



COMMITTEE ON MATERIALS & PAVEMENTS

2018 Annual Meeting – Cincinnati, OH

Monday August 6, 2018

3:45 – 4:45 PM EST

TECHNICAL SUBCOMMITTEE 4f

Metals

- I. **Call to Order and Opening Remarks** – Merrill Zwanka (SC) chair, Steven Ingram (AL) vice chair
- II. **Roll Call**
- III. **Approval of Technical Subcommittee Minutes**
 1. Mid-year web meeting held January 22, 2018. **Motion OK, Second MO. Approved**
- IV. **Old Business**
 - A. COMP 2017 Ballot Items – **For information**
 - i. 2017 confirmation ballot items completed – M 105, M 204, M 255, M 314
 - ii. 2017 COMP ballot items completed – M 203, T 244, M 32, M 55, M 221, M 225, MP 30 (M 336), M 31
 - B. TS 2018 Ballots
 - i. TS4f Ballot 1 – March 2018
 1. M 103 - All affirmative votes. **Comment from VA. T244 is being removed. A strength test needs to be referenced.**
 - a. **Motion to put T244 back in. Motion VA, Second OK. Passed.**
 2. M 163 - All affirmative votes. **Comments from VA and GA.**
 - a. **VA - Same T244 comment from VA. Motion to put T244 back in. Motion VA, Second OK, Passed.**
 - b. **Editorial comment to remove b after CF8 Chromium, 9 Nickel: 70B, 485B, 30B, 205B. Moved to make this editorial revision.**
 3. M 202 - All affirmative votes. Comment from VA.
 4. M 204 - All affirmative votes. Comment from VA.
 5. M 255 - All affirmative votes. No comments.
 6. M 285 - All affirmative votes. Comment from VA.
 7. T 65 - All affirmative votes. No comments.
 8. T 243 - All affirmative votes. Comment from VA.

Comments were same moving through Items 3-8. One overall motion was made to move all eight items to COMP ballot (with T244 added back to M103 and M163). **Motion VA, second IL. Passed.**

ii. TS4f Ballot 2 – May 2018

1. M 54 - All affirmative votes. Comments from PA, MO – **both editorial and changes were made.**
2. M 102 - All affirmative votes. Comments from VA, **PA (discuss)**, AL, SC, MO and OK – **editorial and changes made.**
 - a. **PA comment that tables in section 7 don't match ASTM standard. Merrill will mark as editorial and move forward. Comment on paragraph renumbering is being disregarded since it then won't match ASTM.**
3. M 111 - All affirmative votes. Comments from **PA (discuss)**, SC, MO, and KS – **editorial and changes made.**
 - a. **6.2, 6.2.1, and a figure were left out during ballot. Motion to resolve and move to concurrent ballot: motion OK. second MD, passed**
4. M 227 - All affirmative votes. No comments.
5. M 232 - All affirmative votes. Comments from CA, **PA (discuss)**, and MO – **editorial and changes made.**
6. M 275 - All affirmative votes. Comments from CA, **PA (discuss)**, AL, MO, and KS – editorial and changes made.
 - a. **Suggested revisions being skipped to keep match with ASTM.**
7. M 292 revisions - All affirmative votes. Comments from **VA (discuss)**, **PA (discuss)**, SC, and MO – **editorial and changes made.**
 - a. **VA – table references throughout standard seemed off. Merrill said he thinks it was just from track changes. They match ASTM as is, so will be left. Will verify the tables prior to the COMP ballot.**
 - b. **PA – 8.3.1 ISO 4033 reference is missing. Merrill - Will leave alone for now and look at further for next ballot.**

Motion to move these 7 (other than M111) to COMP ballot: Motion AL, Second VA, Passed.

iii. TS4f Ballot 3 – June 2018

1. M 270 update to harmonize with ASTM A709
 - a. 13 affirmative votes, 2 negative votes and 3 no votes.
 - b. CA – no vote but had comments, **comments addressed**
 - c. PA – affirmative with comments, **comments addressed**
 - d. VA – negative vote, **change made and withdrawn negative**
 - e. GA – negative vote, **comments addressed and withdrawn negative**

- f. Comments were reviewed by Marty Francis of Arcelormittal and changes proposed.

Motion to move M270 to COMP ballot: motion PA, second AL, passed

C. Task Force Reports

- i. A new task force for coated bars was proposed at the mid-year meeting. Chair asked the committee for someone to step-up and lead this TF. There were no volunteers so this TF proposal will not advance.

V. **New Business**

A. Research Proposals - **None**

- 1. Quick turnaround RPS
- 2. Full NCHRP RPS

B. AASHTO Technical Service Programs Items – **Report from Ryan Fragapane**

i. **NTPEP**

- 1. 37 rebar facilities, 27 welded wire, only one issue has come up – the welded wire shear requires a moving rig, but since the fixed rig is a more rigorous test it's been accepted by NTPEP recently. The committee has decided this is not the case any more. 5 or 6 manufacturers will all be notified of the change.
- 2. Wire only plants – 2 currently, a 3rd hasn't paid.
- 3. Stainless steel – 1 manufacturer signed up this year. Expect other 2 in 2019
- 4. 7-wire auditing is set to start in 2019.

C. NCHRP Issues - **None**

D. Correspondence, calls, meetings

- i. Attachment 9 – Ron Stanevich: e-mail from manufacturer requesting A36 material approval for Manhole/Catch/Basin/Inlet/Valve Box Riser. Merrill suggests contacting the manufacturer to have them bring something to the Technical Subcommittee to work with.

E. Presentation by Industry/Academia - **None**

F. Proposed New Standards - **None**

G. Proposed New Task Forces - **None**

H. Standards Requiring Reconfirmation

- i. M 111 – Currently under revision
- ii. M 169 – **Reconfirm**
- iii. M 232 – Currently under revision
- iv. M 254 – **Reconfirm (but needs updating)**
- v. M 270 – Currently under revision
- vi. M 277 – **Reconfirm**
- vii. M 285 – Currently under revision
- viii. M 292 – Currently under revision
- ix. M 306 – **Reconfirm**



- x. M 322 – **Reconfirm (but needs updating)**
- xi. M 329 – **Reconfirm (but needs updating)**
- xii. T 213 – **Reconfirm**
- xiii. T 285 – **Reconfirm**

No motion required and the standards requiring reconfirmation will be pushed through.

I. COMP Ballot Items (including any ASTM changes/equivalencies/harmonization)

VI. Open Discussion

- A. Merrill: M31, Table 3 – 2 columns (Grades 280 and 520 for Type W) were left in that were supposed to be removed to be equivalent to ASTM for grading types. Proposing to make changes editorially. **Chair called for a voice vote for a motion to move to COMP ballot instead of concurrent: VA Motion, OK Second, Passed.**

VII. Adjourn: Motion MD, Second PA, Passed. 4:40 p.m.