2019 Committee on Materials & Pavement Meeting Program

August 4–8, at the Four Seasons Hotel, Baltimore, Maryland
DEMANDING APPLICATIONS?
CORRUGATED PLASTIC PIPE
THE SUPERIOR CHOICE FOR SEWER & DRAINAGE

GLOBALLY ACCEPTED. PROVEN PERFORMANCE.
• 100 Year Service Life
• Water-Tight Joint Performance
• AASHTO, AREMA, FAA, ASTM & CSA Specifications
• Documented Use Under Heavy Cyclical Loads

LOWER INSTALLED COSTS. GREATER EFFICIENCIES.
• Lightweight, Longer Pipe Lengths
• Less Labor & Equipment for Installations
• Supports Green Building or Sustainability Credits on Projects

Plastics Pipe Institute®
THE VOICE OF AN INDUSTRY

To see why corrugated plastic pipe is the best choice visit:
www.plasticpipe.org/drainage
The AASHTO Committee on Materials & Pavements would like to extend a huge THANK YOU to all our Sponsors!

**EVENT SPONSORS**

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- Ergon Asphalt & Emulsions, Inc.
- Plastics Pipe Institute
- NCSPA

**ITEM/TIERED SPONSORS**

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- CANNON Instrument Company
- BORAL RESOURCES
- Gilson
- APA
- AMAP
- ej
- ESDL
- ASTM International
Does this require a motion?

<table>
<thead>
<tr>
<th>Activity</th>
<th>Yes</th>
<th>No</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initiating a task force</td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Sunsetting a task force</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adding a new standard to the TS</td>
<td>✓</td>
<td></td>
<td>Prerogative of the chair to ballot as either full standard or provisional, or it can be part of the motion</td>
</tr>
<tr>
<td>Discontinuing a standard</td>
<td>✓</td>
<td></td>
<td>The need to discontinue a standard may come up in a reconfirmation ballot, but a motion would be needed to not send a standard to reconfirmation, essentially discontinuing a standard</td>
</tr>
<tr>
<td>Adjourning a meeting</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Initiating a change to a standard (a ballot item)</td>
<td>✓</td>
<td>✓</td>
<td>It depends, TS Chair may initiate a TS ballot item, but a motion is required for a COMP concurrent ballot item</td>
</tr>
<tr>
<td>Making technical changes to a standard*</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Making editorial changes to a standard*</td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Finding a comment persuasive</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finding a comment non-persuasive</td>
<td>✓</td>
<td>✓</td>
<td>Not required but it’s OK if the topic is contentious</td>
</tr>
<tr>
<td>Finding a negative persuasive</td>
<td>✓</td>
<td></td>
<td>The TS Chair may find even 1 negative persuasive and make necessary editorial changes or withhold publishing changes until such time the standard can be re-balloted, or the negative can be voted on as non-persuasive</td>
</tr>
<tr>
<td>Finding a negative non-persuasive</td>
<td>✓</td>
<td></td>
<td>A ballot item passes as long as more than the majority (TS) or 2/3rds (COMP) approves it. But negative votes still must be addressed and withdrawn or found non-persuasive if not found persuasive</td>
</tr>
<tr>
<td>Making a proposed or provisional standard into a full standard</td>
<td>✓</td>
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<tr>
<td>Approving previous meeting minutes</td>
<td>✓</td>
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<tr>
<td>Endorsing research needs statements</td>
<td></td>
<td>✓</td>
<td>Not required, but recommended to identify level of TS support</td>
</tr>
</tbody>
</table>

How to make a motion

The following motion, second, discussion, dissent, and result should be captured in meeting minutes.

1. The voting member wishing to make a motion is recognized by the chair. The chair is not allowed to make a motion, but to keep a meeting moving a Chair may state, “It looks like we need a motion to..., would anyone like to make this motion?”
2. The member initiates making the motion by stating “I move to...” or “I move that...”
3. Another voting member seconds the motion. This signals that at least two members believe the motion is worthy of discussion.
4. The chair restates the motion “It is moved by STATE and seconded by STATE to/that...” The chair asks if there is any discussion or debate and first offers the opportunity to the maker of the motion for additional explanation, context, rationale, or background.
5. Once discussion has ended, the chair restates the motion to the voting members and calls for a vote, “The question on the floor is to adopt the motion to...”. The chair calls for a vote by asking to signal favor by saying “aye” and signal dissent by saying “no.”
6. The chair announces the result of the vote by saying that the motion passes or does not pass and indicates the effect of the vote and the steps for execution.
Other Information

How to name a task force
Task forces are named by leading with “TF” followed by the Technical Subcommittee, year, and number. Example: The first task force was created in Technical Subcommittee 2b during a mid-year meeting. That task force would be called “TF 2b 19-1.” Generally, for discussion within the TS, the TS ID is dropped for brevity and the task force is often referred to as “TF 19-1.”

