

SUBCOMMITTEE ON MATERIALS

Mid-Year Web Meeting
Wednesday, February 25, 2015
2:00 pm – 4:00 pm EST

**TECHNICAL SECTION 4e
JOINT MATERIALS, WOOD, BRIDGE BEARINGS, GEOSYNTHETICS AND INSULATION BOARD**

I. Call to Order and Opening Remarks

II. Roll Call

Voting Members					
Ramirez, Timothy	Pennsylvania – Chair	X	Strizich, Matt	Montana	
Benson, Michael	Arkansas – V. Chair		Burnett, Robert A.	New York	X
Voth, Michael D	FHWA		Peoples, Christopher A.	North Carolina	X
Douds, Richard	Georgia		Seiter, Scott	Oklahoma	
Hood, Woodrow L.	Maryland	X	Lane, Danny L.	Tennessee	X
Fung, Clement W.	Massachusetts	X	Williams, Kurt	Washington State	X
Williams, III, James A.	Mississippi		Krebs, Steven W.	Wisconsin	
Trautman, Brett Steven	Missouri	X			
Non-Voting Members					
Lacinak, Henry	AASHTO	X	Lenker, Steven E.	AMRL	
Rothblatt, Evan	AASHTO	X	Allen, Tony M	Washington State	X
Malusky, Katheryn	AASHTO	X	Passus, Lucie	Industrial Fabrics Assoc. Interntl. (Friend)	
Knake, Maria	AMRL				

- Dave Jones-WA
- Jason Davis-LA
- George Donaldson-WV
- Chris Abadie-LA
- Bill Bailey-VA

III. Approval of Technical Section Minutes - SOM TS4e Minutes July 30, 2015

Request discussion and approval of minutes from July 30, 2014 meeting in Minneapolis, Minnesota. [Motion made by NY, seconded by NC. All members were in favor of approving the minutes.](#)

IV. Old Business

- A. SOM Ballot Items
 - Items 95 to 98 (See Attachment for all Comments)

Item 95 (Concurrent ballot item to adopt a new provisional standard specification MP 4e-XX, Performance-Graded Bituminous Sealants as presented on pages 3 and 19-26 of the 2014 TS-4e Minutes) 46 Affirmative, 0 Negative, 7 No Vote, 2 Affirmatives with comment.

First comment related to the direction tension device. This test is an important one for the crack sealant.

VA made a comment about making this test similar with temperature and they will discuss this with the Consortium group. Their comment is editorial and these changes can be made.

Item 96 (Concurrent ballot item to adopt proposed revisions to M 288, Geotextile Specification for Highway Applications in Sections 2, 4, 10 and the Appendix related to Paving Fabric as presented on pages 3 and 27-34 of the 2014 TS-4e Minutes.) 46 Affirmatives, 0 Negatives, 7 No Votes, 7 Affirmatives with comment.

-Include fiberglass based paving products.

The proposed changes were drafted by TXDOT. These changes passed. Comments received were related to temperature items in the Appendix (melt index). The other main comment was related to the confusion when other fibers are specified. Other fibers were not defined and what the other fibers will be. These comments will be addressed in the revised standard.

Item 97 (Concurrent ballot item to adopt a new provisional standard specification MP 4e-XX, Cotton Duck Fabric Bridge Bearings as presented on pages 4 and 35-39 of the 2014TS-4e Minutes.) 46 Affirmative, 0 Negative, 7 No Votes, 4 Affirmatives with comment.

This standard was drafted by AR. This ballot passed. The comments are editorial and will be incorporated in the revised version.

Item 98 (Concurrent ballot item to revise and adopt as full standard PP 66, Determination of Long-Term Strength for Geosynthetic Reinforcement as presented on pages 5, 6, and 40-89 of the 2014 TS-4e Minutes.) 45 Affirmative, 1 Negative, 7 No Votes, 4 Affirmatives with comment, and 1 Non-Voting comment.

<p>Rhode Island Department of Transportation (Mark E Felag) (mark.felag@dot.ri.gov)</p>	<p>Introduction, 3.20, 7. and other areas - The term 'quality verification (QV)' is not a standard term that I have ever seen used nor recognized by the northeast certification program. I would suggest deleting the entire sentence since almost all of our standards can be used in some aspect of all or parts of a Quality Assurance program. It would be up to the user to determine how the standard is to be applied to their program.</p> <p>In defining it in 3.20 I understand what you are trying to define but using the word 'verification' has other meanings. In other words going from 'assurance' to 'verification' does not clarify it. Possibly instead of a deletion of it the word 'checking' may work. 'product checking - used to check that the product or product line has not changed since.....'.</p> <p>Section 6.5.2.4 - The word 'exhumation' means digging out of something buried, especially a body. Should this be revised?</p>	<p>Negative</p>
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This version of the standard was drafted by WA. Put verification in lowercase except for the Title of Verification in the verification section. There won't be "quality verification" in the next version. This will resolve RI's negative.

Other comments were made and are editorial in nature. Tony Allen (WA) proposes adding a definitely saying the original tensile strength be exposed environmental conditions. Tony will send the changes to Tim Ramirez within the next few days. Tim will send the word version of the ballot item to Tony. Tony will include the modifications in this document. Tony would like the permanent standard designation be available this fall so it can be included in the REGEO NTPEP work plan, which will be balloted next fall.

B. TS letter ballots

Reconfirmation Ballot – Technical Section 4e Reconfirmation Ballot for the following 3 full standards (See Attachment for all comments):

M 213-01 (2010)

13 Affirmative, 0 Negative, 2 No Vote, 1 Affirmative with Comment

M 297-10

13 Affirmative, 0 Negative, 2 No Vote, No Comments

T 042-10

13 Affirmative, 0 Negative, 2 No Vote, 1 Affirmative with Comment

These standards will have a new reconfirmation date of 2015.

