

RESEARCH GUIDE

Transportation Policy, Operations, and Logistics

George Mason University Libraries

The purpose of this guide is to provide research assistance to students in the Transportation Policy, Operations, and Logistics (TPOL) master's program at George Mason's School of Public Policy. While dissecting the complex institutional and legal environment in which transportation facilities and services are planned, designed, constructed, implemented, and retired, students will find the following resources to be quite valuable to their academic research. The reference sources, circulating materials, and online resources found in this guide have been compiled by librarians in an effort to help students obtain the information they require in a helpful manner.

LIBRARY CATALOGS

GMU Library Catalog * WRLC-ALADIN Catalog * OCLC WorldCat

GMU Library users have access to three main Library Catalogs for looking up holdings information on books, journals and media resources. The GMU Library Catalog provides information on resources held in one or more of GMU's four libraries-Arlington, Fenwick (Fairfax), Johnson Center (Fairfax), or Mercer (Prince William). ALADIN, the Washington Research Libraries Consortium Catalog contains information on resources available at any of the 9 libraries that are members of that consortium group. OCLC-Worldcat is an international union catalog that contains information on resources held in libraries worldwide, including George Mason University. All three catalogs may be accessed on-line from any computer, and may be searched using keywords, subject terms, author and title information. Some **Library of Congress subject headings** for transportation policy research are listed below:

Subject Headings:

policy sciences
transportation
transportation agencies--Management.
transportation and state -- United States
Transportation--Economic aspects--United States.
Transportation policy--Congresses.

RECENT TITLES - TRANSPORTATION (Available in Arlington Campus Library Stacks)

- HE9781 .W45 2004** **Air transportation: a management perspective**, by A. T. Wells, John G. Wensveen.
- HE206.2 .D55 2003** **American transportation policy**, by Robert Jay Dilger.
- HE203 .W75 2004** **Chronology of transportation in the United States**, by Russell O. Wright.
- HC79.C3 D485 2004** **Digital infrastructures: enabling civil and environmental systems through information technology**, edited by Rae Zimmerman and Thomas Horan.
- TA1235 .E36 2004** **Economic impacts of intelligent transportation systems: innovations and case studies**, edited by Evangelos Bekiaris and Yuko J. Nakanishi.
- HE308 .G54 2003** **Flexible urban transportation**, by Jonathan L. Gifford.
- HE193.H32 2005** **Handbook of transport strategy, policy and institutions**, edited by Kenneth J. Button, David A. Hensher.
- VK200 .K75 2005** **Maritime transportation: safety management and risk analysis** by Svein Kristiansen.
- TD195.T7 043 2002.** **OECD guidelines towards environmentally sustainable transport.**
- HE4451 A552** **Public transportation fact book.**
- HE151 .T634 2003** **Transport and information systems**, edited by Roger Stough . . . [et al.].
- HE151 .T73 2004** **Transport developments and innovations in an evolving world**, edited by M. Beuthe.
- HE242.A2 S74 2004** **Transport policy in the European Union** by Handley Stevens.

REFERENCE AND BIBLIOGRAPHY RESOURCES
REFERENCE SOURCES – TRANSPORTATION

- HE203 .R54**
Fenwick Reference **The ABC-CLIO Companion to Transportation in America**, California: ABC-CLIO, c 1995
- HE9780 .S65 2002**
ACL, FEN REF **The airline encyclopedia**, 1909-2000 / Myron J. Smith, Lanham, MD: Scarecrow Press, c2002.
- HE141 .E53 2000**
Arlington Reference **Encyclopedia of transportation**. New York: Macmillan Reference USA, 2000-
- HF5761 .G56x 1997**
Arlington Reference **Glossary of terms: brokerage, transportation, warehousing**. St. Albans: VT, A.N. Deringer, c1997.
- HE194.5.U6 G73**
Arlington Reference **The Grey House transportation security directory & handbook**. Millerton, NY : Grey House Pub., c2005-
- TA1151 .H34 2004**
Arlington Reference **Handbook of transportation engineering**, New York : McGraw-Hill, c2004.
- HE4201 .J36**
Fen Ref, stacks **Jane's Urban Transport Systems**, Surrey, England: Jane's Pub. Co., annual.
- HG4971 .M67**
Fen Ref and microfiche **Moody's Transportation Manual**, New York: Moody's Investors Service, annual.
- TD12.17:AT6/2003**
Fen Govt. Docs and CD-Rom Collection **NTAD National Transportation Atlas Databases 2003**. Washington, DC: U.S. Department of Transportation, Bureau of Transportation Statistics, 2003.
- HE9.U5 P586**
Arlington Reference **Plunkett's transportation, supply chain & logistics industry almanac**, Houston, Tex.: Plunkett Research, c2004-
- HE331.A12 S68 2001**
Arlington Reference **Sources of information in highways: a bibliography** / edited by Daniel C. Krummes. Berkeley, CA: Institute of Transportation Studies, University of California, c2001.

