



TRANSPORTATION RESEARCH BOARD

Publications Catalog

All 2006 Titles

TRANSPORTATION RESEARCH BOARD
OF THE NATIONAL ACADEMIES

THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

The **National Academy of Sciences** is a private, nonprofit, self-perpetuating society of distinguished scholars engaged in scientific and engineering research, dedicated to the furtherance of science and technology and to their use for the general welfare. On the authority of the charter granted to it by the Congress in 1863, the Academy has a mandate that requires it to advise the federal government on scientific and technical matters. Dr. Ralph J. Cicerone is president of the National Academy of Sciences.

The **National Academy of Engineering** was established in 1964, under the charter of the National Academy of Sciences, as a parallel organization of outstanding engineers. It is autonomous in its administration and in the selection of its members, sharing with the National Academy of Sciences the responsibility for advising the federal government. The National Academy of Engineering also sponsors engineering programs aimed at meeting national needs, encourages education and research, and recognizes the superior achievements of engineers. Dr. William A. Wulf is president of the National Academy of Engineering.

The **Institute of Medicine** was established in 1970 by the National Academy of Sciences to secure the services of eminent members of appropriate professions in the examination of policy matters pertaining to the health of the public. The Institute acts under the responsibility given to the National Academy of Sciences by its congressional charter to be an adviser to the federal government and, on its own initiative, to identify issues of medical care, research, and education. Dr. Harvey V. Fineberg is president of the Institute of Medicine.

The **National Research Council** was organized by the National Academy of Sciences in 1916 to associate the broad community of science and technology with the Academy's purposes of furthering knowledge and advising the federal government. Functioning in accordance with general policies determined by the Academy, the Council has become the principal operating agency of both the National Academy of Sciences and the National Academy of Engineering in providing services to the government, the public, and the scientific and engineering communities. The Council is administered jointly by both the Academies and the Institute of Medicine. Dr. Ralph J. Cicerone and Dr. William A. Wulf are chair and vice chair, respectively, of the National Research Council.

The **Transportation Research Board** is a division of the National Research Council, which serves the National Academy of Sciences and the National Academy of Engineering. The Board's mission is to promote innovation and progress in transportation through research. In an objective and interdisciplinary setting, the Board facilitates the sharing of information on transportation practice and policy by researchers and practitioners; stimulates research and offers research management services that promote technical excellence; provides expert advice on transportation policy and programs; and disseminates research results broadly and encourages their implementation. The Board's varied activities annually engage more than 4,000 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. www.TRB.org

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Ordering Information

This catalog lists all publications produced by the Transportation Research Board (TRB) for calendar year 2006. For a list of all titles in print, visit the TRB Bookstore website at www.TRB.org/bookstore/; write to the TRB Business Office, 500 Fifth Street, NW, Washington, DC 20001; call 202-334-3213; or e-mail TRBSales@nas.edu.

How to Locate Publication Titles

Titles of publications are listed in this catalog in alphabetical order under subject area. Many titles are listed under several subject areas. Each entry contains a book code; title; year of publication; International Standard Book Number (ISBN), if assigned; number of pages; and price.

How to Purchase


A general publication order form and a form for ordering the *Highway Capacity Manual 2000* are provided in the back of this catalog. If additional forms are required, please make photocopies. Mail the appropriate completed form(s) with payment to:

**Transportation Research Board
Lockbox 289
Washington, DC 20055**

Credit card orders can be placed through the online TRB Bookstore (www.TRB.org/bookstore/), by telephone (202-334-3213), or by fax (202-334-2519). TRB uses a secure web server; credit card numbers are encrypted for transmittal and erased from the system as soon as the orders are processed.

TRB publications can be purchased at the National Academy Press Bookstore, 500 Fifth Street, NW, Washington, D.C., Monday through Friday, 8:30 a.m. to 4:30 p.m. Please call 202-334-2612 in advance to verify availability. Publications also can be purchased from the TRB Business Office. Please call 202-334-3213 for more information.

Availability

Many publications in this catalog can be purchased from the TRB Electronic Bookstore or downloaded from the TRB website. Titles listed without prices (also indicated with ) are published online but are not available for purchase in print format. Customers may download and print online exclusive titles, including Transportation Research Electronic Circulars and Web Documents from the Cooperative Research Programs. The *Highway Capacity Manual 2000* is not available online but can be purchased in print, on CD-ROM, or both.

