

## COMMITTEE ON MATERIALS AND PAVEMENTS

2017 Mid-Year Webinar Meeting

November 16, 2017

TECHNICAL SECTION 5c  
Quality and Environment

Curt Turgeon (MN) Chair and Sejal Barot (MD) Vice Chair

- I. **Call to Order and Opening Remarks** -Curt Turgeon called the meeting to order at 1 pm
- II. **Roll Call** – see attendance list attached
- III. **Approval of Technical Section Meeting Minutes** Curt asked for any negatives to the prior TS minutes, hearing none the minutes were approved by the TS.
- IV. **Old Business**

COMP / TS Ballot – the Chair discussed the ballot items:

- R16 was discussed at length at the AM in Phoenix, it has been approved for deletion.
- R25 was revised by Dennis Dvorak based on comments from the Annual Meeting. The Chair described the contents of R25 and noted that the ballot passed but Pennsylvania had a comment that the Chair wanted to discuss with the TS. Several attendees (Maine, Missouri) specifically noted that they felt it would also be valuable to add binder certification to R25. It was decided that asphalt binder certification should be added to R25 (may require a new appendix also) with the goal of putting the changes on a TS ballot this Spring. Chair will lead this effort.
- Chair noted there were no comments or negatives on PP80 and PP81 balloted changes
- Chair noted that R18 was transferred to TS 5c this past year from the Executive Committee. It was felt that the standard was better served under 5c. Changes passed and no comments.
- Chair noted that a standard number will be assigned (by AASHTO Publications) to the new standard on “Accreditation Bodies...” and it will be published as there were no negatives. Chair noted that the only accreditation body that appears to meet this standard currently is AASHTO res:ource.

Ballot Item	COMP		Tech Section	
	Positives	Negatives /No Vote	Positives	Negatives /No Vote
SOM Ballot item to delete R16. Standard contains numerous references to NIOSH and OSHA which may not be up to date, nor do we control if/when future changes may occur. Users should directly reference NIOSH or OSHA	44	0/7	22	0/5
SOM Ballot Item to revise R25. This Standard contains a lot of non-mandatory information. Negative TS ballots have been addressed by clearing up misinterpretation by adding notes. Pages 5-21.  Comment – replace ‘asphalt concrete’ with asphalt mixture. DONE  Comment – add a couple of references DONE  Comment (Ramirez, PA) – a section on certification of binder techs, Chair agrees but seemed to be beyond an editorial change. To be considered.	44	0/7	22	0/5
SOM Ballot Item to revise PP80. Updated and editorial TS Comments	44	0/7	22	0/5

addressed. Pages 22-51.				
SOM Ballot Item to revise PP81. Updated and editorial TS Comments addressed. Pages 52-108.	44	0/7	22	0/5
Concurrent Ballot Item to revise R18. Changes suggested by WAQTC*. Page 3, 109-146.	44	0/7	22	0/5
Concurrent ballot item to adopt "Accreditation Bodies Operating in the Fields of Construction Materials Testing and Inspection" as a full standard. Once approved the standard moves to 5c.	44	0/7	22	0/5

## V. New Business (Tech Section ballot)

The Chair noted that the three proposed new standards were also discussed at the AM.

A) WAQTC noted that many standards refer to constant mass, but it is not defined, so they developed a standard to determine constant mass. B) The File format standard was introduced at the AM by a presentation by George Chang. The format is similar to Proval for IRI. C) The last standard on GPR for rolling density was developed through the SHRP R06 project. The Chair will be sending these new standards, along with the R25 changes, out to TS ballot in the Spring.

- A. New Standard from WAQTC, PP-XX Determining Constant Mass
- B. New Standard PP -XX File Format of Intelligent Construction Data
- C. New Standard PP –XX Ground Penetrating Radar for Asphalt Dielectric Variability Assessment

## VI. Open Discussion

### A. FHWA Sustainable Pavements ETG

- The Chair provided some background on the ETG, noting they have been meeting for about 7 years, and he has been involved just recently. The Chair explained they have been working on Product Category Rules for pavement materials. The PCR lays out how to develop an Environmental Product Declaration – “nutrition” labels for a standard unit of material (i.e. GHG/ ton asphalt mix at plant or CO2/ton). These are in heavy use in LEED certification and the concrete industry has this website where they maintain EPDs: <https://www.nrmca.org/sustainability/EPDProgram/#EPDWebinar>
- Industries create PCRs (NRMCA, MAPA); companies create EPDs per mix at each plant. The future is coming where Projects will need to consider these EPDs and add impacts of moving materials from plants to jobsite to fully capture the environmental impacts. At the last ETG meeting there was discussion on who becomes the overseer of these PCR and EPD documents for the highway industry, and ‘How does AASHTO fit into all this?’.
- Virginia asked about the status/future of potential regulations regarding this process. The Chair noted that currently there is no mandate on the horizon, but he has heard of legislators asking some States what they are doing in this area. It was recognized by all that this could be a highly contentious issue due to the competitive nature of the industry. The Chair noted that both asphalt and concrete industry representatives are represented on the FHWA ETG.
- Florida noted that they recently had the opportunity to be a part of a panel meeting on NCHRP 10-91A on Sustainable Highway Construction Practices and that it is an issue that is growing, and enforcement could potentially be in the future.
- The AASHTO Environment and Sustainability Committee was suggested as an avenue to request some information or direction. It was suggested and agreed that it would be good to have someone share what is going on in the sustainability area to all AASHTO Committees at a high level, since it is not just a pavement or materials issue alone.
- Shannon Eggleston, AASHTO liaison for the Environment and Sustainability Committee will be contacted to be made aware of TS 5c’s request and the PCR/EPD oversight question.

## VII. Meeting Adjourned at 1:30 pm

Tech Section 5c

November 16, 2017 Mid-Year Meeting

Attendees

Chair, Curt Turgeon (Minnesota)

Proxies for Kurt Williams (Washington State)

Kevin Burns (WA)

Randy Mawdsley (WA)

Brett Trautman (Missouri)

Rick Bradbury (Maine)

Andy Babish (Virginia)

John F. Staton (Michigan)

Denis M. Boisvert (New Hampshire)

Brian J. Johnson (AASHTO re:source)

Clark S. Morrison (North Carolina)

Brian A. Pfeifer (Illinois)

Brian Egan (Tennessee)

Heather Hall (Tennessee)

Mike Doran (Tennessee)

Jason Mellons (Tennessee)

Timothy J. Ruelke (Florida)

J.T. Rabun(Georgia)

F. Steven Heiser (New York)

Greta Smith (AASHTO consultant)

Georgene Geary (AASHTO consultant)

Evan Rothblatt (AASHTO)