

# Recycled Asphalt Pavement (RAP) for Hot Mix Asphalt Cost Savings and Sustainability

## SEMINAR DESCRIPTION:

This workshop will provide an in-depth look at the History of Bituminous Mix Designs; from its infancy to modern-day use in SMA & SuperPave. It will provide you with information on how to increase and make better use of Recycled Asphalt Pavement in your pavement by use of proper Cold-planning Principles and new innovations. You will receive new ideas for planning the use of Hot Mix Asphalt as a sustainable source and product; and explain Energy Savings through the use of Warm Mix and "Green Asphalt". Additionally, Construction Practices for producing what our ultimate customer, the taxpayer, really wants. Smooth Pavements will be discussed as well as Base Preparation / Stabilization; Paver Operations / Grade & Slope / Joint Construction.

## AGENDA:

9:00 – 9:10	Introductions	
9:10 – 10:30	History of Bituminous Mix Design & Asphalt Production Machinery up to current SMA & Superpave mixes	<i>Dr. Brock</i>
10:30 – 10:50	Break	
10:50 – 11:50	Making Better Use of Recycle Fractionating RAP Warm Mix / Green Asphalt Energy Savings	<i>Dr. Brock</i>
11:50 – 12:00	Q & A from Morning Session	
12:00 – 1:00	Lunch	
1:00 – 2:00	Mining for RAP – Cold Planing Principles & Innovations Crushing & Screening of RAP	<i>Jeff Richmond</i>
2:00 – 2:20	Producing Sustainable Mixes	<i>Dr. Brock</i>
2:20 – 2:40	Break	
2:40 – 3:45	Construction Practices for Producing Smooth Pavements Base Preparation / Stabilization Paver Operations / Grade & Slope Joint Construction	<i>Jeff Richmond</i>
3:45 – 4:00	Final Q & A	

## INSTRUCTORS:

**Dr. Don Brock** is the Chairman & CEO of ASTEC Industries, Inc. ASTEC was founded in 1972 in Chattanooga, Tennessee; and has grown into a family of 14 companies located throughout the United States (12), Canada (1) and South Africa (1). Dr. Brock has a B.S. from the University of Tennessee; and a M.S. & Ph.D. in Mechanical Engineering, from the Georgia Institute of Technology. Dr. Brock currently holds approximately 90 U.S. and foreign patents on construction machinery and drying equipment. ASTEC Industries is one of the major suppliers of HMA plants and related construction industry equipment.

**Jeff Richmond** is President of Roadtec, Inc., manufacturer of asphalt pavers, screeds, cold planers, and the Roadtec Shuttlebuggy material transfer vehicle. Do not miss this opportunity to hear from Jeff.

**Registration Procedure**

Please contact Gail Ikeda at 808-956-8367 or [gail@eng.hawaii.edu](mailto:gail@eng.hawaii.edu) by **Friday, September 28, 2007**.

**Cancellations**

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

**Parking**

Free parking is available at the Maui Community College.

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

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**October 3, 2007**

Maui Community College  
Laulima Room 225  
310 Kaahumanu Ave.  
(Enter campus through Wahine Pio Ave.)

9:00 a.m. – 4:00 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**

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