

### **Introduction:**

Transportation affects our lives when we drive a car, fly a plane, ride the El or Metra, board a bus, or even cross the street. The University Library has a variety of materials related to transportation research. Government agencies produce a variety of publications dealing with various aspects of transportation such as railroads, airplanes, ships, and highways. You may use UICCAT to search for books, reports, theses and dissertations, government documents, maps, etc available at UIC. Some sample subject headings include:

- Transportation (for general materials; please note the "See Also" reference in UICCAT)
- Transportation and State United States (for policy driven materials)
- Local Transit (used instead of Mass Transit)
- Urban Transportation (please note the "See Also" reference in UICCAT)
- Urban Transportation Illinois Chicago
- Urban Transportation Illinois Chicago Metropolitan Area

### **Selected books of interest in Transportation:**

- **Encyclopedia of Transportation** published by MacMillan Reference. Details different methods of transportation, key events, people, and social, economic, and political issues in the history of transportation. Daley Reference HE141 .E53 1999 (6 volumes)
- **National Transportation Statistics** prepared by Research and Special Programs Administration, Transportation Systems Center, Transportation Information Division, Statistical Information Reporting Branch. Daley Microforms TD 9.10: nos. [http://www.bts.gov/publications/national\\_transportation\\_statistics/index.html](http://www.bts.gov/publications/national_transportation_statistics/index.html)
- **Transportation Statistics Annual Report (TSAR)** - TSAR provides the most comprehensive overview of U.S. transportation that is done on an annual basis. TSAR examines the extent of the system, how it is used, how well it works, how it affects people and the economy, and how it relates to energy use and environmental impacts. It also outlines the state of transportation statistics and new developments in data collection and analysis. Daley Microforms TD 12.1: nos.
- **Trip generation: Trip Generation Rates, Plots and Equations.** 6th ed., Washington DC: Institute of Transportation Engineers, 1997. Daley Book Stacks HE371.A3 T76 1997 v. 1-3

### **Selected books of interest in Planning:**

- **Cities and Towns in American History: A Bibliography of Doctoral Dissertations** by Arthur P. Young. Provides geographical and topical indexes to U.S. doctoral dissertations in planning, design, urbanization, and housing. Daley Book Stacks Z7164.U7 Y7 1989
- **CPL Bibliography** created by the Chicago Council of Planning Librarians, 1979-1996. Daley Books Stacks, Daley Storage (call number varies). A bibliographic series dedicated to specific topics related to planning, urbanization, or planning-related problems. Cumulative indexes published irregularly (numbers 1-207 appears in no. 207, numbers 1-253 in no. 253, numbers 254-327 in no. 328).
- **Dictionary of American Communal and Utopian History** by Robert S. Fogarty. Westport, CT: Greenwood Press, 1980. Daley Book Stacks HX653 .F6
- **Doing Urban Research** by Gregory D. Andranovich, Gerry Riposa. Daley Book Stacks, HT110 .A56 1993. A guide to the theory and methodology of urban planning research.
- **Encyclopedia of Community Planning and Environmental Management** by Marilyn Spigel Schultz, Vivian Loeb Kasen ; illustrations by Diane Callahan Caro. New York, N.Y.: Facts on File, c1984. Daley Reference HD108.6 .S38 1984

