

AASHTO PAVEMENT ME NATIONAL USERS GROUP MEETING

October 11 & 12, 2017

Denver Airport Marriott at Gateway Park
East Denver, Colorado



U.S. Department of Transportation
Federal Highway Administration



The Federal Highway Administration (FHWA) is pleased to welcome you to the second 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, software updates and enhancements, falling weight deflectometer (FWD) backcalculation analysis, rehabilitation design, 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, OCTOBER 11

8:00–8:45 AM	WELCOME & INTRODUCTIONS Welcome <i>Chris Wagner, FHWA</i> Introduction & Remarks <i>John Donahue, Missouri DOT, AASHTO Subcommittee on Materials & Pavements Executive Committee, & Chair of AASHTOWare Pavement ME Design Taskforce</i> Remarks on Canadian Efforts <i>Felix Doucet, Quebec Ministry of Transportation, Canadian ME Task Force liaison</i> Review of Agenda & Meeting Goals <i>Linda Pierce, NCE & Kelly Smith, APTech</i>
8:45–9:45 AM	AGENCY IMPLEMENTATION STATUS Implementation map updates and agency reports on implementation plans, timelines, and progress <i>Linda Pierce, NCE & Kelly Smith, APTech</i>
9:45–10:00 AM	BREAK
10:00–11:00 AM	AASHTOWARE PAVEMENT ME DESIGN SOFTWARE UPDATE Announcements and news regarding latest software and purchasing/licensing <i>John Donahue, Missouri DOT</i> Software enhancements/updates, including new features/capabilities <i>Chad Becker, ARA</i> Backcalculation Module <i>Harold Von Quintus, ARA</i>
11:00 AM–NOON	AGENCY IMPLEMENTATION EXPERIENCES ME Design Implementation <i>Lydia Peddicord, Pennsylvania DOT</i> ME Design Implementation <i>Joe Tucker, Kentucky Transportation Cabinet</i>
NOON–1:15 PM	LUNCH (ON YOUR OWN)
1:15–2:15 PM	AGENCY IMPLEMENTATION EXPERIENCES (CONTINUED) Modeling Stabilized Materials <i>Affan Habib, Virginia DOT</i> Multi-Agency Effort to Prepare Data for Pavement ME Design <i>Joshua Li, Oklahoma State U.</i>
2:15–2:45 PM	REHABILITATION DESIGN Concrete Overlays <i>Halil Ceylan, Iowa State U.</i>
2:45–3:00 PM	BREAK
3:00–3:30 PM	REHABILITATION DESIGN (CONTINUED) Dynamic Modulus of Cold In-Place Recycling <i>Jay Goldbaum, Colorado DOT</i>
3:30–4:45 PM	ME RESEARCH FHWA Research Summary <i>Tom Yu, FHWA</i> NCHRP Research Summary <i>Linda Pierce, NCE</i> Top-Down Cracking Model (NCHRP 1-52) Unbound Materials (NCHRP 1-53)
4:45–5:00 PM	DAY ONE KEY TAKE-AWAYS Discuss key takeaways of day one <i>All</i>

MEETING AGENDA ✦ THURSDAY, OCTOBER 12

8:00–8:45 AM PERFORMANCE CRITERIA

Rational Basis for Establishing Performance Criteria Thresholds | *Tom Yu, FHWA*
State Perspectives on Selection of Thresholds | *State Agency Panel Discussion*

8:45–10:00 AM LOCAL CALIBRATION EXPERIENCES

Calibration of Pavement ME Design Software for Idaho | *Fouad Bayomy, U. of Idaho*
MEPDG Design Parameters for Ontario and Canada | *Warren Lee, Ontario Ministry of Transportation*
Automated Calibration Process | *John Donahue, Missouri DOT*

10:00–10:15 AM BREAK

10:15 AM–NOON SOFTWARE TRAINING

Live demonstration-based training on Design of Stabilized Bases and Semi-Rigid Pavements | *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 characterization of existing pavements, backcalculation analysis for rehabilitation design, and local calibration | *Harold Von Quintus and Chad Becker, ARA*

3:00–3:15 PM BREAK

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

Future of ME Design | *Kevin Hall, U. of Arkansas*
Additional training, software, and research needs, including future pavement ME design enhancements, additional web-based training | *All agencies*

4:00–4:30 PM CHALLENGES/ISSUES/ROADBLOCKS

Common challenges / issues / roadblocks that can be resolved at the regional level rather than by each SHA.

4:30–4:45 PM DAY TWO KEY TAKE-AWAYS

Discuss key takeaways of day two | *All*
Post-Meeting Survey Announcement
Concluding remarks

AIRPORT & HOTEL INFORMATION

Denver Airport Marriot at Gateway Park

16455 E 40th Circle
Aurora, CO 80011
303-371-4333

REGISTRATION /
RESERVATIONS

*Rate is \$178 per night
and expires Sept. 22.*

DENVER AIRPORT
MARRIOTT AT
GATEWAY PARK

40th Ave & Airport
Blvd—Gateway Park
Station Gate B



Transportation from Airport to Hotel

DRIVE: From the airport, take Peña Boulevard to E 40th Ave. Take E 40th Ave west one block to E 40th Circle. Take E 40th south one block to the Marriott, on the right. Onsite parking is \$10/day.

