

2013

July 14–18, 2013

Baton Rouge, Louisiana
Hilton Capitol Center

AASHTO Research Advisory Committee and TRB State Representatives Annual Meeting



Transportation Research 2013 and Beyond:
Collaboration, Management & Deployment

AASHTO
THE VOICE OF TRANSPORTATION

SCOR  RAC

TRB TRANSPORTATION
RESEARCH BOARD
OF THE NATIONAL ACADEMIES

DOTD
LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT



Welcome to Louisiana!



RAC Region 2 and the Louisiana Department of Transportation and Development welcome you to the 2013 meeting of AASHTO's Research Advisory Committee and TRB State Representatives.

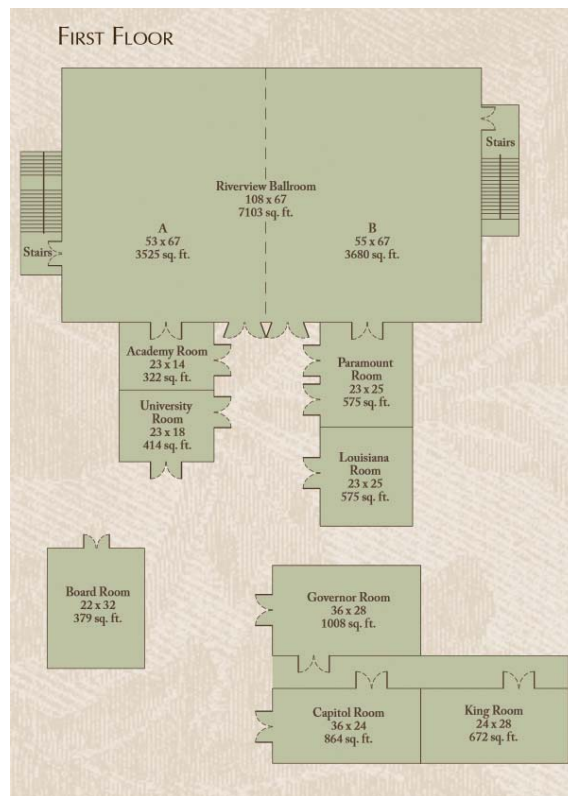
We have planned an exciting agenda on research collaboration, management, and deployment issues that we believe you will find rewarding. You will also have the opportunity to hear from national leaders, learn best practices, and network with your peers from other states.

If you have questions or need anything during your stay, please find any of us from LADOTD. We hope you have a great stay in Louisiana's capital city. Enjoy the conference!

Special thanks to our meeting sponsors:



Hilton Capitol Center



Transportation Research 2013 and Beyond: Collaboration, Management & Deployment

Monday, July 15

7:00 a.m. – 8:00 a.m.

Networking Breakfast, Riverview A

8:00 a.m. – 10:00 a.m.

RAC/CUTC Collaboration Meeting, Riverview B

This session brings together state DOT and University research staff to discuss issues of common interest and opportunities to collaborate.

Moderator: Skip Paul, Louisiana DOTD

Panelists:

- » Work Plan Status Update, Martin Pietrucha, Penn State University & Dale Peabody, Maine DOT
- » Changes to UTC Competition Rules, Billy Connor, University of Alaska Fairbanks & Richard Long, University of Florida
- » Workforce Development, Shashi Nambisan, Iowa State University & Darryll Dockstader, Florida DOT
- » Additions to Work Plan, Martin Pietrucha, Penn State University & Dale Peabody, Maine DOT

10:00 a.m. – 10:30 a.m.

Break, Riverview A

10:30 a.m. – 12:00 p.m.

Research Advisory Committee (RAC) 101, Riverview B

This session is designed for relatively new RAC members, although all conference participants are strongly encouraged to attend to pick up new information. The purpose of the session is to provide an overview of DOT Research Program responsibilities and national transportation research programs. There will be ample opportunities for participants to ask questions of the panelists.

