



## SUBCOMMITTEE ON MATERIALS

Mid-year Web Meeting  
 Wednesday, January 20, 2016  
 2:00 pm – 3:30 pm EST

### TECHNICAL SECTION 4f/g STRUCTURAL COMPONENTS/CONCRETE REINFORCEMENT

#### *Minutes*

#### I. Call to Order and Opening Remarks

#### II. Roll Call

*Voting Members Present on the call:*

<i>Name</i>	<i>State</i>
<i>Merrill Zwanka (Chair)</i>	<i>South Carolina</i>
<i>Steve Ingram (Vice-Chair)</i>	<i>Alabama</i>
<i>Michael San Angelo</i>	<i>Alaska (joined TS during meeting)</i>
<i>Ivan Lasz for Steve Duke</i>	<i>Florida</i>
<i>Rick Douds for Peter Wu</i>	<i>Georgia</i>
<i>Scott Hughes for Matt Mueller</i>	<i>Illinois</i>
<i>Darin Tedford</i>	<i>Nevada</i>
<i>Ron Horner</i>	<i>North Dakota</i>
<i>Kenny Seward</i>	<i>Oklahoma</i>
<i>Danny Lane</i>	<i>Tennessee</i>
<i>William Bailey</i>	<i>Virginia</i>

*Friends present on the call:*

<i>Name</i>	<i>Affiliation</i>
<i>Danielle Kleinhans</i>	<i>CRSI</i>
<i>Dean Krouse</i>	<i>Krouse Consulting</i>
<i>Shannon Pole for Martin Gagne</i>	<i>Inter. Zinc Assn.</i>
<i>David Miller</i>	<i>MMFX</i>

*See attached list for all attendees.*

#### III. Approval of Technical Section Minutes

Meeting held August 5, 2015 in Pittsburgh, PA. Attachment 1

*Motion to approve AL (Ingram), Second OK (Seward)*

## IV. Old Business

### 1. SOM Reconfirmation Rolling Ballot 2 Items

- A. **Item 1:** Reconfirmation of **M102M/M102-06 (2011)**. 14 yes, 0 no, 2 no votes. *Comment from New Jersey to consider looking at A668-15 for updates. Planning a 2016 update of M102.*
- B. **Item 2:** Reconfirmation of **M202M/M202-08(2012)**. 14 yes, 0 no, 2 no votes. *Comment from New Jersey to consider looking at A328-13a. Planning a 2016 update of M202.*
- C. **Item 3:** Reconfirmation of **M203M/M203-12**. 14 yes, 0 no, 2 no votes. *Comment from New Jersey to consider A416-12a. Planning a 2016 update of M203.*
- D. **Item 4:** Reconfirmation of **M272M/M275-08(2012)**. 14 yes, 0 no, 2 no votes. *Comment from New Jersey to consider A722-15. Planning a 2016 update of M272.*
- E. **Item 5:** Reconfirmation of **T253-02(2011)**. 14 yes, 0 no, 2 no votes. *Comment from CRSI stating that this test method is under review within the National Concrete Consortium group and suggested that they be consulted for their comments. This information was passed along to Pete Wu (Georgia) for consideration.*

### 2. Status of Standards

- A. Numerous standards need updating in 2016. See attached spreadsheet showing the status of each standard. *Need to ensure stewards are assigned and correct so that they can start work on updates to the standards. Attachment 2 Had comments on a number of standards and need stewards to work on them to get updated. Merrill touched base, had some hits and misses with stewards. Reviewed and assigned stewards to standards. AMRL will assist with getting equivalencies to ASTM. Mike San Angelo requested to get AMRL's check sheet (for which they assess labs) for these standards.*

**M31** – Scott Hughes (IL) has been hit hard with retirements, thus will check with his bureau chief to get an answer back to Merrill if they will be able to continue this forward. If they cannot take it, OK (Seward) will take this standard.

