

AASHTO PAVEMENT ME NATIONAL USERS GROUP MEETING

November 7 & 8, 2018

Holiday Inn Express — Downtown

Nashville, Tennessee



U.S. Department of Transportation
Federal Highway Administration

The Federal Highway Administration (FHWA) is pleased to welcome you to the third American Association of State Highway and Transportation Officials (AASHTO) Pavement ME National Users Group Meeting. This annual meeting presents a unique opportunity for State Highway Agencies (SHAs) and other stakeholders to discuss issues related to the Mechanistic-Empirical Pavement Design Guide (MEPDG) and AASHTOWare Pavement ME Design, such as implementation challenges and experiences, software updates and enhancements, ME research design applications, and model calibration and validation.

In addition to providing participants with a forum for the exchange of information and ideas, the meeting will update participants on improvements to the ME design procedure and software, provide demonstration-based training on new software features and unique design applications, and identify future training, software, and research needs. The meeting outcomes will be instrumental in facilitating the more rapid adoption of the MEPDG and Pavement ME Design Software.

Contact

For questions and additional information about the meeting agenda, please contact Mr. Kelly Smith with Applied Pavement Technology, Inc. (APTech):

klsmith@appliedpavement.com

To register for the meeting and for travel assistance, please contact Ms. RoseMary Evans (APTech):

revans@appliedpavement.com

For question about the ME Design Pooled Fund Project (TPF-5(305)), please contact:

FHWA Contracting Officer's Representative Mr. Tom Yu

tom.yu@dot.gov

FHWA Project Manager and Technical Liaison Mr. Chris Wagner

christopher.wagner@dot.gov



MEETING AGENDA ✦ WEDNESDAY, NOVEMBER 7

8:00–8:45 AM **WELCOME & INTRODUCTIONS**
Welcome | *Chris Wagner, FHWA*
Introduction & Remarks | *John Donahue, Missouri DOT, AASHTO Committee on Materials & Pavements, & Chair of AASHTOWare Pavement ME Design Taskforce*
Canadian Users Group Update | *Felix Doucet, Ministry of Transportation of Quebec*
Review of Agenda & Meeting Goals | *Linda Pierce, NCE & Kelly Smith, APTech*

8:45–10:15 AM **AGENCY IMPLEMENTATION STATUS**
Implementation Map Updates | *Linda Pierce, NCE & Kelly Smith, APTech*
Agency Briefings on Implementation Plans, Timelines, and Progress | *All*

10:15–10:30 AM **BREAK**

10:30–11:00 AM **ME RESEARCH UPDATES**
FHWA Research Summary | *Tom Yu, FHWA*
NCHRP Research Summary | *Linda Pierce, NCE*

11:00 AM–NOON **AASHTOWARE PAVEMENT ME DESIGN SOFTWARE UPDATE**
Announcements and News Regarding Latest Software and Purchasing/Licensing | *Vicki Schofield, AASHTO*
Software Enhancements/Updates, Including New Features/Capabilities | *Chad Becker & Harold Von Quintus, ARA*

NOON–1:15 PM **LUNCH (ON YOUR OWN)**

1:15–2:45 PM **AGENCY IMPLEMENTATION EXPERIENCES**
Georgia's Implementation Efforts on Climate Research | *Ian Rish, Georgia DOT*
Successful Implementation: Challenges Overcome and Current Areas of Focus/Refinement | *Affan Habib, Virginia DOT*
Struggles with Implementation: Why Implementation Hasn't Occurred, Unique Challenges, Plans for Overcoming Challenges | *Lyndi Blackburn, Alabama DOT*
New Reflection Cracking Model for HMA: Challenges and Experiences | *Dr. Halil Ceylan, Iowa State University*

2:45–3:00 PM **BREAK**

3:00–4:45 PM **SPOTLIGHT ON ME RESEARCH (NCHRP, FHWA, AND OTHER KEY PROJECTS IMPACTING PAVEMENT ME DESIGN)**
NCHRP 1-53, Improved Consideration of the Influence of Subgrade and Unbound Layers on Pavement Performance | *Dr. Bob Lytton, Texas A&M University*
NCHRP 20-07 Task 422, User Review of the AASHTO Guide for Local Calibration of the MEPDG | *Georgene Geary, GfGA Engineering*

4:45–5:00 PM **DAY ONE WRAP-UP**
Discuss Key Takeaways of Day One | *All*

MEETING AGENDA ✦ THURSDAY, NOVEMBER 8

8:00–9:00 AM DESIGN APPLICATIONS AND PERFORMANCE CRITERIA

Adjustments in Design Inputs | *Jeffrey Mann, New Mexico DOT*

Comparisons with AASHTO '93 and Adjustments in Design Reliability and Performance Thresholds | *Ryan Barrett, Kansas DOT*

