

## AASHTO Subcommittee on Materials

### **Technical Section 3a - Hydraulic Cement and Lime Midyear Webinar Meeting – February 6, 2014**

#### Meeting Minutes

#### **I. Call to Order/Opening Remarks/General Business.**

The Chair, Mark Felag (RI), called the midyear webinar meeting of Technical Section 3a – Hydraulic Cement and Lime to order at 10:05 AM EST on Thursday, February 6, 2014. The Chair welcomed members and visitors.

The Chair recognized the Vice Chair Reynolds Toney (OK), administrative/technical support Maria Knake (AMRL) and Brian Johnson (AMRL), and Sergeant-at-Arms Lyndi Blackburn (AL).

The Chair noted today is the birthday of Milt Fletcher (SC), former member of the technical session. Milt passed away on November 21, 2013. The technical section observed a moment of silence in recognition of Milt on his 60<sup>th</sup> birthday.

#### **II. Roster. Attachment XX.**

The Chair asked attendees to check their information on the roster and email him any corrections or requests for membership. The Chair recognized the official friends of TS3a, Al Innis (Holcim), Bruce Blair (Lafarge), Colin Lobo (NRMCA), Paul Tennis (PCA), John Melander (Consultant), Doug Hooton (University of Toronto), and Larry Sutter (Michigan Tech University). There were 16 members, 4 proxies and 33 visitors present for a total of 53 attendees.

#### **III. Approve 2013 Technical Section Minutes. Attachment XX.**

A motion by Alabama to approve the 2013 Technical Section Minutes was seconded by Washington. The motion was approved by voice vote.

#### **IV. Old Business.**

##### **A. Previous Year SOM Ballot Items. Attachment XX.**

The Chair reported all 8 ballot items passed. Negative votes were received on 3 items. Comments were received on all 8 ballot items. The ballot items with actions on negatives and comments are listed below.

**Item 47.** Concurrent ballot item to revise M 240 – New table. Editorial comments from Rhode Island will be considered by the Chair.

**Item 48.** Concurrent ballot item to revise M 240 – LOI. The negative vote from Arkansas requesting the proposed new limits on LOI for the individual raw materials be reduced further to the limits in M 295 was considered. Don Streeter (NY) reported that the Harmonization Task Group looked at the limits in ASTM C 618 and M 295 and chose the less restrictive limits for sustainability reasons. The Chair and Michael Benson (AR) will contact the Chair of TS3b to discuss harmonizing these limits in ASTM C 618 and M 295. The standard will be published as balloted.

**Item 49.** Concurrent ballot item to revise T 240 - Terminology. Editorial comments from Kentucky will be considered by the Chair.

**Item 50.** Concurrent ballot item to revise T 105 – Porcelain Crucibles. The negative vote from Arkansas requesting the size range for the proposed porcelain crucibles be increased from 15-30ml to 5-30ml was considered. The standard will be published as balloted. The Chair will work with ASTM on the crucible size range.

**Item 51.** Subcommittee ballot item to create a new standard for Particle Size Diffraction. The negative vote from Kentucky requesting the standard be adopted as a provisional standard was considered. The negative vote was then withdrawn. The comment from Kentucky requesting a qualifying statement be added was withdrawn. The Chair will consider the remaining editorial comments from Kentucky, Missouri, and Rhode Island.

**Item 52.** Concurrent ballot item to revise M 210M/M 210-12. Revise to agree with ASTM C 490/490M-11. The Chair will consider the editorial comments from Rhode Island.

**Item 53.** Concurrent ballot item to revise T 129-12. Revise to agree with ASTM C 187-11<sup>e2</sup>. The Chair will consider the editorial comments from Rhode Island.

**Item 54.** Concurrent ballot item to revise T 162-12. Revise to agree with ASTM C 305-12. The Chair will consider the editorial comments from Rhode Island.