Prices

Prices are subject to change without notice. Local sales tax must be included in the payment for orders shipped to California, Connecticut, the District of Columbia, Florida, Maryland, New York, Texas, and Virginia; applicable goods and service tax (GST) must be included in the payment for orders shipped to Canada.

Shipping

Prices listed in this catalog include shipping by FedEx Ground[®] (continental United States), first-class postage (Hawaii, Alaska, and Puerto Rico), or fourth-class postage (Canada and Mexico). Other shipping services (International Airmail, FedEx 2Day[®], FedEx Priority Overnight[®], FedEx International[®]) are available for an additional charge or by use of a personal FedEx account number. For rate information see below or call 202-334-3213 or e-mail TRBSales@nas.edu.

For surface delivery outside the United States, Canada, and Mexico, add \$4 to the total for the first item ordered and \$.75 for each additional item to cover additional postage costs. Customers must bear any currency conversion charges, taxes, and duties.

Please use the following rates for **international airmail** postage:

Canada and Mexico

\$4.50 first book; \$1.25 for each additional book

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\$6.50 first book; \$2 for each additional book

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Special postage rates for the *Highway Capacity Manual 2000* are included on the order form at the back of the catalog.

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Payment must accompany all orders. Accepted forms of payment include credit cards (Visa, MasterCard, or American Express; credit card information must be complete), international money orders, or checks in U.S. funds drawn on a U.S. bank. Checks received without complete order information will be returned to the sender.

Desk Copies

A complimentary desk copy is available with orders of 10 or more copies of a single title for classroom use.¹ Written requests for desk copies on department stationery must accompany the order.

¹Desk copies of *Highway Capacity Manual 2000* and *Bridge Aesthetics Around the World* are not available.

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Discounts are provided for most publications according to the following schedule (only one discount is applied per order):

- Library (public, college, university)² 25%
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²Special subscription rates for purchase of TRB publications are available. Contact TRB for details (e-mail TRBSales@nas.edu).

³See page 39 for description of the TRB Affiliates Program; for an application form, go to www.TRB.org and click on Affiliate Application in the left-hand menu.

⁴Student Affiliate discount for *Highway Capacity Manual 2000* and *Bridge Aesthetics Around the World* is 25%, limited to one discounted copy per Student Affiliate.

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TRB Online

TRB on the Internet

The TRB website is www.TRB.org. Through the home page, visitors can

- Access information about TRB's organization, committee activities, and upcoming conferences and meetings;
- Search for titles in the TRB Bookstore and order online;
- View and download publications posted on the website;
- Apply to become a TRB Affiliate;
- Register for the Annual Meeting;
- Download requests for proposals for the National Cooperative Highway Research Program and the Transit Cooperative Research Program; and
- Access papers published in the *Transportation Research Record: Journal of the Transportation Research Board* through TRB's new TRR Online service.

Resources

The TRB online directory provides links to TRB Sponsors' and Sustaining Affiliates' websites, which contain glossaries, electronic publications, news advisories, software depositories, and directories. Users also can access the Research in Progress (RiP) Database, which contains more than 9,100 records of current or recently completed transportation research projects.

Publications

The TRB publications and bibliographic databases can be accessed from www.TRB.org. This website provides links to the TRB Publications Index, which can be searched by author, title, or key words; the Transportation Research Information Services (TRIS) Online Database, a comprehensive resource of information on transportation; and TRB's Bookstore, www.TRB.org/bookstore. Because reports are published throughout the year, the Bookstore listings are updated continually.





TRR Online—NEW!

Through the use of cutting-edge technology, accessing Transportation Research Records (TRR) is simple. Features include

- Enhanced search and analysis technology that ensures logically organized search results;
- E-mail alerts;
- Global dissemination of electronic content;
- Accessibility through library systems;
- Simple access management, linking, and usage reporting with powerful, yet easy-to-use administrative tools; and
- Established and emerging standards—such as MARC, OpenURL, and COUNTER—that enable seamless integration with existing library systems.