9:00–10:00 AM LOCAL CALIBRATION EXPERIENCES

Missouri's Second Calibration Effort | *Jason Blomberg, Missouri DOT*

Michigan's Recalibration Effort | *Dr. Syed Haider, Michigan State University*

Data Challenges for Local Calibration / Validation: Issues with Test Sites and / or Data Collection Procedures and Changes Made to Resolve Those Issues | *Rhonda Taylor, Florida DOT*

AASHTO Effort in Developing Automated Calibration Tool "Calibrator" | *Chad Becker & Wouter Brink, ARA*

10:00–10:15 AM BREAK

10:15 AM–NOON SOFTWARE TRAINING

Live Demonstration-Based Training on New Software Features and Example Applications | *Harold Von Quintus and Chad Becker, ARA*

NOON–1:15 PM LUNCH (ON YOUR OWN)

1:15–3:00 PM SOFTWARE TRAINING (CONTINUED)

Live Demonstration-Based Training on New Software Features and Example Applications | *Harold Von Quintus and Chad Becker, ARA*

3:00–3:15 PM BREAK

3:15–4:00 PM RESEARCH, TRAINING, AND SOFTWARE NEEDS

Role of User Group TAC in developing Research Needs Statements (RNS) | *All*

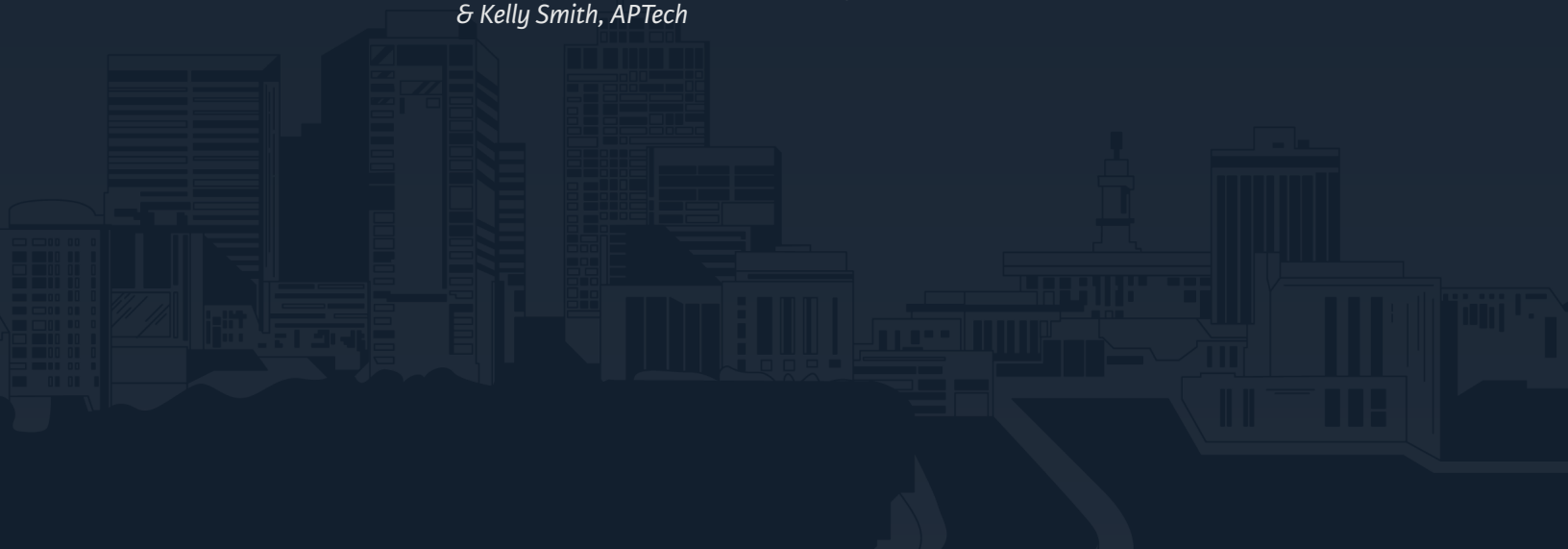
Summary of Research, Training, and Software Needs Suggestions | *All*

Consensus on Key Challenges / Issues / Roadblocks and Identification of Warranted RNS | *All*

