

SUBCOMMITTEE ON MATERIALS

Mid-Year Web Meeting

Tuesday January 26, 2:00 – 4:00 PM EST

TECHNICAL SECTION 4a

Rigid Pipe

I. Call to Order and Opening Remarks

- Chair: Bob Horwhat (PennDOT) – Vice Chair: Darin Tedford (Nevada)

II. Roll Call

A. (Spreadsheet – TS Voting members)

-States Present: MO, NJ-Voting member needs to be replaced with Paul, SC, VA, TN, and NV

i. Others

- Josh Beakley (ACPA), Michael Doran (TN), Danny Lane (TN), Heather Hall (TN), Brian Egan (TN), Dennis Dvorak (FHWA), Kenny Seward (OK), Oak Metcalfe (MT), Robert Sarcinella (AASHTO), Ryan Fragapane (AASHTO), Curt Turgeon (MN), Dan Miller (OH), Temple Short (SC), Merrill Zwanka (SC)

1. Announce

- a. Pls e-mail Katheryn Malusky <Kmalusky@ashto.org>

III. Approval of Technical Section Minutes

- Distributed August 25, 2016 (attached)
 - Motion to approve the minutes as distributed and second
 - Discussion
 - Vote

Motion made by NJ, seconded by VA. All were in favor of approving the minutes.

IV. Old Business

A. SOM Ballot Item

- a. Appendix – AASHTO T 244 Standard test method for Mechanical Pull Testing of Wire and Welded Wire Reinforcement for Concrete Pipe and Precast Products.
 - i. Handed off to TS 4F (Merrill Zwanka)

This will be sent out to TS 4f for comment. NV is the steward for this. NV included additional comments. This will end up being an appendix in AASHTO M 244. It will then be sent out as TS ballot. If permission is needed for the photos, PA can provide an email providing this permission.
- b. Rolling ballot 3 – Water Quality Standards
 - i. 46 approvals, 5 no-votes, 1 comment from TN. Referenced meeting requirements of M 157 tables 1 and 2. TN wants this standard to match M 157 Section 4.1.4. This editorial change will be made.

B. TS letter ballots

- i. None - received

C. Task Force/Work Group Reports

i. AASHTO M259 and AASHTO M 273

1. Workgroup 16-01 (AL, AK, MD, PA)

- a. Horwhat updated everything for workgroup review but the designs.
- b. Updating to AASHTO LRFD for standard designs
- c. PennDOT Bridge Design section performing designs
 - i. Did design review for ASTM C 1577
- d. When completed will go to TS ballot

ACPA: They would like to participate with reviewing these changes. They will check in with PA's Bridge Engineer to see what they can assist with.

IL: They have implemented C1577. Their Bridge Office has an interest in making this into an AASHTO standard. Can there be a harmonization between the AASHTO and ASTM standard? PA remembers there being a discussion of having these two separate be left as separate standards. Horwhat is in agreement to form a task force for the harmonization of these standards. (Task Force 1 formed for this call)

V. New Business

A. Research Proposals

i. Brian Egan (TN):

- 1. Any new proposals? No. Please send Brian an email if you have any suggestions.
- 2. Any new ideas?

B. AMRL/CCRL Issues

i. Any? None.

C. NCHRP Issues

i. Any? None.

D. Correspondence, calls, meetings

i. Any? M259 task force met. Details are above.

E. Proposed New Standards

i. Any? None.

F. Proposed/Needed New Task Forces/Work Groups

i. Action Item: Harmonization work group for the purpose of looking at C1577 and M 259. Will be discussed in greater detail in August.

G. Standards Requiring Reconfirmation (and Queries): No standards require confirmation (AASHTO?)

i. No standards required reconfirmation

H. SOM Ballot Items (including any ASTM changes)

i. Proposed future TS ballot revisions

- 1. Remove AASHTO M273
- 2. Replace with updated AASHTO M259 – AASHTO LRFD
- 3. Proposal: Remove all references to AASHTO WWR specs that have been withdrawn

a. M 32M/M 32, Steel Wire, Plain, for Concrete Reinforcement

b. M 55M/M 55, Steel Welded Wire Reinforcement, Plain, for Concrete

SC: These standards haven't been removed yet, but have been combined into one standard. This passed the full committee ballot.

i. Impacted standards:

- 1. M 170M/ M170
- 2. M 199M/M190
- 3. M206M/M206
- 4. M242M/M240

5. M259

- a. Replace with ASTM A 1064 - Wire and WWR
 - i. Add reinforcing bars (A615/A706) to M 259
SC: M31 has some wording to include weldable. This is the only change TS 4f made.

- c. Propose to revise Section 6.4.2 of AASHTO T280:
Moisture Conditioning—Unless the agency for which the testing is being done directs otherwise, the core test specimens shall be submerged in lime-saturated water in accordance with the provisions of T 24M/T 24.
 - i. T 24 does not currently allow for immersion in water.
 - ii. Have proposed to add this and correction factors from ACI 214 to T24 in TS 3C.
VA: A TS ballot will go out this spring and then pending the outcome, these changes will be taken to the full SOM ballot next fall.

I. Proposed TS name change:

- i. Revise from 'Rigid Pipe' to 'Concrete Drainage Structures'

- 1. No other recommendations were received as requested in August minutes

- a. **Action Item:** Horwhat will email the voting members to ask them if they are in agreement with this change or if they have other suggestions.
- b. TN: What about Rigid Concrete Drainage Structures?
- c. The Chair will be retiring in October. His last official duty will be to run the meeting in August. This critical vacancy will need to be filled. Please let Horwhat know if you are interested in filling this vacancy.

VI. **Open Discussion**

- Robert Sarcinella-AASHTO/NTPEP: The specification references for reinforcement in pipe. Those manufacturers who manufacture their own cages. These manufacturers may not be part of the NTPEP program. ACPA was looking at ASTM to clarify some of the wording regarding reinforcement. Sarc will send this information to Horwhat to share with the TS.

VII. **Adjourn**