With a one-year TRR Online subscription, researchers will be able to access immediately more than 3,500 TRR papers published from 2002 through 2006. Beginning in August 2007, more than 800 additional papers will be posted as 2007 journals are released. Papers from 1996 through 2001 are also available to purchase as an archival package. Altogether, more than 7,600 papers spanning 11 years will be immediately available to participating researchers and students. See the price list on page 40.

Code Key

- CP** = Conference Proceedings
- CRPD** = Cooperative Research Programs Project Reports on CD-ROM
- CTBD** = Commercial Truck and Bus Safety Synthesis Program (CTBSSP) Research Results Digest
- CTBS** = CTBSSP Synthesis of Safety Practice
- EC** = Transportation Research Electronic Circular 
- HRD** = National Cooperative Highway Research Program (NCHRP) Research Results Digest
- LRD** = NCHRP Legal Research Digest
- NR** = NCHRP Report
- NW** = NCHRP Web-Only Document 
- R** = Transportation Research Record: Journal of the Transportation Research Board
- SSTL** = Selected Studies in Transportation Law
- SYH** = NCHRP Synthesis of Highway Practice
- TC** = Transit Cooperative Research Program (TCRP) Report
- TD** = TCRP Research Results Digest
- TL** = TCRP Legal Research Digest
- TS** = TCRP Synthesis of Transit Practice
- TW** = TCRP Web-Only Document 
- SR** = Special Report
- X** = Miscellaneous Publication
-  = Not available in print; may be downloaded from www.TRB.org

Publication Series

Commercial Truck and Bus Safety Synthesis Program (CTBSSP) Research Results Digest (CTBD)

(ISSN 1544-6808)

The annual reports summarize the status of CTBSSP.

CTBSSP Synthesis of Safety Practice (CTBS)

(ISSN 1544-6808)

The new cooperative research program sponsored by the Federal Motor Carrier Safety Administration and administered through TRB initiates three to four synthesis studies annually to address concerns in the area of commercial truck and bus safety. The synthesis reports summarize existing practice in a specific technical area and typically are based on a literature search and on a survey of relevant organizations.

Conference Proceedings (CP)

(ISSN 1073-1652)

Proceedings of TRB-sponsored conferences include summaries of the participants' discussions and complete resource papers. Reports undergo review in accordance with National Research Council procedures.

Cooperative Research Programs Project Reports on CD-ROM (CRPCD and CRPD)

Unedited agency project reports are issued on CD-ROM for information and may supplement reports published in either the NCHRP or the TCRP formal series of research reports.

National Cooperative Highway Research Program (NCHRP) Legal Research Digest (LRD)

(ISSN 1080-4781)

This series of reports promotes early awareness and encourages application of research results from NCHRP Project 20-6, Legal Problems Arising Out of Highway Programs, and encourages application. Digests contain supplements and new papers that are compiled periodically as addenda to **Selected Studies in Transportation Law (SSTL)**.

NCHRP Research Results Digest (HRD)

(ISSN 0547-5554)

Informal reports provide early awareness of research results from NCHRP projects.

NCHRP Report (NR)

(ISSN 0077-5614)


Formal reports specifically designed for managers and practitioners succinctly convey the research findings of NCHRP projects.

NCHRP Synthesis of Highway Practice (SYH)

(ISSN 0547-5570)

Formal reports present studies on current practice in the field of highway transportation from synthesis projects sponsored by the American Association of State Highway and Transportation Officials and selected by an NCHRP Project Committee.

NCHRP Web-Only Document (NW)

NCHRP posts on the Internet unedited documents from contract research agencies. These documents are provided for information and may supplement reports published in the NCHRP formal series of research reports. 

Special Report (SR)

(ISSN 0350-859X)

TRB publishes book-length reports on research in which TRB staff or committees actively participate and on studies by select committees addressing transportation policy issues of national significance. The reports undergo extensive review in accordance with National Research Council procedures. Selected policy studies are available online.

Transit Cooperative Research Program (TCRP) Legal Research Digest (TL)

(ISSN 1078-4403)

These digests provide early awareness of research results from TCRP Project J-5, Legal Aspects of Transit and Intermodal Transportation Programs, and encourage application. Digests contain supplements and new papers that are compiled periodically as addenda to **Selected Studies in Transportation Law (SSTL)**.