STATISTICAL SOURCES

County and City Data Book, Bureau of the Census, Washington DC: U. S. Government Printing Office, c2000. Internet links: <http://purl.access.gpo.gov/GPO/LPS29932>; <http://fisher.lib.virginia.edu/ccdb/>.

C 3.134/2: C 83/2/ Fenwick Government Documents & **HA202 .A36** Arlington and Fenwick Reference

Dictionary of U.S. Government Statistical Terms, Palo Alto, CA: Information Publications, c1991. **HA1 .D53 1991** Fenwick Reference

G-7 Countries: Transportation Highlights. Washington, DC: U.S. Department of Transportation, Bureau of Transportation Statistics, 1999.

TD 12.2:T68 Fenwick Government Documents

INSTAT: International Statistical Sources, New York: Routledge, c1995.

HA155 .I68 1995 Arlington, Fenwick & Prince William Reference

USA Counties, Bureau of the Census, Washington DC: U. S. Government Printing Office, 1998.

C 3.134/6: Fenwick Government. Documents, CD-ROM

World Communication and Transportation Data, California: ABC-CLIO, c1989.

HE7631 .W672 Fenwick stacks

SPECIAL COLLECTIONS - FENWICK LIBRARY

The Special Collections Department in Fenwick Library maintains a collection of several documents focusing on various aspects of the transportation field, especially where the emphasis is on the Washington Metropolitan Area or Virginia's cities, counties and towns. Following is a list of selected documents from this collection.

- **Existing Transportation Systems in the Washington Metropolitan Area: A Findings Report**, Washington, DC: Metropolitan Washington Council of Governments, National Capital Region Transportation Planning Board, c1972. **SP C HE310.W3 S27 1972**
- **The Long Range Transportation Plan for the National Capital Region**, National Capital Region Transportation Planning Board. Stephen S. Fuller Collection. **SP C HE310 .W3 N38 1994 Suppl. A,B,C**
- **Mass Transportation Survey, National Capital Region: Traffic Engineering Study**, 1958, Wilbur Smith and Associates. United States: National Capital Planning Commission, National Capital Regional Planning Council (U.S.). Stephen S. Fuller Collection. **SP C HE4491 .W32 1959s**

- **Northern Virginia Challenges: The 1990s and Beyond**, edited by Joseph L. Fisher and Richard T. Mayer. Papers from the Local Government Forum, "Northern Virginia: Now to 2000," held November 16, 1988, at George Mason University, by the Department of Public Affairs and School of Continuing and Alternative Learning. SP C **F231.2 .N67 1988** (Circulating copies are also available in the Fenwick stacks.)
- **Testing of Transportation Plan Alternatives**, Washington, DC: National Capital Region Transportation Planning Board, Metropolitan Washington Council of Governments, c1976. SP C **HE4491.W3 M487**
- **Thomas Blackburn Deen Papers: Finding Aid & Research Guide with Index/** compiled by Jennifer L. Smith. The subject focus of this book is transportation engineers, transportation planning, and transportation policy. SP C **F231.3.D44 A3 1999** (Also in Arlington and Fenwick Reference)
- **William L. Mertz Collection:** Collection includes transportation-related materials: journal articles, Congressional acts, official reports and studies, summaries of speeches, and personal correspondence. Topics include: Federal Highway Acts, bridges, buses, environment, city transportation, commuting, and trucking. Also includes a finding aid/research guide with index. SP C **HE151 .W56 1995** (Also in Arlington, Fenwick & Prince William Reference)

ELECTRONIC JOURNALS*

Electronic journals can be accessed via <http://library.gmu.edu>, under "E-Journal Finder." The following is only a brief listing of e-journals. Search the E-Journal Finder for more titles.

