I. Introduction and Housekeeping

II. Call to Order and Opening Remarks

   A. Brief Summary of Activities
      Review and approve minutes from the January 8, 2019 Mid Year meeting. Tech Section Voice Vote to remove T257, then move to COMP as a ballot item to remove. Assign Stewards to remaining standards. Review Reconfirmation ballots and similar items.

III. Roll Call of Voting Members

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<tr>
<th>Present</th>
<th>Member Name</th>
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<td>Tim Ruelke</td>
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<td>Kurt Williams</td>
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<td>Andy Babish</td>
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<td>Curt Turgeon</td>
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Quorum Rules Met?
Annual Meeting: Simple majority of voting members (☐ y/ ☐ n)  |  Mid-Year Meeting: Voting members present (☐ y/ ☐ n)

   A. Review of Membership (New members, exiting members, etc.)

IV. Approval of Technical Subcommittee Minutes – Attachment A

Mid-Year webinar - Need to approve.
Summary of Meeting:
   a. Reconfirmed and published M268
   b. Reconfirmed and published M030
   c. Reconfirmed and published M181

V. Old Business

   A. T257

At Mid Year Meeting it was decided to propose a TS vote at Annual meeting to remove, then move to COMP Ballot to remove. The original task (Task Force 18-01) was to see if AASHTO T 257 needed to be updated to match ASTM. Through her review, Kelly Morse (IL) discovered the only other AASHTO method to refer to T 257
was M 290 which has been deleted. Thus she proposes to eliminate T 257 as an outdated method that no one uses. The Chair proposes to officially “sunset” Kelly’s TF.

1.

B. Stewards for Standards and Tests

2. At the mid year Meeting it was decided to assign stewards to all the unassigned Standards and Tests.
   a. M333 – WV is Steward
   b. TP103 – FL is Steward

a. COMP Ballot Items *(Include any ASTM changes/equivalencies, including ASTM standards’ revision years.)*

<table>
<thead>
<tr>
<th>COMP Ballot #</th>
<th>Standard</th>
<th>Results (neg/affirm)</th>
<th>Comments/Negatives</th>
<th>Action</th>
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b. Technical Subcommittee Ballots

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<th>TS Ballot #</th>
<th>Standard</th>
<th>Results (neg/affirm)</th>
<th>Comments/Negatives</th>
<th>Action</th>
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c. Reconfirmation Ballots

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<th>Results (neg/affirm)</th>
<th>Comments/Negatives</th>
<th>Action</th>
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<td>Recommend to send to COMP ballot to Adopt</td>
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d. Task Force Reports
3. New Business
   a. AASHTO re:source/CCRL/NTPEP (Observations from assessments, as applicable.)
   b. Presentation by Industry/Academia
   c. Revisions/Work on Standards for Coming Year
   d. Review of Stewardship List
      Need New Stewards for remaining Standards. Please volunteer
   e. Proposed New Standards

1. NCHRP Issues – Update on status of NCHRP 22-40 which involves the update to M180-18 and Associated Highway Guardrail specifications.
   b. Correspondence, Calls, Meetings
   c. Proposed New Task Forces (Include list of volunteers to lead and/or join TF.)
   d. New TS Ballots Update - AASHTO M 280, Section 7.4 to include “mechanical splice” as written in 7.4 of ASTM A 121-19 This change was requested by Dale King Engineering & Customer Technical Relations Manager, Bekaert Corporation.
      i. 

2. Open Discussion
   a.
   b.

3. Adjourn

**TS Meeting Summary**

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<tr>
<th>Standard Designation</th>
<th>Summary of Changes Proposed</th>
<th>Ballot Type</th>
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Meeting Summary

New Task Forces Formed

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<tr>
<th>Task Force Name</th>
<th>Summary of Task</th>
<th>TF Member Names and (States)</th>
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Research Proposals (*Include number/title/states interested.*)

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Other Action Items

Attachment A – 2019 Mid-Year minutes

COMMITTEE ON MATERIALS & PAVEMENTS

2018 - 2019 Mid Year Meeting (*Webinar*)

