

TRB TRUCKING-RELATED ACTIVITIES AND PUBLICATIONS

<http://gulliver.trb.org/trb/Truck-Activities-Publications.pdf>

Updated June 2004

Recent TRB Publications

- *Military Deployment and Commercial Transportation Services*, TR News Number 231, March-April 2004,
http://gulliver.trb.org/publications/trnews/Mildeploy_trnews231.pdf
- *Equipment for Collecting Traffic Load Data*, NCHRP Report 509 (2004)
- *A Concept for a National Freight Data Program*, Special Report 276 (2003)
- *Integrating Freight Facilities and Operations with Community Goals*, NCHRP Synthesis 320 (2003)
- *Dealing with Truck Parking Demands*, NCHRP Synthesis 317 (2003)
- *Strategies for Managing Increasing Truck Traffic*, NCHRP Synthesis 314 (2003)
- *Freight Policy, Economics, and Logistics; Truck Transportation*, TR Record 1833 (2003)
- *Highway Safety, Traffic Law Enforcement, and Truck Safety*, TR Record 1830 (2003)
- *Review of Truck Characteristics as Factors in Roadway Design*, NCHRP Report 505 (2003)
- *Effect of Truck Weight on Bridge Network Costs*, NCHRP Report 495 (2003) with Software Module "CARRIS" 1.0 and User's Manual CD-ROM
- *Commercial Truck and Bus Safety Synthesis Program: A Status Report*, CTBS Digest Number 2 (2003)

- *Effective Commercial Truck and Bus Safety Management Techniques*, CTBS Synthesis 1
- *Security Measures in the Commercial Trucking and Bus Industries*, CTBS Synthesis 2
- *Highway/Heavy Vehicle Interaction*, CTBS Synthesis 3

For a more extensive list of **TRB truck-related publications**, please search the online Bookstore at

http://64.118.69.9/acb1/Webpage.cfm?&DID=92&WebPage_ID=4

Standing Technical Committees

Here are a few examples of trucking-related committees. For complete information on committees, see <http://gulliver.trb.org/directory/>

Motor Vehicle Size and Weight (AT055)

Scope: This committee is concerned with the issue of motor vehicle size and weight, and the problems associated with larger and heavier trucks. It is concerned with the social, economic and political factors related to motor vehicle size and weight; the interrelationships of larger loads with pavements, shoulders, structures, facility capacity, safety and the environment; and the effects of changing vehicle dimensions on carrier and highway economics, on other modes of freight transport, and on labor and management.

Trucking Industry Research Task Force (AT060T)

Website: <http://www.ndsu.edu/ndsu/trb/index.php>

Scope: The task force is concerned with a broad range of issues related to the trucking industry that require a multidisciplinary approach to developing a research agenda. The task force will focus its efforts on cross-cutting industry issues, such as business economics, operations, logistics, shipper/carrier/consignee issues, and labor market and human resource issues. Through cooperative efforts with other relevant TRB committees and outreach and education efforts to the trucking industry and to public sector agency officials, the task force will develop a trucking research agenda.

Intermodal Freight Transport (AT045)

Website: <http://www.wilbursmith.com/a1b05>

Scope: The scope of this committee includes all aspects of research pertaining to intermodal freight transport. Attention will be given initially to rail-water, rail-highway, highway-water, and highway-air modal combinations, but other combinations may be considered later. As used here, intermodal freight transport includes all shipments that employ more than one mode in a single through movement from origin to destination;

local pick-up and delivery by truck for others not included. Consideration of rates, routes, services, transfer facilities, containers, and other items that impact the movement of freight in intermodal transport are included.

Freight Transportation Economics and Regulation (AT010)

Website: <http://webboard.trb.org/~A1B06>

Scope: The scope of this committee includes all aspects of research pertaining to domestic and international surface freight transportation economics and regulation. Consideration will be given to research into the impact of regulation on social, public, and private costs and benefits; among the various modes; on regulated vis-à-vis unregulated carriers; and on technological change.

International Trade And Transportation (AT020)

Website: <http://webboard.trb.org/~A5006>

Scope: This committee will be concerned with research, management, and regional, national or international policy issues associated with international trade and transportation (inter-country movements and their domestic connections); trends and market forces in trade and international transportation; technological, economic, financial, institutional, or managerial innovations; and barriers to international trade in transportation goods and sciences.

Urban Freight Transportation (AT025)

Scope: The committee is concerned with the study and research of urban freight transportation topics and issues, including urban transportation system demand and economic relationships, right-of-way issues, pick-up and delivery needs, terminal transportation needs, institutional challenges, and new technology, with an emphasis on providing support to practitioners.

Agricultural Transportation (AT030)

Scope: This task force is concerned with infrastructure, economic, institutional, operational, equipment, technological, and capacity issues influencing and affecting the movement of agricultural products by all modes of transportation. While the emphasis will be on North American transport systems, consideration will also be given to international developments that have an impact on the global market for U.S. agricultural products.