Editorial Change vs Technical Change
Editorial review is intended to improve the clarity of the text or address obvious errors or omission of information. Will the change provide clarity without altering the meaning or technical content? Technical changes are those that have an effect such that change an outcome, procedure, equation, unit (load/force/temperature/time), etc. The intent and output of the standard is affected.

- Examples of technical changes:
  - Referencing another standard should be considered a technical change, since the referenced standard itself has technical content.
  - Equations - Units (load/force/temperature/time/etc...)
  - Equipment
  - Technical changes to a footnote in a table or an annex

- Examples of editorial changes:
  - Wording/rephrasing for clarity
  - Punctuation
  - Addition of a unit equivalence
  - Editorial or technical changes to non-mandatory language (notes and appendices)
WELCOME TO THE 2019 AASHTO ANNUAL MEETING. READY TO THINK OUTSIDE THE TOOLBOX?

At Ergon, we’re developing innovative ways to help you stretch your budget and treat more miles in your network. Our growing family of products provides the options you need to expand your toolbox and maximize impact on your roads.

Contact our experts today to learn more about the right tools, for the right roads, at the right time.

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Sunday August 4th

2:00 p.m.–7:00 p.m.—Pre-Function (2nd floor)
Registration Is Open

8:00 a.m.–10:00 a.m.—Sienna
AASHTO re:source ATG (closed)

10:00 a.m.–3:00 p.m.—Sienna
Steering Committee Meeting (closed)

4:30 p.m.–5:00 p.m.—Sienna
NEW! COMP Refresher Cocktail Hour—This is an opportunity for new members to learn about the committee and a refresher for returning members. Grab a refreshment and come join us!

5:00 p.m.–6:30 p.m.—Foyer
Networking Reception—This is an opportunity to meet and mingle with our industry partners.

Monday August 5th

7:00 a.m.–8:00 a.m.—Cobalt Ballroom
Breakfast—All Delegates

7:00 a.m.–8:00 a.m.
Region 1: Sienna — Region 2: Grand Ballroom I
Region 3: Grand Ballroom II — Region 4: Indigo
NEW! State Regional Breakfasts—This is an opportunity for states to meet and chat about regional issues with their regional representative and colleagues from their region. Open to State and Affiliate members only.

■ Plenary Session I—Cobalt Ballroom

8:00 a.m.–8:20 a.m.
Call to Order & Roll Call
Moe Jamshidi, Chair, Committee on Materials & Pavements, Nebraska DOT

8:20 a.m.–8:50 a.m.
Maryland Welcome
Pete Rahn, Chair, Maryland DOT

8:50 a.m.–9:10 a.m.
Chair’s Report
Moe Jamshidi, Chair, Committee on Materials & Pavements, Nebraska DOT

9:10 a.m.–9:25 a.m.
Steering Committee Report & Mid-Year TS Webinar Updates
Curt Turgeon, Vice Chair, Committee on Materials & Pavements, Minnesota DOT

9:25 a.m.–9:45 a.m.
AASHTO Update
Casey Soneira, AASHTO
Jim Tymon, Executive Director, AASHTO

9:45 a.m.–10:00 a.m.
FHWA Transforming Transportation through Innovation
Jeff Zaharewicz, FHWA

10:00 a.m.–10:15 a.m.—Foyer
Break

■ Technical Working Sessions

10:15 a.m.–12:15 p.m.—Grand Ballroom I
Technical Section 1a: Soil and Unbound Recycled Materials 2 PDH
Chair Andy Babish, Virginia DOT
Vice Chair Griffin Sullivan, Mississippi DOT