Tuesday, January 8th, 2019

11:30 AM to 1:00 PM EST

TECHNICAL SUBCOMMITTEE 4d

Safety Devices

Call to Order and Opening Remarks –

Chair Intro and thanks and awards

1. Brief Intro

Roll Call (Voting Members) – *Sign in Sheet & Introductions*

Ron Stanevich  WV  Chair-Present
Tim Ruelke  FL  Vice Chair - Present
Jason Davis  LA  Member
Dan Tobias  IL  Member
Leo Fontaine  CT  Member
                OH  Member
Brandi Mitchell  KY  Member
Jose Lima  RI  Member
Richard Douds  GA  Member
Kurt Williams  WA  Member
Andy Babish, Jim  VA  Member-y
Swisher
Curt Turgeon  MN  Member
John Grieco  MA  Member
                TX  Member
Becca Lane  ON  Associate
Danny Lane  TN  Member - Y
Friends of TS-4d & Introductions – *(non Voting)*

- Dennis Dvorak: FHWA, Ex Officio & Friend
- Chris Gaudette: Orafol Am., Friend
- Todd Ballen: 3M, Friend
- Robert Lutz: AASHTO, Liaison
- Tracy Barnhart: AASHTO, Liaison
- Kelly Morse: IL, Member
- Robert Lutz: AASHTO, Liaison
- Steven Lenker: AASHTO, Member
- Maria Knake: AASHTO, Member
- Henry Lacinak: AASHTO, Member
- David Ahlvers: MO, Member
- Art Bertol: Wheeling-Nisshin, Friend
- Rick Barezinsky: KS
- Jonathan Sirianni: AASHTO
- Don Streeter: NY

Approval of 2018 Annual COMP Minutes –

- Motion to approve minutes: FL
- Second: VA
- Discussion: none; approved with no discussion

Old Business

Any Outstanding Items from the OH SOM Meeting
1. T257 – comment by Illinois - ASTM has revised their standard since 2013 and the AASHTO standard should be compared to the current ASTM version to ensure that the language matches.

   “Need to make sure to keep up with ASTM method changes. Current with the 2013 versions.”

   - Kelly Morse with IL DOT will review this standard to make sure it reflects the current ASTM method changes. This will be task force 18-01. Is this referred to anywhere else in the AASHTO standards? If it is used in other places, are there any ASTM standards that have been updated since 2013 and if so, are the AASHTO standards current with the ASTM standards. LA will also volunteer on this task force. Chris Gaudette with ORAFOL Americas will also participate on this task force.

   There’s a tie between M290 to be removed and there was a negative that needed to be resolved (KS). There was a reference to T257 but was obsolete also. They may need to ballot T 257 to be removed, and if not, remove because of lack of use.

   FL: discussed a path forward. The group will wait until this TF is resolved and a decision is made. This will then be voted on at the annual meeting by a voice vote.

TS4d SOM Ballot Items
1. TP 103 – A COMP ballot outlining the changes to coincide with NTPEP work plan

   SOM Ballot Completed – 43 affirmative, 1 Negative, 8 No Vote. Negative and comments related to inability to see test procedure on the ballot. Vice Chair has reached out to PA, SC and SD with the document and request review. Propose to review their comments for any persuasive items and move to publication assuming they are no more than editorial.
New NTPEP work plan coming out and this is supposed to match that work plan.
FL recommends opening the floor for comments with the 3 states above, making any editorial changes, then moving forward. The 3 states have
2. M290 – A COMP ballot was submitted for deletion of M290 – 43 Affirmative, 1 Negative and 8 No Vote
The negative was withdrawn from KS and this will be withdrawn through the publications process.
3. KS negative appeared to indicate agreement with the deletion. Vice Chair will confirm and get a withdrawal or correction. Propose to move to delete from next publication.

Reconfirmation Report for standards:
1. M268 – Retroreflective Sheeting for Flat and Vertical Traffic Control Application
   TS Ballot for reconfirmation – 14 Affirmative, 0 Negative, 2 No Vote
   Reconfirmed
   Note: Confirmed M030 is not referenced in any other AASHTO Standard, this was an action item from 2018 annual meeting. Publications confirmed it was not.
   The TS wanted to verify that it was not referenced in any other AASHTO standards.
   Pubs verified that it was not referenced and this is reconfirmed.

Tech Section Actions Required (Attachment C)
1. M181-10 Chain Link Fence - Revise or Reconfirm
   Will be sent out for a TS reconfirmation ballot
   This item was originally left off the previous reconfirmation ballot. AI: Ron and Casey will send this out as a TS reconfirmation ballot

Task Force Reports – Update from 18-01 (Kelly Morse) see above

Research Proposals:
1. NCHRP 22-40 – Tim Ruelke will give update.
   Link to project:
   This item was presented from another AASHTO Committee. This project was proposed regarding M 180 and it was not put forward by 4d or COMP. It speaks directly to M 180 and concerns with the standard not getting up to date.
   This project is currently being advertised with the deliverable being a ready-for-publications product that’s been revised
   The project participation window closes on January 29.

