

SUBCOMMITTEE ON MATERIALS

2017 Annual Meeting-Phoenix, AZ

Monday, August 7, 2017

1:45 pm – 4:00 pm EST

**TECHNICAL SECTION 4c
 MARKINGS and COATINGS**

I. Call to Order and Opening Remarks

II. Roll Call

Voting Members:

Name	State	Present
Steve Ingram(Robert)	AL	
Phil Stolarski	CA	
Bob Lauzon (Vice Chair)	CT	
Rick Douds	GA	
Kelly Morse	IL	
Christopher Leibrock	KS	
Brandi Mitchell	KY	
Jason Davis	LA	
Vacant	MA	
Woody Hood	MD	
Matt Strizich	MT	
Denis Boisvert	NH	
Vacant	NJ	
Becca Lane	Ontario MOT	
Dave Kuniega, Chair	PA	
Danny Lane	TN	
Darren Hazlett	TX	
Scott Andrus	UT	
Bill Bailey	VA	

Non-Voting Members:

Name	Affiliation	Present
Evan Rothblatt	AASHTO	
Henry Lacinak	AASHTO	
Katheryn Malusky	AASHTO	
Jonathan Boardman	CT	

Anne Holt	Ontario MOT	
Grant Ridley	Ontario MOT	
Tim Ramirez	PA	
Maria Knake	AMRL	
Tracy Barnhart	AMRL	
Steven Lenker	AMRL	
Bob Lutz	AMRL	
Georgine Geary	GGfGA Eng.	

Friends:

Name	Affiliation	Present
Gene Carlson	3M Company	
Richard Baker	DBI Services	
Al Innis	Holcim Inc.	
Robert Dingess	Mercer	
Andy Anderson	Potters	
Paul Carlson	TTI	
Greg Freeman	Kwikbond	
David Entrekin	Future Labs	
Jason Schiro	Interplastic	
Jeff Miller	Treated Wood	

III. Approval of Technical Section Minutes

SOM TS 4c - Coatings, Paints, Preservatives, Bonding Agents, and Traffic Markings Standards

<i>AASHTO Designation No.</i>	<i>Title</i>
M 133-12	Preservatives and Pressure Treatment Processes for Timber
M 143-14	Sodium Chloride
M 144-14	Calcium Chloride
M 224-91 (2014)	Use of Protective Sealers for Portland Cement Concrete
M 233-86 (2014)	Boiled Linseed Oil Mixture for Treatment of Portland Cement Concrete
M 235M/M 235-13	Epoxy Resin Adhesives
M 237-96 (2014)	Epoxy Resin Adhesives for Bonding Traffic Markers to Hardened Portland Cement and Asphalt Concrete
M 247-13	Glass Beads Used in Pavement Markings
M 248-91 (2012)	Ready-Mixed White and Yellow Traffic Paints
M 249-12	White and Yellow Reflective Thermoplastic Striping Material (Solid Form)
M 300-03 (2012)	Inorganic Zinc-Rich Primer
R 31-09 (2014)	Evaluation of Protective Coating Systems for Structural Steel
T 143-13	Sampling and Testing Calcium Chloride for Roads and Structural Applications
T 237-05 (2014)	Testing Epoxy Resin Adhesive
T 250-05 (2014)	Thermoplastic Traffic Line Material
T 333-07 (2012)	Linear Coefficient of Shrinkage on Cure of Adhesive Systems
T 337-09 (2014)	Non-Instrumental Determination of Metallic Zinc in Zinc-Rich Primers
T 338-09 (2014)	Analysis of Structural Steel Coatings for Hindered Amine Light Stabilizer (HALS)
T 339-10	Analysis of Structural Steel Coatings for Isocyanate Content
T 346-13	Glass Beads Used in Pavement Markings
MP 24-14	Waterborne White and Yellow Traffic Paints