- **Encyclopedia of Urban America: the Cities and Suburbs** edited by Neil Larry Shumsky. Santa Barbara, Calif. : ABC-CLIO, c1998 (2 volumes). Daley Reference HT123 .E5 1998
- **Encyclopedia of Urban Planning.** Arnold Whittick, editor-in-chief., 1974. Daley Book Stacks HT166 .E5 The most comprehensive source for background research in planning with a British emphasis. Defines terms and concepts used in urban planning, identifies prominent planners, and illustrates 48 countries that have planning legislation and administration. Includes photographs and maps.
- **Information Sources in Urban and Regional Planning: A Directory and Guide to Reference Materials** by Edward E. Duensing Daley Book Stacks Z5942 .D87 1994. An annotated guide to the planning materials (including computer software) published since 1979. Provides a guide to planning organizations according to discipline.
- **The City: A Dictionary of Quotable Thought on Cities and Urban Life** by James A. Clapp, 1984. Daley Reference Stacks HT111 .C576 1984. A compilation of over 1,000 writers, speakers, poets, politicians, architects, historians, etc. thoughts on cities and urban life.
- **The Language of Cities: A Glossary of Terms** by Charles Abrams. Daley Books Stacks HT108.5 .A24 1972
- **The Municipal Yearbook.** 1934- present; annual publication (latest version behind the 2<sup>nd</sup> floor Reference Desk) A handbook for city managers and other officials, it is a practical guide to current policy issues, a compilation of statistics, and a set of useful county and municipal directories, including phone numbers.
- **The Small Town Planning Handbook** by Thomas L. Daniels, John W. Keller, Mark B. Lapping. 2nd edition, 1995. Daley Book Stacks HT167 .D36 1995. Covers the spectrum of planning issues for non-urban places and is "intended for use in small cities, rural counties, and towns of about 1,000 to 10,000 people."
- **World Encyclopedia of Cities** by George Thomas Kurian, 1994. Issued in two volumes, vol. 1 covers North America (U.S. A-M) and vol.2 covers North America (U.S. N-Z, & Canada Daley Reference Stacks, HT108.5 .K87 1994. Overview of cities in North American examining the growth of cities and issues related to this growth.
- **Zoning and Planning Law Handbook** edited by Mark S. Dennison, Daley Book Stacks KF5697.A152 Z66 1987, 1989, 1991, 1993. Presents a comprehensive review and analysis of the significant recent developments and projected trends in the land use and zoning field.

#### **Selected Journals:**

- BTS, Journal of Transportation and Statistics vol. 1 (1998) – present  
[http://www.bts.gov/publications/journal\\_of\\_transportation\\_and\\_statistics/](http://www.bts.gov/publications/journal_of_transportation_and_statistics/)

An interesting article in JTS: "Truth in Transportation Planning" by Donald C. Shoup  
[http://www.bts.gov/publications/journal\\_of\\_transportation\\_and\\_statistics/volume\\_06\\_number\\_01/html/paper\\_01/](http://www.bts.gov/publications/journal_of_transportation_and_statistics/volume_06_number_01/html/paper_01/)

- Transportation Research Parts A – F  
Available on ScienceDirect and in print (Check UICCAT for holdings)
- Journal of Transportation Engineering vol.109 (1983) - present  
TA1001 .A513

A number of transportation journals and journal articles are available full-text online. A list of electronic journal collections available to Daley Library users is available on the Electronic Journals page (available through the QuickLinks feature from the home page). Some things to keep in mind when using electronic journals:

- It is often possible to search journal collection sites for articles on a specific topic. Keep in mind that this type of search is very limited. It is also a good idea to search some of the indexes listed below for broader coverage of a topic over a longer time period.
- Don't limit your search just to articles that are available online.
- In addition to electronic journal collections, full-text articles are available online through a number of indexes.

**Electronic journal collections & databases that include transportation-related journals and journal articles include:**