Moderator: Allison Hardt, Maryland State Highway Administration

Panelists:

- » Introduction and Mentoring, Dale Peabody, Maine DOT
- » SCOR/RAC Website/New Members Handbook, Amy Schutzbach, Illinois DOT
- » RAC Task Forces, David Jared, Georgia DOT
- » Peer Exchanges, Camille Crichton-Summers, New Jersey DOT
- » Transportation Pooled Fund, Christopher Jolly, FHWA
- » TRB Cooperative Research Programs and Information Databases, Chris Hedges, TRB
- » Seven Keys, Cynthia Gerst, Ohio DOT
- » TRB State Reps, Mark Norman, TRB

12:00 p.m. – 1:00 p.m.

Lunch, Riverview A

1:00 p.m. – 2:30 p.m.

Task Force Meetings (Concurrent)

Administration & Education Task Force, Governor Room

This task force is involved in a variety of issues such as updating RAC bylaws and managing/updating the contents of the RAC/SCOR website. The TF is also involved in providing resources to assist new staff in understanding the roles and responsibilities of RAC managers. The meeting is open to all who have an interest in the topic.

Co-Chairs: Steve Pepin, Massachusetts DOT, & Allison Hardt, Maryland State Highway Administration

Value of Research Task Force Meeting, Capitol Room

This task force focuses on efforts to document and communicate the value of research to our organizations and the public. The meeting is open to all who have an interest in the topic.

Co-Chairs: Mark Morvant, Louisiana DOTD & Linda Taylor, Minnesota DOT

Coordination and Collaboration Task Force Meeting, Paramount Room

This task force works to encourage collaboration between various organizations involved in transportation research. The meeting is open to all who have an interest in the topic.

Co-Chairs: Sue Sillick, Montana DOT & Anne Ellis, Arizona DOT

2:30 p.m. – 3:00 p.m.

Break, Riverview A

3:00 p.m. – 4:00 p.m.

Task Force Meetings (Concurrent)

Program Management and Quality Task Force Meeting, Governor Room

This task force seeks to encourage adoption of best program management practices by state DOT Research Programs. The meeting is open to all who have an interest in the topic.

Co-Chairs: Michael Bonini, Penn DOT & David Jared, Georgia DOT

continued

*Transportation Knowledge Network Task Force Meeting,
Capitol Room*

This task force is working to develop and encourage adoption of best practices for preserving and sharing transportation knowledge. The meeting is open to all who have an interest in the topic.

Chair: Leni Oman, Washington DOT

5:00 p.m. – 7:00 p.m.

Welcome Reception, Heidelberg (10th Floor)

This session is an opportunity to network with other meeting participants and share best practices, innovative ideas, and collaboration opportunities about transportation research. Light hors d'oeuvres and cash bar.

Tuesday, July 16

7:00 a.m. – 8:00 a.m.

Networking Breakfast, Riverview A

8:00 a.m. – 9:15 a.m.

Opening Session, Riverview B

This session will include welcoming remarks from the Chair of the AASHTO Research Advisory Committee and from our host state. Representatives of national organizations will provide updates on their activities related to transportation research.

Moderator: David Jared, Georgia DOT

Panelists:

- » Sherri LeBas, Louisiana DOTD
- » Harold Paul, Louisiana DOTD
- » Robert Skinner, TRB
- » Mike Trentacoste, FHWA
- » Jim McDonnell, AASHTO

9:15 a.m. – 9:45 a.m.

Break & Exhibit Area Open, Riverview A

9:45 a.m. – 12:00 p.m.

SHRP 2 Update, Riverview B

This session will include an overview of the SHRP2 program, updates on select SHRP2 projects (conduct/implementation), and a general implementation update.

