

AASHTO SUBCOMMITTEE ON MATERIALS
TS 4d - SAFETY DEVICES MID YEAR WEB MEETING
FEBRUARY 18, 2014 – 1:00 – 3:00 PM EST
Chair: Colin Franco Vice Chair: Steve Krebs
Admin/Tech Support: Henry Lacinak (AASHTO)

Minutes

1.0 Meeting called to order by Colin Franco, chair

2.0 Membership Update

- **David Lippert (IL) retired**
- **Update on AASHTO's request for a FHWA liaison for Tech Section 4d**
- **New Tech Section 4d member Tim Ruelk (FL)**
- **Call Attendance Roster on last 2 pages of minutes**

3.0 2013 Technical Section Annual Meeting Minutes Approved

4.0 2013 Assigned Standards

- 4.1 Curt Turgeon (MN) will steward M280
- 4.2 Danny Lane (TN) will steward M290 assisted by Steve Krebs (WI) and Peter Kemp (WI).
- 4.3 Bill Bailey (VA) will replace for Dave Lippert to steward M 268
Kelly Morse (IL) will assist
- 4.4 Bill Bailey (VA) will replace Scott Seider as steward of T 257
Dave Kuniega (PA) will assist
- 4.4 Scott Seiter (OK) will replace for Lloyd Welker to steward M 279

5.0 2013 Technical Section Ballots

5.1 Revise M 281 in accordance with A 702

ASTM has removed all shapes other than Tees and has changed types of steel being utilized.

Standard bearer with ASTM has been contacted, but no response yet. Other changes in types of steel being used.

Scott Seiter (OK) not using much in fencing. U-post may be using in delineator posts.
Set up a task group to look into matter. See what states are using. If other shapes and types of metals are being used, we may not want to make changes made in ASTM.

Rick Douds (GA) is one of the stewards.

Task Force – Scott Seiter (OK), chair, Darren Hazlett (TX), Rick Douds (GA) will survey states to determine use.

6.0 2013 SOM Ballot Item

6.1 Item 84 SOM concurrent ballot to revise M 280 was approved with comments

Colin – What are current rounding rules?

Should we be correcting?
Evan - Make sure we are consistent for all standards.
Geary – soft or hard conversion?
Leave for AASHTO to determine.

6.2 Item 85 SOM concurrent ballot to revise M 30 was approved with comments

Franco – Lighter coating (less than half) for Class 1 in Table 3.
Franco - Do away with Class 1 in AASHTO standard?
Lacinak – Agency can specify.
May have use in less severe environment.

Motion made to eliminate Class 1 from AASHTO by TS ballot.
VA/TN - passed

If affirmative response in TS ballot, item to eliminate Class 1 from M 30 will go to SOM ballot.

6.3 Item 86 SOM concurrent ballot to revise M 279 was approved with no comments

No action needed.

6.4 Item 87 SOM concurrent ballot to revise M 268 was approved with comments

Accept note as voted affirmative by all members - with editorial changes to add “of same color” and change “shall” to “should” since notes are typically informational and for guidance.

AZ comment. D2244 was added as reference to describe Delta E more in depth. Additional information requested by VA for review by Task Force to review meaning of Delta E to be handled at a future meeting. (May be various methods of determining Delta E.

Task force asked to review and return with comments in August 2014. This may be a long range research project for the Task Force and may take longer than just a few months.
(Kelly & Jim)

Overlay film for black:

Hazlett (TX) – Requesting overlay film for black to be vinyl only.

TX has massive failures possibly due to excessive UV.

May want to do a survey prior to eliminating other products.

TX – Proposes default to acrylic for black overly film, but allow other products if user specifies or allows. “Unless otherwise specified (or approved) by user.”

VA & IL will be OK with such a note.

Motion to send to TS ballot (language to be supplied by Darren Hazlett).

TX/VA - passed

If affirmative response in TS ballot, item will be revised and go to SOM ballot.

Chair - Kelly Morse (IL), Darren Hazlett, Jim Swisher, Jason Davis

7.0 Task Force Reports

7.1 TF TP1032010 – TP-103 - Detectable Warning Systems, Steven Krebs (WI) chair

Review and report on 2012 comments and responses

Do any of the recent DOJ rulings impact TP-103?

TN – more in depth at NTPEP meeting.

Survey will be sent out to determine use of TP 103.

TN does not use. Equipment not on market yet.

MP 12 – This is where DOJ changes will be more applicable.

7.2 TF 2682009 - Retroreflective Sheeting for Flat and Vertical Traffic Control Applications

8.0 OLD BUSINESS

Proposed 20-7 research statement for the selection of Sign Sheeting Materials provided through TTI and VDOT. Update by Amir Hanna on status of submission to NCHRP Chair suggests that it should be slightly revised for a full study. What is the proposed outcome for the research? This should be how the research statement be revised (Hanna). Amir (TRB) agreed to revise the research problem statement for full research proposal.

See wording in email from Amir Hanna. Email forwarded to Task Force for M268.

Colin – Do we want to move forward? Will be discussed in Task Force.

