

AASHTO SUBCOMMITTEE ON MATERIALS
TECHNICAL SECTION 4a
RIGID PIPE
2014 MID-YEAR WEBINAR
February 7, 2014
Agenda

I. Call to Order and Opening Remarks

II. Roll Call

- a. Present: KS, NV, CA, FHWA, GA, NC, PA, SC, TN, VA, WI, TX, WA, FL, AL, RI, KY, OK, Josh Beakley (ACPA), Kim Spahn (ACPA), Dan Currence (PPI), Shawn Combs (ADS), Evan Rothblatt (AASHTO), Russell Dabbs (AASHTO), Katheryn Malusky (AASHTO)
- b. Full attendance sheet can be found on the last page.

III. Approval of Technical Section Minutes

TS 4a minutes from 2013 Meeting in Lake Tahoe on August 7, 2013

- Motion to accept minutes: TN, seconded by NV

IV. Old Business

Discuss ballot negatives and affirmatives with comments

- Negatives:

- o AASHTO M170

- Removal of 25% maximum on fly ash. AR is concerned with removing this. ASTM C76-13a no longer has this 25% requirement. In addition, KS uses a manual that explains what a general recommendation is and class A has 15-25% and class B has 15-40% fly ash. VA noted we are trying to focus on performance and if a good product can be generated, a DOT should be able to accept this. A state can put their own limitations on this in addition to what the standard requires. Motion for negative to be found non-persuasive: VA, seconded by NC. Negative has been found to be non-persuasive.
- FL – Delete Note No. 4. The addition of the note will cause confusion. The specifying agency can specify any changes in the contract documents without including this note in M170. Note 4 will allow the acceptance of pipe with minimum of one three- edge- bearing test per year in lieu of routine acceptance tests. Notes are not a mandatory requirement. FL feels testing should still be done; they think it should remain mandatory. ACPA: worked with Eileen Sheehy to make sure the wording made it sound that the testing needs to be done unless the states give them an out. Rick Kreider believes revisions need to be made so the wording is clearer. NC thinks this information should be in the note, since it is an exception to the specification. FL- if it goes in the note, then it is non-mandatory. NC- include at least once a year in the standard and the rest of the information can be

put in the note. Motion made by NC, seconded by VA to find negative non-persuasive. AL disagrees. Required information needs to be in the specification, not in the note. AL and TN will work with NJ and ACPA to improve the language to make this information more clear.

- AASHTO M170M
 - Will be treated the same as AASHTO M170
- AASHTO M206
 - Will be treated the same as AASHTO M170
- AASHTO M207
 - RI: Page 7 of the minutes - Proposed Version of 8.1.6.1 is the current version of 8.1.6 for splices not welded as printed in the 2013 edition of our standards. This change will have to go out for committee ballot.
 - FL: Editorial changes will be taken care of.
- AASHTO M242
 - Will be treated the same as AASHTO M170
- Affirmatives with Comments:
 - AASHTO M170
 - RI: Why limit the steam cure chamber ambient temperature to 160°F? ACI and PCI recommend a max temperature of 180°F (80°C). If there is some technicality that we are not aware of that detrimentally affects the RCP at or above 160 (to 180) then the 160 limiting restriction would be okay. Based on the discussion, RI is fine with this.
 - AZ: (1) To be consistent with the punctuation used in Sections 6.2.4.1 through 6.2.4.5, Section 6.2.4.6 should not end with "fly ash, or", but rather should end with "fly ash,". Section 6.2.4.7 should not end with "fly ash.", but rather should end with "fly ash, or". (2) Changes in "M170" (Ballot Item #66) and "M170M" (Ballot Item #67) should be consistent with each other. With the exception of English units versus Metric units, both M170 and M170M should be identical. It would be ideal if these two standards could be combined into a single standard which would be designated as "M170M/M170", in the same manner as "M199M/M199", "M206M/M206", "M207M/M207", and "M242M/M242". (The combining of M170M and M170 would most likely have to be contingent upon ASTM combining C76M and C76 into a single specification.) The editorial changes will be made. The English version is focused on when trying to make changes.
 - WA: Comment: This proposed change eliminates the maximum amount of slag allowed to replace portland cement using the same reason used for deleting the max amount of fly ash. Was that intended? Realistically the amount of slag and fly ash could be increased, but there is an upper limit. KS is concerned with how all of the components work together. More flexibility needs to be created to allow for more types of conditions (KS).

- MO: Recommend Approval. Adding upper limit to steam curing is beneficial. Absorption clarification could be better if it mentioned being by source. As it is worded, it could be taken to mean that multiple quarries are covered by one sample.
 - All editorial changes will be made within the standards that went out for ballot.
 - AASHTO M199
 - I will respond affirmatively but give the tech section some information to consider for future revisions. These values for the weld strength criteria are extremely low. I recommend a more stringent requirement. Refer to the American Society of Civil Engineer's SIDD requirements for lapped circumferential and butt welds for reinforced concrete pipe. These criteria are similar to what's in M206 and M207. In addition, other critical factors are missing from this specification such as the need for a weld procedure specification to be developed and followed, quality parameters to control issues commonly encountered during production such as weld undercut. Consideration for reference to AASHTO D1.4's welding specification should be given. Josh will provide some information to the TS to see how these requirements were derived. If this doesn't answer PA's concerns, a task force can then be put together.

New Business

- Update on Task Force TF 2013-02- Inspection of Precast Concrete Products
 - Chaired by Tim Rulke (FL). This task force has had several conference calls and have drafted a few documents. Kim Spahn has done a lot of work to come up with a document that encompasses half of the information this task force wants to include. FL DOT also did a lot of work with this. A document is not ready to be presented today. This task force is focusing on the technical brief from FHWA. They are trying to take advantage of a third party certification program, but this cannot be used for an independent certification at the plant. This task is working with FHWA to see what is required and what is not. They have had a lot of good discussion, but are still circling to a consensus. Does the AASHTO document need to specifically name the third party certification (ACPA) or can this information be published someplace else? A small section has been drafted to allow TS 4a can be a review team for the third party audit process. VA feels this is not a responsibility of a TS. NC- To do some work, ACPA needs some AASHTO documents-R10 and R38-How can Kim Spahn have access to this?
- Update on Task Force TF 2013-03- Auditing the auditor
 - Chaired by Rick Kreider. This task force is looking nationwide as to what the certification is providing for each plant. AASHTO (NTPEP) can provide over site on the programs to allow states what the certification programs are providing to them. Next week at ACPA's annual meeting, the two task forces will meet to discuss these items. This task force hasn't had a lot of progress. They last met in October. Some

states want to see a lot of oversight, while other states do not see a lot of oversight needed.

- The states will need to review the programs to essentially agree to accept whether or not to accept a third party certification.
- How things get set up and what the specification requires would then allow NTPEP to adopt this information if this is what the states want.

V. Other Business/Open Discussion

- A TS 4a webinar will be scheduled for May. Perhaps we can schedule the call to take place during the NTPEP meeting.

VI. Adjourn

100th SOM Annual Meeting in Minneapolis, MN – July 27 to August 1, 2014

Information coming soon: <http://materials.transportation.org/Pages/default.aspx>

AASHTO Subcommittee on Materials Tech Section 4a 2014 Semi-Annual Conference Call

Attendance List

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