FHWA Mechanistic-Empirical Pavement Design Guide Workshop

Description:

It has been over four decades since the AASHO road tests in Ottawa, Illinois was conducted where the original basis for most pavement designs were developed. Throughout the course of the decades, many updates of pavement design procedures have evolved. Some of these changes came about because of new technology, regulations, better understanding of weather effects, materials and increase of traffic.

FHWA considers implementation of a new Guide for Mechanistic-Empirical Designs to be a high priority. One of seven national workshops is scheduled to be held in Honolulu to begin the process of informing, educating, and assisting the FHWA's field offices, State Highways agencies and Industry about the new Design Guide. The new design guide will provide for advanced pavement designs for both Hot Mix Asphalt and Portland Cement Concrete Pavements. Information on the Design Guide is available through the FHWA website www.fhwa.gov/pavement/.

Agenda:

8:00-8:15am	Workshop Welcome
8:15-9:15 am	Design Guide Introduction
9:15-10:15am	What's Different in the Guide
10:15-10:30am	BREAK
10:30-11:30am	HMA Aspects of the Guide
11:30am-1:00 pm	LUNCH (on your own)
1:00-2:00pm	PCC Aspects of the Guide
2:00-2:45pm	Design Guide Implementation
2:45-3:00pm	BREAK
3:00-3:45pm	State Implementation Activities
3:45-4:00pm	Open Discussion
4:00pm	Wrap up and Adjourn

Instructors:

Leslie Myers is a member of the Design Guide Implementation Team, as a representative from the Office of Pavement Technology's Asphalt Team. She is also the Program Director for the Mobile Asphalt Laboratory, which evaluates new and research-grade asphalt testing technology in the field by visiting a variety of States throughout the US. She has worked with Pavement Design and Analysis for several years, culminating in a doctorate from the University of Florida on the subject of top-down cracking in asphalt pavements.

Keith Herbold is FHWA's Senior Pavement Engineer in their Resource Center and have worked for the agency for 36 years, the last 19 in pavements. Prior to that he was a geotechnical engineer and a materials engineer. Keith's undergraduate degree is from North Dakota State University and his Master's is from the University of Kentucky. He is a registered engineer in Illinois. Keith's current areas of concentration are life cycle cost analysis, preventive maintenance and mechanistic-empirical design.

Sam Tyson is a concrete pavement engineer in FHWA's Infrastructure Office of Pavement Technology, located in Washington DC. He is a registered professional engineer in the District of Columbia, and a graduate of the University of Virginia where he earned both Bachelor of Engineering and Master of Science degrees in civil engineering. Sam served on active duty as a commissioned officer in the U.S. Army Corps of Engineers and was a research engineer with the Virginia Transportation Research Council. In the private sector, Sam was director of technical services for ready mixed concrete companies operating in the District of Columbia and Northern Virginia. Prior to joining FHWA, he was the executive director of a national trade association based in the Washington, DC area.

Registration Procedure

1) Please contact Holly Suyama at 956-8719, 956-8851 (FAX) or suyama@eng.hawaii.edu by ***Friday, July 9, 2004***
2) Attendance is limited to 30 participants, and preference is given to local government employees.

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 July 9, 2004. 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: Holly Suyama

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July 20, 2004

University of Hawaii
East West Center
Jefferson Hall
Asia Room
8:00 a.m. – 4:00 p.m.

Workshop sponsored by the
Federal Highway Administration
in cooperation with the
Hawaii Local Technical Assistance Program
Hawaii State Department of Transportation
and the
University of Hawaii's Department of Civil & Environmental Engineering

Hawaii Local Technical Assistance Program
University of Hawaii at Manoa
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