TCRP Report (TC)

(ISSN 1073-4872)

Formal reports present the research findings of TCRP projects in a format specifically designed for managers and practitioners.

TCRP Research Results Digest (TD)

(ISSN 1075-8186)


Informal reports promote early awareness of research results from TCRP projects.

TCRP Synthesis of Transit Practice (TS)

(ISSN 1073-4880)


Formal reports assemble studies of current practice in the transit community. Projects for the synthesis studies are monitored by a project committee.

TCRP Web-Only Document (TW)

TCRP posts unedited documents from contract research agencies on the Internet. These documents are provided for information and as supplements to reports published in TCRP's formal series of research reports. 

Transportation Research Electronic Circular (EC)

(ISSN 0097-8515)

Circulars comprise TRB committee reports and other work of interest but not necessarily of permanent reference value, such as interim research findings and research problem statements. 

Transportation Research Record: Journal of the Transportation Research Board (R)

(ISSN 0361-1981)

TRB's journal contains technical papers prepared by researchers that are peer-reviewed by TRB committees. Selected papers from the TRB Annual Meetings, along with some papers from other sources and conferences, are published in this series. Available online by subscription or pay per view. See page 40 for description and offerings.

Subscription Categories

I. Planning, Administration, and Environment

IA. Planning and Administration includes agency organization; personnel management; finance and economics; data and information systems; strategic management; planning process; state, regional, and urban transportation planning; land use; forecasting, market estimation, and modal selection; travel behavior; transportation of the disadvantaged; and transportation demand management. *See page 16.*

IB. Energy and Environment includes alternative fuels; fuel economy; ecological systems; noise and air quality; water quality; wetlands; historic preservation; and hazardous wastes. *See page 18.*

IC. Transportation Law includes eminent domain and land use; contract law; tort liability; environmental law; and motor vehicle and traffic law. *See page 19.*

II. Design

IIA. Highway and Facility Design includes photogrammetry, digital mapping, and remote sensing and surveying; highway geometrics; traffic barriers, sign supports, and

highway safety appurtenances; environmental design and mitigation; and archeological, scenic vistas, and utility accommodation. *See page 20.*

IIB. Pavement Design, Management, and Performance includes pavement management; flexible and rigid pavement design; rehabilitation strategies; response of pavements to load and environmental forces; pavement data collection and analysis; surface unevenness; pavement distress; skid resistance; and systems for vehicle counting, classification, and weigh-in-motion. *See page 20.*

IIC. Bridges, Other Structures, and Hydraulics and Hydrology includes design of steel, concrete, and timber bridges; bridge safety, economy, and service life; field testing and dynamic responses of bridges; tunnel design, construction, and performance; structural design of culverts and hydraulic structures; structural uses of composite materials; and hydrology and hydraulics. *See page 21.*

III. Materials, Construction, and Maintenance

IIIA. Soils, Geology, and Foundations includes exploration, properties, identification, classification, and treatment of surface

and subsurface soil and rock; subsurface drainage; earthquake and landslides; environmental effects on soil; and mechanics of soil, rock, and layered systems. *See page 23.*

IIIB. Materials and Construction includes bituminous materials and mixes; cement and concrete; general materials; mineral aggregate specifications; construction; and quality control. *See page 24.*

IIIC. Maintenance includes maintenance management; runway and guidance maintenance; structures, roadway, and roadside maintenance; traffic service maintenance; snow and ice control; equipment maintenance; and work zone safety. *See page 25.*

IV. Operations and Safety

IVA. Highway Operations, Capacity, and Traffic Control includes transportation systems operations; traffic flow and highway capacity; law enforcement; parking and parking facilities; operating effects of roadway elements; traffic control devices and systems; railroad–highway grade crossings; transportation communication systems; traffic measurements and evaluation methods; high-occupancy vehicles; and intelligent vehicle highway system. *See page 26.*

IVB. Safety and Human Performance includes system safety; accident countermeasures; right-of-way and vehicular design, operations, and maintenance; human behavior and performance associated with transportation; bicycles; pedestrians; emergency medical services; trauma treatment; work zone safety; and the measurement of safety performance (e.g., accident data and exposure); and the planning, management, and financing of safety. *See page 28.*

