

# 5th International Transportation Systems Performance Measurement and Data Conference

June 1–2, 2015  
Denver, Colorado

[www.trb.org/conferences/performanceasures2015.aspx](http://www.trb.org/conferences/performanceasures2015.aspx)

**Organized by**  
Transportation Research Board

**Cosponsored by**  
Federal Highway Administration  
Federal Transit Administration  
American Association of State Highway and Transportation Officials  
Performance Measures Technical Transfer Pooled Fund

The 5th International Transportation Systems Performance Measurement and Data Conference will examine the state of the practice, illustrate good practices, and identify priorities for research on transportation systems performance measurement and supporting data resources. It will provide a forum for U.S. and international experts from government, industry, and academia to exchange ideas and collaborate on advances in performance measurement. The conference will be structured in a series of plenary sessions and focused workshops addressing four themes. The planning committee is seeking proposals for presentations on these themes.

## Program Themes

### Practice Makes Perfect: State of the Practice and Opportunities

This theme addresses technical issues associated with implementing performance management in transportation programs—including, but not limited to, the mandates of the Moving Ahead for Progress in the 21st Century Act (MAP-21)—and will feature examples of successful management with performance data. Participants will share such good practices as data collection, target setting, reporting on transportation system condition and performance, assessing the effectiveness of investment strategies, and measuring progress toward performance targets.

Presentations highlighting implementations at the national, state and local level are welcomed. Appropriate subjects include:

- Innovative and creative applications of performance measures
- Demonstrations of successful communication about system performance
- Examples of successful performance measures use in the planning process
- Applications of target setting that attract stakeholder buy-in
- Examples of performance data used to support decision making at state or local levels

### Driving Decisions: Aligning Performance Measures to Support Decisions

This theme focuses on strengthening the connection between decision making and performance measurement, including the salience of measures, effective translation of performance data into actionable information, adapting information for different kinds of decisions, and lessons from the successful use of performance measures to drive decisions; for example:

- Strengthening the connection between performance measures and strategic goals
- Using performance information for real-time operations management
- Analyzing trends to guide priority setting and investment decisions
- Aligning organizations to support performance-based decisions
- Overcoming barriers to the use of performance measures in decision making
- Demonstrating strategies and tools for communicating performance information

### Tracking the Moves: Intermodal Performance Measurement

Intermodal performance measures can help managers identify bottlenecks in networks and discover better ways to use available capacity and can inform customers' travel and shipment choices. This theme explores intermodal performance measures for passenger and freight movement, data availability and quality, analysis tools, applications at various scales, and best practices. Relevant topics include:

- Applying supply-chain perspectives to intermodal

- freight performance measurement
- Identifying and addressing bottlenecks with performance measures
- Smart uses of big and small data
- Integrating performance measures from customers, carriers, and infrastructure owners

- Cloud computing
- Analysis of big data sets
- Data visualization
- Enterprise data systems

### Untangling the Data Web: Utilizing Advances in Data and Technology to Support Performance Management

Recent and emerging data sources and collection and analysis technologies to support improved transportation system performance measurement and planning are addressed in this theme. Topics can include the following:

- Social media and crowdsourcing
- Asset management data
- Spatial statistics
- Data from mobile context sensing, activity-based navigation, and intelligent vehicle systems
- Tools for the fusion and display of multiple data sources

### Registration Fees

	Early Bird	Advance	Regular
General	\$470	\$520	\$570
One-Day Registration	\$240	\$290	\$340
TRB Sponsors and Speakers	\$370	\$420	\$470
Student	\$175	\$225	\$275

### States Join the Fund!

States participating in Pooled Fund TPF-5(303) have the opportunity to provide input on priorities for the conference and workshop. Two staff members from member states are eligible for conference and workshop travel and registration fees. Partnership supports expert speakers and technical transfer opportunities, a conference report highlighting important next steps, and pre- and post-conference webinars. For more information, see the pooled fund website at [www.pooledfund.org/Details/Study/547](http://www.pooledfund.org/Details/Study/547), or contact Matthew Haubrich, Iowa Department of Transportation, [matthew.haubrich@dot.iowa.gov](mailto:matthew.haubrich@dot.iowa.gov) or 515-233-7902.

### Hotel Information

#### Grand Hyatt Denver

For more information, contact:

Thomas M. Palmerlee, [TPalmerlee@nas.edu](mailto:TPalmerlee@nas.edu)

Mai Q. Le, [MQLe@nas.edu](mailto:MQLe@nas.edu)

### Planning Committee

Daniela Bremmer, Director, Strategic Assessment and Performance Analysis, Washington State DOT  
 Joseph L. Schofer, Associate Dean of Strategy and Communications, Northwestern University  
 Mara K. Campbell, Director of Customer Relations, Missouri DOT  
 Adrian Ray Chamberlain, Consultant  
 Joe Crossett, Partner, High Street Consulting Group  
 Matthew Haubrich, Asset Manager, Iowa DOT  
 Jane D. Hayse, Director, Center for Livable Communities, Atlanta Regional Commission  
 Patricia G. Hendren, Director, Office of Performance, Washington Metropolitan Area Transit Authority  
 William G. Johnson, Transportation Performance Branch Manager, Colorado DOT  
 Timothy J. Lomax, Senior Research Engineer and Regents Fellow, Texas A&M Transportation Institute  
 Gregory I. Slater, Director, Office of Planning and Preliminary Engineering, Maryland State Highway Administration

#### Liaisons

Matthew H. Hardy, Program Director for Planning and Policy, American Association of State Highway and Transportation Officials

Brendan Nugent, Director, Business Strategy and Performance, Transport for New South Wales  
 Connie Yew, Team Leader for Assessment and Reporting, Federal Highway Administration

#### TRB Staff

Thomas M. Palmerlee  
 Monica Starnes  
 Mai Q. Le

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