

AASHTO Subcommittee on Materials

**Technical Section 1b
Subsurface Exploration, Soil Instrumentation,
Soil Stabilization, and Field Testing of Soils**

**Mid-Year Webinar
Monday, March 31, 2014
1:00 PM -3:00 PM CST**

Meeting Minutes

I. Call to Order / Opening Remarks / General Business

It is with great sadness that the AASHTO Subcommittee on Materials and Technical Section 1b lost a great colleague and friend in Milt Fletcher earlier this year. It was last year at this time I thanked Milt for his tireless work for this Technical Section.

II. Roster

Attendee	Organization	Attendee	Organization
James Williams	Mississippi	Rick Bradbury	Maine
Ben Rivers	FHWA	Ronald Siegel	Nevada
Benjamin Fernandez	Louisiana	William Adzimahe	Maryland
Bob Burnett	New York	Bill Trolinger	Tennessee
John Staton	Michigan	Jack Cowsert	North Carolina
Christopher Clark	Oklahoma	Bob Lutz	AASHTO
David Horhata	Florida	Mario Paredes	AASHTO
Heather Shoup	Illinois	Henry Lacinak	AASHTO
Andy Babish	Virginia	Evan Rothblatt	AASHTO
Carl Benson	Virginia	Brian Johnson	AASHTO
Kaye Chancellor Davis	Alabama	Tracy Barnhart	AASHTO
Marcy Meyers	Vermont		

III. Approval of Minutes from August 6, 2013 Meeting in State Line, NV:

(M/S – Bob Burnett (NY) / Bill Trolinger (TN))

IV. 2013 SOM Ballot – The following Technical Section 1b standards were balloted on the 2013 SOM Ballot. All balloted changes passed and there were no negative votes. Results of the balloting are listed below including comments.

A. SOM Ballot Item 6 – Concurrent ballot item to adopt a new provisional standard entitled, “In-Place Density and Moisture Content of Soil and Soil-Aggregate Using Complex Impedance Methodology.”

Yes – 44, No – 0, No Vote – 9, 7 Affirmative Votes with Comment

Comment

Comments received from New Hampshire, Missouri, Mississippi, Rhode Island, Idaho, Kansas, and Iowa. Ballot results and comments are included as Attachment 1.

Resolution of Comments:

Comments received on the ballot were deemed to be editorial or informative in nature. Comments were addressed by the developer of the standard and will be included in the published version of the standard. Publications staff has assigned the designation TP 112 to the standard.

B. SOM Ballot Item 7 – SOM Ballot item to revise T 191.

T 191, "Density of Soil In-Place by the Sand-Cone Method."

Yes – 44, No – 0, No Vote – 9, No Comments

No action required. A copy of the ballot results is included as Attachment 1.

III. Upcoming Technical Section Ballots

A. TS Ballot to update T 298, High-Strain Dynamic Testing of Piles

B. Reconfirmation Ballot for 2015 Publication

IV. Task Force Updates

A. Task Force 10-02:

Research needed changes to update T 298.

- James Williams (MS) Lyndi Blackburn(AL), Bert Wentz (LA), David Horhota (FL)

Task Force 10-02 was initiated to address comments from Florida and Mississippi concerning the need to update T 298. Since publication of this standard, embedded and wireless transducers have become common and are not addressed in the current standard.

Update from August 6, 2013 - Report from Mississippi on progress to date – Updated pictures have been obtained from field personnel. Mississippi will work with toward having a draft revision in the upcoming year for Technical Section Ballot. (NOTE TO SELF SEND JAMES THE REVISED VERSION OF T298)

Progress has been made and a draft revision to T 298 will be forwarded to Technical Section Ballot this spring.

B. TASK FORCE 10-04:

Development of a new provisional standard for the In-Place Determination of Density and Water Content of Soil and Aggregate by Subsurface Electrical Method.

-Dennis Anderson, Cecil Jones, Jim Pappas (DE), Reid Kaiser (NV), Georgene Geary (GA), Bob Burnett (NY)

Task Force 10-04 was initiated to develop a provisional standard for the In-Place Determination of Density and Water Content of Soil and Aggregate by Subsurface Electrical Method for future Technical Section Ballot.

2012 TS 1b Meeting:

Dennis Anderson presented the draft version of a new specification. See Appendix B, Attachment 1. Upon review and formatting by the Chair, it will be forwarded to Technical Section Ballot in the coming year.