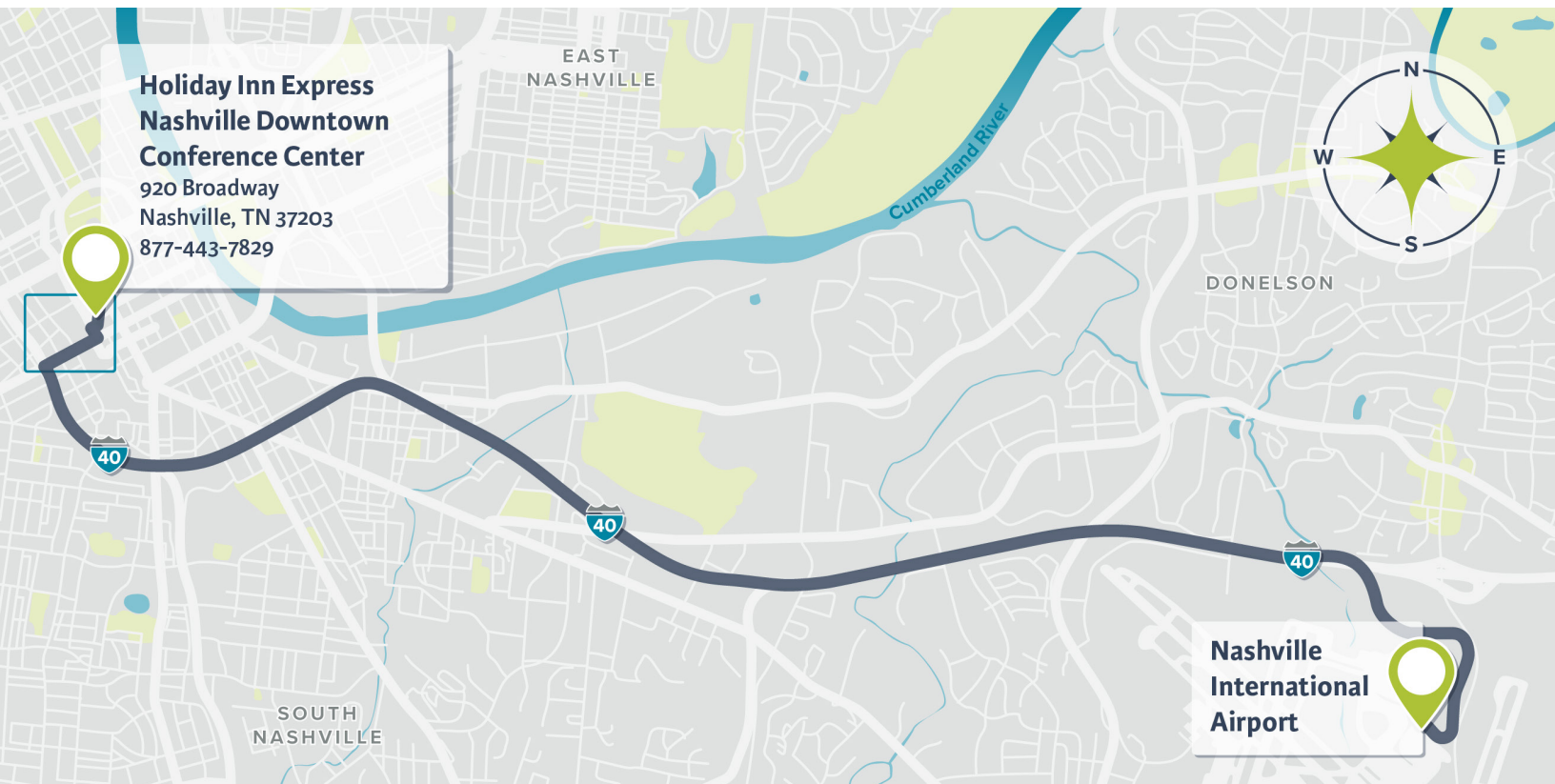
4:00–4:30 PM MEETING WRAP-UP

Discuss Key Takeaways | *All*

Meeting Evaluation and Concluding Remarks | *Linda Pierce, NCE & Kelly Smith, APTech*



AIRPORT & HOTEL INFORMATION



Registration / Reservations

Transportation from Airport to Hotel

Holiday Inn Express Nashville Downtown Conference Center is located eight miles from Nashville International Airport, at the corner of Tenth and Broadway.

TAXI: to and from downtown and the airport are a \$25 flat rate, 15 – 20 minutes.

#18 BUS: from the airport to Stop 2 at Music City Center, fare is \$1.70.

