History in the Making

91st Annual Meeting Highlights

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- Dedicated Truck Lanes: Realizing the Promise
- Performance Management for Multiregional Projects
- Assuring the Safety of Automotive Electronics
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* Membership as of April 2012.
3 Research Without Borders: The Growing Role of International Cooperation and Collaboration at the Transportation Research Board
Sandra Rosenbloom, Jorge Prozzi, Martine Micozzi, and Russell Houston

The international presence in TRB activities and meetings, and TRB’s partnerships and collaborations with similar research organizations around the world, result from the recognition that shared research and analysis can help address global, common, and local transportation problems productively and effectively.

11 China–U.S. Exchange Focuses on Renewal and Safety
James W. Bryant, Jr., and Charles R. Fay

13 2012 ANNUAL MEETING HIGHLIGHTS
Transportation: Putting Innovation and People to Work

Photographs from TRB’s record- and pace-setting 91st Annual Meeting in January afford a glimpse into the active, interactive, expansive, informative, and professionally rewarding exchanges among more than 11,000 transportation researchers and professionals.

26 Interstate’s Path Meets a Surprise Landfill: Innovative Technology and Interagency Cooperation Solve Dilemma in Tennessee
Larry J. Hughes, Ann Epperson, and Tammy Keim Williams

When the preliminary route for Interstate 69 in west Tennessee encountered previously unrecorded landfills, the state’s Department of Transportation and Department of Environment and Conservation teamed up for a rapid-response investigation and solution, using geophysical methods to characterize and assess the environmental impacts.

28 Geophysics: Looking Beneath the Surface
Larry J. Hughes

33 POINT OF VIEW
Dedicated Truck Lanes: An Innovative Way Forward
Keith J. Bucklew

The concept of dedicated truck lanes emerged from the search for a new roadway design and operating model to reduce congestion, enhance safety, and align transportation networks with the needs of supply chains. The author explores the design, financing, construction, and operation of dedicated truck lanes and presents the issues and problems—and the promise—of the approach.

38 Performance Management for Organizational Decision Making and Regional Partnerships: Insights from Two NCHRP Reports
Hugh Louch

Two recent research efforts under the National Cooperative Highway Research Program have examined ways that transportation agencies link performance measures to decision making. The reports address the use of performance measurement and management in strategic and day-to-day decisions and in decisions that cut across jurisdictional, modal, and other boundaries.
The planning, design, operation, and maintenance of pedestrian and bicyclist facilities, as well as efforts to integrate these modes into the transportation system, are the focus of feature articles and sidebars in the May–June issue. Articles explore the health benefits of nonmotorized transportation; the business side of bicycling; measuring multimodal mobility; learning from trends in other nations and transferring designs and practices from other nations to the United States; and more.