- **IEEE transactions on intelligent transportation systems, 2000 -**
- **Journal of transport geography, 1993 -**
- **Transport policy, 1993 -**
- **Transportation, 1982 -**
- **Transportation journal, 1981 -**
- **Transportation Law Journal, 1969 -**
- **Transportation research. Part A, Policy and practice, 2003 -**
- **Transportation research. Part B: Methodological, 2003 -**
- **Transportation research. Part C, Emerging technologies, 2003 -**
- **Transportation research. Part D, Transport and environment, 2003 -**
- **Transportation research. Part E, Logistics and transportation review, 2003 -**
- **Transportation research. Part F, Traffic psychology and behaviour, 2003 -**
- **Transportation science, 1999 -**

"Print copies of many of these journals are also available in the GMU Libraries' collections.

ELECTRONIC DATABASES

The following resources are available via <http://library.gmu.edu>, under “**databases.**” The **databases** most relevant to Transportation Policy research are listed under “Public Affairs and Policy Studies” and “Government Documents.” *Off-campus access to databases is restricted to GMU students, faculty and staff only*

Applied Science & Technology Abstracts

Abstracts and indexes periodicals covering the fields of engineering, aeronautics, chemistry, computer technology and applications, earthsciences, energy and environment, mathematics, metallurgy and physics.

EconLit

Indexes and abstracts 400 journals as well as working papers, dissertations and books. Produced by the Journal of Economic Literature.

ENGnetBase

Provides electronic access to a large collection of engineering handbooks published by CRC Press.

Factiva

Delivers articles from more than 4,000 Reuters and Dow Jones journalists worldwide - just minutes after the news appears in real-time services. Factiva provides access to more than 900 non-English sources.

INSPEC

Scientific and technical journals and conference proceedings in physics, electrical engineering and electronics, computing and control, and information technology

LexisNexis Academic

Provides access to a wide range of news (includes New York Times, Washington Post, LA Times), business (company news, industry forecasts), government (legislative news, tax information), legal (news, case law) and reference information.

National Technical Information Service (NTIS)

NTIS research reports, compiled by the US National Technical Information Service, cover such fields as engineering, biotechnology, the environment, health and safety, business, and the physical, biological and social sciences.

Public Affairs Information Service (PAIS)

Formerly PAIS Decade, this database consists of articles, books, conference proceedings, government documents, book chapters, and statistical directories.

Transport

Database of transportation research information. It is produced by the 25-nation Organisation for Economic Co-operation and Development together with the United States' Transportation Research Board and the European Conference of Ministers of Transport.

FREE SEARCHABLE TRANSPORTATION DATABASES (Government & Others)

Bureau of Transportation Statistics

<http://www.bts.gov>

Under the auspices of the Department of Transportation, "BTS supplements the data collection programs of other agencies and serves as the lead agency in developing and coordinating intermodal transportation statistics."

Bureau of Transportation Statistics Data Directory

<http://www.transtats.bts.gov/DataIndex.asp>

Contains links to databases in which some are searchable, some include full-text documents and some require you to download selected programs/applications in order to view the documents.

Department of Transportation

<http://www.dot.gov>

This website provides official government documentation on all aspects of transportation.

Europa

<http://europa.eu/>

Provides up-to-date coverage of European Union affairs and essential information on European integration. Users can also consult all legislation currently in force or under discussion, access the websites of each of the EU institutions and find out about the policies administered by the European Union under the powers devolved to it by the Treaties.

National Academies Library

<http://www.trb.org/trb/publications/trbpublicationsindex.asp>

The publication holdings of the Transportation Research Board, this database maintains current research results, i.e., books, reports and miscellaneous publications on transportation policy and practices.

Office of Inspector General, U.S. Department of Transportation

<http://www.oig.dot.gov>

This website offers searching of D.O.T. documents back to 1997, including audits, investigations and Congressional testimony. Also included are aviation security reports and documents on agency management.

TRIS (Transportation Research Information Services)

<http://ntlsearch.bts.gov/tris/index.do>

Provides bibliographic records, and some full-text, of transportation research published in books, journal articles, and technical reports. TRIS also includes links to the International Road Research Documentation database.

U.S. Government Fedstats

<http://www.fedstats.gov>

More than 70 agencies in the United States Federal Government produce statistics of interest to the public. The Federal Interagency Council on Statistical Policy maintains this site to provide easy access to the full range of statistics and information produced by these agencies for public use.

Virtual Library-Transportation

<http://www.bts.gov/virtualib/>

This website is offered by the U.S. Bureau of Transportation Statistics as a portal for all types of transportation information, with links to such diverse areas as road conditions, rail, space, and transportation activism.

