

Technical Committee
Wednesday, April 23, 2014
10 AM
The Place at Innsbrook
Richmond, Virginia

- I. Call to Order/Welcome.** Chair George Kuhn, Chandler Concrete, called the meeting to order at 10:00 AM. Other members in attendance included: Mike Covington, Grace; Bill Brooks, Grace; Darrell Wilson, Boral; Michael Robinson, Stalite; Jack Kowalski, Branscome; Chuck Starnes, F&R; Bob Neal, Lehigh Cement; David van Wyhe, Lynchburg Ready Mix; Brad Meyers, Swope & Assoc.; Kisia Kimmons, Roanoke Cement; Shelley Wright, Vulcan; Teck Chua, Vulcan; Tom Wahl, The SEFA Group; Ann-Germaine Danz and Bob Nablo represented staff.
- II. Anti-Trust Statement.** Kuhn referred everyone to the VRMCA Anti-Trust Statement.
- III. Approval of the Agenda.** Moved by Wilson, seconded by Starnes.
- IV. Approval of the January 22, 2014 Minutes.** Kuhn noted that the January meeting had been cancelled due to snow. The October 2, 2013 minutes were approved. Nablo introduced Ann-Germaine Danz as the new VRMCA Director of Industry Services for the Eastern Region.
- V. Old Business.**
- a) A brief discussion about the earlier problems with Technical Committee minutes on the VRMCA website. Nablo has spoken with the office and believes these problems have been corrected. Neal requested a synopsis of the Technical Bulletins and downloads currently on the website.
 - b) Technical Bulletin #5 – Within Test Variability – was discussed, with regard to the range of results in 4X8 cylinders in the field. Neal will draft a report on the variability between 6X12 and 4X8 cylinders. Kuhn and Chua contributed to this discussion.
 - c) VDOT/VRMCA Co-Op Meeting Items.
 - a. Option Based Mix Designs. Discussion led by Kuhn. Neal noted that VDOT is “inching” its way toward option-based mix designs. Wright said that she was required to perform new trial batches, and noted that while lab trials are not difficult, truck batch verifications are quite difficult. Chua noted that VDOT is requiring annual lab trial batches.
 - b. SCC Drilled Shaft Special Provision. Waiting on VDOT specifications, but Kuhn says he sees frequent requests from contractors to extend workability times and deferred initial sets for bridge decks. Comments from Brooks, Chua.
 - c. Contractor Quality Control. Kuhn says there is no receptiveness for this within VDOT.
 - d. ERS Sublots. A confused topic, centering on pay factors. Some discussion that the penalty phase may be dead.

- e. Shotcrete. Waiting for documents and specifications.
- f. Mass Concrete. Neal says he has a continuing dialogue with Larry Lundy on this topic. There are concerns about temperature variations. Neal submitted a written Summary of Simulation Results. His simulations were an attempt to reduce the heat increases while keeping the strength results. Chua in this discussion.
- g. Lightweight Concrete. A general discussion of problems with lightweight concrete bridge decks. Also waiting for specification.
- h. Patching. VCTIR will do test projects.
- i. Plant/Truck Certifications. Kuhn says new documents available soon.
- j. Mineral Fillers. VDOT wants to find demonstration projects using manufactured sand. Companies are encouraged to submit projects.
- k. VDOT Paving Spec. for Secondary Roads. The new VDOT document is completed and available (2014 publication date). The Technical Committee would like to acquire copies for discussion.
- l. Flyash Update. Wahl and Wilson say EPA will have a flyash disposal regulation published by December 14, 2014. This regulation is not expected to classify flyash as a hazardous material.
- m. VDOT 3 Day Curing. No comments.
- n. VTCIR Roller Compacted Project. No comments.
- o. VDOT 56 Day Breaks. No comments.

VI. New Business.

- a) Neal reports on a new “Super Air Meter” that gives an indication of air bubble size in air-entrained mixes.
- b) Starnes notes that Virginia Chapter of ACI is working on a flatwork certification class. Suggests that this class might be worked into pervious concrete certification classes.
- c) Kuhn asked members to suggest possible presentations for Technical Committee meetings. Brief discussion on proprietary issues, but members do not see any problems if these issues are clearly delineated.
- d) Van Wyhe brought up the subject of efflorescence on slabs. Members discussed this problem.

XI. Adjournment. The meeting was adjourned at 12:12. Next VDOT/VRMCA Co-Op Committee meeting scheduled for July 29, 2014. Next VRMCA Technical Committee meeting scheduled for July 23, 2014.