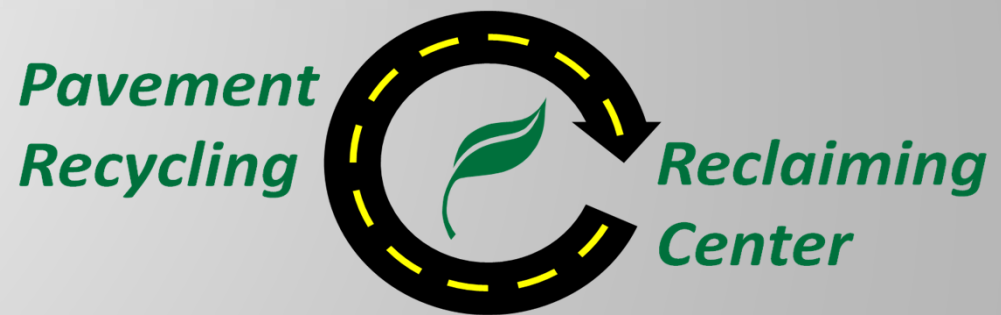


Pavement Recycling and Reclaiming Center

Cal Poly Pomona
(CSU Pomona)



Southeastern States In-Place Recycling Conference

August 30 – September 1, 2011

Pavement Recycling Center Team Members



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PRRC Mission



- ▶ **To advance the state of the art and state of practice in pavement recycling and reclaiming and to provide public agencies with the tools and knowledge necessary to complete successful pavement recycling and reclaiming projects. We will serve both agencies and industry by providing an independent and objective forum for discussion, development, and advancement.**

Sponsors

- ▣ California Department of Transportation – *Caltrans*
- ▣ Asphalt Recycling & Reclaiming Association
www.ARRA.org
- ▣ Founders Circle Members



Founders Circle



FOUNDING INDUSTRY PARTNERS

- ▣ Pavement Recycling Systems
- ▣ Garrity Asphalt Reclaiming
- ▣ Green Roads Recycling
- ▣ Rock Solid Stabilization & Reclamation
- ▣ Coughlin Construction
- ▣ Construction Materials Recycling
- ▣ ROADTEC
- ▣ CAT Paving Products
- ▣ Kennametal
- ▣ Ergon Asphalt & Emulsions
- ▣ Intermountain Slurry Seal
- ▣ The Barnhardt Group

Founders Circle



- ▣ Note to ARRA Members
 - ARRA has graciously decided to extend the deadline to join the **Founders Circle** to the end of the year!

ARRA Industry Segments

- ▣ Cold Planing
- ▣ Cold Recycling
 - Cold In-Place
 - Cold Central Plant
- ▣ Full Depth Reclamation
- ▣ Hot In-Place Recycling
- ▣ Hot Recycling
- ▣ Soil Stabilization



Hot In-Place Recycling



Cold Recycling



Full Depth Reclamation



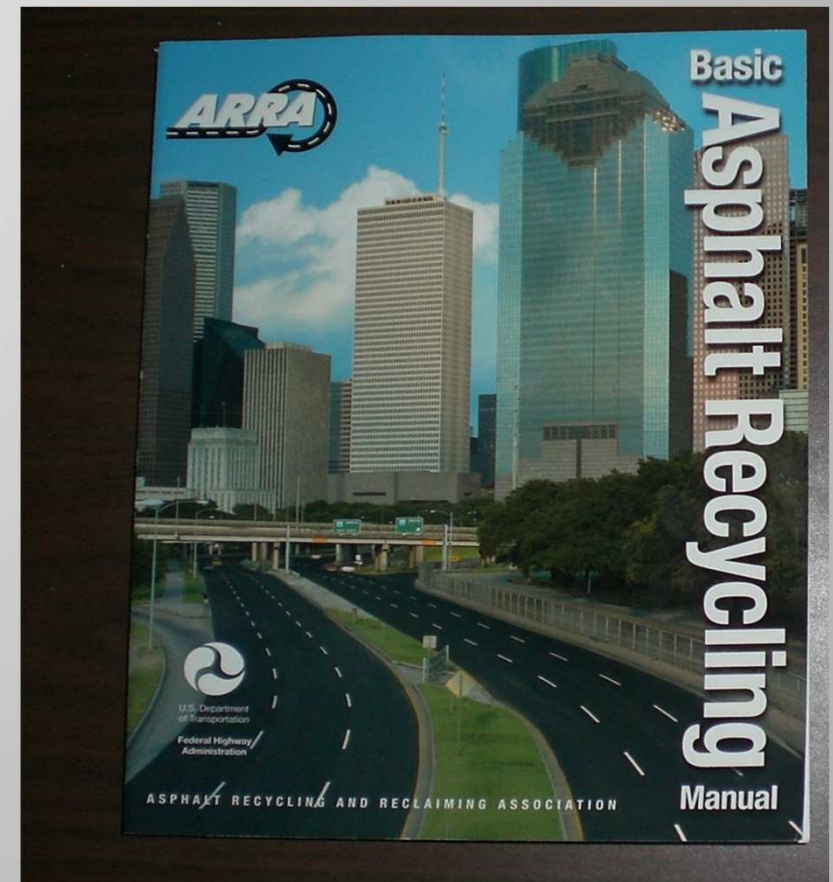
PRRC Initiatives

- ▶ **Education and Outreach**
- ▶ **Sustainable Pavements Toolbox**
- ▶ **Innovation and Research**



Education and Outreach

- **Update ARRA's Basic Asphalt Recycling Manual (BARM)**
 - Contract FHWA to assist with revision of BARM
- **Virtual BARM**
 - Contract pending with Oklahoma Transportation Center for funds to make portion of BARM interactive



Education and Outreach



- **Comprehensive Recycling Courses**
 - 2-Day Classes
 - Hot In-Place Recycling
 - Cold In-Place Recycling
 - Full Depth Reclamation
 - Development will follow ARRA Core Committee progress on guide specifications
 - 1st Class on CIR at PRRC in late fall 2011/winter 2012

Education and Outreach



- **Comprehensive Recycling Course Contents**
 - Project Selection
 - Materials Selection & Mix Design
 - Construction Methods & Specifications
 - Best Practices
 - Quality Assurance Procedures
 - Thickness Design Guidelines

Education and Outreach



➤ Training & Certification

- Combining just-in-time trainer certification with comprehensive recycling courses

➤ Outreach Activities

- Participation at Conferences and Trade Shows
 - Tucson Roads & Streets Conference
 - Atlanta In-Place Recycling Seminar
 - Rocky Mountain Asphalt User Producer Group
 - NCAT Professor Training Course

Sustainability Toolbox

Pavement
Recycling



Reclaiming
Center

- ▶ Help Desk and Frequently Asked Questions
- ▶ Sustainable Projects Database and Reports
- ▶ Sustainability Calculator
- ▶ Specification Designer and Database
- ▶ Technical Library

Sustainability Toolbox



- ▶ Project Registration Database
 - ▶ Agency documentation of benefits of utilizing recycling and reclaiming technologies
 - ▶ Sustainability calculator
 - ▶ Two LCA computer programs being reviewed
 - ▶ Equal comparisons?

Innovation and Research



- ▶ *Caltrans:*
 - ▶ High Percentage RAP Usage
 - ▶ Comprehensive In-Place Recycling Review (Pending)
- ▶ PRRC personnel involved with:
 - ▶ Evaluation of CIR variability for FHWA
 - Federal Lands Highways

Visit us @ www.PRRCenter.org

- ▶ News, information, help desk
- ▶ Guide Specifications, Best Practices
- ▶ Register for training courses

For more information please contact:

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