

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

- I. Call to Order/Welcome.** Past-Chair Shelley Wright, Vulcan Materials, called the meeting to order at 10:00 AM. Other members in attendance included: Bruce Jones, NE Solite; Bob Neal, Lehigh Cement; Randy Weingart, Luck Stone; Bill Denison, Titan America; Scott Manning, Titan America; Darrell Wilson, Boral; Chuck Starnes, F&R; Bill Brooks, Grace; Kisia Kimmons, Roanoke Cement; Hank Keiper, SEFA Group; Tom Wahl, SEFA Group; Marie Derby, Essroc Cement; Michael Robinson, Stalite; and Bob Swope, Swope and Associates. Ann-Germaine Danz and Bob Nablo represented staff.
- II. Anti-Trust Statement.** Wright referred everyone to the VRMCA Anti-Trust Statement.
- III. Approval of the Agenda.** Moved by Wilson, seconded by Denison.
- IV. Approval of the April 23, 2014 Minutes.** Moved by Wilson, seconded by Denison.
- V. Old Business.**
- a) Website Minutes - Problems with old minutes, missing minutes and incorrect downloads on the VRMCA web site have been corrected. This item is removed from the agenda.
  - b) Technical Bulletin #5 – Within Test Variability – was discussed, with regard to the range of results in 4X8 cylinders in the field. Neal has drafted a revised bulletin consisting of the addition of one sentence and the addition of one reference. The document was distributed to members and discussed. The change was approved and Nablo will have the new document substituted on the VRMCA web site.
  - c) Reference Documents – Nablo will check these articles and see if they can be attributed.
  - d) VDOT/VRMCA Co-Op Meeting Items.
    - 1. Option Based Mix Designs – Approved by VDOT and on website. Brief discussion by members about this option being new to VDOT Districts and they may have to be instructed about this procedure. Ultimately, Larry Lundy will write the Manual of Instruction changes, and VRMCA will continue to “nudge” VDOT in this direction.
    - 2. SCC Drilled Shaft Special Provision – Further discussions at upcoming Co-Op Committee meeting. VDOT asked VRMCA to review, and VRMCA will email to members for review and comments. Comments due at next Technical Committee meeting.

3. Contractor Quality Control – Recent VDOT personnel changes may require new written policy, but currently on hold until Lundy can review. VRMCA is undecided because every contractor reacts differently.
  4. ERS Sublots – This may be a dead issue because several entities may be testing the same concrete and we should expect confusion.
  5. Shotcrete – Waiting on VDOT decisions.
  6. Mass Concrete – Neal says prescriptive method will not work with mass concrete, and the issue remains undecided. Waiting on VDOT.
  7. Lightweight Concrete – Still in VDOT hands. Robinson commented that he is trying to discuss this topic with Lundy, but no success yet.
  8. Patching – Closed topic. Comments are “let it go”. Led to discussion of maturity meters. Maryland has had success with maturity meters. Wright is concerned about how the data is provided, and Swope had comments.
  9. Plant-Truck Certifications – VDOT Districts do not agree on procedures. Some VDOT decision will have to be made – possibly by August 8?
  10. VDOT Mineral Filler – Lengthy discussion, and VDOT is still working to find projects. There are some projects in the works. Weingart commented on potential projects and VDOT research.
  11. VDOT Paving Spec. for Secondary Roads – Swope reports completed. No longer on agenda.
  12. Flyash Update – No changes, with ruling expected in December. Comments by Keiper, Wahl, Wilson.
  13. 3 Day Curing – Neal led discussion of research results. Topic may be dropped.
  14. Roller Compacted Demo Project – Keiper reported that VCTIR demo project in Northern Va. Has three placements remaining. During the test process the mix design has become much more complicated, and the current design has 564 lbs. of cementitious material.
  15. 56 Day Strengths – Wahl commented that this method may not be accepted by VDOT, and that VRMCA does not support the process.
- e) “Super Air Meter” – Equipment is very expensive. This topic is off the agenda.

- f) ACI Flatwork Certification – Starnes commented that Denison is now approved to instruct flatwork certification class. Virginia Chapter of ACI is looking at offering flatwork certification classes, perhaps in combination with pervious concrete certification classes.
- g) VDOT Verification of Retarder Set Times – This will be a topic at the Co-Op Committee meeting. There are concerns about bridge deck set times with retarders, and standardized testing is necessary. Contractors are pushing for longer slabs and quicker completions by using retarders.
- h) Slab Efflorescence – Swope commented on the causes of efflorescence. The problem can normally be washed off, and there are no real concerns.

**VI. New Business**

- a) Cleaning pervious concrete – no discussion.
- b) Future topics – suggestions wanted.
- c) New Pervious Brochure – Danz handed out proposed new pervious brochure. It will be emailed to members for comment.
- d) Upcoming Pervious Class – Proposed certification class in Virginia Beach in October.
- e) Starnes noted the upcoming ACI International Conference on October 26-30 at the Hilton in Washington, D.C.

**VIII. Next Technical Committee Meeting** – October 22, 2014.

**VII. Next VDOT/VRMCA Co-Op Meeting** – July 29, 2014.

**IX. Adjournment** – Motion by Jones. Second by Neal. Adjourned at 11:44.