2019 NATIONAL RESEARCH ADVISORY COMMITTEE AND TRB STATE REPRESENTATIVES MEETING AGENDA

July 22–25, 2019
Santa Fe, New Mexico
SUNDAY, JULY 21, 2019

1:00 p.m.–6:00 p.m.
Registration Open
Palace Ballroom

4:30 p.m.–6:30 p.m.
TRB Conduct of Research Committee & TRB Technology Transfer Committee
Palace A
By Invitation Only

MONDAY, JULY 22

7:00 a.m.–8:00 a.m.
Networking Breakfast
in the Mezzanine–Main Hotel 2nd Floor
Included with hotel stay

8:00 a.m.–9:00 a.m.
Welcome and Introductions
O’Keefe Room–separate building from main hotel

Presenters
Howie Morales, New Mexico Lieutenant Governor
Mike Sandoval, Cabinet Secretary, New Mexico DOT
J. Don Martinez, Division Administrator FHWA
New Mexico Division

9:00 a.m.–9:30 a.m.
Interactive Ideas Solicitation
O’Keefe Room
Introduction to smart phone feedback app, and solicitation of questions for “View from the TOP—Interactive Ideas Discussion” (12:30 p.m.–1:00 p.m.)

Moderator
Wade Odell, Texas DOT

9:30 a.m.–10:00 a.m.
Morning Break and Sweet 16 Poster Session 1
Mezzanine/Pre-Function Palace Ballroom

Poster Presenters
HIGH-VALUE RESEARCH:
- Connecticut DOT, Pedestrian Safety Guide
- New Jersey DOT, New Protocol for Accepting Over-Coating Paint on Steel
- Vermont DOT, VTrans Employee Retention and Knowledge Management Study
- Massachusetts DOT, Performance of Adhesive and Cementitious Anchoring Systems

SAFETY PROJECT:
- NETC Quick Response, Connected and Automated Vehicle Cross Border Issues

SUPPLEMENTARY BRIDGE PROJECTS:
- New Hampshire DOT, Gusset-Less Truss Connection Model
- NETC Quick Response, 13-3 Phase II Implementation Plan for QA Processes of Precast and Prestressed Concrete Elements

10:00 a.m.–11:30 a.m.
View from the TOP
O’Keefe Room
Updates on key activities and initiatives from U.S. DOT, TRB, AASHTO, FHWA, and AASHTO R&I. Brief updates from each.

Moderator
Wade Odell, Texas DOT

Presenters
King Gee, AASHTO Director of Engineering & Technical Services
Brian Ness, Idaho Transportation Department, Chair of AASHTO Special Committee on Research and Innovation (R&I)
Neil Pedersen, Executive Director, TRB
Hari Kalla, Director Turner-Fairbank FHWA
Alasdair Cain, Director of Research, Development and Technology Coordination with OST-R

11:30 a.m.–12:30 p.m.
Lunch
Mezzanine–Main Hotel 2nd Floor
12:30 p.m.–1:30 p.m.  
**View from the TOP—Interactive Ideas Discussion. An interactive Q&A session and panel discussion**  
*O’Keefe Room*  
**Moderator**  
Wade Odell, Texas DOT  
**Presenters**  
King Gee, AASHTO Director of Engineering & Technical Services  
Brian Ness, Idaho Transportation Department, Chair of AASHTO Special Committee on Research and Innovation (R&I)  
Neil Pedersen, Executive Director, TRB  
Hari Kalla, Director Turner-Fairbank FHWA  
Alasdair Cain, Director of Research, Development and Technology Coordination with OST-R

1:30 p.m.–2:00 p.m.  
**NCHRP Implementation Fund Use Case**  
*O’Keefe Room*  
An overview of the NCHRP Implementation Program, followed by a presentation by MassDOT on how they used and benefited from NCHRP implementation funds.  
**Presenters**  
Sid Mohan, TRB Implementation Program Manager  
Steve Woelfel, Massachusetts DOT

2:00 p.m.–3:00 p.m.  
**Your Role in RAC**  
*O’Keefe Room*  
This is an interactive session designed for all members of AASHTO RAC. The purpose of the session is to share information and best practices.  
**Moderator**  
Allison Hardt, Maryland DOT  
**Presenters**  
Sue Sillick, Montana DOT  
Brian Worrel, Iowa DOT

3:00 p.m.–3:30 p.m.  
**Afternoon Break and Sweet 16 Poster Session 2**  
*Mezzanine/Pre-Function Palace Ballroom*  
**Poster Presenters**  
- Arkansas DOT, Mapping Subsurface Conditions for Transportation Applications  
- Georgia DOT, Human Resource (HR) Data Tool: Modular System for Supporting Transportation-HR Planning and Decision Making  
- Florida DOT, Development of Wrong-Way Driving (WWD) Countermeasure Implementation Plan  
- South Carolina DOT, Implementation of the U.S. Geological Survey’s StreamStats Application for SCDOT