10:15 a.m.–12:15 p.m.—Grand Ballroom II
Technical Subcommittee 5b: Bridge and Pavement Preservation 2 PDH
Chair Derek Nener-Plante, Maine DOT
Vice Chair Vacant

12:15 p.m.–1:15 p.m.—Cobalt Ballroom
Networking Luncheon—All Delegates
1:30 p.m.–3:00 p.m.—Grand Ballroom I
Technical Subcommittee 3b: Fresh Concrete 2 PDH
Chair Mick Syslo, Nebraska DOT
Vice Chair Wally Heyen, Nebraska DOT

3:00 p.m.–3:15 p.m.—Foyer
Break

3:15 p.m.–5:00 p.m.—Grand Ballroom I
Technical Subcommittee 3a: Hydraulic Cement and Lime 1.75 PDH
Chair John Staton, Michigan DOT
Vice Chair Brett Trautman, Missouri DOT

3:30 p.m.–3:45 p.m.—Foyer
Break

3:45 p.m.–4:45 p.m.—Grand Ballroom II
Technical Subcommittee 4f: Metals 1 PDH
Chair Merrill Zwanka, South Carolina DOT
Vice Chair Steven Ingram, Alabama DOT

3:45 p.m.–4:45 p.m.—Grand Ballroom I
Technical Subcommittee 4d: Safety Devices 1 PDH
Chair Ron Stanevich, West Virginia DOT
Vice Chair Tim Ruelke, Florida DOT

4:45 p.m.–5:15 p.m.—Foyer
Break

5:15 p.m.–8:00 p.m.—Four Season Splash Deck
ACPA Co-Host Caribbean Nights Reception

Tuesday August 6th

7:00 a.m.–8:00 a.m.—Cobalt Ballroom
Breakfast—All Delegates

■ Technical Working Sessions

8:00 a.m.–10:00 a.m.—Grand Ballroom I
Technical Subcommittee 4a: Concrete Drainage Structures 2 PDH
Chair Daniel Miller, Ohio DOT
Vice Chair Darin Tedford, Nevada DOT

8:00 a.m.–Noon—Grand Ballroom II
Pavements Session
Presentations & Technical Subcommittee 5d: Pavement Design 4 PDH
Chair John Donahue, Missouri DOT
Vice Chair LaDonna Rowden, Illinois DOT

10:00 a.m.–10:15 a.m.—Foyer
Break

10:15 a.m.—Noon—Grand Ballroom I
Technical Subcommittee 4b: Flexible and Metallic Pipe 1.75 PDH
Chair Tim Ruelke, Florida DOT
Vice Chair Ian Rish, Georgia DOT

Noon–1:00 p.m.—Cobalt Ballroom
Networking Luncheon—All Delegates

1:00 p.m.–3:00 p.m.—Grand Ballroom II
Technical Subcommittee 2c: Asphalt–Aggregate Mixtures 2 PDH
Chair Allen Myers, Kentucky DOT
Vice Chair Rick Bradbury, Maine DOT

3:00 p.m.–3:15 p.m.—Foyer
Break

3:15 p.m.–5:00 p.m.—Grand Ballroom I
Technical Subcommittee 3a: Hydraulic Cement and Lime 1.75 PDH
Chair John Staton, Michigan DOT
Vice Chair Brett Trautman, Missouri DOT

3:15 p.m.–5:00 p.m.—Grand Ballroom II
Technical Subcommittee 1b: Geotechnical Exploration, Instrumentation, Stabilization, and Field Testing 1.75 PDH
Chair Neoma Cole, Georgia DOT
Vice Chair Matt Linneman, North Dakota DOT

5:30 p.m.–8:30 p.m.
PPI Co-Host Baseball Game: Oriole Park
Buses will start loading at 5:15 p.m. from the hotel lobby

Wednesday August 7th

7:00 a.m.–8:00 a.m.—Cobalt Ballroom
Breakfast—All Delegates

■ Technical Working Sessions

8:00 a.m.–10:00 a.m.—Grand Ballroom II
Technical Subcommittee 2d: Proportioning of Asphalt–Aggregate Mixtures 2 PDH
Chair Ross "Oak" Metcalfe, Montana DOT
Vice Chair Greg Milburn, Wyoming DOT

