

Minutes

AASHTO SUBCOMMITTEE ON MATERIALS TECHNICAL SECTION 4C COATINGS, PAINTS, PRESERVATIVES, BONDING AGENTS AND TRAFFIC MARKINGS

Webinar

Thursday, January 30, 2014

1:00 to 3:00 PM EST

1. Call to Order/Opening Remarks/General Business – Minutes

- Motion by (TN/TX) to approve. Motion carried.

2. Roster---Roll Call

AL	Steve Ingram	TN	Danny Lane
CA	Phil Stolarski	TX	Darren Hazlett
CT	Bob Lauzon	UT	Scott Andrus
GA	Rick Douds	VA	Bill Bailey
KS	Rick Kreider	VT	Bill Ahearn, Vice Chr.
KY	Derrick Castle	AASHTO	Evan Rothblatt
LA	Jason Davis	AASHTO	Henry Lacinak
MA	Clement Fung	AMRL	Bob Lutz
MD	Woody Hood	AMRL	Ron Holsinger
MT	Matt Strizich	AMRL	Haleh Azari
NH	Alan Rawson, Chr.	AMRL	Maria Knake
NJ	Eileen Sheehy	AMRL	Tracy Barnhart
PA	Tim Ramirez	AMRL	Steven Lenker
		FHWA	Paul Virmani

3. Friends of TS 4c

Gene Carlson	3 M Company
Robert N. Dingess	Mercer Strategic Alliance
Andy Anderson	Potters Beads

4. SOM Ballot Negatives & Comments – Discuss resolution

- Item 77 – M235-13, *Epoxy Resin Adhesives* – Revision to retain 11.3 Filler Content and 11.4 Epoxy Equivalent (46-0-7)
 - Chair stated that TS 4c decided to leave in Section 11.3 and 11.4 in the 2013 publication of standard M 235 based upon comments received when item was balloted previously. Because of this decision by TS 4c, it was decided to send to full ballot to obtain concurrence and approval of this decision.
- Item 78 – M247-13, *Glass Beads Used in Pavement Markings* – Exclude TP 107 XRF and add note (45-1-7)
 - Similar to Item 77, the decision was made to exclude the provisional test method TP 106 XRF in Section 3.4 and to add

the following note: Note – End user may consider the use of alternate methods such as TP 106 if not a Federal Aid Job in the 2013 publication of standard M 247 based upon comments received when item was balloted previously. Because of this decision by TS 4c, it was decided to send to full ballot to obtain concurrence and approval of this decision.

- Negative by Idaho. Ron Wright (ID) presented the negative in detail. After discussion, negative was withdrawn.
- Item 79 – M143-13, *Sodium Chloride* – Revise to add note allowing tolerances (46-0-7)
 - Item was discussed indicating that the intent was not meant to be a procurement specification, but one that would be used during field application which may be variable due to expected low roadway temperatures at the particular site.
 - Bill Ahearn (VT) – Tolerance note is needed.
 - Dave Kuniega (PA) – Value is final percentage for use, and not a procurement value.
 - Ron Wright (ID) – Idaho specifies initial concentration and varies application rate.
 - After discussion, decision was to accept M 143 as balloted.
- Item 80 – M144-13, *Calcium Chloride* - Revise to add note allowing tolerances (46-0-7)
 - After discussion, decision was to accept M 144 as balloted.
- Item 81 – New TP-xx-14 – *Measuring Retro using MRU* (45-1-7)
 - KY negative was discussed as follows:
 - Derrick Castle (KY) – discussed the following negative in detail: *The standard does not address the difference in retroreflectivity values obtained when collecting data in the direction of the striping installation or the opposing direction.* Negative withdrawn if informational note is added regarding direction of travel and direction of data read. Castle will work with Bouzid to develop note and submit to chair.
 - **ACTION ITEM:** TP 111 – Derrick Castle (KY) will work with FL to develop wording for an informational Note to address the issue that values will be average which may be affected by direction of application vs the direction of travel when taking readings and submit for TS ballot.
 - Jim Swisher (VA) – discussed comment from VA regarding acquisition of equipment separately. VA is OK with current language.
 - Andy Babish & Swisher (VA) – discussed VA comment on precision. OK with current language, but may be a need to have some R&R statement. Concerns were expressed between hand held units and MRU. May need to be determined later.
 - Babish (VA) - End user needs to understand that the data between the two devices is not necessarily interchangeable.

- Castle (KY) – Disagrees. Feels that the two instruments can be expected to read within 10% of one another. However, a deviation of less than 5% is typical.
 - Swisher (VA) – some tolerance should be established for the MRU.
 - Bouzid Choubane (FL) will address and submit recommendation.
 - Bouzid Choubane (FL) addressed RI comment.
 - Idaho comment:
 - After much discussion, installation of the GPS is to be included as a requirement rather than an option. Bouzid Choubane will make this change.
 - Calibrations will be required at a minimum of once per day.
 - **Motion** made to have Florida make changes to standard and submit as Tech Section ballot. (VA/TN) Motion passed.
 - **ACTION ITEM:** TP 111 - Bouzid Choubane will address concerns with precision and insert wording to specify GPS as a requirement and submit for TS ballot.
- Item 82 – New PP-xx-14 – *High Friction Surface Treatment (45-1-7)*
 - Danny Lane (TN) – KY negative. Motion to find negative persuasive. (MT/VA) Motion passed. Additional comments were addressed by Lane (TN).
 - Lane (TN) - Calcined bauxite is a proven high friction system with much success in KY and TN.
 - Modifications will be made to address the negative and comments.
 - Motion to send changes to TS ballot. (KS/KY) Motion passed.
 - **ACTION ITEM:** PP 79 – Danny Lane will address KY negative and submit for TS ballot.
- Item 83 – New MP-xx-14 – *Waterborne Traffic Paint (45-1-7)*
 - Nevada negative (Item 1) – Ron Burke (NV) discussed details regarding negative. Reference was made to TT-P-1952e which is a federal specification established 10 July 2007 for waterborne traffic paint. Burke suggested TS 4c review this document.
 - Task Force consisting of Dave Kuniega (PA), chair and Ron Wright (ID), Ron Burke (NV), Darren Hazlett (TX), Derrick Castle (KY), Henry Lacinak (AASHTO) will review Item 1 of Nevada negative regarding the tolerances for Weight/Gallon; Vehicle Solids; & Pigment Content and recommend action at Fall 2014 annual SOM meeting.
 - Nevada negative – (Item 2) – No track dry time.
 - Kuniega (PA) - 5.8 is not D711 (wheel test), but Rohm and Hass high humidity testing. Agree revision is needed.
 - **ACTION ITEM:** Dave Kuniega and TF will review negative from NV and all comments and recommend action at Fall 2014 annual meeting. Conference calls are recommended for further discussion.