Moving forward – Task Force asked to revise problem statement and have it ready by end of March to have reviewed in April at AASHTO spring meeting if under \$100,000. Jim Swisher will get with Paul Carlson for revised wording by the end of March. Will be sent to Colin Franco & copy Georgene Geary.

9.0 NEW BUSINESS

9.1 Tensioned Cable Guardrail Specification proposal to 20-7

Submitted to Jack Spring full NCHRP. RAC is voting on submittals now & will find results by end of March.

9.2 Update on Friends of the Committee Operations Guide

One official request was made by 3M. Will request bio to be sent to chair.

10.0 ADJOURN

Attachment - 2013 SOM Ballot Results

Ballot Number: SOM-13-01

Ballot Name: AASHTO Subcommittee on Materials 2013

Technical Section 4d

Attachment(s): [TS 4d minutes.pdf](#)

Item Number:	84 (46 / 0 / 6)
Description:	Concurrent ballot item to revise M 280. See page 1 and attachment B of the minutes.

Agency (Individual Name)		Decision
Virginia Department of Transportation (Charles A. Babish) (andy.babish@vdot.virginia.gov)	<p>Table 2 and Table 3 - the conversions are not consistent. For example, in Table 2, 0.60 oz/ft² is converted to 200 g/m² whereas in Table 3 the value is converted to 183 g/m². In Table 2, 0.65 oz/ft² is converted to 200 g/m² whereas in Table 3, is is converted to 198 g/m². In both tables 0.75 is converted to 230 g/m² whereas to be consistent this value would be 229 g/m². <i>The corresponding ASTM A 121 contains the same errors</i></p> <p>Section 11.1 - Should "contractor" replace "manufacturer"? Are there any contractors involved with the inspection of materials other than field inspection on the project? <i>Recommend no revision</i></p> <p>Sections 6.3.1 and 6.3.2 specifically discuss wire gages 12-1/2 and 14 respectively, but other wire gages are cited in Table 1. It appears the two above referenced articles should be expanded to cover other wire gages included in Table 1 of this Specification. <i>Although minimum coating weights are listed for the smallest diameters for wire and barb no minimums are listed for the larger diameters listed under Table 1</i></p>	<p>Franco – What are current rounding rules? Should we be correcting? Rothblatt - Make sure we are consistent for all standards. Geary – soft or hard conversion? Leave for AASHTO to determine.</p>

Item Number:	85 (46 / 0 / 6)
Description:	SOM ballot item to revise M 30. See page 1 and attachment C of the minutes

Agency (Individual Name)		Decision
Rhode Island Department of Transportation (Mark E Felag) (mfelag@dot.ri.gov)	New ASTM Designation needs to be added in the title. Concur	
Arizona Department of Transportation (Bill Hurguy) (bhurguy@azdot.gov)	<p>(1) In Section 5.2, the “or” between “for” and “Zinc” needs to be deleted. Concur</p> <p>(2) The thickness, given in both English and Metric units, of Class A and Class B coatings shown in Table 2 are equivalent to the thickness of Class A and Class B coatings shown in Table 3. Is it correct for the thickness, given in both English and Metric units, of Class 1 coatings which are shown in Table 3 to be considerably less than the thickness of Class C coatings shown in Table 2?</p> <p>These changes were adopted by ASTM and are copied correctly into the AASHTO ballot. If Class 1 is desired to be removed from the AASHTO standard, a motion would be entertained.</p>	<p>Franco – Lighter coating (less than half) for Class 1 in Table 3.</p> <p>Franco - Do away with Class 1 in AASHTO standard?</p> <p>Lacinak – Agency can specify. May have use in less severe environment.</p> <p>Motion to eliminate Class 1 from AASHTO by TS ballot. VA/TN If affirmative go to SOM ballot?</p>

Item Number:	87 (46 / 0 / 6)
Description:	Concurrent ballot item to revise M 268. See page 2 and attachment F of the minutes.

Agency (Individual Name)		Decision
Virginia Department of Transportation (Charles A. Babish) (andy.babish@vdot.virginia.gov)	Notes 2 and 3 - correct formatting Concur To be corrected by AASHTO editors.	
Rhode Island Department of Transportation (Mark E Felag) (mfelag@dot.ri.gov)	Section 5.2 - Should add parentheses around the wording 'See Note 2' and 'See Note 3'. Concur I did not see the reference for Note 4 in the standard. Reference to Note 4 is not needed since this note is informational (and not required).	

Attendance Roster:

Name	Representing: State / Company	Email Address	Phone	Designation	Member Type
Franco, Colin A., chair	RI	cfranco@dot.ri.gov	401-222-3030 x4110	Chair	Voting
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Dvorak, Dennis	FHWA Absent	dennis.dvorak@dot.gov	708-283-3542	Member	Voting
Tim Ruelke	FL Absent	timothy.ruelke@dot.state.fl.us	352-955-6620	Member	Voting
Douds, Richard	GA	richard.douds@dot.state.ga.us	404-608-4805	Member	Voting
Vacant	IA				
Vacant	IL				
Castle, Derrick	KY	derrick.castle@ky.gov	502-564-3160	Member	Voting
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Attendance Roster (Cont'd):

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