Better Pavements for Hawai'i

Pavement Management, the New Honolulu City & County Design Standard, and Mix Design in Hawai'i

COURSE DESCRIPTION:

An in-depth look at some of the key technical and management factors needed to address the quality of Hawaii's pavements for the driving public. This seminar will cover (1) pavement preservation, (2) life-cycle costs associated with pavements, (3) the new Honolulu City & County pavement structural design standard, and (4) hot mix asphalt mix (HMA) design. Government agency personnel, private consultants and contractors will find the information particularly relevant to the current statewide interest in improving our roads. You need not be a pavement expert to attend; any involvement with pavements or just plain interest in them is adequate background to understand and get value out of this seminar.

This seminar will provide the background and knowledge necessary to frame a rational approach to pavement management, costs and quality in our State. All attendees receive a free copy of the **HAPI Asphalt Pavement Guide (preview it at: www.hawaiiasphalt.com)** CD-ROM and course notes.

TOPICS:

1. Pavement preservation: the long road to better pavements
2. Pavement condition rating
3. Pavement management
4. HMA pavement life-cycle costing and why it is important: the best pavement for your dollar
5. The new Honolulu City & County pavement structural design standard
6. HMA mix design:
    a. Fundamentals
    b. Marshall
    c. Hveem
    d. Superpave

LEARNING OBJECTIVES:

Upon completion of the seminar, the attendee will be able to:

- Describe the need for and use of a pavement preservation program
- Discuss the key elements of a successful pavement preservation program
- Describe pavement management and how it relates to pavement preservation
- Identify pavement distress types
- Describe how pavement distresses are rated and treated in a pavement management system
- Describe the importance of pavement life-cycle costing
- Calculate the life-cycle cost of a typical pavement
- Describe the new Honolulu City & County pavement structural design standard and why it was implemented
- Describe the Marshall, Hveem and Superpave mix design methods and their differences

INSTRUCTOR:

Steve Muench is an Assistant Professor in the University of Washington's Department of Civil and Environmental Engineering. Steve is the developer of the HAPI *Asphalt Pavement Guide*. He is a licensed professional engineer in Washington State and has a PhD from the University of Washington. Steve is a graduate of Kailua Elementary, Kailua Intermediate and Kalaheo High School (class of 1986). His parents still live in Kailua and he still calls Hawai'i "home".

Registration Procedure
Please contact Gail Ikeda at 956-8367, 956-8851 (FAX) or gail@eng.hawaii.edu by ***Friday, March 3, 2006.***

Cancellations
Please contact us if you must cancel your registration or if someone will be substituting for you.

Parking
Parking for the East West Center is $4/day. If you would like to receive a parking pass, please contact us by March 3, 2006. Make checks payable to **Research Corporation of the University of Hawaii (RCUH)** and mail to:

Hawaii LTAP
University of Hawaii
Dept of Civil and Environmental Engineering
2540 Dole St, Holmes 383
Honolulu, HI 96822
Attn: Gail Ikeda

***Lunch will be provided courtesy of HAPI**

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March 20, 2006

East-West Center
Jefferson Hall
Asia Room
8:30 a.m. – 5:00 p.m.

Workshop sponsored by the

Hawaii Asphalt Paving Industry
and
Hawaii Local Technical Assistance Program

in cooperation with the
Hawaii State Department of Transportation
University of Hawaii's Department of Civil and Environmental Engineering and the Federal Highway Administration

Hawaii Local Technical Assistance Program
University of Hawaii at Manoa
Department of Civil and Environmental Engineering
2540 Dole Street, Holmes Hall #383
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