Moderator: Dave Huft, South Dakota DOT

Panelists:

- » SHRP 2 Program Update, Ann Brach, AASHTO
- » Organizing Transportation to Improve Reliability, John Conrad, CH2M Hill
- » Integrating Conservation, Highway Planning and Environmental Review, Shari Shaftlein, FHWA
- » Preservation Guidelines for High Traffic Volume Roads, Kelly L. Smith, APTech
- » SHRP 2 Safety Update, Monique Evans, FHWA

12:00 p.m. – 1:00 p.m.

Lunch, Riverview A

Speaker: Bud Wright, AASHTO

1:00 p.m. – 2:00 p.m.

SHRP2 Coordination / Collaboration Roundtable, Riverview B

This session will allow attendees to ask the agencies leading SHRP2 implementation questions regarding coordination and collaboration therein.

Moderator: Skip Paul, Louisiana DOTD

Panelists:

- » Neil Pedersen, TRB
- » Pam Hutton, AASHTO
- » Mike Trentacoste, FHWA
- » Gavin Gautreau, Louisiana DOTD

2:00 p.m. – 2:30 p.m.

Break & Exhibit Area Open, Riverview A

2:30 p.m. – 4:15 p.m.

High Value Research Sweet Sixteen, Riverview B

This session will include quick-hitting presentations on the top 16 picks and more from our annual High Value Research Project submissions with emphasis on the benefits of the research and implementation strategies.

Moderator: Mark Morvant, Louisiana DOT

Panelists:

- » Accident Risk Analysis Tool
Coco Briseno, California DOT
- » Aging Driver and Pedestrian Safety:
Human Factors Studies
Darryll Dockstader, Florida DOT
- » Analysis and Methods of Improvements of Safety at
High-Speed Rural Intersections
Tommy Nantung, Indiana DOT
- » Best Practices for Implementation of Tack Coat
TRP Recommendations
Amy Schutzbach, Illinois DOT
- » Design, Construction and Monitoring of Roller Compacted
Concrete Pavement in the FSP
Sarah Tamayo, Arkansas DOT
- » Elimination of Weight Restriction on Amtrak,
NJ Transit, and Conrail Lines
Camille Crichton-Sumners, New Jersey DOT
- » Energy Management Program for SDDOT
Dave Huft, South Dakota DOT
- » Evaluation of the RapidAir 457 Air Void Analyzer
Peggi Knight, Iowa DOT
- » Identifying Characteristics of High-Risk Intersections
for Pedestrians and Cyclists
Cameron Kergaye, Utah DOT
- » Impact of Non-Freeway Rumble Strips – Phase 1
Michael Townley, Michigan DOT
- » Innovative Bicycle Facility Research and Analysis
Stephanie Dock, District DOT

Wednesday, July 17

7:00 a.m. – 8:00 a.m.

Networking Breakfast, Riverview A

8:00 a.m. – 9:45 a.m.

TRB State Representatives Meeting (Part 1): Transportation Research Funding in Three Acts, Riverview B

Moderator: Skip Paul, Louisiana DOTD

Sources of Transportation Research Funding
Leni Oman, Washington DOT

Where does transportation research funding come from? This presentation will provide a brief history of transportation research funding and summarize current funding sources.

Managing Research

Amy Schutzbach, Illinois DOT & Skip Paul, Louisiana DOTD

State Planning and Research Part 2 can be used as source of funding for many activities. This presentation provides a focused look at those activities and management considerations. It will also briefly address opportunities to leverage resources and partnerships.

Finding Funding for Research: Competitive Funding
Sue Sillick, Montana DOT

There are many sources of funding available for research. But how does one find them and determine which source fits the research need? This presentation provides an introduction and overview of the *Research Funding Guide*, including where to find it, how to use it, and how the content is maintained.

9:45 a.m. – 10:15 a.m.

Break & Exhibit Area Open, Riverview A

10:15 a.m. – 11:45 a.m.

