



COMMITTEE ON MATERIALS & PAVEMENTS

2017-2018 Mid-Year Meeting (*Webinar*)

Wednesday, January 31, 2018

2:00 – 4:00 PM EST

TECHNICAL Subcommittee 1b

Geotechnical Exploration, Instrumentation, Stabilization and Field Testing

I. Call to Order and Opening Remarks

II. Roll Call

AL – Lydi Blackburn (Vice Chair), Kaye
Chancellor
CA – no
CT – no
FL – David Horhota
GA – Neoma Cole (Chair)
ID – no
IL – here
Maryland – no
MS – James Williams, Griffin Sullivan
NC – Clark Morrison
NH – Charles Dusseault

NV – Darin Tedford
NY – Steven Heiser
OK – Scott Seiter
OR – no
PA – Tim Ramirez
SC – Merrill Zwanka, Temple Short
TN – Travis Smith
TX – no
VA – Andy Babish
ON – Anne Holt
FHWA – Ben Rivers (Ex-Officio Member)

Staff/Friends/Guests

AASHTO – Brian Johnson, Matt Bluman, Maria Knake, Georgene Geary
Troxler – Dick Reeves (Friend), Robyn Myers
Instrotek – Ali Regimand (Friend)
Diversified Engineering – Cecil Jones (**Please designate Cecil as a Friend**)

III. Approval of Technical Section Meeting Minutes

A. 2017 Annual Meeting Minutes distributed with this agenda. Attachment A

(1) OK, (2) AL, minutes approved

IV. Old Business

A. COMP Ballot Items & Concurrent Ballot Items Attachment B

COMP Ballot Items (1-3) **No negative votes, but actions are going to be taken on 1 and 3.**

1. RP XYZ, Preparation of Test Specimens Using the Plastic Mold Compaction Device.
OK, NY, VA comments – will forward to Dr. Isaac Howard (Mississippi State University) to address. Alabama is going to propose an additional method for using the mold for sample removal. Lyndi Blackburn (AL) will work on this. **There will be a TS ballot.**
2. T 99, Moisture-Density Relations of Soils Using a 2.5-kg (5.5-lb) Rammer and a 305-mm (12-in.) Drop by removing the 2-inch sieve equipment. **Approved.**

3. T 180, Moisture-Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18-in.) Drop by removing the 2-inch sieve equipment. [Approved](#).

Concurrent Ballot Items (4) -[No negative votes](#).

1. T 272, One-Point Method for Determining Maximum Dry Density and Optimum Moisture,
[NY – The TS would like AASHTO re:source to look at the accuracy statement since the existing one seems unrealistically high. Someone from a DOT will need to champion this. AASHTO re:source can report on current values coming out of the PSP results for Proctor for comparison.](#)

B. Reconfirmation Ballots **Attachment C**

Items 1- 6

1. Reconfirm T134 – Moisture Density Relations of Soil-Cement Mixtures
[No Comment](#)
2. Reconfirm T191 – Density of In-Place Soil by Sand Cone Method
[No Comment](#)
3. Reconfirm T206 – Penetration Test and Spilt Barrel Sampling of Soils
[Lyndi Blackburn \(AL\) will put some language concerning the weight of hammer. There will be a TS ballot.](#)
4. Reconfirm T252 – Measurement of Pore Pressures in Soils
[NY – no report section but feels it needs one. Georgene will develop some language. There will be a TS ballot.](#)
5. Reconfirm TP100 – Deep Foundation Elements under Bidirectional Static Axial Compressive Load
[There will be a TS ballot to send this forward to become a full standard.](#)
6. Reconfirm TP112 – Determining In-place Density and Moisture Content of Soil and Soil-Aggregate Using Complex Impedance Methodology
[Alabama has several comments. See Task Force 10-04 notes below for more information. There will be a TS ballot.](#)

C. Task Force Reports

Task Force 10-04:

Support for the Provisional standard for the in-place determination of density and water content of soil and Aggregate by Subsurface Electrical Method, TP 112

Cecil Jones, Dennis Anderson, Darin Tedford (NV), Delaware, Mississippi

Comments were made on reconfirmation ballot, and will be forwarded to the TF.

