

Minutes for PCCAS Recycling Meeting

October 25-26, 2016

University of Nevada-Reno, Room 109, Harry Reid Engineering Building

1. Call to Order:

The meeting was called to order at approximately 2:15 PM. The attendance sheet for the meeting is attached. Introductions were made. An attendance roster is attached.

2. Review of Committee Charges:

- 2.1: Evaluate the Performance of Cold recycled after at least 2 years of service.**
- 2.2: Evaluate the Performance of Hot Recycled Pavements in service.**
- 2.3: Work in conjunction with the Paving/Asphalt Mixture Committee regarding performance of higher RAP/RAS.**
- 2.4: Evaluate the feasibility of using RAP in slurry mixes.**

3. Foamed Asphalt Presentation:

Don Matthews opened the meeting with an updated presentation on Foamed asphalt Cold-In-Place recycling. The presentation cover highlights of foaming aspects of the hot asphalt cement, Portland cement, mix design and observation of field evaluations. General discussions followed. A copy of the presentation is available on the PCCAS Website.

4. Performance of Cold Recycled Mixtures:

No new information was available for the meeting. Caltrans is exploring the potential of evaluating higher emulsion contents and higher cement contents CIR projects done several years ago.

5. Performance of Hot Recycled Pavements in service:

Steven Escobar raised the concerns of some agencies that HMA's containing RAP were not performing as well to HMAs not containing RAP. Earlier raveling and aging appearance (faster graying of pavements) were noted. Further discussions were delayed to Asphalt Mixture Committee meeting the next day.

6. Research Updates from the University of Nevada-Reno on CIR Mix Designs:

This presentation was rescheduled for the Asphalt Mixture committee the next day. A copy of this Presentation by Dr. Peter Sebaaly is available on the PCCAS website.

7. State Updates:

Alaska: 15% RAP

California: 15% RAP no change, 15-25% use blending chart.

Oregon: 30% RAP.

Nevada: 15% RAP.

Washington: Up to 40% Binder replacement on RAP, 5% RAS.

Western Federal Land Department: 20% RAP.

8. The next meeting has been scheduled for April 25-26, 2017, at the University of Nevada-Reno, Harry Reid Engineering Building, in Room 109.

9. The meeting was adjourned at approximately 3:30PM.

Respectively Submitted by:

A handwritten signature in black ink, appearing to read "Steven Escobar", is written over a horizontal line.

**Steven Escobar, Cochair
Charlie Pan, Cochair**