Highway Traffic Monitoring (AFD30)

Scope: This committee is concerned with all aspects of research in the fields of in-motion weighing, counting, and classification of highway vehicles. Its stimulation and dissemination functions may extend to dynamic vehicle axle loadings and automatic vehicle identification, as well as other areas to improve the accuracy of vehicular flow estimates; it will also extend into the application of weigh-in-motion technology and the utilization of data there from in the design and reconstruction of pavements and structures.

Truck and Bus Safety (ANB70)

Scope: This committee will focus on motor carrier safety in all its aspects. This will include research and evaluation in human, roadway, vehicle, operational, organizational, and regulatory arenas as they relate to motor carrier safety.

Transportation of Hazardous Materials (AT040)

Website: <http://projects.battelle.org/trbhazmat/>

Scope: This committee is concerned with the protection of human health and the environment through the safe packaging, handling and transportation of hazardous materials, and effective response to hazardous materials incidents. The focus will be on risk management process development; type and extent of hazards associated with materials shipments; conditions and forces encountered during transportation of hazardous materials; consequences associated with hazardous materials transport incidents; legal and regulatory controls affecting hazardous materials; support and training for state and local hazardous materials transportation and emergency response personnel; sources of information to support analysis, planning and response; tools and technology to support risk assessment; and risk communication.

Midyear committee meetings

- Motor Vehicle Size and Weight, Trucking Industry Research Task Force, Intermodal Freight Transport, Freight Transportation Economics and Regulation, Urban Freight Transportation, Transportation of Hazardous Materials, and International Trade and Transportation are among approximately 35 committees that will hold their meetings in Park City, Utah, July 25-27, 2004, in conjunction with the **TRB Joint Summer Meeting of the Planning, Economics, Environmental, Finance, Freight, and Management Committees**. For more information, see <http://www.trb.org/Conferences/Midyear/>
- Truck and Bus Safety Committee will hold a meeting on September 9 in Washington, DC.

Conferences

- [North American Travel Monitoring Exposition and Conference \(NATMEC\) 2004](http://www.trb.org/Conferences/NATMEC/), June 27-30, 2004, San Diego, California
<http://www.trb.org/Conferences/NATMEC/>
- **International Truck and Bus Safety Symposium**, Spring 2005

NCHRP Study Underway

- *Heavy-Duty Vehicle Emissions (25-14)*

NCHRP Synthesis Project

- *Bridge Rating Policies and Practices for Overweight Vehicles (36-01)* – upcoming, Fall 2004

Commercial Truck and Bus Safety Synthesis Program

<http://www4.trb.org/trb/crp.nsf/reference/appendices/ctbssp>

Projects underway:

MC-04, *Individual Differences and the "High Risk" Commercial Driver*

MC-05, *Training of Commercial Motor Vehicle Drivers: Best Practices*

MC-06, *Effective Motorcoach Industry Hours of Service and Fatigue Management Techniques*

MC-07, *Operational Differences/Similarities Between the Motorcoach, School Bus, and Trucking Industries*

MC-08, *Commercial Motor Vehicle Driver Safety Belt Usage*

MC-04 through MC-07 will be completed in the Fall 2004. MC-08 will be completed in the Spring 2005.

Safety IDEA Program

http://www4.trb.org/trb/dive.nsf/web/Transportation_Safety_Technology_IDEA

The Safety IDEA program is jointly sponsored by the Federal Motor Carrier Safety Administration and the Federal Railroad Administration. The U.S. Department of Transportation has set aggressive goals for reducing fatalities and injuries by the year 2010. To this end, the sponsors have provided funding for projects that promote innovative approaches to improving railroad, intercity bus, and truck safety. The program encompasses vehicle improvements, operator performance, and alertness improvements; operational practices; and hazard reduction, among other interest areas.

FMCSA workshops and conference

- FMCSA Research and Technology: Synergy in Partnerships Workshop, held in conjunction with TRB Annual Meeting, Sunday, January 11, 2004
- **Future Truck and Bus Safety Research Opportunities Conference**
October 26-27, 2004, Washington, DC (*by invitation*)
The purpose of this conference is to investigate possible directions and trends in truck and bus safety, then develop research scenarios to address these future prospects. Invited speakers will present white papers on developing the safety directions and trends, and the conference participants will develop the research scenarios.

TRB Annual Meetings

2004 – Some examples of session topics included the following:

- Innovations in Motor Carrier Safety Management: Efforts at Self-Regulation and Industry Perspectives
- Regional solutions for Accommodating Contemporary Commercial Vehicles
- Domain of Truck and Bus Safety Research
- Safety: Management, Licensing, and Trucks
- Hazardous Materials Transportation Security
- Highway Traffic Monitoring
- Focus on Freight Systems: Where is Freight Demand Going? and How will Carriers Respond?

2005 – January 9-13, session planning is now underway. All committee meetings are open to all interested Annual Meeting participants.

TRB Information Sources

Website: <http://trb.org/>

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