V. Aviation

Includes planning; forecasting; finance; socioeconomics; market analysis; airside and landside airport design and operations; air traffic control; aircraft technology; intergovernmental relations; airlines (including regional and commuter); business and general aviation; safety; and user needs. *See page 30.*

VI. Public Transit

Includes planning, administration, economics, finance, and performance of rail, bus, and new technology transit systems; commuter rail; paratransit; rural public transportation; safety; and design, operation, and maintenance of vehicles and fixed facilities. *See page 31.*

VII. Rail

Includes planning, administration, regulation, safety, and operation of rail systems, both passenger and freight; design, construction, and maintenance of track systems and train control; and communication systems. *See page 33.*

VIII. Freight Transportation (Multimodal)

Includes truck, rail, water, pipeline, and intermodal freight transportation; planning, administration, design, construction, maintenance, regulation, operations, and safety; and transportation of hazardous materials. *See page 34.*

IX. Marine Transportation

Includes planning and management of marine operations including ports, inland waterways, barge and ship cargo systems, ferryboat operations, and intermodal terminals; and global freight logistics, intermodal information technologies, marine environment issues, and related regulations. *See page 35.*

X. Security

Includes vulnerability, criticality, threat, and risk analysis; state, regional, rural, and urban all-hazards security and emergency response preparedness; risk management; needs assessment; structural design guidelines; critical transportation infrastructure (e.g., bridges, tunnels, ferries, and passenger rail) countermeasures; measurement of security performance; and the planning, management, and financing of security. *See page 36.*

Special Reports

- SR287** **Improving Road Safety in Developing Countries: Opportunities for U.S. Cooperation and Engagement; Workshop Summary**, 2006, 0-309-09423-2, 71 pp., \$26
- SR286** **Tires and Passenger Vehicle Fuel Economy: Informing Consumers, Improving Performance**, 2006, 0-309-09421-6, 152 pp., \$28
- SR285** **The Fuel Tax and Alternatives for Transportation Funding**, 2006, 0-309-09419-4, 235 pp., \$30
- SR284** **Transportation Knowledge Networks: A Management Strategy for the 21st Century**, 2006, 0-309-09420-8, 88 pp., \$26


General Publications

Ignition

Ignition is a full-color, biannual publication for TRB's Innovations Deserving Exploratory Analysis (IDEA) programs. Each issue features an interview with an IDEA investigator or a transportation expert who shares a vision of the future that is informed by long experience. Other departments offer brief descriptions of IDEA projects being investigated and news of product development, venture partnerships, and areas of special focus for sponsoring agencies.

TRB E-Newsletter

TRB E-Newsletter is disseminated electronically each week to facilitate research results and other information among transportation professionals. The newsletter regularly covers transportation research developments in the United States and abroad.

To subscribe, send an e-mail to rhouston@nas.edu with "TRB E-Newsletter" in the message's subject field. Confirmation of your subscription to the "transresearchnews" listserv will be sent within five business days. Subscriptions are free. 

TR News

TR News is a bimonthly magazine that features articles on innovative and timely research and development activities in all modes of transportation. Brief news items of interest to the transportation community also are included, along with profiles of transportation professionals, summaries of new publications, and news of TRB activities. An electronic version of each issue is posted on TRB's website four months after the print edition is published.

Single copy: \$10 in North America, \$14 overseas (including postage); annual subscription: \$55 in North America, \$80 overseas

January–February 2006, No. 242

New York City's Subway Century: Rail Transit's Role in Growth and Development. New York City's rapid transformation into the leading metropolis of the United States was linked inextricably to improvements in the transportation infrastructure that overcame a challenging geography.

March–April 2006, No. 243

Traveling Fast Lanes on the Information Highway: Tips for Efficient, Comprehensive Inter-

net Research. Understanding what is and what is not on the web, the search tools, and the basic terminology—and having some sense of adventure—will make a journey on the information superhighway as efficient and useful as a drive along Route 80.

May–June 2006, No. 244

The Interstate Achievement: Getting There and Beyond. A specially themed issue to celebrate the 50th Anniversary of the Interstate Highway System, in which the history, legacy, lessons, and prospects of the Interstate system are examined.

July–August 2006, No. 245

Bridge of Time and Cultures. The fascinating saga of a bridge across the Missouri River is recounted with an accompanying array of photographs.