**B. Previous Year Tech Section Letter Ballots. None.**

**C. Task Force Reports.**

**1. TF 09-01: M 85, M 240 & M 327 Issues**

Don Streeter (NY) reported on the activities of the task force and the Joint ASTM-AASHTO Harmonization Task Group (JAAHTG) which includes members from ASTM Committee C01 and this task force from TS3a. This task group meets regularly to discuss various items requested by AASHTO or ASTM concerning M 85/C 150, M 240/C 595, or M 327/C 465. Most of the current work involves M 240/C 595as

evidenced by the 3 ballot items for M 240 discussed earlier. Much of the remaining work is waiting on the completion of research. The Chair noted that TF 09-01 has lost a couple of members in the last year and needs some replacements. Please contact the Chair if you are interested.

## **2. TF07-01: Alkali-Silica Reactivity.**

Gina Ahlstrom (FHWA) reported on recent activities. Two new ASR test methods were balloted as provisional standards through TS3c. There were no negative ballots and the researchers are addressing the comments in preparation for the TS3c webinar meeting next week. The ASR program through the FHWA in both the research and deployment areas is complete. The final reports are being published and will be available from FHWA's ASR website. <http://www.fhwa.dot.gov/pavement/concrete/asr>

## **3. TF12-01: Crucible Issues.**

The Chair reported the task force's charge was to prepare a revision to allow the use of porcelain crucibles in T 105. The ballot item for this revision passed. The Chair declared the work of TF 12-01 complete and thanked the members for their work.

# **V. New Business.**

## **A. Research Proposals.**

The SOM is encouraging submittal of research proposals. Last fall, the SOM established a new position of Research Coordinator for each technical section. Bob Horwhat (PA) is the Research Coordinator for TS3a.

The Chair presented a problem statement, Entrained Air Void Systems in Concrete Structures and Pavements. The objective is to determine what is an acceptable air-void system in the completed structure and how to measure the air void system in both the fresh and hardened states. Attachment XX.

At the 2013 SOM meeting, TS3a had a presentation by Dr. Prasad Rangaraju on "Miniature Concrete Prism Test (MCPT) - A Rapid and Reliable Test Method for ASR Evaluation." The Chair noted that TS3c had a concurrent ballot item to adopt TPXX-XX 'Potential Alkali Reactivity of Aggregates and Effectiveness of ASR Mitigation Measures' (Miniature Concrete Prism Test, MCPT) as a Provisional Standard.

## **B. AMRL/CCRL Issues.**

AMRL/CCRL had no issues to report. The Chair thanked AMRL/CCRL for their new role assisting the technical sections with the meetings and webinars.

## **C. NCHRP Issues.**

The Chair reported for Amir Hanna on NCHRP activities. TS3a has not submitted problem statements for some time. The technical section should consider research needs and prepare problem statements for Subcommittee consideration and submittal to NCHRP.

The AASHTO Standing Committee on Research (SCOR) will select NCHRP projects for the FY 2015 Program in late March 2014. The selected projects will be announced in early April 2014. None of the problem statements submitted pertain to TS3a.

NCHRP will solicit problem statements for FY 2016 in early July 2014 with a deadline for submittal in mid-September. Amir is available to help with the write-up if you desire but you need to identify the issue and the objective (the product) of the research.

**D. Correspondence, Calls, Meetings, Presentation by Industry. None.**

**E. Proposed New Standards.**

SOM ballot item number 51 to create a new standard for particle size diffraction passed. The standard will be published as T 353 - Standard Method of Test for Particle Size Analysis of Hydraulic Cement and Related Materials by Light Scattering.

**F. Proposed New Task Forces. None.**

**G. Standards Requiring Reconfirmation.**

The following standards will be balloted for reconfirmation, either as a technical section ballot or an AASHTO ballot.

M 303-89 (2010). Lime for Asphalt Mixtures.

T 131-10. Time of Setting of Hydraulic Cement by Vicat Needle.

**H. SOM Ballot Items (including any ASTM changes.) None.**

## **VI. Announcements.**

The 100th AASHTO Subcommittee on Materials meeting will be held in Minneapolis, Minnesota, Sunday, July 27, 2014 through Friday, August 1, 2014.

## **VII. Adjourn.**

The Chair thanked everyone for their participation in the webinar and adjourned the annual meeting of TS3a at 11:27 AM EST.