

Paving Asphalt and Mixture Committee Minutes of the
Pacific Coast Conference on Asphalt Specifications
March 21, 2006
Reno, NV

Brad Neitzke called the meeting to order and welcomed the attendees, which included members of the Rocky Mountain Asphalt User Producer group.

Larry Santucci gave a background review of the PCCAS activities through the years by highlighting various issues that have been addressed. Bob Staugaard added a few comments on the background.

George Way provided an update on the activities of the Asphalt Rubber Task Group. There is an abundance of activity in ASTM on various asphalt rubber issues, including an asphalt-rubber cape seal vote recently held. Negative votes were returned so the issue is still being worked within ASTM. There are some issues associated with the use of a rotational viscometer for use with asphalt rubber. Particle size is an issue as well as procedure. Arizona is working on an asphalt rubber gap graded mix design resulting in a new specification. There was further discussion on the details. California Assembly Bill AB 338 was passed and signed into law. It requires 15% of the total CalTrans tonnage be asphalt rubber. Field blended asphalt rubber must account for 50% of the 15%. Rubber must be from U.S. manufactured tires.

George Way presented a “straw man performance specification” currently being worked in the task force. [A copy of the specification is attached here](#). He followed up with a going forward process with an estimated timeline. He also presented the status of research at Arizona State University on rubber asphalt pavements. [A copy of the presentation is attached here](#).

Shauna Tecle-Mariam presented information on the DSR asphalt rubber round robin. Samples were sent to several laboratories with specific instructions on procedure. The results were statistically analyzed and the results reported. [For a review of the results presented click here](#).

Shauna Teclemariam provided a progress report on the current round robin interlaboratory study. The objectives were to develop precision statements for DSR and bending beam, consider use of the phase angle to identify modified asphalts and evaluate equipment bias. Data has been received and some analysis has been performed. Further analysis is needed to complete the preliminary report to the task group, which is anticipated by June 1, 2006. [This update is attached here](#). Information will be available in the conference in the form of an update. The committee will review the final report before going forward to the conference.

Rick Holmgreen presented information on the status of the elastic recovery procedure. [Click here to view the presentation](#). Efforts are underway to standardize the test that currently has numerous different procedures. A task group was formed to review

AASHTO T-301 to address any issues with selecting it as the standard to be adopted by the PCCAS. The task group will be:

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The task group will have an update ready for the conference in May and will have a recommendation for the committee by the next meeting.

John D'Angelo provided an update on several FHWA initiatives. He presented information on a DSR solution to the Superpave plus specifications. The multiple stress creep compliance procedure should be considered as a replacement for all plus tests. There was also an update on mixture work ongoing and completed. One issue is the measurement of internal angle in the gyratory compactor. Another effort is the simple performance tester for mixtures to test for dynamic modulus as well as the flow number test or dynamic creep. Update a mix design manual for hot mix asphalt is also underway. John also gave some information on intelligent compaction, which is currently being used. There is also a recognized ability to perform QC activities at the hot mix plant at different points in the process. Another major effort is the improved procedure for laboratory aging of asphalt binders. The procedure will not be validated in the field since there are far too many variables that would have to be addressed. Therefore, the some discussion as to the appropriateness as a replacement for PAV, but the current time required to achieve PAV equivalent is too long to be practical. [Click here to view the presentation.](#)

Larry Santucci gave an update on the work on the fatigue performed at Berkeley. There is some additional data on fatigue and additional data from work done at Laramie.

Bob Staugaard presented information on the next conference. The conference will meet on May 31 and June 1, 2006, which is a Wednesday and Thursday at the Richmond Field Station in the Berkeley area. This conference will be 50th meeting of the organization. People that have been instrumental in the development of the conference over the 50 years period will be invited to attend. There will be a special dinner on Wednesday night to commemorate the event. Bob also outlined the preliminary agenda.

Brad Neitzke summarized the presentations for the conference from the committee. Reports will include the asphalt rubber task group, the round robin testing, a task group update on the elastic recovery standardization T-301 and a report on the fatigue study.

The next meeting will be October 17 & 18, 2006, in Reno, NV.

The meeting was adjourned at 3:45 PM.