



COMMITTEE ON MATERIALS & PAVEMENTS

2018 Annual Meeting – Cincinnati, OH

Wednesday August 8, 2018

8:00 – 10:00 AM EST

TECHNICAL SUBCOMMITTEE 1c

Aggregates

Minutes

Items approved by the TS for Committee and or Technical Subcommittee Ballot:		
Standard Designation	Page Numbers/Section Titles for Proposed Changes in Minutes	Technical Subcommittee and/or Committee?
T27	Changes recommended by WAQTC. See Item V, I COMP Ballot Items	COMP
New Task Forces Formed:		
Task Force Name	Summary of Task	Names of TF Members
None		
Other Action Items:		
Several Reconfirmations		

I. Call to Order and Opening Remarks

A. Brief summary of activities (*to ensure all attendees up to speed*)

The chair briefly welcomed members and visitors. The chair and vice chair are both new to their roles.

II. Roll Call

First Name	Last Name	Company	Member Type	Present
Donald	Streeter	New York State Department of Transportation	Voting	X
Jim	Trepanier	Illinois Department of Transportation	Voting	X
Michael	Benson	Arkansas Department of Transportation	Voting	X
Mickey	Cronin	Ohio Department of Transportation	Voting	X
Richard	Barezinsky	Kansas Department of Transportation	Voting	X
Robert	Lauzon	Connecticut Department of Transportation	Voting	X
Magdy	Beshara	Saskatchewan Ministry of Highways and Infrastructure	Voting	
Michael	Doran	Tennessee Department of Transportation	Voting	X
Becca	Lane	Ontario Ministry Of Transportation	Voting	X
Sejal	Barot	Maryland Department of Transportation	Voting	X
Darin	Tedford	Nevada Department of Transportation	Voting	X
Charles	Babish	Virginia Department of Transportation	Voting	X



Mark	Felag	Rhode Island Department of Transportation	Voting	X
Michael	San Angelo	Alaska Department of Transportation and Public Facilities	Voting	X
Mike	Santi	Idaho Transportation Department	Voting	X
Peter	Wu	Georgia Department of Transportation	Voting	X
Wasi	Khan	District of Columbia Department of Transportation	Voting	X
Steven	Ingram	Alabama Department of Transportation	Voting	X
Rick	Bradbury	Maine Department of Transportation	Voting	X
Paul	Farley	West Virginia Department of Transportation	Voting	X
Paul	Burch	Arizona Department of Transportation	Voting	X
John	Staton	Michigan Department of Transportation	Voting	X
Mick	Syslo	Nebraska Department of Transportation	Voting	X
John	Shoucair	Florida Department of Transportation	Voting	X
Curt	Turgeon	Minnesota Department of Transportation	Voting	X

III. Approval of Technical Subcommittee Minutes

Meeting date: Midyear Webinar January 30th, 2018 (Attachment #1)

Motion to approve by: Florida

2nd Motion to approve by: Idaho

[The motion passed unopposed.](#)

IV. Old Business

A. COMP Ballot Items

- i. T 2 was reclassified as a standard practice and published as R 90, with a title change. New title is Sampling Aggregate Products.
- ii. T 113 was revised, with significant changes to Sections 6, 7, and 8. Section 5.1.2 and reference to kerosene heavy liquid removed.
- iii. TP 81 was adopted as a full standard test and published as T 381.
- iv. PP 64 was adopted as a full standard practice and published as R 91.

[The items were discussed at the mid-year meeting and are going to COMP ballot.](#)

B. TS Ballots

- i. M 6, M 43, T 11, T 19M/T 19, T 27, T 85, T 326, and T 335 were reconfirmed for 4 years
- ii. TP 120, first published in 2016, was reconfirmed for 2 years

[These items passed and were reconfirmed.](#)

C. Task Force Reports

- TF 11-01: T112 Revision (KS – Rick Barezinsky, NE, AK, AMRL)
[The definition of friable particles had to be determined. A revision was sent to the previous chair. The information will be re-sent to the current chair.](#)
- TF 13-01: AIMS Standards, TP81 & PP64, (FL – John Shoucair, OH, AZ, TRB)
[Sunsetted.](#)
- TF 15-03: Centrifuge method for LWA (LA, FL, KS, Jeff Speck)

