

## **SUBCOMMITTEE ON MATERIALS**

**Mid-Year Web Meeting**

**Tuesday January 19, 2016**

**2:00 pm – 4:00 pm EST**

### **TECHNICAL SECTION 4e**

#### **JOINT MATERIALS, WOOD, BRIDGE BEARINGS, GEOSYNTHETICS, AND INSULATING BOARD MINUTES**

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

Chair: Tim Ramirez (PA) opened meeting at scheduled time. See Appendix A for Meeting Agenda.

#### **II. Roll Call**

TS-4e Membership List.

Appendix B shows the complete attendance list for the TS-4e Mid-Year Web Meeting.

#### **III. Approval of Technical Section Minutes**

Tuesday, August 5, 2015 Meeting Minutes.

- Motion made by Danny Lane (TN), seconded by Bob Burnett (NY). All were in favor of approving the minutes. Meeting minutes were approved.

#### **IV. Old Business**

##### **A. SOM Ballot Items**

- Rolling Ballot 2, Item 8: Concurrent ballot item to revise TP 90, Measuring Interfacial Fracture Energy of Hot-Poured Crack Sealant Using a Blister Test. See page 4 of the 2015 minutes for discussion and motion and Appendix D-1 (pages 12-27) of the 2015 minutes for the proposed revised provisional standard. SOM: Affirmative 45 of 51, Negative 0 of 51, No Vote 6 of 51. Tech Section: Affirmative 11 of 14, Negative 0 of 14, No Vote 2 of 14. Received 2/3 vote by both the SOM and Tech Section; therefore, item passes. Comments from Michigan, Missouri, Oklahoma, Oregon, and Virginia.
  - There were some issues with an equation. There were some other suggested editorials. The Chair will handle these comments editorially and then send the revised standard to the AASHTO publications dept. MI: Had a few technical questions about Figure 18 being different than text. They are asking for clarification on adhesion. The Chair will talk to Bill Bailey about this. The editorial revisions will be completed by the Chair next week.
- Rolling Ballot 3, Items: Extension Ballots for TP 85, TP 86, TP 87, TP 88, TP 89, and TP 90. Status is unknown.
  - These standards will need to be reviewed at the end of 2016. An extension ballot or adoption to full standard ballot will be needed in 2016. These haven't been adopted as full standards because the performance graded joint sealant specification was just adopted as a provisional standard in 2015.

##### **B. TS letter ballot – SOM\_TS4E-15-03 Reconfirmation Ballot Rolling Ballot 2 (Due date 11/15/2015)**

Reconfirmation – All items passed (14-0-1) without comment

- Item 1 M 33-99 (2012)
- Item 2 M 153-06 (2011)

- Item 3 M 168-07 (2010)
- Item 4 M 230-07 (2012)
- Item 5 M 251-06 (2011)

#### C. Task Force Reports

- i. Joint SOM TS-4e and SCOBS T-2 Task Force.
  - No Report.
- ii. Task Force 2006-01. M 251 Proper Testing Frequency & Realistic English Units.
  - Two issues need to be resolved with this standard. The Chair will try to get something out for a tech section vote soon.
- iii. Task Force 2006-03. Development of an AASHTO Standard for Edge Drains.
  - A survey was completed. The Chair needs to review these results to see if a standard is needed.
- iv. Task Force 2010-01. Evaluate Possible Revisions to TP 85, TP 86, TP 87, TP 88, TP 89 and TP 90 and Develop Standard for Crack Sealant Specification. Consider adopting as full standards in 2016 SOM Ballot.
  - Bob Burnett (NY) recommended putting them up as full standards if no comments were received.
- v. Task Force 2015-01. M 288 Revisions. December 18, 2015 email from Bob Burnett (NY) providing proposed revisions from GMA for a higher strength class geotextile to M 288 (proposed Class 1+ or 1A). Bob also indicated plans to develop a ballot ready proposed revisions to M 288 including the higher strength class, silt fence language, and geogrid section proposed by Tony Allen (WA).
  - Bob Burnett has a document that includes changes from Tony to include geogrids to this document. Silt fence language is also included in the document. Fred Chuck also provided verbiage for a higher strength geotextile. Bob can distribute this document and then once comments are received, it can be sent out for a tech section ballot. Tony mentioned they do not have agreement with industry on the geogrid language. More dialog needs to be done with industry.
  - Some states want a product mark so states know what the actual product is. Bob Burnett believes a code should be added for this. The Chair believes the current markings in the NTPEP work plan be adopted into AASHTO M 288.
  - Fred Chuck (TenCate) recommended the marking requirements be the same for NTPEP and AASHTO SOM TS 4e.