Would any other states like to join the TF? [Add Alabama to this task force.](#) Cecil Jones (Diversified Engineering) mentioned that they had several items that they were thinking about amending to the standard. [There will be a TS ballot.](#)

Task Force 16-01:

Write Procedure for the Calibration Blocks

[Lyndi Blackburn \(AL\) did not produce anything yet, but she did look at whether the e-gauge could be incorporated into the existing T310. She found that it should be split out into a separate standard. Dick Reeves \(Troxlter\) stated that ASTM has been developing a new set of e-gauge standards swiftly, but they are willing to share information with AASHTO COMP.](#)

However, AASHTO COMP is not going to move ahead on a new standard if one is already being actively developed through ASTM.

Task Force 17-01:

Proposed new provisional standard or revise R 13, “Conducting Geotechnical Investigations” Ben Rivers (FHWA) reported that a draft exists for a stand-alone practice that could be balloted. If the Task Force comments are positive, it might be time to ballot this standard at the Tech Section level. **There could be a TS ballot.**

Other topics:

T 310 - Research inclusion of devices such as the e-gauge

V. New Business

A. Research Proposals

1. 20-7 RPS (*for Spring Meeting*)

2. Full NCHRP RPS – (please submit by July 1, 2018)

James Williams (MS) stated that the RNS from TRB have come in late in the last couple of years. James indicated that he would forward any that he received to the Chair and Vice Chair. He also wanted to encourage the COMP TS members to think about their needs for research outside of what happens at TRB. Any research does not necessarily have to come from TRB but in the last few years most of the RNS have come from those committees.

Ben Rivers (FHWA) stated that there will be an RNS on reliability of geotechnical data and investigations.

B. AASHTO Re:source/CCRL - Observations from Assessments?

Email about T134 **Attachment D**

The oversized particle correction annex that is in T 99 and T 180 was left out of T 134.

Georgene Geary (AASHTO) is going to look at adding the oversize and use T 99 and T 180 as a reference. Brian Johnson (AASHTO) also mentioned that the jack is listed in the equipment as the means for extruding the sample from the mold but then the standard does not say to use the jack. **There will be a TS ballot.**

Email about T310 **Attachment E**

Lyndi Blackburn (AL) will look at removing the date of calibration from the report section and include it in the audit section. **There will be a TS ballot.**

C. NCHRP Issues

21-10 – Update to R13 – is ongoing, more info to come at the Annual Meeting

The Manual on Subsurface Investigation was held up for contractual reasons. There is a plan to move forward and issue a draft by June 2018. AASHTO engagement is critical to the success of this NCHRP activity both by TS 1b and T15 from the structures group. TS 1b was the sponsoring TS for the RNS that led to the creation of this document. James Williams (MS) and Ben Rivers (FHWA) will be part of the panel that will review this for adoption. What they have seen looks good and up-to-date.

D. Correspondence, calls, meetings



- E. Presentation by Industry/Academia
- F. Revisions/Work on Standards for Coming Year
- G. Proposed New Standards
- H. Proposed New Task Forces
- I. New TS Ballots?

- J. Standards Requiring Reconfirmation – TP 104

VI. Open Discussion

VII. Adjourn

TS 1b: 2017 Annual Meeting Summary

Meeting Date: 1/31/2018

Items approved by the TS for TS/Subcommittee/Concurrent Ballot

Standard Designation	Summary of Proposed Changes	TS Only, Subcommittee Only or Concurrent? (TS / S / C)
T 206	AL will add language on hammer weight	TS
T 252	Georgene will develop language	TS
TP 100	Will be balloted to become a full standard	TS
TP 112	AL will work with Cecil on updated language	TS
TP XX	New standard for DIGGS could be balloted this year through the work being conducted by TF 17-01	TS
T 134	Georgene will work on oversized particle correction and will look at the hand-jack wording in the procedure.	TS
T 310	The requirement to report the last date of calibration will be removed.	TS
RP XYZ	AL will propose an additional mold and sample removal language, and researchers will address comments from OK, NY, and VA.	TS

New Task Forces Formed:

Task Force Name	Summary of Task	Names of TF Members

Research Liaison:

Other Action Items:

Change Cecil's classification on the roster to Friend