- **ABI/Inform** is a database indexes and abstracts more than 1,600 leading business and management publications, including over 350 English-language titles from outside the U.S. For many journals, coverage includes full-text.
- **Applied Science and Technology Abstracts** Includes interviews, meetings, conferences, exhibitions, discussions, corrections, continued articles, new product reviews, new product announcements, technically valuable editorials and letters, tables, charts, diagrams, buyers' guides, directories, and conference proceedings.
- **Dissertation Abstracts** contains more than 1.5 million entries representing the work of authors from over 1,000 North American and European universities. Includes dissertations accepted at accredited U.S institutions since 1861. Selectively covers masters theses, Canadian dissertations, and British and other European dissertations. Titles published since 1997 are available in PDF digital format and have 24 page previews available. Dissertations may be ordered via Interlibrary Loan or purchased directly from University Microforms International (UMI).
- **EconLit** covers journals, books, and working papers on economics and includes issues relating to transportation.
- **Engineering Village** (includes Compendex) The most comprehensive index of engineering research literature. Search Engineering Index online for the years 1970 - present. Historical (pre-1970) volumes of Engineering Index are available in the Engineering Library.
- **Environmental Management and Pollution Management** provides comprehensive coverage of the environmental sciences. Abstracts and citations are drawn from over 4000 scientific journals and thousands of other sources including conference proceedings, reports, monographs, books and government publications.
- **GeoRef** is the most comprehensive database in the geosciences containing over 2.2 million references to geoscience journal articles, books, maps, conference papers, reports and theses. Coverage includes geology of North America from 1785 to the present and the geology of the rest of the world from 1933 to the present
- **ICPSR (Inter-University Consortium for Political & Social Research)** is a vast archive of machine-readable social science data files covering a wide range of academic disciplines, including political science, sociology, demography, history, economics, international relations, gerontology, public health, criminal justice, and education.
- **IEEE/IEE Electronic Library Online** includes IEEE/IEE journals, conference proceedings and standards. The IEEE/IEE Electronic Library provides full-text access to IEEE and IEE journals, conference proceedings, and standards covering electrical and computer engineering, electronics, computer science, and physics.
- **Index to Current Urban Documents** (print resource located in Reference Index Table under the call number Z7165.U5 I654. Ceased print publication in 2000 but indexes reports and research generated by local government agencies, civic organizations, academic and research organizations, public libraries, and metropolitan and regional planning agencies. UIC has microfiche collection for Cook County and Chicago.
- **NTIS (National Technical Information Service)**<http://www.ntis.gov/search/> The NTIS database is the major resource for locating U.S. Government-sponsored research reports and studies in the physical sciences, technology, engineering, biological sciences medicine and health sciences,

agriculture, and social sciences. It also contains the results of government-sponsored research and development from countries outside the U.S. Note: older reports are indexed in print resource entitled GRA&I (Government Reports, Announcements & Index) located in storage under the SuDoc number C 51.9/3: date

- **PAIS** (Public Affairs Information Service International). Covering the full range of political, social, and public policy issues including issues relating to transportation.
- **Sage Urban Studies Abstracts**. This journal is a cross-indexed abstracts of important recent literature (plus related citations) on all aspects of urban studies. Please note that the abstracts provide full citation information to locate the source of the articles.
- **Sanborn Maps** (1867-1970). Over 660,000 large-scale digital maps of more than 12,000 American towns and cities. In electronic form, Sanborn Maps take on much improved value over the microfilm versions of the same maps, allowing for greater flexibility of use and improved viewing possibilities. Users have the ability to easily manipulate the maps, magnify and zoom in on specific sections, and layer maps from different years. In addition, UIC has the microfiche collection plus a guide to this collection.
- **Standards - Information Handling Services** provides electronic full-text of current ASTM (American Society for Testing and Materials) Standards and SAE - Society of Automotive Engineers.
- **TRAN** – a journal article index available from the Transportation Library at Northwestern University
- **TRIS Online** - The Transportation Research Information Services (TRIS) Database is the world's largest and most comprehensive bibliographic resource on transportation information. TRIS is produced and maintained by the Transportation Research Board at the National Academy of Sciences. TRIS contains over a half million records of published and ongoing research on all modes and disciplines in the field of transportation.
- **U.S. Census (CenStats)** – coverage varies by series <http://censtats.census.gov/> A free service for some U.S. Census Bureau data, including Census Tract Street Locator, USA Counties, County Business Patterns, Zip Code Business Patterns, as well as others.
- **Web of Science** is the Science Citation Index is a multidisciplinary database, with searchable author abstracts, covering the journal literature of the sciences. Contact a librarian for information on using some of the special features of this database.

#### **Other web sites of interest:**

The following web sites offer access to technical reports, standards, news releases, grants, progress reports, studies, and statistical analysis. The best way to find the current URL for these sites is to use GOOGLE/UNCLESAM search engine or FIRSTGOV.GOV

Transportation Research Board  
Illinois Department of Transportation  
National Aeronautic and Space Administration  
NASA Technical Report Server for links to technical reports

National Transportation Safety Board

U.S. Department of Transportation and various agencies listed from this homepage, including the

1. National Transportation Library full-text information "throughout the transportation community"
2. Bureau of Transportation Statistics

TranStats - a source of data from every mode of transportation.

Federal Aviation Administration

Federal Highway Administration

Federal Railroad Administration

National Highway Traffic Safety Administration

DOE Information Bridge includes full-text research reports related to energy studies.