3:30 p.m.–5:00 p.m.  
**The National Transportation Knowledge Network**  
*O’Keefe Room*  
NTKN members provide an overview of current collaborative activities and projects. Topics include NTKN update, Public Access, 508 Compliance, and the Transportation Research and Connectivity pooled fund study. Discussion will follow the presentations.  
**Moderator**  
Mary Moulton, Digital Librarian, Office of Information & Library Sciences, U.S. DOT
Presenters
Bob Sweet, Secretary, National Transportation Knowledge Network
Leighton Christiansen, Data Curator, National Transportation Library, U.S. DOT
Enid White, Research Manager, Wyoming DOT
Jennifer Harper, Research Engineer, Missouri DOT

5:00 p.m.–6:00 p.m.
Welcome & Networking Reception
Rooftop Main Hotel

TUESDAY, JULY 23

7:00 a.m.–8:00 a.m.
Networking Breakfast
in the Mezzanine—Main Hotel 2nd Floor
Included with hotel stay

7:00 a.m.–8:00 a.m.
Website Working Group
Palace A

8:00 a.m.–9:45 a.m.
Breakout Sessions—RAC Task Forces 1
Administration
Palace A
Coordination and Collaboration
Palace B

9:45 a.m.–10:15 a.m.
Morning Break and Sweet 16 Poster Session 3
Mezzanine/Pre-Function Palace Ballroom
Poster Presenters
- Illinois DOT, Ultrasonic Imaging for Concrete Infrastructure Condition Assessment and Quality Assurance
- Minnesota DOT, Affordable Bridge Girder End Repair Method Restores Concrete Beams to Original Strength
- Kansas DOT, Development of a Load Distribution Program for Design and Load Rating of Buried Culverts and Pipes
- Missouri DOT Impact of Missouri’s Public Ports

SAFETY PROJECTS:
- Iowa DOT, Virtual Reality Implementation for Public Engagement
- Michigan DOT, The Sidepath Intersection and Crossing Treatment Guide

STRUCTURES & HYDRAULICS PROJECTS:
- Michigan DOT, Development of Secondary Route Bridge Design Plan Guide Drawings
- Iowa DOT, UHPC for Bridge Deck Overlays

10:15 a.m.–Noon
Breakout Sessions—RAC Task Forces 2
Program Management and Quality
Palace A

Noon–1:00 p.m.
Lunch and Sweet 16 Certificate Presentation
Mezzanine—Main Hotel 2nd Floor

1:00 p.m.–2:00 p.m.
New FHWA Guidance for SP&R Program
O’Keefe Room
FHWA staff will provide a brief presentation on the changes included in the new FHWA Guidance for the SP&R Program and open up a Q&A session. The purpose of the revised guidance is to assist State Departments of Transportation and FHWA staff in implementing the regulations contained in 23 CFR Part 420, Subpart B Research, Development, and Technology (RD&T) Transfer Program Management.

Presenters
Jack Jernigan, Team Director, Research and Technology Program Development and Partnership Team
David Pamplin, Program Manager, Transportation Pooled Fund Program
2:00 p.m.–2:45 p.m.  
**Innovation Community of Practice Meeting**  
**O’Keefe Room**  
AASHTO recently established a new community of practice (CoP) for innovation staff at state DOTs. This is an organizational meeting to discuss the group’s future direction.

2:45 p.m.–3:15 p.m.  
**Afternoon Break and Sweet 16 Poster Session 4**  
**Mezzanine/Pre-Function Palace Ballroom**

**Poster Presenters**

**HIGH-VALUE RESEARCH:**
- Idaho DOT, *Effectiveness of High-Early Strength Concrete as a Cost-Effective Alternative for Connection of Precast Elements in Accelerated Bridge Construction*
- New Mexico, *Free Energy Solar Highway Program*
- Texas DOT, *Exploring Rapid Repair Methods for Embankment Slope Failure*
- Utah DOT, *Simplified SPT Performance-based Assessment of Liquefaction and Effects*

**SAFETY PROJECT:**
- Nevada DOT, *Prioritization of Wildlife-Vehicle Conflict in Nevada*

**BRIDGES AND STRUCTURES PROJECT:**
- Montana, DOT, *Investigation of Prefabricated Steel Truss/Bridge Deck Systems*

3:15 p.m.–4:00 p.m.  
**Innovation Community of Practice Meeting—Continued**  
**O’Keefe Room**  
AASHTO recently established a new community of practice (CoP) for innovation staff at state DOTs. This is an organizational meeting to discuss the group’s future direction.