TRB State Representatives Meeting (Part 2):
Getting the Most out of the State DOT-TRB
Partnership, Riverview B

Moderator: Skip Paul, Louisiana DOTD &
Mark Norman, TRB

Venue for 2015 TRB Annual Meeting
Mark Norman, TRB

To accommodate the ever-increasing size of the program and attendance, the TRB Annual Meeting will be held at the Walter E. Washington Convention Center in Washington, DC, beginning in 2015. Opportunities for interdisciplinary and multimodal exchange of information, and program efficiencies will be discussed.

TRB Training Program: Ahead of the Curve
Cynthia Gerst, Ohio DOT

A status report on the new TRB initiative intended raise the profile of research program managers and to help them master the management of transportation research and innovation.

- » Louisiana Legislature Acts on Research to Add Additional Axle to Overloaded Sugar Cane Trucks
Bill King, Louisiana DOTD
- » Recommended Guide for Next Generation of Transportation Design-Build Procurement and Contracting in Georgia
David Jared, Georgia DOT
- » Use of Moisture Induced Stress Testing to Evaluate Stripping Potential of Hot Mix Asphalt (HMA)
Dale Peabody, Maine DOT
- » Use of Streaming Media and Digital Media Technologies at CTDOT
James A. Fallon, Connecticut DOT
- » Variable Speed Limit System for I-80
Elk Mountain, Wyoming, Corridor
Timothy McDowell, Wyoming DOT

4:15 p.m. – 4:45 p.m.

Break & Exhibit Area Open, Riverview A

4:45 p.m. – 9:00 p.m.

Banquet (meet in the hotel lobby to board bus)

The buses will depart the Hilton beginning at 5 p.m. for a 45 minute drive to the Houmas House. Houmas House grounds and gardens will be open for all attendees. For those wishing to participate in the guided tour of Houmas House, the tour will begin at 6 p.m. and take approximately one hour and is an additional \$15 fee. House tour participants should plan to use the first bus. A opening reception will be in the first floor of the Main House. Dinner will begin 7:30 pm in the Neptune Ballroom. Times are subject to change depending on participation in the house tour.

Driving Directions from Baton Rouge to Houmas House (approximately 3/4 hour driving time): Take Interstate - 10 East to Gonzales. Take Exit 179 (Hwy 44). Turn right off the exit onto Hwy 44 and proceed past Pelican Point Homes and Golf Club, across the intersection with LA Hwy 22. After you cross HWY 22, go about a half mile and turn right at the levee onto River Road. Houmas House is on your right in less than a half mile. Enter the parking area on the far side of the property just past the white fence along the front of the property.

continued

Committee Research Coordinators
Sue Sillick, Montana DOT

An update on the Back to Basics initiative and the establishment of the role of Committee Research Coordinator for TRB standing committees.

Understanding the Difference between TRB State Representatives and RAC Members
Anne Ellis, Arizona DOT

Many TRB State Representatives are also RAC Members. This discussion will explain the differences in responsibilities of the two roles.

Helping State DOTs Get the Most Out of the TRB Annual Meeting

Mark Norman, TRB; Anne Ellis, Arizona DOT; Michael Townley, Michigan DOT & Linda Taylor, Minnesota DOT

This presentation is designed to help TRB State Representatives understand all that the TRB Annual Meeting has to offer their organizations. Demonstrations of the AMOnline, the online Interactive Program, and the TRB Annual Meeting App will be included.

Electronic Dissemination of TRB Publications to State DOTs
Mark Norman, TRB

An update on the options available to the state DOTs for electronic dissemination for TRB Publications.

Online Resources for TRB State Reps
Michael DeCarmine, TRB

A demonstration on the use of various online resources, including the main TRB website, TRB State Representatives resource webpage, Online Directory, and the TRB webinar series.

11:45 a.m. – 1:00 p.m.
Lunch/High Value Research Awards, Riverview A

1:00 p.m. – 2:30 p.m.
Attributes of Successful Research Programs, Riverview B

This session will focus on the question of what makes a research program successful. What are the attributes that a research program should have in order to maximize the probability of success? Panelists will share their stories of how they developed or enhanced those attributes and how those attributes contribute to their programs' success.

