

Technical Section 2b

Asphalt

Asphalt Binder ETG Meeting Baton Rouge, LA
September 16-17, 2014

Technical Section Letter Ballot (14-01)

- ▶ **Standard Method of Test for Determination of Asphalt Binder Resistance to Ductile Failure Using the Double Edge Notch Tension Test (DENT)**
 - ▶ 23-Affirmative, 4-Negative, 4-No Vote
 - ▶ 3 negatives (Kentucky, Arizona, Alabama) non-persuasive
 - ▶ FHWA withdrew negative.
 - ▶ Move to SOM for ballot as a provisional standard.

Technical Section Letter Ballot (14-01)

- ▶ Standard Method of Test for Determining the Fracture Properties of Asphalt Binders Using the Single Edge Notched Bending Test. (SENB)

- ▶ 24-Affirmative, 3-Negative, 4-No Vote

- ▶ Task Force

- ▶ West Virginia (Chair), Arizona, Ontario, and Vermont

- ▶ To further review the dimensions specified based on the following comment received

"Single Edge Notch" has no dimension spec. "i.e. how deep? How wide? How accurately can the notch be repeated? This notch will be analogous to etching glass tubing in a chemistry lab before breaking to make glassware. The precision of this notch, we believe, will significantly affect the variability of the test results."

Technical Section Letter Ballot (14-01)

- ▶ **Standard Method of Test for Measuring Asphalt Binder Yield Energy and Elastic Recovery Using the Dynamic Shear Rheometer (BYET & ER)**
 - ▶ 26-Affirmative, 1-Negative, 4-No Vote
 - ▶ Task Force
 - ▶ Montana (Chair), Colorado, Wisconsin, Idaho, Utah

Technical Section Letter Ballot (14-02)

- ▶ **Revise R 29 to eliminate flash point and rotational viscosity testing as part of determining the PG grade.**
 - ▶ 19-Affirmative, 2-Negatives, 12-No Vote
 - ▶ Negatives were withdrawn after explanation was given.
 - ▶ Changes will go to SOM ballot this fall.

- ▶ **Revise T 49 to update precision and bias and to reference the current ASTM (D 5).**
 - ▶ 20-Affirmative, 0-Negative, 12-No Vote
 - ▶ Changes will go to SOM ballot this fall.

Technical Section Letter Ballot (14-02)

- ▶ **Revise T 201 to update the precision and bias and to update to the current ASTM (D2170).**
 - ▶ 20-Affirmative, 0-Negative, 12-No Vote
 - ▶ Changes will go to SOM ballot this fall.

- ▶ **Revise T 202 to update the precision and bias and to update to the current ASTM (D2117).**
 - ▶ 20-Affirmative, 0-Negative, 12-No Vote
 - ▶ Changes will go to SOM ballot this fall.

Task Forces

- ▶ **T 350 (Former TP 70) MSCR Temperature task force**
 - ▶ Matt Corrigan (Chair)
 - ▶ Task force believes that no further changes to the standard are needed at this time based on temperature selection.
 - ▶ Task force was considered complete.

- ▶ **GTR specification task force**
 - ▶ Lyndi Blackburn (Chair), Tanya Nash (FL), Matt Corrigan (FHWA), and Felicia Reid (Paragon)
 - ▶ D'Angelo, Way, Youtcheff, Louisiana, and Pennsylvania joined the task force.

Standards Requiring Reconfirmation

- ▶ M 320
- ▶ T 48
- ▶ T 201 – To be balloted on SOM fall ballot.
- ▶ T 202 - To be balloted on SOM fall ballot.
- ▶ T 313 – Have received the revisions and have been sent out to the TS. TS Letter Ballot after Fall Ballot.
- ▶ T 315

Research Needs Statements

- ▶ *Enhancing Low-Temperature Performance of Performance Graded Asphalt*
 - ▶ *Ranked 2nd for submittal*
- ▶ *An Assessment of Changes in Asphalt Production on the Effectiveness of the PG Grading System and Related Effects on Pavement Durability*
 - ▶ Removed, to be incorporated with NCHRP 9-59
 - ▶ Update – Jack reported that Ed indicated this would not be a good fit with NCHRP 9-59.
 - ▶ Decision Pending to include to TRB

Provisional Standards

- ▶ **Disclaimer Wording was presented.**
 - ▶ This AASHTO method has been published as a provisional standard. This standard is provided as a mechanism for early distribution of materials specifications, practices, and test methods resulting from research. Provisional status is used for the refinement of this standard on the basis of the comments received from the users and other reviewers. Comments on this Provisional Standard are welcome and should be directed to:

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