



VRMCA  
Technical Committee Meeting Minutes  
April 25, 2018

Chairman George Kuhn called to order a Technical Committee (TC) meeting on Wednesday, October 25<sup>th</sup> at 10:05. Those present were:

George Kuhn	Bob Neal	Michael Robinson
Andy Faulconer	Kevin Goode	John Lockett
Ricardo Valentin	Scott Boshart	William Denison, Jr.
Robert Justice	David van Wyhe	Jennifer Greenwood

The minutes of the previous two meetings (July 19 & October 25, 2017) were approved with corrections to the lightweight section of the October minutes. Motion by Faulconer, 2<sup>nd</sup> by Goode.

Discussion was held on the purpose and goals of the committee. Topics discussed included:

History

- Sharing of information externally
- Speakers on various topics
- Problem solving
- How to affect changes to the industry
- How to impact producers

Bob Neal raised the problem of getting info out to the general membership, without which the meeting content holds little value. The question was asked how does the committee communicate the activities it conducts? Ricardo Valentin asked about options for web-based meetings to open things up to more people. Should we continue to meet quarterly, or focus on fewer topics? Jennifer Greenwood reported that one goal of VRMCA was to put more info on the website, and to include technical information in the newsletter. Andy Faulconer asked about the possibility of coordinating activities with the advisory councils, perhaps bringing technical topics of interest to the membership of those groups. Ricardo suggested presenting problems and technologies as rotating topics on future meeting schedules. Jennifer suggested possibly opening up the membership to the Advisory Council chairs.

Jennifer Greenwood introduced herself to the group and gave a VRMCA update. Included was a review of the website, and a look at the changes that had been made. There is technical info on it, although maybe not to the level needed. One challenges to hosting videos is the budget, although VRMCA is looking into this.

Bob Neal gave an update on the existing Technical Bulletins. Based on changes in the IBC, he will be updating the bulletins and focusing on ACI 318. Discussion included the possibility of updating the Advisory Councils on these changes.

Chairman Kuhn raised the issue of Round Robin testing programs, as discussed previously. In the absence of anyone stepping up to organize another round of tests, it was agreed by the group



to drop the topic from the agenda. The CCRL website is available to offer up labs that are in compliance.

Chairman Kuhn presented an update on the status of future COOP meetings. At VDOT and Andy Babish's urging, the current large group format would be discontinued and the meetings would be scaled down to a smaller appointed member group only format. Kuhn reported this was presented to him by Larry Lundy at the Concrete Conference in March. Kuhn is waiting for confirmation from Lundy that this new format would be followed moving forward. The Technical Committee would need to select their designated members to represent VRMCA at these future meetings – to take place at the July meeting. Neal reported that the format used to be like this, back around 1984, and that he would look for info in his files.

VDOT Items were discussed:

Lightweight – no changes, it is moving into the general spec book

TL 27/28 – discussion of the proposed TL forms and proposing to VDOT that the new TL-27 forms be submitted for approval.

The new TL-28 form would be proposed as alternate, optional form, like the way the Plant Certifications were phased in. Producers, for now, would have the option of using the existing forms, or moving to the new form provided each load was accompanied by batch weights with each ticket. The new form drops the weight information that appeared on the old forms, and producers would have the option of which form to use. This proposal would be presented to VDOT at the next COOP meeting for acceptance.

The new TL-27 forms would include proposed language stating that mixes would remain current provided material sources used do not change, materials remained on the VDOT approved lists, and mix continues to produce concrete meeting the requirements of the Specifications and Special Provisions.

Discussion of adding an Option 4 mix for specialty mixes like Shotcrete, SCC and other mixes that do not lend themselves to 3 point curves (option 2), field statistical backup (option 3) and for which there is no Table II-17 Class for use under Option 1.

VDOT Schools – Kuhn discussed with Lundy the need to add the training for Options 2 & 3 mix designs to the VDOT schools.

SRA – Low Cracking Concrete – there has been no change in VDOT's process for approving low cracking mixes. SRA use still requires shrinkage verification, and no minimum fixed dosage rate option.

Electronic Delivery Tickets – not a hot topic at this time until they are more widely available

Dual Meter Admixture Systems – more of these continue to be rolled out. Discussion held regarding changing the compliance to be in accordance with ASTM, and not as currently written.

ACI 318 Acceptance Criteria – discussion regarding moving strength acceptance to ACI guidelines (avg 3  $\geq$  F'c and indiv  $\geq$  F'c-500) as opposed to current requirement that no



individual break fall below F'c. This is consistent with the direction some of the recent low cracking SP have taken.

#### New Business:

1. Specifications requiring low w/c ratios where not needed or required. Goode and Neal reported having seen increasing occurrences of low w/c ratios being included as part of the specifications, and air being required when freeze/thaw durability is not an issue. Discussion was held about possible development of a presentation for specifiers, or a new Technical Bulletin. Questions arose as to who would compile the information and create a presentation. Neal volunteered to draft both for committee review. Neal and Greenwood agreed to work on getting this info out onto the VRMCA website.
2. Neal discussed changes to the new ACI 301 code: 3% max air in troweled floors, aggregate ASR testing, and ASR mitigation methods.
3. Kuhn alerted the group to a possible opportunity to evaluate and promote the use of pervious concrete based on the results of the I-81 exits 118 (conventional asphalt) and 140 (pervious concrete) Park & Ride projects. He stated that the SW Advisory Council has scheduled a seminar in Salem for June 7, and encouraged members to spread the word to encourage attendance.
4. Elevated air as measured by pressure meter testing was discussed. It was stated that 5% entrained air had good bubble spacing, whereas 5% with entrapped air did not, yet both would violate some of the spec limits as being tested and applied.
5. Future Lunch and Learns – discussion held as to the group developing topics and sponsoring and/or authoring lunch and learns.

Next Technical Committee Meeting is scheduled for Wednesday July 18 at 10am. Also October 24, and Jan 23, 2019 are scheduled – all at The Place, Richmond.

Next COOP meeting, tentatively for July 18 at 1pm at The Place, following the Technical Committee meeting – for committee chosen members to represent the group.

VRMCA Spring Conference –May 6-8 @ The Greenbrier

VRMCA SW Advisory Council Pervious (I-81 Exit 140 Park & Ride) Seminar – June 7, 8:30am at the Baymont Inn, Salem, VA

VRMCA SW Advisory Council Fall Golf Fundraiser – Thursday Sept 20, Ashley Plantation

Meeting was adjourned at 12:10pm