Panelists:

- » Implementation and the Value of Research, Jimmy White, Virginia DOT
- » Agency-wide Involvement and Participation in the Research Program, Peggi Knight, Iowa DOT
- » Creating and Measuring Customer Satisfaction, Linda Taylor, Minnesota DOT

2:30 p.m. – 3:00 p.m.
Break & Exhibit Area Open, Riverview A

3:00 p.m. – 5:00 p.m.
Regional Business Meetings (Concurrent)

Region 1 Business Meeting, Governor Room
Coordinator: Camille Crichton-Summers

Region 2 Business Meeting, Capitol Room
Coordinator: David Jared

Region 3 Business Meeting, Louisiana Room
Coordinator: Amy M. Schutzbach

Region 4 Business Meeting, Paramount Room
Coordinator: Anne Ellis

5:30 p.m. – 9:00 p.m.
Regional Dinners

Thursday, July 18

7:00 a.m. – 8:00 a.m.
Networking Breakfast, Riverview A

8:00 a.m. – 9:30 a.m.
Concurrent Sessions

Project Management and Database Systems for State Research Programs, Governor Room

Moderator: Darryll Dockstader, Florida DOT

This session will focus on successful program management and database systems that have been implemented by state DOTs to improve process efficiencies, project data archiving, and program reporting. Presentations will include the results of a recent survey on state-of-practice, management and database software examples, and lessons learned through implementation and adaption.

Panelists:

- » Managing Research with Databases and Spreadsheets Survey of State Approaches and Capabilities, Pat Casey, CTC & Associates
- » LTRC Project Management & Tracking System, Mark Morvant, Louisiana DOTD
- » MnDOT's Automated Resource Tracking System (ARTS), Linda Taylor, Minnesota DOT
- » Transportation Research Program Management Database: Lessons from a Pooled Fund Project, Leni Oman, Washington DOT

National Research Development and Deployment Initiatives, Paramount Room

Moderator: Jeffrey Brown, Alabama DOT

This session will provide an overview of new initiatives by FHWA and NCHRP to provide easier access to information and improve deployment of national research. The session will include one example of how RAC can get involved in advancing deployment of a national asset management initiative.

Panelists:

- » Communication of NCHRP Results, Crawford Jencks, TRB
- » Implementation of National Innovations & Research Results, Michael Bonini, Pennsylvania DOT
- » Transportation Asset Management Requirements in MAP-21, Michael Bridges, Louisiana DOTD
- » Evaluating Implementation of NCHRP Products: Views of Panel Members and Research Directors, Pat Casey, CTC & Associates

9:30 a.m. – 10:00 a.m.

Break, Riverview A

10:00 a.m. – 11:30 a.m.

Task Force & Regional Business Reports, Riverview B

This session will highlight the current activities, recent successes, and future plans of the RAC Task Forces and RAC Regional Groups.

Moderator: Dale Peabody, Maine DOT & RAC Vice Chair

11:30 a.m. – 11:45 a.m.

Invitation to Wisconsin: 2014 AASHTO RAC/TRB State Reps Meeting, Riverview B

This session will provide an opportunity to hand-off the annual meeting responsibilities to Region 3 and the 2014 host state DOT.

Moderator: Dale Peabody, Maine DOT & RAC Vice Chair

Panelist: Daniel Yeh, Wisconsin DOT

11:45 a.m. – 1:00 p.m.

Closing Lunch, Riverview A

1:00 p.m. – 4:00 p.m.

RAC Officers Meeting, Governor Room

This is a business meeting for RAC leadership. The meeting is open to representatives from AASHTO, TRB, FHWA, and the state DOT Regional Chairs, Vice Chairs, and Task Force Chairs.

Houmas House
Site of Tuesday Evening Banquet



WISCONSIN

MADISON



Welcomes

July 21–24, 2014

AASHTO RAC and TRB State
Representative Summer Meeting