10:00 a.m.–10:15 a.m.—Foyer
Break

10:15 a.m.–Noon—Grand Ballroom II
Technical Subcommittee 3c: Hardened Concrete 1.75 PDH
Chair Brian Egan, Tennessee DOT
Vice Chair Andy Babish, Virginia DOT

10:15 a.m.–Noon—Grand Ballroom I
Technical Subcommittee 4c: Markings and Coatings 1.75 PDH
Chair Dave Kuniega, Pennsylvania DOT
Vice Chair Robert Lauzon, Connecticut DOT

Noon–1:00 p.m.—Cobalt Ballroom
Networking Luncheon—All Delegates

1:00 p.m.–3:00 p.m.—Grand Ballroom II
Technical Subcommittee 2b: Liquid Asphalts 2 PDH
Chair Joe DeVol, Washington State DOT
Vice Chair Barry Paye, Wisconsin DOT

1:00 p.m.–2:00 p.m.—Grand Ballroom I
Technical Subcommittee 5c: Quality Assurance and Environmental 1 PDH
Chair Curt Turgeon, Minnesota DOT
Vice Chair Sejal Barot, Maryland DOT SHA
2:00 p.m.–3:00 p.m.—Grand Ballroom I
Technical Subcommittee 4e: Joints, Bearings, and Geosynthetics 1 PDH
Chair Tim Ramirez, Pennsylvania DOT
Vice Chair Michael Benson, Arkansas DOT

3:00 p.m.–3:15 p.m.—Foyer
Break

3:15 p.m.–5:00 p.m.—Grand Ballroom I
Technical Subcommittee 1c: Aggregates 1.75 PDH
Chair Matt Beeson, Indiana DOT
Vice Chair Temple Short, South Carolina DOT

3:15 p.m.–5:00 p.m.—Grand Ballroom II
Technical Subcommittee 5a: Pavement Measurement and Performance Measures 1.75 PDH
Chair John Donahue, Missouri DOT
Vice Chair Scott George, Alabama DOT

5:30 p.m.–8:30 p.m.
Ergon Co-Host Spirit of Baltimore
Meet in the hotel lobby for a short walk to the boat

Thursday August 8th

7:00 a.m.–8:00 a.m.—Cobalt Ballroom
Breakfast—All Delegates

Plenary Session II—Grand Ballroom I

8:00 a.m.–8:05 a.m.
Call to Order
Chair Moe Jamshidi, Committee on Materials & Pavements, Nebraska DOT

8:05 a.m.–8:50 a.m.
Region 1 Topic: Evaluation of ASR Tests: Is There a Better, Quicker, and More Reliable Method?
Terry Arnold, FHWA Turner-Fairbank Highway Research Center

8:55 a.m.–9:40 a.m.
Region 2 Topic: Additive Manufacturing and Mechanical Performance of Architectured Cement-Based Materials
Pablo Zavattieri, Purdue University

9:45 a.m.–10:15 a.m.—Foyer
Annual Group Photo + Break

10:15 a.m.–11:00 a.m.
Region 3 Topic: Future Workforce for DOTs
Amanda Holland, Alaska DOT

11:05 a.m.–11:50 a.m.
Region 4 Topic: FHWA’s Asphalt Density Demonstration Project: What Contractors Did to Obtain Higher Density and What Changes States Are Making to Their Specifications;
Tim Aschenbrener, FHWA

Noon–1:00 p.m.—Cobalt Ballroom
Networking Luncheon—All Delegates

1:00 p.m.–5:00 p.m.—Grand Ballroom II
State Roundtable Session
—Open to AASHTO Members ONLY
• AASHTO Technical Service Program Updates
• State Roundtable Discussion
• Discussion of Research Proposals

MEETING ADJOURNED
### Professional Development Hours (PDH) Tracker

To be eligible to receive PDHs, check off the sessions you attended and retain for your records.

