

SUBCOMMITTEE ON MATERIALS
Mid-Year Meeting
Tuesday November 10th, 2015
10:00 – 12:00 PM CST
TECHNICAL SECTION 3b
CONCRETE MATERIALS AND FRESH CONCRETE PROPERTIES

I. Call to Order and Opening Remarks

II. Roll Call

Present: NE, FHWA, MD, NV, NH, NY, OK, OR, RI, TN, UT, VA, ID

Absent: DC, CT, FL, GA, HI, KY, MI, MN, SD, TX, WA, WI

See attached excel sheet for more detail.

III. Approval of Technical Section Minutes

Motion to approve RI, second NY. Approved

IV. Old Business

- A. R 064 (TP-83) Spring Ballot - Sampling and Fabrication of 50-mm (2-in.) Cube Specimens Using Grout (Non-Shrink) or Mortar (Mike Santi & Garth Newman)

Garth: Outlined field curing when controlled curing conditions aren't available for cubes. We need the option of a field cure then transportation back to lab. This is what Idaho does.

Mick: Had received comments on 24±4 timeframe for field cure. No concerns expressed by group.

Garth: WA, ID, OR...all 7 western states do this field cure without the tight temperature control. Don't mind the minimum time, but having only 4 hour tolerance would hinder transport times. There are location where the DOT would have a hard time meeting the time requirements in very rural areas. The drive time being up to 6 or 7 hours.

Mick: 4 hours would be issue for NE as well.

Felag: What was result of spring ballot on this?

Mick: This is new draft. Mick would like to have a committee ballot.

Some additional questions and comments on the transportation and field cure time of samples. After further discussion, the committee agreed to ballot the current draft of R 064. Then respond to the comments or negatives of after the ballot.

Motion to send R 064 (TP-83) to ballot as is currently: Motion, RI. Second ? Approved.

Put together TS ballot after first of year.

V. New Business

A. Fall Ballots

i. Results

T121m/T121-15 – Comments have been addressed from Fall Ballot. Section 7.5 should have requirements to tap container for consistency. Mick would like to take to ballot.

There was much discussion on whether there is a need to add the language in Paragraph 7.5 for tapping the side of the measure after the placement of concrete in the measure after it is over filled. As a whole, the group decided to not add any language for tapping the edges of the vessel for SCC at this time.

Motion to send T121m to TS ballot as is currently: Motion ID, Second RI. Approved.

T152-13 – Similar to T121.

New York discussed the calculation of air by the formula in T 152. The formula could show a negative air. Mick would like time to review the formula before editing it.

Motion to send T 152 to TS ballot as is currently: Motion ?, Second ID. Approved.

ii. Reconfirmation

1. M154M/M154-12 (Standard Specification for Air-Entraining Admixtures for Concrete)
2. R60-12 (Standard Practice for Sampling Freshly Mixed Concrete)
3. T157-12 (Standard Method of Test for Air-Entraining Admixtures for Concrete)
4. T325-04 (2011) (Standard Method of Test for Estimating the Strength of Concrete in Transportation Construction by Maturity Tests)
5. T345-12 (Standard Method of Test for Passing Ability of Self-Consolidating Concrete (SCC) by J-Ring)

B. Presentation

- i. Update of Dr. Ley's Research on Improving Specifications to Resist Frost Damage in Modern Concrete Mixture (SAM) & proposed Box Test.

C. Meeting Length at the 2016 Annual Meeting

AASHTO wants to shorten length from 2 hours. Mick wanted to see what other TS are doing.

Evan indicated that based on input from some tech section chairs, AASHTO was looking to get some feedback on duration of TS sessions at the annual meeting. The intent is both to maximize the time for all involved as well as shorten the duration of the annual meeting overall. AASHTO will still ensure adequate time is provided for each tech section and, if needed, will cut time elsewhere to try to shorten the meeting.

D. Research Proposals

Mark Felag stated that the research problem statement submitted by TS3a – Durability and Service Life of Cracked Concrete – was endorsed by TS3b and the Subcommittee on Construction. Will be voted on at the Spring AASHTO Meeting. Asked that states contact their chief engineers or if they have any members involved with RAC or SCOR to encourage them to vote for this research project.

i. Research Liaison

E. AMRL/CCRL Comments

None

F. NCHRP Updates

Amir: listed a few projects coming up.

G. Proposed Standards to be Modified

Putting ballot together for spring.

H. Proposed New Task Forces

None.

VI. Open Discussion

Bob Horwhat T26- Quality of water – appears this standard was sunset. Mick stated that there may be a potential replacement (potentially T240?). Will follow up with Bob to provide a reference to utilize if available.

VII. Adjourn

Action Items

- TS Ballot for R 064
- TS Ballot for T121m/T121-15
- TS Ballot for T 152