Freight Planning
Innovations, Scenarios, and Environmental Justice

Plus:
Safety Culture Lessons from the Offshore Oil Industry
Mileage-Based User Fees: What Does the Public Think?
Driverless Cars: The Need for Interdisciplinary Research
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3 HIGHLIGHTS FROM THE TRB ANNUAL MEETING 2017
Transportation Innovation: Leading the Way in an Era of Rapid Change
The 96th Annual Meeting of the Transportation Research Board spotlit innovations in technologies, techniques, and approaches that are driving and responding to rapid change. More than 13,000 participants shared and explored research findings and applications in sessions, workshops, committee meetings, exhibits, award presentations, networking events, and more, as shown in these photo highlights.

10 SPECIAL FEATURE: A Day in the Life of a TRB Committee
Katherine F. Turnbull

17 Offshore Oil and Gas Industry Safety Culture: Implications for Commercial Transportation Safety Regulation
Stephen R. Godwin
In the aftermath of the Macondo Well–Deepwater Horizon blowout, a policy study explored ways to improve safety culture among offshore oil and gas companies. The author reflects on lessons applicable to the safety regulation of commercial transportation carriers that also are at risk for catastrophic accidents.

23 Innovations in Freight Planning: Addressing Trade, Future Scenarios, and Environmental Justice
Daniel Haake and Chris Ryan
Freight planning has become a major focus in the federal surface transportation program, and some state departments of transportation (DOTs) have completed plans that have gone beyond statutory requirements to transform the state’s freight system. Select case studies illustrate procedures to prioritize projects, apply scenario planning, address environmental justice, and more.

28 NCHRP SYNTHESIS 487
Public Perception of Mileage-Based User Fees
Asha Weinstein Agrawal, Hilary Nixon, and Ashley M. Hooper
A National Cooperative Highway Research Program synthesis project explored public opinion about mileage fees, a critical topic for policy makers looking for a new source of stable, predictable funds for transportation. The information allows policy makers to gauge the political feasibility of mileage fees, to understand the nuances of public reaction, and to develop acceptable options for structuring the fees.

34 POINT OF VIEW
The Brave New World of Driverless Cars: The Need for Interdisciplinary Research and Workforce Development
Missy Cummings
The National Highway Traffic Safety Administration has released federal guidelines for manufacturers on the testing and deployment of self-driving cars. The promise and potential benefits of driverless cars will be transformative, the author notes, but further research and development is needed as the rush to deploy driverless car technology has outpaced the technical underpinnings.
features articles on innovative and timely research and development activities in all modes of transportation. Brief news items of interest to the transportation community are also included, along with profiles of transportation professionals, meeting announcements, summaries of new publications, and news of Transportation Research Board activities.

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Photo: New York State Thruway

Construction of the new Tappan Zee Bridge across the Hudson River, on the New York State Thruway main line and Interstates 87 and 287, carries a price tag of $3.98 billion. The 3.1-mile-long structure will carry 140,000 vehicles per day and serve as a vital link for commuters, freight, and travelers in metropolitan New York.