AASHTO

- Draft provisional received from the Task Force for Tech Section Ballot
The item will be resent to the current chair.
- TF 16-01: Sunsetting. A research project through NCHRP is ongoing. Once the report is published, the task force will ~~reconvene~~ reconvene.
- TF 17-01: Friction Tester (MD –Sejal Barot, TN, LA, FL, WV, FHWA)
Sejal Barot (Maryland) gave a brief presentation (attached to minutes) on the Development of a Specification for Friction Testing Using a Dynamic Friction Tester (~~DTF~~DFT)
 - The purpose of the task force is to evaluate the available practices and information regarding the measurement of surface frictional properties of aggregates and asphalt surfaces using the Dynamic Friction Tester (DFT)
 - The TF had a kickoff meeting in January 2018 and have been having bi-monthly meetings (March/May/July)
 - Relevant publications have been reviewed.
 - Methods of sample preparation have been identified
 - Based on the literature review, they TF is drafting a standard specification method. There could be two separate specifications, one for polishing and one for testing.
 - The challenges include standardizing the procedures and equipment, given that there are several types of laboratory equipment currently available.
 - Both bounded and unbounded ~~samples~~ materials are being reviewed
 - ASTM does have a specification but it is not active and is in need of updates
 - Indiana mentioned that they are currently reviewing different ways to make uniform slabs for DFT that are less laborious.
 - It was mentioned that LTRC report 554 includes a review of DFT testing on Hamburg Wheel Track Specimens

V. New Business

A. Research Proposals

1. Quick turnaround RPS- None Received
2. Full NCHRP RPS- None Received

B. AASHTO Technical Service Programs Items

- i. AASHTO Re:Source- John Malusky will provide a follow-up to the aggregate washing survey with the results of the most recent Fine Aggregate Proficiency Sample Round

A presentation was not available during the meeting but will be available during the minutes. Matt Bluman gave a brief update on John's behalf. The TS indicated that they would like this data collected on future proficiency sample rounds for continued observations.

Just to summarize, the QAs were seeing labs getting suspended for T11/C117 for low PSP ratings when using Sodium Hex as the wetting agent for Procedure B of T11. They kept failing XPS samples when using Sodium Hex as the wetting agent. The QAs recommended that the labs switch to using dish soap. When

the labs' used dish soap, the ratings improved and the labs were reinstated. Last fall, we surveyed the COMP to see what agencies were using as the wetting agent. If I remember correctly, close to 65% were using Dish Soap, %25 were using Sodium Hex and about 10% said they typically don't use any wetting agent or it was some other agent, such as BaCl.

This past AGF PSP, we asked all participants what they were using as the wetting agent. The ratio of the usage was like what the COMP reported. Upon receiving the results, I compared the data (average and 1s) between labs that used dish soap, sodium hex, or a "other or no" wetting agent. The data indicated that there was no significant difference between using dish soap and sodium hex but there was significance between using either dish soap or sodium hex compared to the "other or no" wetting agent.

It isn't really a shocker since we have Procedures A and B within T11. Although the statistics showed that the data was not significant between dish soap and Sodium Hex, the resulting t-value (from Welch t-test for significance) was approaching the "Critical T Value". Looking at this from a practical standpoint, the results may not be "statistically significant" but there appears to be some variability between dish soap and Sodium Hex.

C. NCHRP Issues

i. None Received

Ed Harrigan gave a brief update:

- There is a new synthesis report available
- 01-53 Influence of Subgrade Unbound Layers
- 20-5019: Using LTPP data to identify the overlap between field and lab derived properties of unbound materials.

D. Correspondence, calls, meetings

None

E. Presentation by Industry/Academia

None

F. Proposed New Standards

i. None Received

G. Proposed New Task Forces

None

H. Standards Requiring Reconfirmation

i. M 195-11 (2015)

ii. T 021M/T 21-15

There are some discrepancies in the color charts that are being produced. ASTM is currently reviewing and making changes. This TS will review once ASTM makes changes.

- iii. T 096-02 (2015)
- iv. T 210-15
- v. T 330-07 (2015)
- I. COMP Ballot Items (including any ASTM changes/equivalencies/harmonization)
 - i. Review revisions submitted for T 27 by WAQTC (attached)

One of the major changes made is to move some of the sieve overload and other information to an Annex. A motion was made by Florida and a second by Alaska to approve the changes proposed by WAQTC voice vote. The ballot passed voice vote unopposed. A motion was made by Alabama and a second by Ohio to send the item to COMP. The motion passed unopposed.

VI. Open Discussion

- VII. Adjourn** A motion was made by Florida and a second by Tennessee to adjourn the meeting. The meeting adjourned at 8:55 AM.