Transportation Security
Protecting the System from Attack and Theft
Transportation Security: 
Agenda for the 21st Century
Stephen E. Flynn

Criminals plan to exploit and terrorists plot to disrupt the U.S. transportation system. Because both activities are escalating, transportation security must become a national priority, according to this author. The solution requires global initiatives that complement concerns about cost and competitiveness.

Information Systems Security: 
The Federal Aviation Administration’s Layered Approach
Daniel J. Mehan

FAA is establishing a security system reinforced at every level, ensuring the safety of U.S. airspace and airports and protecting one of the world’s largest and most complex information-centric critical infrastructures.

Cargo Security: 
High-Tech Protection, High-Tech Threats
Ed Badolato

Computer-savvy criminals, backed by syndicates and assisted by corporation insiders, are manipulating the new shipping technology for illicit gains. Security professionals must maintain the expertise to anticipate and prevent sophisticated theft at every link in the worldwide supply chain.

U.S. Military Preparedness: 
Jammed in the Traffic?
Bob Honea

The economic boom has the U.S. transportation system operating near capacity. Can commercial activities afford to make room for military transportation in a national emergency? A panel of military and civilian experts presented insights at two TRB conferences.

Statewide Critical Infrastructure Protection: 
New Mexico’s Model
Daniel J. O’Neill

Programs to protect statewide, regional, and local infrastructure are necessary to complement—and adapt—federal initiatives. New Mexico provides a pioneering example.

Improving Surface Transportation Security Through Research and Development
Daniel F. Morgan and H. Norman Abramson

The federal government must set priorities for research and development to secure the surface transportation system, avoiding duplication of effort, coordinating findings among agencies, and implementing and assessing improvements, according to a National Research Council study.
Point of View
National Maritime Policy: Reforms Should Boost Trade, Relieve Landside Congestion
A. J. Herberger

The United States must reform its patchwork maritime policy to enhance industry competitiveness in global markets, a retired vice admiral advises. Reforms also should encourage development of coastal routes to relieve highway traffic and introduce travel and shipping alternatives.

Research Pays Off
Spring Load Restrictions: Improving Minnesota's Policy
David A. Van Deusen and Jill M. Ovik

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Bicycle Hazard

I was taken aback when I saw the cover of the September–October 2000 issue of TR News. The combination of bicycles and transit rails recessed in the pavement is a dangerous one. I have personal experience of being thrown from my bike when its front wheel went into a rail slot. It happened while negotiating traffic on the streets of San Francisco's port area where freight train rails were present. Rubber-tired vehicles would provide a safer environment for the cyclist. I have the same concern for using light rail in urban areas such as Houston, where I live. We give lip service to the pollution reduction and exercise benefits that bicycle use provides. If we wish to promote alternate travel modes, such as bicycles, we should not make their use any more hazardous than necessary.

I am also curious about the energy source for the illustrated light rail vehicle. There is no unsightly electrical power distribution catenary. Does the proposed vehicle have fuel cells, an inertia wheel, or a natural gas engine?

— Beryl Gamse
McDowell Owens Engineering

Editor's Note: The image of the future light rail transit in Grand Canyon National Park was an artist's rendering, and was not prepared by or for the National Park Service. According to a spokesman for the light rail project, there will be separate paths for bicycles and pedestrians; there will be no line to “Hermits Rest”; and the energy source is still to be determined. For specific planning details, please visit www.nps.gov/grca/transit/.