September–October 2006, No. 246

The Intermodal Container Era: History, Security, and Trends. The golden anniversaries of the Interstate Highway System and container shipping have made 2006 a special year for transportation.

November–December 2006, No. 247

Financing Highways and Transit: Steering Clear of the Breakdown Lane. A transportation engineer and researcher with federal legislative experience presents a primer on transportation finance, identified by TRB as a critical issue.

Transportation Research Records on CD-ROM

Beginning with the 2006 series, the TRR CD-ROM has been discontinued. TRR papers from 1996 will be made available on the web. The CD-ROMs listed below contain the complete annual print edition of technical papers addressing research, practice, and policy in all transportation modes and TRB subscriber categories. Each CD-ROM is a document database that is fully indexed and searchable. The text and graphics can be viewed and printed out in the same format as the print edition. CD-ROMs dating back to 1996 are available for a limited time, or while supplies last. See page 7 for information about the new TRR Online service.

TRRD11 Transportation Research Records 2005, \$600

TRRD10 Transportation Research Records 2004, \$500

TRRCD9 Transportation Research Records 2003, \$400

TRRCD8 Transportation Research Records 2002, \$300

TRRCD7 Transportation Research Records 2001, \$300

TRRCD6 Transportation Research Records 2000, \$200


TRRCD5 Transportation Research Records 1999, \$100

TRRCD4 Transportation Research Records 1998, \$100


TRRCD3 Transportation Research Records 1997, \$100

TRRCD2 Transportation Research Records 1996, \$100


Bus Transit Systems Newsletter

The newsletter is published intermittently to disseminate information on new developments in bus transit systems. It is prepared by the Bus Transit Systems Committee. 

Intercity Rail Passenger Systems Update

The newsletter is published intermittently to disseminate information about current research and development in intercity rail passenger systems. It is prepared by the Intercity Rail Passenger Systems Committee. 

LRT News

The newsletter is published intermittently to disseminate information on new developments in light rail transit planning, technology, operations, new studies, completed research, and current literature and is prepared by the Light Rail Transit Committee. 





Planning, Administration, and Environment

Planning and Administration







- R1987** Air Quality 2006, 2006, 0-309-09997-8, 170 pp., \$55
- R1968** Artificial Intelligence and Advanced Computing Applications, 2006, 0-309-09977-3, 125 pp., \$48
- EC088** Commodity Flow Survey Conference, 2005 
- NR550/
TC110** Commuting in America III: The Third National Report on Commuting Patterns and Trends, 2006, 0-309-09853-X, 196 pp., \$60
- NR569** Comparative Review and Analysis of State Transit Funding Programs, 2006, 0-309-09868-8, 94 pp., \$35
- TW029** Cost–Benefit Analysis of Providing Non-Emergency Medical Transportation, 2006 
- XCRTCL** Critical Issues in Transportation, 2006, 12 pp., no charge
- TW032** Elements Needed to Create High-Ridership Transit Systems: Interim Guidebook, 2006 
- EC106** Environmental Geospatial Information for Transportation, 2006 
- NW086** Estimating the Impacts of the Aging Population on Transit Ridership, 2006 
- NR565** Evaluation of Best Management Practices for Highway Runoff Control (with supporting material on CD-ROM), 2006, 0-309-09869-4, 132 pp., \$49
- TD075** Executive Summary: Cost–Benefit Analysis of Providing Non-Emergency Medical Transportation, 2006, 5 pp., \$15
- R1960** Finance, Economics, and Economic Development 2006, 2006, 0-309-09969-2, 166 pp., \$55
- HRD311** FMCSA Regulations as They Apply to FTA Section 5310/5311 Providers: A Handbook, 2006, 32 pp., \$17
- SR285** The Fuel Tax and Alternatives for Transportation Funding, 2006, 0-309-09419-4, 235 pp., \$30
- EC108** Geospatial Information Technologies for Asset Management, 2006 

