

Research Subtask Update

PPTG All Members Meeting

December 7, 2009

Sacramento, CA

Research Subtask Group Members

- ◆ Michael Samadian (David Lim)
- ◆ Larry Santucci (John Harvey)
- ◆ Erwin Kohler (James Signore)
- ◆ Shakir Shatnawi
- ◆ Gary Hicks
- ◆ David Jones
- ◆ Sam Yang (new)
- ◆ Joe Holland
- ◆ Bill Nokes

Resources Available to Research Subtask Group

- ◆ Jim Moulthrop Fugro-BRE
- ◆ Jim St. Martin APACA
- ◆ Mike Darter ARA Inc.
- ◆ Larry Scofield ACPA

2009 Accomplishments

- ◆ Completed Second Year Noise Measurements on California Concrete Pavement Surfaces
- ◆ Incorporated Pavement Preservation ETG Research Needs into Caltrans-UC PPRC Program
 - » Performance Related Specifications for Pavement Preservation Treatments
 - » Acceptance Criteria for Surface Treatments
 - » Integrating Pavement Preservation into the Design Process
- Due to funding constraints at Caltrans, effort will be funded through NCHRP

2009 Accomplishments (cont'd)

- ◆ Completed HVS Testing of Conventional Warm Mix Asphalt Sections at Graniterock
- ◆ Prepared for next round of HVS testing on Warm Mix with RHMA-G at UC Davis
- ◆ Provided Updates on Pavement Preservation Practices through UC Berkeley Tech Transfer
 - Use of Tack Coat
 - Rubber Modified Pavements
- ◆ Supported Caltrans and Industry on Implementation of Research Products
 - Construction Scheduling (CA4PRS)

2010 Work Plan

- ◆ Complete/Continue On-Going Research Tasks
 - Chip Seal Guide
 - Concrete Pavement Noise Measurements
 - Updates on Pavement Preservation
 - Training through UC Berkeley Tech Transfer
 - Support Implementation of Research Products

- ◆ Work with Caltrans on Implementation of PMS

- ◆ Conduct HVS Testing on RHMA-G Warm Mix Sections

2010 Work Plan (cont'd)

- ◆ Conduct Laboratory and Field Evaluations of Mix Design Procedures for Thin Overlays
- ◆ Conduct Field and HVS Evaluations of Extended Life Benefits of Pavement Preservation Treatments
 - Laboratory Tests Complete on Open Graded Mixes
 - Results will be Integrated into “CalME” Program