<table>
<thead>
<tr>
<th>Date/Time</th>
<th>Session</th>
<th>PDH</th>
<th>V</th>
</tr>
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<tbody>
<tr>
<td><strong>Monday, August 5, 2019</strong></td>
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<tr>
<td>Monday, 10:15 - 12:15 PM</td>
<td>Technical Subcommittee 1a</td>
<td>2</td>
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<tr>
<td></td>
<td>Soil and Unbound Recycled Materials</td>
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<td>Monday, 10:15 - 12:15 PM</td>
<td>Technical Subcommittee 2a</td>
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<td></td>
<td>Emulsified Asphalts</td>
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<td>Monday, 1:30 - 3:30 PM</td>
<td>Technical Subcommittee 5b</td>
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<td>Bridge and Pavement Preservation</td>
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<td>Monday, 1:30 - 3:30 PM</td>
<td>Technical Subcommittee 3b</td>
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<td>Fresh Concrete</td>
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<td>Monday, 3:45 - 4:45 PM</td>
<td>Technical Subcommittee 4f</td>
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<td>Metals</td>
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<td>Monday, 3:45 - 4:45 PM</td>
<td>Technical Subcommittee 4d</td>
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<td>Safety Devices</td>
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<td><strong>Tuesday, August 6, 2019</strong></td>
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<td>Tuesday, 8:00 - 10:00 AM</td>
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<td></td>
<td>Concrete Drainage Structures</td>
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<tr>
<td>Tuesday, 8:00 - 12:00 PM</td>
<td>Pavements Presentations, FHWA Update, Discussion, Technical Subcommittee 5d</td>
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<td>Tuesday, 10:15AM - 12:00 PM</td>
<td>Technical Subcommittee 4b</td>
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<td>Flexible and Metallic Pipe</td>
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<td>Tuesday, 1:00 - 3:00 PM</td>
<td>Technical Subcommittee 2c</td>
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<td>Asphalt - Aggregate Mixtures</td>
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<td>Hydraulic Cement and Lime</td>
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<td>Technical Subcommittee 1b</td>
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<td>Geotechnical Exploration, Instrumentation, Stabilization, and Field Testing</td>
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<td><strong>Wednesday August 7, 2019</strong></td>
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<td>Technical Subcommittee 2d</td>
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<td>Proportioning of Asphalt-Aggregate Mixtures</td>
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<td>Markings and Coatings</td>
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<td>Liquid Asphalts</td>
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<td>Quality Assurance and Environmetal</td>
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<td>Wednesday, 2:00 - 3:00 PM</td>
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<td>Joints, Bearings, and Geosynthetics</td>
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<td>Wednesday, 3:15 - 5:00 PM</td>
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<td>Aggregates</td>
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<td>Wednesday, 3:15 - 5:00 PM</td>
<td>Technical Subcommittee 5a</td>
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<td>Pavement Measurement and Performance Measures</td>
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<td><strong>Total Hours</strong></td>
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Print Name

Company

Signature
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- The NCSPA Service Life Calculator
- The NCSPA Design Manual
- 2012 Polymer Coated CSP Report
- 2013 Aluminum Type 2 CSP Report

NEW UPDATE TO THE MATERIALS STANDARDS
5 NEW, 25 REVISED STANDARDS!
July 2019 UPDATE

In July 2019, AASHTO will release the first of three 2019 updates to its Standard Specifications for Transportation Materials and Methods of Sampling and Testing and AASHTO Provisional Standards, commonly known as the Materials Standards.

The July 2019 update will include 5 new and 25 revised standards and will update the following sections:

- Geotechnical
- Bituminous Materials and Mixtures

PURCHASE A SUBSCRIPTION TO THE MATERIALS STANDARDS
To purchase a subscription to the web-based Materials Standards, visit the AASHTO Store online at store.transportation.org, and search by Item Code, HY-WB.

The web-based Materials Standards are available as a 12-month subscription. Customers may purchase either a single-user license, or choose among several multiple-user licenses—either 2-user, 3-user, 5-user, 10-user, or 25-user licenses.

Multiple-user licenses offer deeper price discounts, ranging from a 25% discount for a two-user license, a 33% discount for a three-user license, and a nearly 40% discount for a 25-user license.

QUESTIONS?
For questions about the Materials Standards, contact AASHTO Publications by email at ashtopublications@ashto.org.
The American Concrete Pipe Association cordially invites you, your associate employees and their spouses to attend a reception/dinner while in Baltimore, Maryland for the 2019 meeting of the AASHTO Committee on Materials and Pavements.

Monday, August 5, 2019
Four Seasons Patio
Baltimore, Maryland
5:30 pm – 8:30 pm

We hope to see you in Miami!

2020 AASHTO Committee on Materials & Pavements Meeting (COMP), Miami, Florida