4:00 p.m.–5:00 p.m.  
**Breakout Sessions–Regional Meetings and Continued Innovation Meeting**

**Region 1**  
**Palace A Mezzanine Level**

**Region 2**  
**Palace B Mezzanine Level**

**Region 3**  
**Lamy—Building off lobby**

**Region 4**  
**Meem—Building off lobby**

**Independent Innovation Community of Practice**

**O’Keefe Room**
Breakout Session for COP members that operate within DOT organizational structures not traditionally tied to RAC.

5:30 p.m.  
**RAC Dinner at Osteria D’Assisi**  
58 S Federal Pl, Santa Fe, NM 87501

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**WEDNESDAY, JULY 24**

7:00 a.m.–8:00 a.m.  
**Networking Breakfast in the Mezzanine—Main Hotel 2nd Floor**  
Included with hotel stay

8:00 a.m.–9:30 a.m.  
**Mainstreaming Research Implementation**  
**O’Keefe Room**
This session will be an interactive panel discussion of selected state DOT representatives who will address questions related to the implementation of research findings. The discussion will focus on two overriding questions: (1) How do we institutionalize implementation (i.e., make it part of the normal process)? and (2) How do we effectively and consistently document and track the implementation of research?
2019 NATIONAL RESEARCH ADVISORY COMMITTEE AND TRB STATE REPRESENTATIVES

Moderator
Joe Crabtree, Kentucky Transportation Center

Presenters
Binh Bui, Georgia DOT
Phillip Hempel, Texas DOT
Hafiz Munir, Minnesota DOT
Tommy Nantung, Indiana DOT
Emily Parkany, Vermont DOT
Ann Scholany, New Hampshire DOT
Sue Sillick, Montana DOT
Jarrod Stanley, Kentucky Transportation Cabinet

9:30 a.m.–10:00 a.m.
**Morning Break and Pooled Funds Poster Session**

Mezzanine/Pre-Function Palace Ballroom

Learn more about selected proposed and active pooled-fund projects.

**Featured Posters:**
- Information about Iowa-led, pooled-fund projects, Iowa DOT
- Enhanced Traffic Signal Performance Measures, Indiana DOT
- Western Alliance for Quality Transportation Construction (WAQTC), Utah DOT
- Applications of GIS for Transportation, Guidance for a National Transportation Framework (AEGIST), FHWA
- Improving the Quality of Pavement Surface Distress and Transverse Profile Data Collection and Analysis, FHWA
- Moving Forward for the Next Generation Travel Behavior Data Collection and Processing, FHWA
- Evaluating New Technologies for Roads Program Initiatives in Safety and Efficiency (Enterprise), Phase 2, CTC & Associates
- New England Transportation Consortium, CTC & Associates

10:00 a.m.–Noon
**RAC/Innovation Community of Practice Joint Session 2**

O’Keefe Room

R & I Strategic Plan and Actions and AASHTO Innovation Initiative

Moderator
Ned Parrish, Idaho Transportation Department

Presenters
Brian Ness, Director, Idaho Transportation Department and Chair, AASHTO Special Committee on Research and Innovation
George McAuley, Chair, AASHTO Innovation Initiative (AII)
Tom Harman, Director, FHWA Center for Accelerating Innovation
TBD, AASHTO Innovation Community of Practice Representative
Brian Hirt, Managing Director, CTC & Associates—No Boundaries Pooled Fund
Charlene McArthur, Chief Administrative Officer, Idaho Transportation Department

Noon–1:00 p.m.
**Lunch**

Mezzanine—Main Hotel 2nd Floor

1:00 p.m.–2:30 p.m.
**TRB Session**

O’Keefe Room

This session includes two presentations including a TRB Technical Activities Division update, and a presentation on the Future Interstate Study.

Presenters
Ann Brach, Director, Technical Activities Division
Monica Starnes, Senior Program Officer, Consensus and Advisory Studies

2:30 p.m.–3:00 p.m.
**Afternoon Break and Pooled Funds Poster Session**

Mezzanine/Pre-Function Palace Ballroom

Learn more about selected proposed and active pooled-fund projects.
MEETING AGENDA

THURSDAY, JULY 25

7:00 a.m.–8:00 a.m.
Networking Breakfast
in the Mezzanine—Main Hotel 2nd Floor
Included with hotel stay

8:00 a.m.–8:45 a.m.
TASK Force Reports
O’Keefe Room
Each RAC taskforce will provide a briefing of the upcoming work for the year and highlight any work or requests of the regions.