Discussion: The Chair asked if the technical section will support the balloting of the draft standard. Kaiser (NV) asked if the technical section would endorse the investigation of

alternatives to using the nuclear gauge for determining compaction levels in the field through NCHRP. Wintz (LA) indicated that the LTRC had investigated several of these non-nuclear devices.

The members unanimously agreed to endorse this needs statement with NCHRP. (M/S – Kaiser, NV/ Babish VA) The needs statement is in Appendix D.

2013 TS 1b Update:

A new provisional standard was balloted in June 2013. Problems with the ballot may warrant either re-balloting through the Technical Section or moving to concurrent SOM/Technical Section Ballot. There were two negative votes and 5 affirmative votes with comments. Guidance is needed from the Technical Section on a direction to take with this standard.

Added to Task Force: Greg Uherek, AASHTO; Andy Babish, Virginia; Bryce Simons, New Mexico; Mike Santi; Idaho. The Task Force will be continued to revise the standard as necessary based on future ballots.

SOM Concurrent Ballot to adopt a new provisional standard with designation TP 112 passed and will be published in the 2014 Edition. The Task Force will be continued for further improvement to the standard.

C. TASK FORCE 12-01

Address comments on Technical Section Ballot 12-01 to revise M 147.

- Andy Babish (VA), Jamie Blanton (LA), Georgene Geary (GA), Scott Seiter (OK), and James Williams, (MS)

Task Force 12-01 was established to address comments on Technical Section Ballot 12-01 to revise M 147. Andy Babish (VA) suggested clarification of the term “normal” as it relates to specific gravity and absorption. The Task Force agreed to propose wording for Section 1.1 for future consideration by the Technical Section.

No report at this time.

D. TASK FORCE 12-02

Address negative votes and comments related to Technical Section Ballot 12-04 to revise T 99 and T 180.

- Garth Newman (WAQTC), Scott Seiter (OK), Jamie Blanton (LA), David Horhota (FL), James Williams (MS)

Task Force to address negative votes and comments related to TS-12-04 Ballot to revise T 99 and T 180. This Task Force will also address the revisions to T-135 and T 136 regarding the curing of specimen according to M 201. The Task Force members are: Jamie Blanton (LA), Scott Seiter (OK), Garth Newman (WAQTC), James Williams (MS), and David Horhota (FL).

2013 TS 1b Update:

WAQTC has written a white paper, that will be submitted to the Task Force. Garth Newman will lead this effort.

Garth Newman submitted the WAQTC white paper to the Chair (Attachment 2). Garth is working on revisions for the Task Force to review for possible Technical Section Ballot.

V. Research Needs

The following Research Needs Statements (RNS) generated from TRB committees was forwarded to TS 1a and TS 1b for possible endorsement. Please review the RNS for potential action at the Summer Meeting. RNS are included as Attachment 3.

Dynamic Properties of Earth Material During Rolling Compaction

Improved Rutting Prediction of Unbound Granular Materials for Mechanistic-Empirical Pavement Design

Smart Sensing systems Applied to Geotechnical Structures

Improving Processes for Characterizing Corrosion Potential of Soils and Fill Materials

An Implementation Manual for Geotechnical Asset Management for Transportation Agencies

Discussion

The question was asked by Bob Burnett (NY) and followed by Andy Babish (VA) as to whether or not TS 1b is the right place for the “Manual for Geotechnical Asset Management for Transportation Agencies” and the “Manual on Subsurface Investigation.” There needs to be ownership and stewardship for these manuals. James Williams (MS) noted that the SOM Executive group will need to discuss this further. Maybe there should be a TS in charge of these manuals. This will be discussed at the meeting in Minneapolis this summer.

VI. New Business

VII. Adjourn

Meeting Date:	March 31, 2014	
Items approved by the TS for Subcommittee Ballot:		
Standard Designation	Summary of Proposed Changes	Subcommittee Only or Concurrent?
T 298	<ul style="list-style-type: none"> Updated pictures 	TS
T 99	<ul style="list-style-type: none"> WAQTC updates 	Concurrent
T 180	<ul style="list-style-type: none"> WAQTC updates 	Concurrent
T 224	<ul style="list-style-type: none"> WAQTC updates 	Concurrent
T 272	<ul style="list-style-type: none"> WAQTC updates 	Concurrent
New Task Forces Formed		
Task Force Name	Summary of Task	Names of TF Members
	<ul style="list-style-type: none"> 	
Other Action Items		
<ul style="list-style-type: none"> Discuss the place to maintain the Manual for Geotechnical Asset Management and the Manual for Subsurface Investigation. 		