- ◆ 5 AM – 6:30 PM: Local shuttle, 35 – 45 minutes
- ◆ 6:45 PM – 11:45 PM: Express, 20 minutes

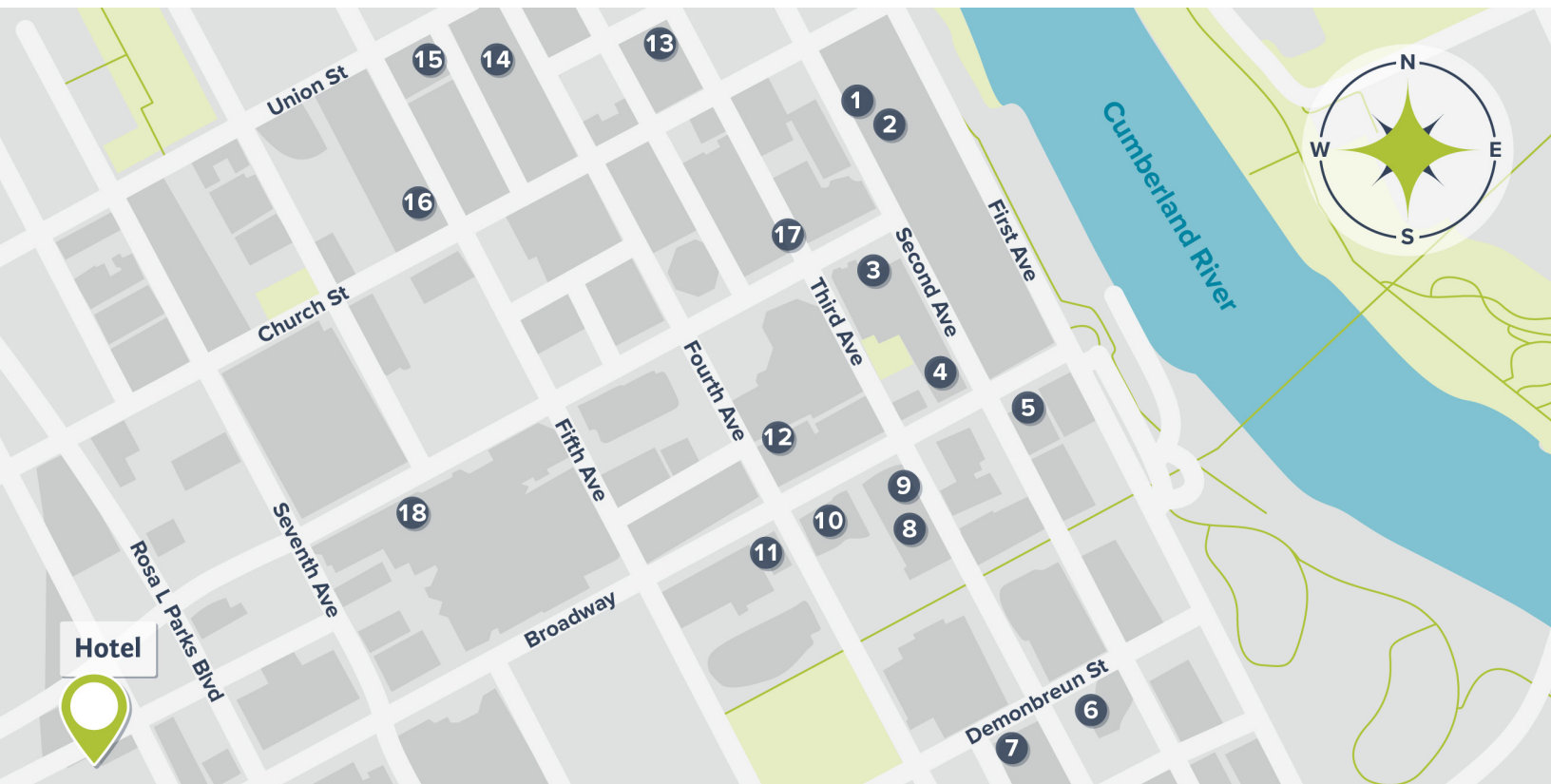
DRIVE: from the airport take I-40 West for 9 miles, take exit 209A to Broadway and hotel is on the left, 15 – 20 minutes. Onsite parking is \$30/day.



Places to Eat ↘ Near Hotel

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|--------------------------|------------------------------|
| 1 Flying Saucer | 5 Virago |
| 2 Draught Emporium | 6 Adele's Nashville |
| 3 Saint Anejo | 7 Broadway Cafe |
| 4 Kanye Prime Steakhouse | 8 Chauhan Ale & Masala House |
| 5 Whiskey Kitchen | |

PLACES TO EAT ↘ DOWNTOWN NASHVILLE



- 1 Rodizio Grill the Brazilian Steakhouse
- 2 The Melting Pot
- 3 Cerveza Jack's
- 4 Pita Pit
- 5 Rock Bottom Restaurant & Brewery
- 6 The Diner Nashville
- 7 Etch
- 8 Sun Diner
- 9 Luigi's City Pizza

- 10 Broadway Brouhouse Downtown
- 11 Merchant's Restaurant
- 12 Margaritaville Restaurant Nashville
- 13 Sea Salt
- 14 Khan's Mongolian BBQ & Sushi
- 15 417 Union
- 16 Puckett's Grocery & Restaurant
- 17 Demo's
- 18 Commerce Street Bar & Grill