5. Task Force Chair Progress Reports

- TF 04A, Uniform Traffic Marking Color – Henry Lacinak (AASHTO)
 - Task Force 4A work has been completed. TG 4A has been closed.
- TF 04D, R31-09, *Evaluation of Protective Coating Systems for Structural Steel* - Evaluate Amending to include zinc coatings – Derrick Castle (KY)
 - No status report.
- TF 11C, M247-13, *Glass Beads Used in Pavement Markings* - Define what constitutes “transparent, clean, colorless glass” – Tim Ramirez (PA)
 - NCHRP Report 743 will be distributed to task group members for review. If a consensus is reached, a definition to better define quality and performance issues of glass bead in M 247 will go to TS ballot.
- TF 11D, M249-12, *White and Yellow Reflective Thermoplastic Striping Material* - Wet weather performance & FAA CEI equation table – Bob Lauzon (CT)/Rob Dingess (Mercer)
 - Paul Carlson thinks there is a need and AASHTO standard would be beneficial. Paul was asked to report back at 2014 SOM meeting.
- TF 12-01, PP73-13, *Quality Assurance, Job Site Quality Control, and Reapplication of Protective Sealers for Portland Cement Concrete* - Address PA comments B & C – Jerry McMahan (VT) & Dave Kuniega (PA)
 - Dave Kuniega will check into these procedures and get back with TS at 2014 SOM meeting.
- TF 13A, M 235-13, *Epoxy Resin Adhesives* – Investigate comments from PA (Revise 11.3 substituting benzene to toluene or change procedure to ashing to eliminate need for any type of solvent) Dave Kuniega (PA)
 - Status report will be given at 2014 SOM meeting.
- TF 13D, M 247-13, *Glass Beads Used in Pavement Markings* – Investigate comments from PA (carbon free beads & Utah test for bead quality) Dave Kuniega (PA)
 - Chair has requested to involve Carl Anderson for P&B. Asked to get with Carl Anderson and Eileen Sheehy (variability very high) and report at 2014 SOM meeting. Recommendations will be sent out for comment prior to going to TS ballot.
- TF 13E, TP 106-13, *Determination of Heavy Metal Content of Glass Beads Using X-Ray Fluorescence (XRF)* (address negatives and comments in Fall 2012 ballot) Eileen Sheehy (NJ)
 - Fusion method changes % of hot mix and is not appropriate. Pulverizing – R&D does not support this method.
 - Motion (NJ/PA) to find Part 1 of New Jersey negative persuasive passed with recommendation of doing a round robin.
 - Motion (NJ/PA) to find Part 2 of New Jersey negative non-persuasive passed based upon the fact that results reflect total analysis of the sample.

- Eileen Sheehy was asked to take a look at Part 3 of the New Jersey negative and report back to the tech section.
 - Eileen Sheehy will check with Carl Anderson about using NIST samples regarding Part 4 of the New Jersey negative.
- TF 13E, PP 74-13, *Determination of Size and Roundness of Glass Beads Used in Traffic Markings by Means of Computerized Optical Method* (can the term “nominal” be removed)
Haleh Azari (AMRL)
 - No status report.
- TF 13G, *Specification for Traffic Paint* (SOM ballot - Fall 2013), Henry Lacinak (AASHTO)
 - Task Force 13G work has been completed. TF 13G has been closed.
- TF 13I, MAP 21 (Change in reauthorization), Greta Smith (AASHTO)
 - Bill Ahearn, chair asked to raise to higher level (SOM main). Approach Executive Committee to educate legislature to understand repercussions across board.
 - Table procedure.

6. New Business

- TS 4c Reconfirmation ballot: Reminder – Ballot closes on Feb 5, 2014
- Update on EC and Regional Vice Chairs:

SOM Chair:	Mostafa Jamshidi (NE DOR)	Moe.Jamshidi@nebraska.gov
SOM Vice Chair:	Georgene Geary (GA DOT)	ggeary@dot.ga.gov
Region 1:	Bill Ahearn (VTrans)	bill.ahearn@state.vt.us
Region 2:	James Williams (MS DOT)	JWilliams@mdot.ms.gov
Region 3:	Curt Turgeon (MN DOT)	curt.turgeon@state.mn.us
Region 4:	Cole Mullis (OR DOT)	cole.f.mullis@odot.state.or.us

7. Annual Meeting

Minneapolis, MN

July 27 – August 1, 2014

(Agenda and Details will be posted on AASHTO SOM website)

8. Adjourn