- NR552** Guidelines for Analysis of Investments in Bicycle Facilities, 2006, 0-309-09849-1, 110 pp., \$36
- HRD306** Identification of Liability-Related Impediments to Sharing Section 409 Safety Data Among Transportation Agencies and a Synthesis of Best Practices, 2006, 14 pp., \$15
- SR287** Improving Road Safety in Developing Countries: Opportunities for U.S. Cooperation and Engagement; Workshop Summary, 2006, 0-309-09423-2, 71 pp., \$26
- NR546** Incorporating Safety into Long-Range Transportation Planning (CD-ROM), 2006, 0-309-08846-1, \$29
- EC091** Innovations in Statewide Planning: A Peer Exchange, 2006 
- HRD310** Integrating Geospatial Technologies into the Right-of-Way Data-Management Process, 2006, 13 pp., \$15
- EC097** International Perspectives on Urban Street Design: Proceedings of the Context-Sensitive Design Workshop, 2005 
- TD077** International Transit Studies Program, Report on the Fall 2005 Mission: Innovative Techniques in the Planning and Financing of Public Transportation Projects, 2006, 16 pp., \$15
- EC100** Linking Transportation and Land Use: A Peer Exchange, 2006 
- EC098** Maintenance Management 2006: Presentations from the 11th AASHTO–TRB Maintenance Management Conference, 2006 
- R1956** Management and Public Policy 2006, 2006, 0-309-09965-X, 192 pp., \$58
- R1958** Managing and Maintaining Highway Structures and Pavements, 2006, 0-309-09967-6, 99 pp., \$47
- TD078** Managing Capital Costs of Major Federally Funded Public Transportation Projects, 2006, 11 pp., \$15
- TW031** Managing Capital Costs of Major Federally Funded Public Transportation Projects: Contractor’s Final Report, 2006 
- EC083** National Roundabout Conference: 2005 Proceedings 
- R1957** National, State, and Freight Data Issues and Asset Management, 2006, 0-309-09966-8, 83 pp., \$45
- R1964** Network Modeling 2006, 2006, 0-309-09973-0, 269 pp., \$65
- EC095** Operations Data for Planning Applications: Identifying Needs, Opportunities, and Best Practices, 2006 
- NR551** Performance Measures and Targets for Transportation Asset Management, 2006, 0-309-09847-5, 170 pp., \$42

Code Key


CP = Conference Proceedings	LRD = NCHRP Legal Research Digest	TC = Transit Cooperative Research Program (TCRP) Report
CRPD = Cooperative Research Programs Project Reports on CD-ROM	NR = NCHRP Report	TD = TCRP Research Results Digest
CTBD = Commercial Truck and Bus Safety Synthesis Program (CTBSSP) Research Results Digest	NW = NCHRP Web-Only Document 	TL = TCRP Legal Research Digest
CTBS = CTBSSP Synthesis of Safety Practice	R = Transportation Research Record: Journal of the Transportation Research Board	TS = TCRP Synthesis of Transit Practice
EC = Transportation Research E-Circular 	SSTL = Selected Studies in Transportation Law	TW = TCRP Web-Only Document 
HRD = National Cooperative Highway Research Program (NCHRP) Research Results Digest	SYH = NCHRP Synthesis of Highway Practice	SR = Special Report
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Planning and Administration *(continued)*

- R1981** Planning and Analysis 2006, 2006, 0-309-09991-9, 178 pp., \$58
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- XCRTCL** Critical Issues in Transportation, 2006, 12 pp., no charge
- R1983** Energy and Environmental Concerns 2006—Including 2006 Thomas B. Deen Distinguished Lecture, 2006, 0-309-09993-5, 182 pp., \$58

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- HRD308** Changes to the Mechanistic–Empirical Pavement Design Guide Software Through Version 0.900, July 2006, 2006, 22 pp., \$15
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- NW083** Scour at Contracted Bridges, 2006 
- NW088** Service Life of Corrosion-Damaged Reinforced Concrete Bridge Superstructure Elements, 2006 
- NW078** Simplified Shear Design of Structural Concrete Members: Appendixes to NCHRP Report 549, 2006 
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- NW081** Design and Construction Guidelines for Geosynthetic-Reinforced Soil Bridge Abutments with a Flexible Facing: Appendix C to NCHRP Report 556—Verification of the Analytical Model, 2006 
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- R1948** Management and Delivery of Maintenance and Operations Services, 2006, 0-309-09957-9, 176 pp., \$58
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- EC087** Rubblization of Portland Cement Concrete Pavements, 2005 [📄](#)
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