#### V. New Business

- A. Research Proposals - None
  - Bob Burnett put together a proposal (cost effectiveness of geosynthetic materials used as separation) and put it through SOM last year. It went in as the #2 NCHRP 20-7 proposal to the SCOH but only the #1 NCHRP 20-07 proposal was funded. Bob would like to recycle this proposal as either a synthesis or a 20-7. The due date for this is February 15<sup>th</sup> to Evan and Jack. This group still supports this proposal.
- B. AASHTO Items/Issues - None
- C. NCHRP Issues - None
- D. Correspondence, calls, meetings/ Presentation by Industry
  - Bob Burnett reviewed the presentations given at his Geosynthetics TRB Committee Meeting. They have no impact to TS-4e at this time.
- E. Proposed New Standards - None
- F. Proposed New Task Forces - None
- G. Standards Requiring Reconfirmation – TS-4e Status of Standards (Appendix C). The following standards require reconfirmation or extension in 2016.
  - i. M 33 – Preformed Expansion Joint Filler for Concrete (Bituminous Type)
  - ii. M 168 – Wood Products
  - iii. M 230 – Expanded and Extruded Foam Board (Polystyrene)
    - The three standards (i. to iii.) above were taken care of in 2015.
  - iv. TP 85 – Apparent Viscosity of Hot-Poured Bituminous Crack Sealant Using Brookfield Rotational Viscometer RV Series Instrument. After 6<sup>th</sup> Year Extension Ballot.

- v. TP 86 – Accelerated Aging of Bituminous Sealants and Fillers Using a Vacuum Oven. After 6<sup>th</sup> Year Extension Ballot.
- vi. TP 87 – Measuring Low-Temperature Flexural Creep Stiffness of Bituminous Sealants and Fillers by Bending Beam Rheometer (BBR). After 6<sup>th</sup> Year Extension Ballot.
- vii. TP 88 – Evaluation of the Low-Temperature Tensile Property of Bituminous Sealants by Direct Tension Test. After 6<sup>th</sup> Year Extension Ballot.
- viii. TP 89 – Measuring Adhesion of Hot-Poured Crack Sealant Using Direct Adhesion Tester. After 6<sup>th</sup> Year Extension Ballot.
- ix. TP 90 – Measuring Interfacial Fracture Energy of Hot-Poured Crack Sealant Using a Blister Test. After 6<sup>th</sup> Year Extension Ballot.
  - The standards above (iv. To ix.) will need an extension at the end of 2016.

H. SOM Ballot Items (including any ASTM changes)

**VI. Open Discussion**

Bob Burnett mentioned that a NCHRP project (geosynthetics in pavements) finishing up soon could possibly be a presentation for annual SOM meeting in August. This is NCHRP 01-50, Quantifying the Influence of Geosynthetics on Pavement Performance and has a scheduled completion date of 5/31/2016.

**VII. Adjourn**

Chair adjourned the meeting by the scheduled time.

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### TECHNICAL SECTION 4e

### JOINT MATERIALS, WOOD, BRIDGE BEARINGS, GEOSYNTHETICS, AND INSULATING BOARD AGENDA

- I. **Call to Order and Opening Remarks**  
Chair: Tim Ramirez (PA)
- II. **Roll Call**  
TS-4e Membership List (Attachment 1).
- III. **Approval of Technical Section Minutes**  
Tuesday, August 5, 2015 Meeting Minutes (Attachment 2).
- IV. **Old Business**
  - A. SOM Ballot Items
    - i. Rolling Ballot 2, Item 8: Concurrent ballot item to revise TP 90, Measuring Interfacial Fracture Energy of Hot-Poured Crack Sealant Using a Blister Test. See page 4 of the 2015 minutes for discussion and motion and Appendix D-1 (pages 12-27) of the 2015 minutes for the proposed revised provisional standard. SOM: Affirmative 45 of 51, Negative 0 of 51, No Vote 6 of 51. Tech Section: Affirmative 11 of 14, Negative 0 of 14, No Vote 2 of 14. Received 2/3 vote by both the SOM and Tech Section; therefore, item passes. Comments from Michigan, Missouri, Oklahoma, Oregon, and Virginia.
    - ii. Rolling Ballot 3, Items: Extension Ballots for TP 85, TP 86, TP 87, TP 88, TP 89, and TP 90. Status is unknown.
  - B. TS letter ballots  
None.
  - C. Task Force Reports
    - i. Joint SOM TS-4e and SCOBs T-2 Task Force. No report.
    - ii. Task Force 2006-01. M 251 Proper Testing Frequency & Realistic English Units.
    - iii. Task Force 2006-03. Development of an AASHTO Standard for Edge Drains.
    - iv. Task Force 2010-01. Evaluate Possible Revisions to TP 85, TP 86, TP 87, TP 88, TP 89 and TP 90 and Develop Standard for Crack Sealant Specification. Consider adopting as full standards in 2016 SOM Ballot.
    - v. Task Force 2015-01. M 288 Revisions. December 18, 2015 email from Bob Burnett (NY) providing proposed revisions from GMA for a higher strength class geotextile to M 288 (proposed Class 1+ or 1A). Bob also indicated plans to develop a ballot ready proposed revisions to M 288 including the higher strength class, silt fence language, and geogrid section proposed by Tony Allen (WA).
- V. **New Business**
  - A. Research Proposals - None
  - B. AASHTO Items/Issues - None
  - C. NCHRP Issues - None
  - D. Correspondence, calls, meetings/ Presentation by Industry - None
  - E. Proposed New Standards - None
  - F. Proposed New Task Forces