ACADEMIC TRANSPORTATION LIBRARIES**Committee on Institutional Cooperation (CIC) Historic Railroad Collection**

<http://www.library.northwestern.edu/transportation/cic8/cic8.html>

A large collection of endangered railroad journals and books dating from 1832 to 1975 has been reformatted to microfilm and is available to loan or purchase through the above link. A total of 46 journal titles (1,319 volumes) and 217 books have been converted in order to preserve the fragile original documents for posterity.

Mississippi State University, Remote Sensing Technology Center

<http://www.rstc.msstate.edu/trmain.html>

Sustainable and efficient infrastructures for transportation and utilities are the areas of focus.

Northwestern University, Transportation Library

<http://www.library.northwestern.edu/transportation>

NU Transportation Library's collection includes: A. "NUcat" (NU's catalog, including Transportation Library holdings), B. "TRANweb" (The Transportation Library's periodical index), and C. TRANSPORTATION e-Resources.

Rutgers University, Alan M. Voorhees Transportation Center (VTC)

<http://www.policy.rutgers.edu/vtc/>

This website includes descriptions of sponsored projects and workshops, as well as some fulltext articles.

San Jose State University, Mineta Transportation Institute

<http://transweb.sjsu.edu/>

Provided here are research and annual reports, as well as other material related to education and technology transfer among the various transportation modes.

University of California at Berkeley, Harmer E. Davis Transportation Library

<http://www.lib.berkeley.edu/ITSL>

Under its auspices is the database PATH, Partners for Advanced Transit and Highways, which indexes research in intelligent transportation systems (ITS). Documents include monographs, technical reports, conference proceedings, journal articles, theses and websites. Also included are links to some full text sources.

University of Maine, Fogler Library

<http://www.library.umaine.edu/searchall.asp?F=S&Transportation>

The focus of this research guide is transportation engineering.

University of Pennsylvania, Lippincott Library at Wharton

<http://gethelp.library.upenn.edu/guides/business/transportation.html>

Directories, statistical sources, and periodicals are among the resources listed in this research guide. Rail, air, road and water transportation are included in the categories.

STATE TRANSPORTATION WEB SITES AND LIBRARIES

State Transportation Websites (U.S. Department of Transportation)

<http://www.fhwa.dot.gov/webstate.htm>

Links to the transportation websites for all 50 states are provided here.

Massachusetts State Transportation Library

<http://www.stlibrary.org/>

“The Library’s collection covers all modes and aspects of transportation. Resources include materials on Transit, Rail, Motor Vehicles, Roads, Bridges, Pedestrians, Bicycles, and Design and Planning”

Minnesota Transportation Libraries

<http://www.dot.state.mn.us/library/mtl.html>

“The program provides services through the Mn/DOT Library and the CTS Library. The combined catalog can be searched on-line to identify books and reports on various aspects of transportation held by the libraries.”

The Virginia Tech Transportation Institute (VTTI)

<http://www.vtti.vt.edu/>

The Institute strives to encourage research, to attract a multidisciplinary core of researchers, and to educate students in the latest transportation technologies through hands-on research and experience.

Virginia Transportation Research Council

<http://vtrc.virginiadot.org/>

Areas of focus include: improving transportation safety, building and maintaining a better transportation infrastructure, making the transportation system operate more efficiently and effectively, introducing new technologies into practice, advancing the state-of-the-art in transportation, assessing the social and environmental impacts of transportation, and providing a high return on the investment in the Research Council.

Washington State Department of Transportation Library

<http://www.wsdot.wa.gov/Library/Default.htm>

Contains records for the print materials held in the WSDOT Library and the Materials Lab Library, sometimes with a link to an online version of a report.

OTHER TRANSPORTATION WEB SITES**American Public Transportation Association**

<http://www.apta.com/>

The official Web site of the international organization comprised of bus, rapid transit, and commuter rail systems, and of the organizations responsible for planning, designing, constructing, and operating transit systems.

Freightworld

<http://www.freightworld.com/>

A directory of links to major airlines, railroads, airports, seaports, and other organizations that constitute the international transportation infrastructure.

The National Center for Geographic Information and Analysis

<http://www.ncgia.ucsb.edu/>

NCGIA is dedicated to basic research and education in geographic information science and its related technologies, including geographic information systems (GIS).

FENWICK LIBRARY- GEOGRAPHIC INFORMATION SYSTEMS (GIS)

- . Government Documents and Maps Department, First Floor of Fenwick Library, provides access to GIS software, hardware and datasets in ArcView format.
- . If you have questions about this service, or to schedule a time to use the GIS terminal, please contact the Government Documents/Maps Librarian, Joy Suh, at 703-993-2238, or by e-mail at hsuh1@gmu.edu .