New Business
1. “Material Requirements for High Tension Cable Barriers” Did not get recommended by COMP.
   However, NCHRP 22-40 indicated willingness to extend based on performance of Researcher to include this. Decision is pending with the NCHRP panel.
   This is a slight difference from the item above. Ed Harrigan (NCHRP) expressed a willingness to extend work to high tension cable barriers
   TN: they do brand registration guarantee; extended thanks for putting this together to include all the rest of the associated parts.
   How will this help with NTPEP? The researcher will have to reach out to NTPEP (and other involved parties) to evaluate that state of practice
   Can M 180 dovetail with NTPEP programs? NTPEP committee is making suggestions to M180. Ryan Fragapane will coordinate the NTPEP committee with the NCHRP researchers.
2. AMRL/CCRL – None – any comments from TS Members
3. NCHRP Issues –
-NCHRP 20-7 TF 374-M268. VA DOT: Looked at M268 and studied how people see signs and the angles to look at. TTI wanted to bring to this TS that we should be looking at how long signs last and recommends we do a performance study. Pooled fund by MN is currently going on. If you are interested in participating, contact Gene Hawkins with TTI.

Did anyone offer to participate? Any comments?

Jim Swisher (VA) has not volunteered in PFS but can update on the task force. The basic goal was to develop guidance for DOTs to use to select sign sheeting using M 268. There will be a conference call in a few weeks to ensure the course of research is still moving forward to ensure the geometry of signage is still in use.

Andy Babish (VA) is this something that COMP endorsed? It sounds like the principal is coming back trying to expand the work. Lacinak – this was written and submitted a long time ago. We need to look at the original project statement and stick to those parameters unless the panel approves or the TS approves this expansion of this project.

An expansion of the scope of work could possibly be problematic. If they want to expand this to a long term performance study they would need to proceed with caution as a 20-7 has limited funding.

The group (and Gene Hawkins - TTI) is leaning towards sticking with the original proposal. If they want to change anything it would be much more prudent to go through the correct NCHRP channels.

Correspondence, calls, meetings - Any updates from the TS members?

3M – at the annual meeting there was a topic of daytime luminous factors and there’s a discrepancy between AASHTO/MUTCD and ASTM D4956 in that orange and yellow have lower values. There’s been an ASTM ballot to raise the cap-y values to be in agreement with the MUTCD. There were negatives that the spec may be used for materials other than transportation-related usage. Those comments are currently under review with ASTM. The specific ballot is a red lined version of table 2 in D4956 reflecting the changes in values to increase the cap-y values.

Presentation by Industry/Academia – None – any comments from TS Members. None

Proposed New Standards-None – any comments from TS Members None

Proposed New Task Forces – None – any comments from TS Members None

Standards Requiring Reconfirmation

i. M-180 being revised by NCHRP 22-40. Proceed with reconfirmation?

FL: proceed with reconfirmation. The work will need to be laid out by the researchers before changes can be made. The outcome of the research will come after this administrative deadline.

Art Bertol is available to give input to whomever becomes this standard steward.

ii. M - 333 Detectable Warning Surfaces. Steward Volunteer? WV volunteers to be Steward

iii. TP - 103 Confirm or Dump? FL will be Steward.

The Chair will reach out and assign other standards to states.

Annual Meeting Agenda topics and issues

1. Please feel free to send me (ron.l.stanevich@wv.gov) any potential TS4D 2019 Annual meeting agenda topics. Ideas, etc industry presentations, anything.

If anyone has ideas for presentations or agenda items in the coming months please get in touch!

Email about ASTM A 116 and A 121 –

1. Does this require changes to M 279 and M 280?

Should industry make changes and propose a draft revision to be balloted? Yes, the technical experts can recommend changes and the changes will be balloted and reviewed.

Open Discussion

Wheeling Nisshin – thanks to the group for getting the changes to M 180 through.
Tim is also the chair of 4b. There is a great opportunity for another state to be involved in this TS leadership. It’s important for there to be representation from across the country and from each state. It’s not ideal to have 1 person in multiple leadership roles. If you are interested in becoming the Vice Chair for this TS please get in touch with Ron and Casey.

**Adjourn**

TN motion
VA second
Adjourned 12:52