Presenters
Allison Hardt, Admin Taskforce
Cameron Kergaye, Coordination and Collaboration
Joe Horton, Program Management and Quality
Anne Freeman, Value of Research

8:45 a.m.–9:30 a.m.
Regional Reports
O’Keefe Room

Presenters
Emily Parkany, RAC1
Michelle Owens, RAC2
Brian Worrel, RAC3
Ken Chambers, RAC 4

9:30 a.m.–9:45 a.m.
Invitation to 2020 RAC Meeting
O’Keefe Room

Presenter
Emily Parkany, Vermont AOT
Lily Oliver, Massachusetts DOT

9:45 a.m.–10:00 a.m.
Morning Break
O’Keefe Room/Pre-Function Palace Ballroom

Thursday, July 25

3:00 p.m.–5:00 p.m.
TRB Session (Continued)
O’Keefe Room
TRB will provide an overview for state representatives on several topics. Presentations will cover: the Minority Student Fellows Program/Student Engagement; Standing Committee on Impacts on Transportation; TRB State Visits, including a History and Path for the future; and Cooperative Research Programs Update including the status of “Ahead of the Curve”

Presenters
Claire Randall, Senior Program Officer, Technical Activities
James Bryant, Senior Program Officer, Technical Activities
Chris Hedges, Director, Cooperative Research Programs
Lori Sundstrom, Deputy Director, Cooperative Research Programs and Manager, NCHRP

5:30 p.m.
Regional Dinners
Off-site TBD

Featured Posters:
- Center for Aging Infrastructure: Steel Bridge Research, Inspection, Training and Education Engineering Center—SBRITE, Indiana DOT
- Traffic Safety Culture, Phase 2, Montana DOT
- Wildlife Vehicle Collision Reduction and Habitat Connectivity, Nevada DOT
- Behavior of Reinforced and Unreinforced Lightweight Cellular Concrete for Retaining Walls, Utah DOT
- Clear Roads, Phase 2, CTC & Associates
- No Boundaries Transportation Maintenance Innovations, CTC & Associates
- Transportation Research and Connectivity, Oklahoma DOT
- Roadside Safety Pooled Fund Project, Texas DOT/Washington DOT

3:00 p.m.–5:00 p.m.
TRB Session (Continued)
O’Keefe Room
TRB will provide an overview for state representatives on several topics. Presentations will cover: the Minority Student Fellows Program/Student Engagement; Standing Committee on Impacts on Transportation; TRB State Visits, including a History and Path for the future; and Cooperative Research Programs Update including the status of “Ahead of the Curve”

Presenters
Claire Randall, Senior Program Officer, Technical Activities
James Bryant, Senior Program Officer, Technical Activities
Chris Hedges, Director, Cooperative Research Programs
Lori Sundstrom, Deputy Director, Cooperative Research Programs and Manager, NCHRP

5:30 p.m.
Regional Dinners
Off-site TBD
10:00 a.m.–11:45 a.m.  
**RAC & CUTC Collaborating Session**  
*O’Keefe Room*  
A joint session with CUTC representatives covering success stories and DOT opportunities  
**Moderator**  
David Ooten, Oklahoma DOT  
**Presenters**  
Emily Parkany, Vermont AOT  
Tyson Rupnow, Louisiana DOTD  
Brian Worrel, Iowa DOT  
David Hadwiger, New Mexico DOT

11:45 a.m.–12:30 p.m.  
**Closing Lunch**  
Mezzanine—Main Hotel 2nd Floor

12:30 p.m.–1:30 p.m.  
**RAC Leadership Meeting**  
Palace A
Question today
Imagine tomorrow
Create for the future

Signature bridge includes pedestrian and bike lanes that link to the city’s network of pedestrian trails.

73 lane-miles of new roadway and nearly 40 bridges make up the complex Dallas Horseshoe.

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Dallas Horseshoe
Client: Pegasus Link Constructors and Texas Department of Transportation
WSP’s Role: Lead Designer

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2019 NATIONAL RESEARCH ADVISORY COMMITTEE
AND TRB STATE REPRESENTATIVES

MEETING AGENDA

DRURY PLAZA HOTEL SANTA FE: Site Illustrative

SCALE: 1"=20'

CATHEDRAL PARK
PROMENADE
ROOFTOP TERRACE
ROOFTOP POOL
BAR ALTO
ELÓISA

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PALACE BALLROOM 2nd Floor
BOARDROOM 3rd Floor
RIVERA A & B 1st Floor
GARDEN
LAMY ROOM 2nd Floor
MEEM ROOM 1st Floor

13
14
15

PARKING GARAGE
O’KEEFFE ROOM
HOTEL ENTRANCE

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The Drury Plaza Hotel in Santa Fe features more than 21,000 square feet of meeting and banquet space, both inside and out. Flexible spaces and free Wi-Fi throughout the property, makes the Drury Plaza Hotel the perfect location for your next event!

For more information on planning your next meeting or event, please contact our on-site Sales Coordinators at:

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Hotel Floor Plan

* Capacities can vary based on room set up, audio/visual needs, staging and dance floor. ** O’Keeffe round tables seat 12

Special setups available upon request, capacities may vary.