COMPLIMENTARY SHUTTLE: Take the Marriott's complimentary airport shuttle, which runs regularly throughout the day.

SHUTTLE INFORMATION

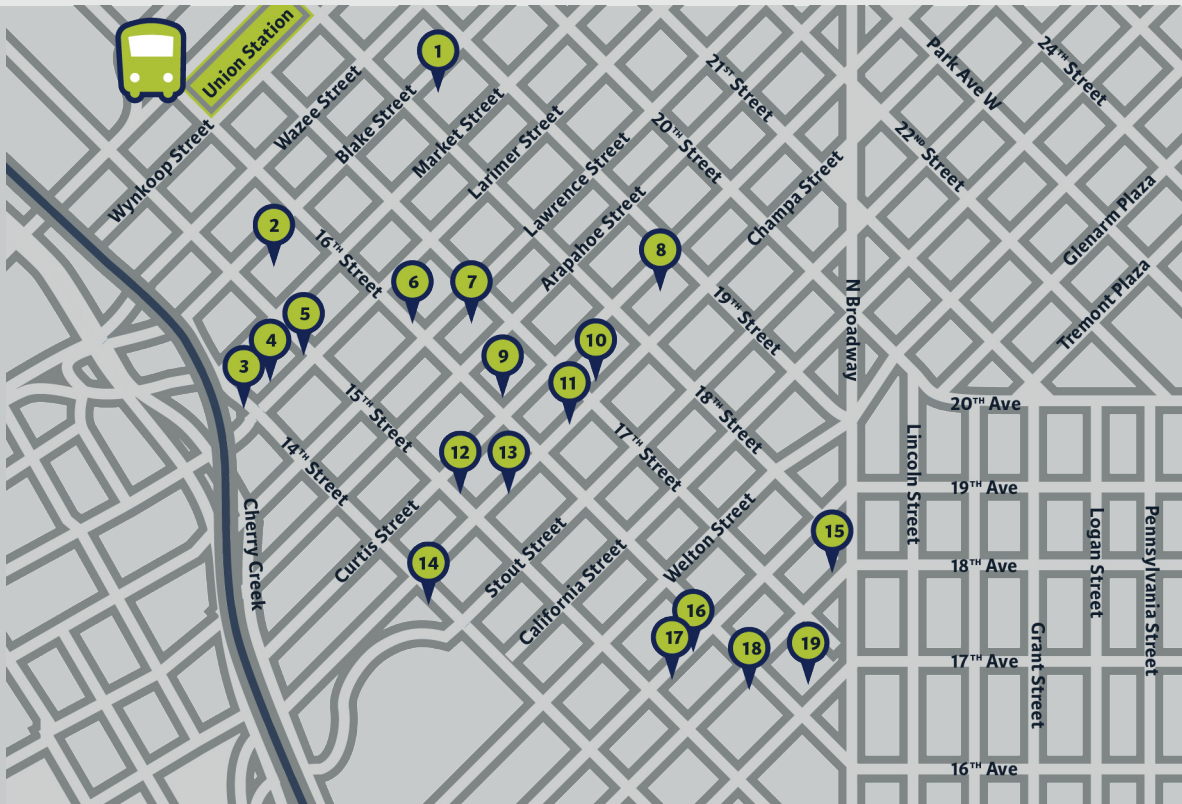
RTD LIGHT RAIL: Take the A Line RTD rail from Denver Airport Station to 40th Ave & Airport Blvd (two stops). Then take the RTD 42 bus to the 40th Ave & Airport Way (four stops).

Places to Eat ↘ Near Hotel

- 1 Jimmy John's
- 2 Thai Chili & Sushi
- 3 Urban Sombrero
- 4 Outback Steakhouse
- 5 Uno Pizzeria & Grill
- 6 Applebee's Neighborhood Bar & Grill
- 7 Ted's Montana Grill
- 8 Fire & Spice

PLACES TO EAT ↯ DOWNTOWN DENVER

Take the A Line RTD Rail from 40th Ave & Airport Blvd to Union Station.



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| 1 Vesta | 11 Range Restaurant |
| 2 Freshcraft | 12 Sam's No. 3 |
| 3 Euclid Hall | 13 Little India Champa |
| 4 Rioja | 14 Pizza Republica |
| 5 Osteria Marco | 15 La Loma |
| 6 Mellow Mushroom Pizza | 16 Maggiano's Little Italy |
| 7 The Palm Denver | 17 5280 Burger Bar |
| 8 Urban Roadhouse | 18 Yard House |
| 9 Rock Bottom | 19 The Delectable Egg |
| 10 Panzano | |