C. Task Force Reports

Joint Subcommittee on Materials - Subcommittee on Bridges and Structures Task Force. The joint task force members from SOM TS-4e included volunteers Michael Benson (AR), Bob Burnett (NY), and Tim Ramirez (PA). Michael Benson (AR) is the lead. The AASHTO SCOBS T-2 Bearings and Expansion Devices Technical Committee Chair is Keith Fulton, Wyoming DOT. This joint committee to work on Task Forces 06-01 and 06-02 items.

Due a change with the chairman, communication needs to be done to make sure these groups continue to work together.

Task Force 06-01 – M 251 Proper Testing Frequency & Realistic English Units. The task force members included volunteers Michael Benson (AR), James Williams (MS), Bob Burnett (NY) and Bridge Bearing Manufacturers Association. Michael Benson (AR) is the lead.

There are some things going on with the NTPEP program regarding the testing of frequency.

Task Force 06-02 – M 251 Materials specifications for fabric-reinforced (cotton duck) elastomeric bridge bearing pads. The task force members include Michael Benson (AR), Bob Burnett (NY), and Reid Kaiser (NV). Kevin Riechers (IL) provided information on cotton duck pads (CDP) from the AASHTO LRFD Bridge Construction Specifications, Section 14.

This standard will be approved as a provisional standard. This task force will be closed.

Task Force 06-03 – Development of an AASHTO Standard for Edge Drains. The task force members included volunteers James Williams (MS), Bob Burnett (NY), and Tim Ramirez (PA).

ASTM D7001 was being offered up to develop an AASHTO standard from this ASTM method. NY indicated there has not been a lot of enthusiasm from the states or industries to develop this standard. PA is going to send out a survey to see where states weigh in on this.

Task Force 07-01 – M 288 Develop Standards for Geogrids.The task force members included James Williams (MS), Bob Burnett (NY), and Tim Ramirez (PA).

PA drafted a specification using the NTPEP data. NY sent PA an NHI report that included specifications. These specifications will be reviewed by this task force. A consensus will then need to be made of how to include geogrids in AASHTO M288. Tony Allen (WA) will be added to this task force. Industry is wondering where this stands. Index type tests need to be included in the standard. Test track performance evaluations have also been mentioned. Both a performance level and index level test would need to be included in the specification. For the walls and slopes, this will be more straightforward. NY stated this is a big priority for the people in this field. He suggests we start out small. PA will share the information he has with the other task force members. PA has NC's specification for pavement applications. Tony Allen stated there are two uses in the pavement area-put the geogrid in the base itself and using the geogrid at the bottom of the base. We need to be clear of what we are trying to address in the specification. It would be mindful to out together a tech section ballot for this item so it can be reviewed by the committee members in August.

Task Force 07-02 – M 288 Consider Development of Mean Threshold Values for Geotextiles. The task force members included James Williams (MS), Bob Burnett (NY), and Tim Ramirez (PA).

Tony Allen will be added to this task force. MARV needs to be clarified in M288. This related to the quality control process of each GTX manufacturer. Tony will work with industry to come up with a definition for MARV.

Task Force 10-1 – Evaluate Possible Revisions to TP 85, TP 86, TP 87, TP 88, TP 89 and TP 90 and Develop Standard for Crack Sealant Specification. The task force members included Bill Bailey (VA) and James Williams (MS).

Bill Bailey provided a file for revisions to TP90. These revisions will be sent out with the next tech section ballot. Tim did not receive any other revisions for the other standards.

PP 66 Task Force. Purpose to review PP 66 and pare down or reduce where feasible. The PP 66 TF consists of volunteers from TX (lead), NY, WA, PA and Sam Allen. Darren Hazlett (TX) volunteered Mark McDaniel (TX) to assist.

This task force will be closed. The negative has been addressed and it will be adopted as a full standard.

V. New Business

- A. Research Proposals – Tim Ramirez is the TS-4e Research Liaison
Tim Ramirez is the current liaison. Tim is not aware of the current research. He will see if there is any research for the meeting in August. Bob Burnett will keep this tech section aware of any geosynthetics research.
- B. AMRL/CCRL Issues
None reported.
- C. NCHRP Issues
TS 4e has a proposal, but didn't make the priority list. This came from KY. This proposal will be reviewed during the next annual meeting. (bridge bearings)
- D. Correspondence, calls, meetings/ Presentation by Industry
None reported.
- E. Proposed New Standards
VA sent a new standard for crack sealant. VA would like to see this standard go out for tech section ballot.

- F. Proposed New Task Forces
None
- G. Standards Requiring Reconfirmation – TP 90 was missed in the 2014 TS-4e Annual Meeting voice vote. Reconfirm by voice vote. [Motion to reconfirm TP90, motion made by NY, seconded by TN. All members were in favor.](#)
- H. SOM Ballot Items (including any ASTM changes)
[There will be a couple SOM ballots that will be able to be proposed in August.](#)
- I. Pending TS-4e Letter Ballots
 - TP 90 – Proposed Revisions from Crack Consortium Research Group via Bill Bailey
 - M 288 – Proposed Revisions to Section 9 – Silt Fence
 - M 288 – Proposed Revisions to clarify MARV language
 - M 288 – Proposed Revision to add Class 1+ Very High Survivability Subgrade Enhancement[The geogrid base reinforcement will be added to this list.](#)

VI. Open Discussion

[Reminder to everyone- 2015 SOM meeting will be August 2nd-7th in Pittsburgh.](#)

VII. Adjourn