Rebuilding Urban Interstates
Oklahoma and Missouri Initiatives

Plus:
Young Impaired Drivers: Addressing the Problem
Innovative Tolling in Texas
Military Base Expansion and Traffic Congestion

TRB 90th ANNUAL MEETING PHOTO HIGHLIGHTS
The Transportation Research Board is one of six major divisions of the National Research Council, which serves as an independent adviser to the federal government and others on scientific and technical questions of national importance, and which is jointly administered by the National Academy of Sciences, the National Academy of Engineering, and the Institute of Medicine. The mission of the Transportation Research Board is to provide leadership in transportation innovation and progress through research and information exchange, conducted within a setting that is objective, interdisciplinary, and multimodal. The Board’s varied activities annually engage about 7,000 engineers, scientists, and other transportation researchers and practitioners from the public and private sectors and academia, all of whom contribute their expertise in the public interest. The program is supported by state transportation departments, federal agencies including the component administrations of the U.S. Department of Transportation, and other organizations and individuals interested in the development of transportation.

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* Membership as of April 2011.
3 The Young Impaired Driver Problem: Prospects for a Safer Future
    Kathryn Stewart
    In a recent symposium, experts from around the world examined the nature of the impaired driving problem among young drivers, as well as a range of strategies to address the problem and improve traffic safety. An organizer of the conference summarizes and updates the research presented.

9 Realigning the I-40 Crosstown Expressway in Oklahoma City: Coordinating and Collaborating on a Megaproject
    John R. Bowman
    The Oklahoma Department of Transportation (DOT) is realigning an urban Interstate facility that passes through the center of Oklahoma City. For this megaproject, the agency has established cooperative agreements with many partners, moving forward expeditiously and realizing savings and benefits. The project development engineer traces the history, challenges, innovations, and progress.

16 Reconstructing an Aged Expressway in the Heart of St Louis: Missouri’s Measured, Model Approach
    Linda Wilson
    The New I-64 Project in metropolitan St. Louis involved the reconstruction of 10 miles of highway, including 13 interchanges and 8 major overpasses. With limited funds, limited space, and the need to limit the construction impacts, Missouri DOT implemented a flexible procurement process, community partnerships, concerted public communications, and other innovations to complete the project ahead of schedule, with high ratings of customer satisfaction.

23 Innovative Financing for Rural Transportation: The Texas Experience with Pass-Through Tolling Agreements
    Khalil R. Persad, Patricia Franco Lawhorn, and C. Michael Walton
    Under shadow tolling, the private sector finances the construction and maintenance of a facility and is repaid by the government according to the volume of traffic. Texas has led the way in the United States with its own version, pass-through tolling agreements. The authors review the leading-edge experience and identify improvements in project selection, risk sharing, cost–benefit analysis, and negotiation approaches.

29 TRB ANNUAL MEETING HIGHLIGHTS
    Transportation, Livability, and Economic Development in a Changing World
    A photo essay documents sessions, workshops, special events, poster presentations, awards, exhibits, committee meetings, and opportunities for networking at TRB’s 90th Annual Meeting in Washington, D.C., January 23–27, including sessions and panel discussions with U.S. DOT leaders.

41 NEW TRB SPECIAL REPORT
    Federal Funding of Transportation Improvements in BRAC Cases
    Edward Weiner and Stephen R. Godwin
    The U.S. Department of Defense should accept more financial responsibility for resolving transportation problems related to growth on military bases in metropolitan areas, according to a new study published by the Transportation Research Board. Similarly, communities that benefit economically from the presence of military bases should pay their share of the needed transportation improvements.
NEW TRB PUBLICATION
Highway Capacity Manual 2010
Paul Ryus, Mark Vandehey, Lily Elefteriadou, Richard G. Dowling, and Barbara K. Ostrom

TRB has released the fifth edition of the Highway Capacity Manual, long established as an essential reference and handbook, incorporating results from research completed since 2000. The new, expanded, multivolume edition significantly updates the methodologies that engineers and planners use to assess the traffic and environmental effects of highway projects. Members of the authoring team review highlights, changes, and innovations.

As traditional sources of transportation funding falter, public–private partnerships are gaining attention as possible solutions. Feature articles slated for the May–June 2011 issue of TR News examine whether the model can meet the challenges; the selection of arrangements for projects; how to ensure value from the arrangements; ways to protect the public interest in long-term concessions; the appropriateness to U.S. contexts; how the model has worked in Europe; and more.

The Pocahantas Parkway, which links Chesterfield and Henrico counties in Virginia, crosses over I-95 and the James River. The state leased the road to a private entity, Transurban, in 2006.