

Paving Asphalt and Mixture Committee Minutes of the
Pacific Coast Conference on Asphalt Specifications
October 17, 2006
Reno, NV

Brad Neitzke called the meeting to order and welcomed the attendees.

Bob Staugaard added a few comments on issues that were to be discussed as a result of Conference action. He also announced that Dennis Duffy of the Washington DOT was retiring.

George Way provided an update on the activities of the Asphalt Rubber Task Group. The task group has been working on a moisture susceptibility issue. These stripping problems were observed first in 2004. ASU is currently performing work on the various asphalt rubber projects that include projects that have since showed the distress. This allowed them to do work with mixture that ASU still had on hand for comparison purposes. Prior to that there had not been any issues with stripping. The issue is only being observed in a few mixtures, but the distress in those projects was significant. The group is expecting more information as this project work continues. [A copy of the presentation is attached.](#) George Way presented a performance specification currently being worked in the task force for terminally blended rubber asphalt. A copy of the specification may be obtained from Steve Burhans who is the representative on the ASTM committee where this specification is being developed. There are some issues associated with the use of a rotational viscometer for use with asphalt rubber, issues such as repeatability and reproducibility. Arizona is working on an asphalt rubber gap graded mix design resulting in a new specification.

Brad Neitzke made a brief presentation on the currently available data report. He requested that the data from each participant be reviewed. Not all participants have received a copy of the report. Brad will work with Shauna Teclemariam to be sure that everyone has been provided a copy of the report.

Steve Landers commented that there is a small round robin on sample placement (i.e. location within the oven) in the PAV.

Larry Santucci reported that there is additional information to be added to the final fatigue report. Every effort will be made to have this ready by the next committee meeting. The current copy of the report is posted on the PCCAS website, www.pccas.org.

John D'Angelo provided an update on the Binder ETG meetings. Multi stress creep recovery test is a proposed high temperature replacement test for the current PG specifications. In order to use this test, it needs to incorporate a performance parameter. 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. Phosphoric acid modified asphalt is also a topic at the ETG. FHWA is looking at four SHRP asphalt binders as part of an ongoing research project. This work

will also include work with mixtures in the next phase. There was also an update on mixture work ongoing and completed. Some decisions have been on the measurement of internal angle in the gyratory compactor, such as dropping TP48 in TP312. Other issues have also been addressed and recommendations have been made. [A copy of the presentation is attached.](#) The simple performance tester has now been officially named the Superpave Performance Tester for dynamic modulus and will be used in TP62. The mixture ETG is also working on fine aggregate specific gravity issues. Update on a mix design manual for hot mix asphalt is also underway on NCHRP 9-33, which should be completed by the end of 2006. John also gave some information on other ongoing NCHRP projects.

Rick Holmgren presented the Elastic Recovery Task Group recommendations to the committee as the position of the conference on what procedure to use. The recommendation of the task group was:

The PCCAS recommends the use of AASHTO T-301 on the RTFO residue for the determination of Elastic Recovery. The PCCAS further recognizes the need to have Section 4.5 of the Procedure revised to eliminate the need to use the “force adapter”. The recommended test temperature is 25 C.

After some discussion, the committee felt there was a need to change the wording to make it clear that the recommendation is for asphalt cements. Rick Holmgren will edit the wording and send it to the task group for comment. Upon approval, he will submit it to the committee for further action. The task group will have completed its charge with this submission. Brad Neitzke will ballot the committee following his receipt of the recommendation.

Brad Neitzke presented an update on issues at the summer AASHTO meeting. One such issue was the use of frosted glass bottles in the RTFO. There was some rewording of t-313, bending beam as well as some minor procedural issues. Other current methods were discussed to include example calculations to preferred procedures. [A copy of the presentation is attached.](#) Brad presented some research statements that were discussed at the meeting. Topics among those discussed were the maximum use of RAP, evaluation of warm mix field performance and engineering properties and the use of acid modification. Other items discussed were joint density specification, M-E Design guide and a NAPA presentation on supply and cost situation.

Bob Humer discussed some of the training opportunities provided by the Asphalt Institute. Handouts were provided. The Asphalt Institute will be working with the California APA's to provide a workshop on the Bailey Method.

Larry Santucci presented information on the history of the Pacific Coast Conference on Asphalt Specifications. The document was handed out at the meeting and an electronic version was provided for posting on the website. Larry also provided a Technical Topics document on the adoption of Performance Graded asphalts in California. He also

reported that CalTrans has determined what polymer modified PG grades they will use. They are PG64-28PM, PG58-34PM and PG 76-22PM.

Bob Staugaard had a few comments on conference activities. He reviewed who the committee chairs currently are and requested that any issues concerning the individual committees be directed to the respective chairs. The committee chairs are listed on the conference website.

The next meeting will be March 27 & 28, 2007, in Reno, NV.

The meeting was adjourned at 3:45 PM.