



VRMCA Technical Committee Meeting
The Place, Richmond VA
July 19, 2017

Attendees:

George Kuhn, Chandler Concrete
Andy Faulconer, GCP Applied Technologies
Scott Manning, Titan America
Teck Chua, Vulcan Materials Company
Michael Robinson, Carolina Stalite Company
Jason Connor, VRMCA
Brian Sheffler, GRT-MAPEI
Suzie Holycross, Command Alkon

I. Call to Order - Chairman George Kuhn call the meeting to order at 10:10 AM and reminded the group that the anti-trust statement was in effect.

II . Planning Session – Chairman Kuhn introduced a discussion of future meetings, format and meeting topics/ideas. Michael Robinson stated his opposition to the Carolina format which he stated only met on demand, as needs arose. He stated that 60% of their meetings revolved around NCDOT topics. Tech Chua stated that MD Ready Mix was also driven by DOT, and that ASR was a big item there. While DOT items were not a big % of the work, items affecting DOT do significantly impact other areas. Northern Virginia Council dealing with scaling, requirements of building code, 3500 psi vs. ACI 330 & 318 requirements. Brian Sheffler stated that Pennsylvania had a subcommittee that focuses on non-DOT issues, producing product bulletins, etc. Focus on P2P. Suzie Holycross suggested perhaps throwing ideas out, a one hour conference call to generate ideas, connecting to the arch/engr communities. Kuhn asked if there was a database of people, to send out materials to the arch/engr community. Chua reminded the group that one of the charges of the Technical Committee was to approve materials that were distributed. Kuhn suggested proposing materials, Connor stated marketing materials were ok, Sheffler stated we should share with other groups. Andy Faulconer suggested that we were doing good things relative to VDOT, and that it was fair for us to push hard to VDOT as that was generating innovation.

III. Old Business

- a) Jobsite Testing – Kuhn showed the video that was produced by the Central Virginia Council and stated that the group had ok-ed distribution of the video by a electronic poll of the committee membership. Connor stated that the video was put together to share with Richmond area GCs to combat incorrect practices. He also stated that there was discussion of a companion video showing the impact of not following the required

procedures. Kuhn reminded the group that such materials should be shared with the Technical Committee that had oversight.

- b) Round Robin Testing – a discussion was held over the purpose of round robin programs, to either evaluate the labs, or to evaluate the technicians. Making batches of cylinders to be picked up by labs, vs. having cylinders made by technicians from local labs. Conner stated that if the round robins were done thru local councils, the impact would be not as great as if one statewide round robin program done. Chua stated that Northern Virginia did a master set of cylinders that were picked up, and the data was used in C-39, 50 labs participated in the program and that WASL requires members to participate.

IV. VDOT Items – Kuhn reviewed the results of his conversation with Larry Lundy

- a) Mass Concrete – Lundy expressed an interest in using the WV studies, that took shape into consideration as well as mix and materials. The Dec 21, 2016 SP is still in effect, but there is a draft with changes being incorporated – Lundy to send a copy for distribution. Changes will include 56 day strengths and removal of max w/c ratios. One issue raised was the effect of contractors changing the mix to speed up construction schedules, which might put a mix into mass category, even if it otherwise would not have been prior – something that should be looked at. Lundy wants to move this into the spec book rather than continue as a SP. Discussion also of using mass as a method to reduce the higher overdesign of VDOT mixes vs ACI design criteria, Lundy is in favor of adding this as a new topic for VDOT discussion.
- b) Patching – VDOT is still working on, the latest revision will be sent out, goal is to incorporate section 217 of the spec book. Robinson stated that lightweight patching mixes take advantage of internal curing.
- c) Cold Weather Concrete – changes were submitted to the VA Construction Alliance, no word
- d) Low Cracking Decks – At the COOP meeting, concern was voice about a fixed dose not assuring the admix would lend desired results. Chua stated that VDOT was already relying on admix certification statement for other products, this should be similar. VDOT would like language from us for wording on possible fixed dosage rate approval without testing.
- e) Manufactured Fines – Chua reported that while VDOT was looking at the lack of pilot projects as possibly lack of interest, in fact the pilot program had opened up the use of non-compliant individual material use even when the overall mix was compliant and that this was a positive outcome. Lundy had stated DME's should be receptive to changes, but the only mechanism to incorporation was to go thru the contractors as the SP addition would have to modify their contract.
- f) Type II Cement – cement is in use in multiple plants in the state. Kuhn reported Lundy said the only issue being looked into was creep, but that was for pre-stress only.
- g) Admix Pre-Qualification – discussion on 12 month vs. earlier approval, Falconer reported the outcome depended on what was tested.
- h) Retarder Set Time Testing – Kuhn reported no update yet from the Research Council on a test method

- i) Point of Sampling – proposed language Neal put together was sent to the Virginia Construction Alliance for review, but no feedback has been provided yet.
- j) TL 27/28 forms – Kuhn stated Lundy was in favor of allowing use of new forms in pilot use, and would send to districts for comments to move forward.
- k) RCC – Kuhn reported final report is out, and available. Lundy wants to incorporate into spec book.
- l) Design Build Testing Issues – Kuhn said he is not sure where we go with this other than to raise awareness. Lundy had shared that in a recent district materials meeting, that criteria were being developed to evaluate people doing the testing.
- m) Lightweight Concrete – there is a draft that was sent to the VTCA, and Lundy stated it would be shared with us to review. Goal was to get it into the spec book and out of SP.
- n) VDOT Schools – still problems with the integration of the schools with the Community College system – Lundy was to reach out to Dwayne Sayers to check on.
- o) Pervious – Kuhn reported Lundy wants to incorporate into the spec book. One pour had been made on the I-81 Park & Ride project, only issue was weather related, high temps vs. the SP limits, but just getting started.
- p) SCC – discussion over pre-qualification testing vs. field testing, and that cylinder molding by tilting the cylinders was now incorporated into the spec book 217.08B referencing C1758 as a fabrication method. Discussion that slump loss was only needed if tremie placement, not for freefall placement methods, and should be looked at changing.

V. New Items –

- a) Electronic Invoicing – Kuhn stated that Lundy had met with Andy Babish and Bill Bailey, and that if VRMCA wanted to pursue this, they would look at, but not mandate it. One concern expressed was if the software was program specific.
- b) Admixes by Weight not Volume – Kuhn reported that Lundy was open to looking at under pilot program status.

VI. Future Meetings – COOP Meeting was scheduled for August 3 (Thursday). Next Technical Committee Meeting scheduled for October 25th.

VII. Electronic Invoicing – Holycross gave a presentation on the electronic invoicing concept and process.

VIII. Adjournment – meeting was adjourned following the electronic invoicing presentation.