, concrete mixes and batching, quality control requirements, pre-paving operations, construction operations, troubleshooting and corrective actions and other important considerations for a successful project. The information presented in this seminar is applicable to new construction, reconstruction and concrete overlays.

Who Should Attend:

This course will be applicable to almost everyone involved in a concrete paving project including designers, materials lab personnel, construction inspectors, contractor personnel, subcontractors and others.

Course Agenda:

8:00 a.m.  Introductions and opening remarks
8:15 a.m.  Overview of concrete pavement construction methods and terminology
           Slipform paving operations
           Fixed form paving operations
8:45 a.m.  Subgrade and subbase preparation
9:00 a.m.  Concrete mix design and mix optimization for paving
9:30 a.m.  Concrete batching operations and quality control procedures
10:00 a.m. Break
10:15 a.m. Concrete pavement construction operation
           Preparation
           Placement
           Finishing and texturing
           Curing
           Joint construction (headers, contraction joints, construction joints, isolation joints)
11:30 a.m. Lunch
12:30 p.m. Critical inspection issues
1:00 p.m.  Troubleshooting during construction and corrective actions
1:30 p.m.  Thin bounded concrete overlays of existing asphalt pavements
           Applications
           Evaluating the existing asphalt pavement
           Construction methods
2:00 p.m.  Adjourn

Instructor:

Dr. Michael Ayers
The Director of Education and Training for the American Concrete Pavement Association in Skokie, Illinois. He is responsible for technical issues relating to highway pavements and technology transfer activities for the ACPA. Mike has developed and is the lead instructor for a number of ACPA training courses including Concrete Pavements 101 and 201, the Annual Professors Seminar and the webinar training program. He was a primary author for the Integrated Materials and Construction Practices Manual (IMCP) and served as a principal instructor for the corresponding training course. Mike is the author of numerous design and construction-related publications and conducts seminars and training courses both in the United States and abroad.

Prior to joining ACPA, Mike was the Director of Technology Transfer at ERES Consultants (Applied Research Associates) in Champaign, Illinois. In that capacity, he was responsible for development and delivery of training courses for the Federal Highway Administration, state agencies, and private industry. He was very active in research and served as Principal Investigator for numerous federal and state funded research projects. Before joining ERES in 1996, Dr. Ayers was an Associate Professor of Civil Engineering for Oklahoma State University. He received his B.S., M.S. and Ph.D. from the University of Illinois at Urbana/Champaign. Mike, his wife and two children live on a farm in central Illinois.