PP 73-13	Quality Assurance, Job Site Quality Control, and Reapplication of Protective Sealers for Portland Cement Concrete
PP 74-13	Determination of Size and Roundness of Glass Beads Used in Traffic Markings by Means of Computerized Optical Method
PP 79-14	High-Friction Surface Treatment for Asphalt and Concrete Pavements
TP 84-11 (2014)	Evaluation of Adhesive Anchors in Concrete Under Sustained Loading Conditions
TP 96-13	Protective Sealers for Portland Cement Concrete
TP 106-13	Determination of Heavy Metal Content of Glass Beads Using X-Ray Fluorescence (XRF)
TP 111-14	Measuring Retroreflectivity of Pavement Marking Materials Using a Mobile Retroreflectivity Unit

IV. Old Business

A. SOM Ballot Items

B. TS ballots

C. SOM_TS 4c

- i. Full Standards Requiring Reconfirmation
 1. **M 143-14** Sodium Chloride
 2. **M 144-14** Calcium Chloride
- ii. Full Standards Requiring Revision
 1. **M235M/M235-13** Epoxy resin Adhesives
 2. **M247-13** Glass Beads Used in Pavement Markings
- iii. Provisional Standards Requiring 2 yr. Reconfirmation
 1. **MP 024-15** (2016) Waterborne White and Yellow Traffic paints
 2. **TP 111-14** (2016) Measuring Retroreflectivity of Pavement Markings Using a Mobile Retroreflectivity Unit
- iv. Provisional Standards Requiring 1 yr. Extension
 1. **PP 073-13** (2015) Quality Assurance, Job Site Quality Control and Reapplication of Protective Sealers for Portland Cement Concrete
 2. **PP 74-13** (2015) Determination of Size and Roundness of Glass Beads Used in Traffic Marking by Means of Computerized Optical Method
- v. Provisional Standards Requiring Revision
 1. **PP079-14** (2016) High-Friction Surface Treatment for Asphalt and Concrete Pavements
 2. **TP 096-13** (2015) Protective Sealers for Portland Cement Concrete
- vi. Provisional Standards - Adopt or Drop
 1. **TP 084-11** (2017) Evaluation of Adhesive Anchors in Concrete under Sustained Loading Conditions

D. Task Force Reports

- i. TF 11-C develop an unambiguous determination of transparent, clean, colorless as informed by NCHRP Report 743 (Rob Dingess, Gene Carlson, Tony Wade, Jim Swisher, Dave Kuniega PA and Jerry McMahan- VT) affecting M247 – 13
- ii. TR 11-D – address wet weather performance and FAA color requirements CEI table requirements affecting M249-12 (Bob Lauzon CT, Rob Dingess, Paul Carlson) - Sunset at mid-year
- iii. TF 13 A elimination of benzene dissolution in M235-13
- iv. TF 14- 1 evaluate pavement marking friction tests and report back to TS on efficacy and recommended practice for friction measurement
- v. TF 15-A TP 106 – result of negative on P & B; Combined with TF 13E for development/use of NIST reference standards. (Andrus, CT and VT)
- vi. TF 15-C Standard specification on green bike lanes (friction and color box) (TN, KY, Freeman, Baker, Stenko)
- vii. TF 16-B Proposed changes to NTPEP Structural Steel Workplan regarding color change testing for AASHTO R31 (David Kuniega(PA), Jason Davis (LA), Brandy Mitchell (KY), Derrick Castle (Sherwin Williams))

V. New Business

- A. Research Proposals
How Thermal Compatibility Affects Polymer –Aggregate Systems
- B. AASHTO Issues
- C. NCHRP Issues
- D. Correspondence, calls, meetings/ Presentation by Industry
- E. Proposed New Standards
- F. Proposed New Task Forces
- G. Standards Requiring Reconfirmation (2017)
- H. SOM Ballot Items (including any ASTM changes)
- I. Stewards for standards

VI. Open Discussion

VII. Adjourn