**M32** – no one on the TS from TX. May get rolled into a general standard for welded wire combining 4 standards to 1. AK will take a look at this standard. Add Mike to the TS.

**M54** – will leave with NJ (Sheehy)

**M55** – one of the standards that will get rolled into A1064

**M169** – OK (Seward) will be steward, but will need assistance. AMRL is currently working on equivalency.

**M204** – Will wait to hear back from Scott Hughes

**M227** – OK (Seward) will be steward

**M255** – OK (Seward) will be steward, but will need assistance. AMRL is currently working on equivalency.

**M270** – OK (Seward) will be steward, but will need assistance. AMRL is currently working on equivalency.

**M329** – Paul Virmani (FHWA) retired. Jack Springer to find replacement on this TS. Will leave this with FHWA whomever the replacement is.

**MP22** – still no one

**T285** – No one on the TS from ID. AK (San Angelo) will take this standard and incorporate changes. Need more emphasis behind this standard since it is a frequent test utilized.

Mechanical reinforcement standards need to be consolidated rather than having them in a disjointed array of standards in different places. Maybe Mike can work with NV (Tedford) to incorporate T244 together with this standard.

- B. **M31M/M31-15, Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement** – Mistake noted in table and proposed revision by Illinois. Attachment 3

*IL has done quite a bit of work on this looking at A706 steel there is no AASHTO equivalent. IL modified M31 to incorporate the A706 requirements, so there is one reinforcing steel spec*

rather than an array of standards. ASTM has also changed A615 to say the inspection is between the mill and the purchaser; does this take the DOTs right to inspect away? Doesn't matter, if state DOTs are utilizing the NTPEP audit program for reinforcing steel to inspect. CRSI reviewed the changes recommended by Chris Hahn; there are issues noted, such as grades of A706 that are not available. Client/purchaser issue was added to the ASTM spec to curtail visits from numerous purchasers, but not curtail DOTs from being able to inspect the mill.

San Angelo touched on storage and the importance that material is properly covered and protected for storage and for shipment. Do we want to differentiate ourselves from ASTM in the language regarding storage; take a common sense approach with some language on covering rebar. Migrate some language over from the AASHTO Construction manual. The benders and packagers will properly cover if it is well outlined. Mike San Angelo will forward his comments. Danielle Kleinehan will review and add comments, then pass along to the steward for review and sign off before it goes to TS ballot. Final comments to be submitted to Merrill Zwanka.

- C. **M270M/M270-15, Structural Steel for Bridges and ASTM A709 standards.** Email/call from Norman McDonald, State Bridge Engineer, Iowa DOT and Chair of AASHTO SCOBS TC T-14, Structural Steel Design, which is responsible for Section 6: Steel Structures in the AASHTO Bridge Design Specifications. Is **M270** being used by any state and can it be discontinued? Greg Uherek (AMRL) provided information from January 2016 showing that 14 labs are accredited and 7 of those are DOT labs. Additionally, Dean Krouse of Krouse Consulting and ASTM A01.02 liaison to TS4f/g, provided a list of items to be considered for updates to **M270**. Attachment 4

McDonald: the Bridge and Structure subcommittee TC for which Norm is chair has standards coming due and need to know if there are any updates to M270 equivalent to A709. M270 and A709 have for the most part been identical in all technical aspects. As bridge and structures will not be doing interim updates, the standard will be in place for 3 years. Have typically dropped M270 and just follow A709. OK dual specs M270 and A709 for ease; suppliers want to talk A709.

Dean Krouse touched on the addition of 12% Cr in ASTM A709. This has been going with T14 (Design) and they now have 10 years of experience with this out in the field. This would be stated as 1250Cr for weathering steel. IL has objected and Dean will resubmit hoping to overcome IL objections.

OK motions to sunset M270; TN seconds. This item will be on the next TS ballot to sunset the standard M270.

