



Technical Committee

Wednesday November 6, 2019

10 AM – 12 PM

The Place at Innsbrook

Richmond, Virginia

- I. Call to Order – Chairman George Kuhn at 10:05 AM
- II. Antitrust Statement- The chairman discussed the antitrust statement and circulated it to all present.
- III. Introductions: Introductions were made, and the list of attendees is attached. The committee welcomed the guest speaker, Allen Tuck.
- IV. Approval of July 31, 2019 Minutes. Motion by R. Neal to approve; second by D. Imperial. Motion passed.
- V. Action Items
 - a. Technical Bulletins: G. Kuhn mentioned that TB's 1-7 are published online
 - Salt Scaling – The committee agreed this is a worthy topic. B Denison agreed to begin a draft.
 - Pavement Design – H Keiper explained that he envisions a promotion/technical bulletin to basically explain the design concepts for concrete streets and local roads with a list of references for the different methodologies. The committee agreed this is a worthy topic. H Keiper agreed to begin a draft.
 - Others. No other topics were offered
 - b. Newsletter Articles
 - chloride calculations – Published in Fall 2019 Newsletter. Written by R. Neal
 - curing boxes for cylinders – G. Kuhn requested input from the committee for this article.
 - ASR – No interest
 - Others: None offered. Later, H. Keiper suggested jobsite additions of water based on comments by D. Van Wyhe.

c. **Concrete Adherence Program**

- G. Kuhn explained that he shared committee's thoughts with board on a 9/6 conference call with the board of Directors for their input on Colorado's CA Program. The BOD was not enthusiastic about the committee's suggestion for Roundtable Regional Meetings in lieu of a CA Program. George says they are more interested in something more direct like Colorado's CA Program, and they deferred back to the Technical Committee for recommendations. A long and lively discussion on concrete testing followed. G. Kuhn would like to compare and contrast the acceptance criteria for ready mix concrete vs. products from other industries. George said there is great need for labs and engineers to properly use testing data that may indicate noncompliance with specifications or codes. B. Dennison and A. Tuck discussed cylinder breaking, caps, and cylinder preparation. D. Van Wyhe suggested that training for ACI Field Test Technician Level 1 should include more instruction on proper initial cylinder curing. G. Kuhn recalled that the committee has not yet reviewed the entire FTTL1 training program yet. No recommendations or action items came from the CA Program discussion.

VI. **Old Business:** Old business was skipped because of the preceding discussion on CA Program

VII. **Member Updates:**

- **Materials (cem, ash, agg, admix, ...):** H. Keiper explained that the correct term for recovering previously disposed fly ash is "harvested" per ASTM Committee E50

- No other updates were offered.

- **VDOT COOP Meeting Recap – Aug 5**

- G. Kuhn recapped the significant items from the COOP meeting. Full COOP minutes are attached to these minutes.

- **Revisions to TL27/28.** G. Kuhn suggested we prepare a new proposal to VDOT including a new push for an Option 4 approval where no standard provision or spec is published; and the mix does not lend itself to Option 1. Term is "single point mixes".

- **Remove the -200 limit for fine aggregate used in Opt's 2 and 3:** VDOT is pushing back hard. One suggestion was to recommend a higher limit, not simply abolish the limit. G. Kuhn suggested the committee review the newest version of C33 for limit changes.

- **ACI 211 mix design methodology:** G. Kuhn will follow up with Angela at VDOT and report back to the committee.

- Low Shrink Modified A4: G. Kuhn recommends the committee continue to advocate for minimum dosage rate limit of SRA.
- VDOT adopt ACI 318 acceptance criteria. Continue to advocate for acceptance.
- VDOT mixes without air entrainment: A suggestion was made to lower that lower end of the acceptance range for typical non-AE structures instead as a negotiating step.
- VDOT Field Technician no longer requires a class. Either WACEL or ACI FTTL1 are the only prerequisites. No change to VDOT plant certification.
- Virginia is host for the next annual 2020 Quality Assurance Workshop. Details are shown in paragraph

VIII. New Business

- Program: Allen Tuck gave a presentation on Special Inspections: Mix Design and Jobsite Verification of Fresh & Hardened Properties. He discussed the relationship between the concrete sections of Virginia Unified State Building Code, IBC, ACI 318, and the various documents included by reference. Allen emphasized that when there is a conflict amongst codes, specifications, drawings, etc; the code or something more stringent than the code is required.
- G. Boykin announced he had a complete 4-volume printed set of the "ACI Collection" that he wanted to donate to an interested member of the committee. Names were drawn, and B. Dennison was selected.

IX. Future Meetings

Technical Committee: 2020: Jan 22, April 15? (22 not avail), July 22, Oct 21 - The Place
 VDOT COOP Meeting: Jan 30, 2020 - VTRC, Charlottesville
 2020 Quality Assurance Workshop: Feb 11-13 – The Williamsburg Lodge
 VRMCA Fall Conference: Oct 27-29 – The Greenbrier

Meeting adjourned at 1:35 PM

Respectfully Submitted:

Hank Keiper
 The SEFA Group



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