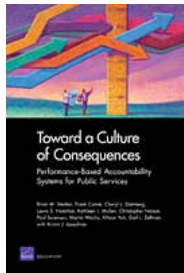




Highlights of Recent RAND Research on Transportation

For more information, contact Matthew Dicker, Transportation Legislative Analyst, at 703-413-1100 x5320 or Matthew_Dicker@rand.org.

Decisionmakers throughout the world are challenged by the need to maintain and develop new infrastructures. For decades, RAND has been conducting research and analysis on critical infrastructure, such as power grids, waterways, transportation systems, security, and telecommunications.



Toward a Culture of Consequences

Performance-Based Accountability Systems for Public Services

Brian M. Stecher, Frank Camm, Cheryl L. Damberg, Laura S. Hamilton, Kathleen J. Mullen, Christopher Nelson, Paul Sorensen, Martin Wachs, Allison Yoh, and Gail L. Zellman with Kristin J. Leuschner, 2010

Performance-based accountability systems (PBASs) link incentives to measured performance to improve services to the public. Research suggests that PBASs influence provider behaviors, but little has been known about PBAS effectiveness at achieving performance goals. This study examines nine PBASs that are drawn from five sectors: child care, education, health care, public health emergency preparedness, and transportation.



Understanding and Reducing Off-Duty Vehicle Crashes Among Military Personnel

Liisa Ecola, Rebecca L. Collins, and Elisa Eiseman, 2010

The authors review traffic safety in the United States, with specific reference to military personnel, focusing on safety interventions and attempts to change driver behavior and decisions. This review discusses the safety interventions that tend to help in the reduction of vehicle crashes, especially those related to motorcyclists.

Implementable Strategies for Shifting to Direct Usage-Based Charges for Transportation Funding

Paul Sorensen, Liisa Ecola, Martin Wachs, Max Donath, Lee Munnich, and Betty Serian, 2009

This report explores ways that direct charges to road users, based on vehicle-miles of travel, could be implemented by 2015.

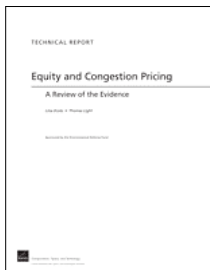


Fast-Forward

Key Issues in Modernizing the U.S. Freight-Transportation System for Future Economic Growth

Richard Hillestad, Ben D. Van Roo, and Keenan D. Yoho, 2009

Efficient movement of freight within the United States and across its borders is a critical enabler of future U.S. economic growth. The authors provide an overview of the freight-transportation system and the problems it faces, concluding with a discussion of key system-modernization issues, including increasing capacity, making the system less vulnerable to disruption, addressing environmental concerns, and building support for funding.



Equity and Congestion Pricing

A Review of the Evidence

Liisa Ecola and Thomas Light, 2009

Transportation policymakers are increasingly considering congestion pricing a promising option for addressing urban traffic-congestion problems. While some congestion pricing projects have been undertaken in the United States, many proposals have been rejected based on worries that congestion pricing is inequitable. This report looks at the evidence that might support or negate this claim.

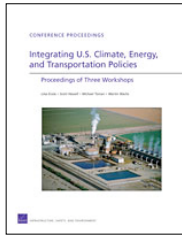


Transportation Challenges for the New Administration

Perspectives of Past DOT Secretaries

Liisa Ecola, 2009

This document, part of the RAND Corporation conference proceedings series, summarizes the remarks of three previous Department of Transportation secretaries—William T. Coleman, Jr., James H. Burnley IV, and Rodney Slater—at a panel discussion on transportation policymaking that was held in Washington, D.C., on January 29, 2009.



Integrating U.S. Climate, Energy, and Transportation Policies

Proceedings of Three Workshops

Liisa Ecola, Scott Hassell, Michael Toman, and Martin Wachs, 2009

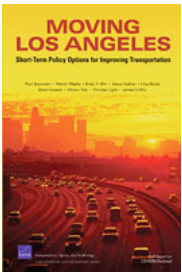
Three workshops on policies for mitigating climate change brought together representatives of government, industry, advocacy groups, and the research community to address the interconnection of climate change mitigation policy with the key sectors of energy and transportation. Competing energy and transportation interests can hamper progress in climate change; here, they shared different perspectives and identified some common points of view.



Improving the Safety and Security of Freight and Passenger Rail in Pennsylvania

David S. Ortiz, Brian A. Weatherford, Michael D. Greenberg, and Liisa Ecola, 2008

This report reviews Pennsylvania's statutory and regulatory authority over rail and identifies possible actions that Pennsylvania might take to improve rail safety and security. These actions are based on a description of the physical rail system in Pennsylvania and its operating characteristics; a qualitative analysis of risk components; a review of recent studies and actions regarding rail security; and an overview of actions taken by other states.

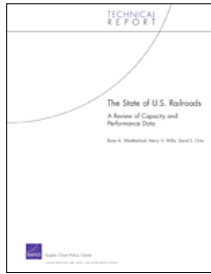


Moving Los Angeles

Short-Term Policy Options for Improving Transportation

Paul Sorensen, Martin Wachs, Endy Y. Min, Aaron Kofner, Liisa Ecola, Mark Hanson, Allison Yoh, Thomas Light, and James Griffin, 2008

Los Angeles has the worst traffic congestion in the country. Excessive traffic congestion detracts from quality of life, is economically wasteful and environmentally damaging, and exacerbates social-justice concerns. The authors of this book recommend strategies for reducing congestion in Los Angeles County that could be implemented and produce significant improvements within about five years.



The State of U.S. Railroads

A Review of Capacity and Performance Data

Brian A. Weatherford, Henry H. Willis, and David S. Ortiz, 2008

U.S. railroads have improved their productivity, but increasing freight volume threatens performance-degrading capacity constraints. This report describes the current state of railroad capacity and performance for freight transportation. The public consequences of private investment decisions justify a public role in addressing concerns about railroads, but better data and analysis are needed to inform transportation policymaking.

Updated 12/01/10