- D. **MP XYZM/MP XYZ-15, Steel Wire and Welded Wire, Plain and Deformed, for Concrete Reinforcement.** AASHTO equivalency for **ASTM A1064** per TS ballot SOM\_TS4F-15-03, Combined Standard for Wire Reinforcement.

Received comments back from AMRL, CRSI, and ACPA on the draft standard. Robert Sarcinella of AASHTO is going to go through the comments and prepare a revised draft of this standard for TS ballot. Target is March 2016.

- E. **Steel Fiber Concrete Reinforcement.**

This draft provisional standard has been on hold but Heidi Helmink of Propex is now helping address some technical comments from an earlier TS ballot. Planning to put this updated draft out for TS ballot this spring.

### 3. Task Force Reports

- A. Task Force 2015-01: **MP18**, Uncoated, Corrosion-Resistant, Deformed and Plain Alloy, Billet-Steel Bars for Concrete Reinforcement and Dowels: Separating out the testing portion into its own standard, the need for a more specific mix design, and Annex vs Appendix requirements. This may result in three different test methods. Virginia, Florida, New Jersey and Pennsylvania with Bill Bailey (VA) taking the lead on this task.

*Bill has had Virginia DOT folks reviewing the information and Deb Kim of AASHTO will be working on editing the document to pull out the Annexes and come up with three new test procedures. Targeting a TS ballot in March 2016.*

*Separate these out into AASHTO formats, will have them to Bill in March. Will discuss updates. AK updates to improve that. Annex A1, A2, and A3 should all have names and designations for the test methods in the standards to look at it once rather than several times.*

### V. New Business

1. Proposed New Standards
  - A. *MP18 should be finalized and ready by meeting in August. If approved, the test procedures will become new provisional standards.*
2. Proposed New Task Forces - *None*
3. SOM Ballot Items – *No additional comments*

### VI. Open Discussion

*No additional discussion*

### VII. Adjourn

*Motion to adjourn by Virginia, seconded by OK. Adjourned at 3:00 p.m. EST.*

FirstName	LastName	Title	Company	StateCode	Email	Designation	MemberType	Present?	
Merrill	Zwanka	Materials a	South Caro	SC	zwankame@scdot.org	Chair	Voting	X	
Steven	Ingram	Testing Eng	Alabama D	AL	ingrams@dot.state.al.us	Vice Chair	Voting	X	
Steve	Duke	Inspection	Florida Dep	FL	Steve.Duke@dot.state.fl.us	Member	Voting	X	<b>*Ivan Lasa sitting in for Steve, FL DOT</b>
Peter	Wu	Assistant S	Georgia De	GA	pwu@dot.ga.gov	Member	Voting	X	<b>*Rick Douds sitting in for Peter Wu, GA</b>
Matthew	Mueller	Engineer o	Illinois Dep	IL	Matthew.Mueller@illinois.gov	Member	Voting	X	<b>*Scott Hughes sitting in for Matt Mueller, IL</b>
Richard	Kreider	Chief of M:	Kansas Dep	KS	richard.kreider@ksdot.org	Member	Voting		
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Kenny	Seward	Structural I	Oklahoma	OK	kseward@odot.org	Member	Voting	X	Scott Seiter and Matt Romero for OK as well
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Danny	Lane	Operations	Tennessee	TN	danny.lane@tn.gov	Member	Voting	X	Joe Kerstetter for TN as well
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**TS <NUMBER> Mid Year Web Meeting Summary**

**Meeting Date:** 20-Jan-16

**Items approved by the TS for TS/Subcommittee/Concurrent Ballot:**

Standard Designation	Summary of Proposed Changes	TS Only, Subcommittee Only or Concurrent? (TS / S / C)

**New Task Forces Formed: None**

Task Force Name	Summary of Task	Names of TF Members

**Research Liaison:** Lyndi Blackburn (AL) - Merrill is verifying

**Other Action Items:**

Many standards are in the process of being updated to match ASTM and to address CRSI and other comments.