



FHWA Mixture Expert Task Group (ETG)

Oklahoma City, Oklahoma

September 16, 2015

AASHTO Summer Meeting Summary

Technical Sections

2c - Asphalt Aggregate Mixtures

2d - Proportioning of Asphalt Aggregate Mixtures



TS Ballot completed for

TP-xxx; Determining the Fracture Potential of Asphalt Mixtures Using Semicircular Bend Geometry (SCB) at Intermediate Temperatures

35 votes for, no negatives. Proceed to full Ballot.



TS Ballot proposed

TP-xxx; Determining the Flexural Creep Stiffness of Asphalt Mixtures Using the Bending Beam Rheometer (BBR)

TS2d chair to post this procedure for TS ballot this fall with discussion of comments at Mid year webinar.



TS Ballot proposed

TS ballot for proposed changes to M323 Standard specification “Superpave Volumetric Mix Design” and R35 Standard Practice “Superpave Volumetric Mix Design for Hot Mix Asphalt (HMA).

TS2d chair to post proposed change to TS this fall with discussion of comments at Mid year webinar.



Task Force: question on aging requirements mentioned in R 35 /T283.

Action - TS2d chair to post R35 procedure change to reference T283 as requirement for moisture sensitivity in R35. TS ballot this fall with discussion of comments at Mid year mtg.



AASHTO Aging Protocol



- T283-14 – Resistance to induced moisture
 - mix and place in 1” pan and cool at room temp for 2 hr.
 - Place in 60C oven for 16 hr for curing
 - After curing place in oven at compaction temperature for 2 hours .
 - Store at room temp for 24 hours.



Aging Protocol con't



- R30 – 15 Mix Conditioning
 - 2hr at mix temp. short term
 - 4 hr at mix temp for mechanical property testing
 - Long Term aging of compacted specimen for Mechanical property testing requires 5 days, 85c.
- R35-15 Superpave Volumetric Design - Practice
 - Section 11 Evaluate Moisture Susceptibility-R30 aging
- T312-15 - Preparing Asphalt Mix by SGC. - Method
 - Mix at temp when visc. unaged binder =0.17 pa.s
 - Age per R30



Task Force

Prepare changes to R68 “Preparation of Asphalt mixtures by means of Marshall Apparatus” to incorporate cold mix.

Tentative agenda item for Mid year webinar pending TF work tasks completion.