## Appendix A

- G. Standards Requiring Reconfirmation – TS-4e Status of Standards (Attachment 3). The following standards require reconfirmation or extension in 2016.
- i. M 33 – Preformed Expansion Joint Filler for Concrete (Bituminous Type)
  - ii. M 168 – Wood Products
  - iii. M 230 – Expanded and Extruded Foam Board (Polystyrene)
  - iv. TP 85 – Apparent Viscosity of Hot-Poured Bituminous Crack Sealant Using Brookfield Rotational Viscometer RV Series Instrument. After 6<sup>th</sup> Year Extension Ballot.
  - v. TP 86 – Accelerated Aging of Bituminous Sealants and Fillers Using a Vacuum Oven. After 6<sup>th</sup> Year Extension Ballot.
  - vi. TP 87 – Measuring Low-Temperature Flexural Creep Stiffness of Bituminous Sealants and Fillers by Bending Beam Rheometer (BBR). After 6<sup>th</sup> Year Extension Ballot.
  - vii. TP 88 – Evaluation of the Low-Temperature Tensile Property of Bituminous Sealants by Direct Tension Test. After 6<sup>th</sup> Year Extension Ballot.
  - viii. TP 89 – Measuring Adhesion of Hot-Poured Crack Sealant Using Direct Adhesion Tester. After 6<sup>th</sup> Year Extension Ballot.
  - ix. TP 90 – Measuring Interfacial Fracture Energy of Hot-Poured Crack Sealant Using a Blister Test. After 6<sup>th</sup> Year Extension Ballot.
- H. SOM Ballot Items (including any ASTM changes)

### VI. Open Discussion

### VII. Adjourn

## Attendee Report:

## SOM TS 4e - 2016 Mid-Year Web Meeting (Jan 19, 2016)

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TS 4e AASHTO Standard (Published 2015)	1st Published Date of Provisional	Reconfirm Required	Referenced ASTM Standard	Current ASTM Standard	Standard Title	Assigned to:
M 33-99 (2012)		2016	D994-98 (2010)	D994/D994M-11	Preformed Expansion Joint Filler for Concrete (Bituminous Type)	MT
M 153-06 (2011)		2015	D1752-04a	D1752-04a (2013)	Preformed Sponge Rubber and Cork Expansion Joint Fillers for Concrete Paving and Structural Construction	AR
M 168-07 (2012)		2016			Wood Products	MT
M 213-01 (2015)		2019	D1751-04 (2008)	D1751-04 (2013)	Preformed Expansion Joint Fillers for Concrete Paving and Structural Construction (Nonextruding and Resilient Bituminous Types)	MO
M 230-07 (2012)		2016			Expanded and Extruded Foam Board (Polystyrene)	NY
M 251-06 (2011)		2015			Plain and Laminated Elastomeric Bridge Bearings	NY
M 288-15		2019			Geotextile Specification for Highway Applications	NY
M 297-10 (2015)		2019	D3542-08	D3542-08 (2013)	Preformed Polychloroprene Elastomeric Joint Seals for Bridges	PA
R 50-09 (2013)		2017			Geosynthetic Reinforcement of the Aggregate Base Course of Flexible Pavement Structures	NY
R 69-15		2019			Determination of Long-Term Strength for Geosynthetic Reinforcement	WA
T 42-10 (2015)		2019	D545-08	D545-14	Preformed Expansion Joint Filler for Concrete Construction	PA
MP 25-15	2015	2019			Performance-Graded Bituminous Sealants	PA
MP 26-15	2015	2019			Cotton Duck Fabric Bridge Bearings	AR
TP 85-10 (2015)	2010	2016			Apparent Viscosity of Hot-Poured Bituminous Crack Sealant Using Brookfield Rotational Viscometer RV Series Instrument	PA
TP 86-10 (2015)	2010	2016			Accelerated Aging of Bituminous Sealants and Fillers Using a Vacuum Oven	MS
TP 87-10 (2015)	2010	2016			Measuring Low-Temperature Flexural Creep Stiffness of Bituminous Sealants and Fillers by Bending Beam Rheometer (BBR)	MS
TP 88-10 (2015)	2010	2016			Evaluation of the Low-Temperature Tensile Property of Bituminous Sealants by Direct Tension Test	WI
TP 89-10 (2015)	2010	2016			Measuring Adhesion of Hot-Poured Crack Sealant Using Direct Adhesion Tester	WI
TP 90-10 (2015)	2010	2016			Measuring Interfacial Fracture Energy of Hot-Poured Crack Sealant Using a Blister Test	GA