

NEW MEXICO DEPARTMENT OF TRANSPORTATION

RESEARCH BUREAU

Innovation in Transportation

Transportation Resources @ the Library

Prepared by:

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Research Bureau and
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Prepared for:

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In Cooperation with:

The US Department of Transportation
Federal Highway Administration

Transportation Resources

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TRANSPORTATION RESOURCES

by

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for

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Transportation Resources @ the Library

As part of the NMDOT Research Bureau Library's customer service we have developed an e-book containing useful transportation resources. This is a work-in-progress as we invite you to submit additional entries. Contact: research.bureau@state.nm.us or 505.841.9150 for further information or to submit a URL.

Our goal is to help transportation professionals save time and money in their search for technical and administrative information. "Professionals still report that they face an overwhelming volume of information and have difficulty locating and retrieving many technical reports, even those in digital form."¹

According to a recent study Government agencies that used libraries saved 12.2 hours on average per interaction. Financially they saved \$2,575 per use. Two-thirds of users across all sectors used "library-provided information to support decisions, actions, and strategies...Government end-users were the most reliant on library information (72%)²." **How can we help you?**

1. Transportation Knowledge Networks: A Management Strategy for the 21st Century. Transportation Research Board of the National Academies. Washington D.C. 2006.
2. Return on Investment in Libraries. White Paper. Outsell Inc. 2007

Asset Management

- ▶ Midwest Regional
University Transportation Center,
University of Wisconsin – Madison
Studies the Optimization of Transportation
Investment & Operations.
<http://www.mrutc.org/newsletters/>

Aviation

- ▶ ACRP Reports and Syntheses
First published in 2007 by the Transportation Research Board
<http://pubsindex.trb.org/default.asp> > in the search box type in *ACRP* for a full list of titles
Available from the Research Bureau 505.841.9150 or research.bureau@state.nm.us

Bicycling

- ▶ BikeWalk
<http://www.bikewalk.org/newsletterarchives.php>

Bridges

- ▶ Roads and Bridges
Free magazine
Print version is available at the Research Bureau library 505.841.9150
or research.bureau@state.nm.us
<http://www.roadsbridges.com/>
- ▶ Bridge Engineering
<http://www.scsolutions.com/bridge.html>
- ▶ Bridge Design & Engineering
Excerpts from their magazine
<http://www.bridgeweb.com/>
- ▶ Aspire
Concrete Bridge Magazine
ASPIRE is a quarterly magazine published by the Precast/Prestressed Concrete Institute (PCI) in cooperation with the associations of the National Concrete Bridge Council. The editorial content focuses on the latest technology and key issues in the Concrete Bridge Industry.
<http://www.aspirebridge.org/>

Bridges

- ▶ Bridges at Federal Highway
<http://www.dot.fhwa.gov/bridges>

Cement

- ▶ Portland Cement Association
Free e-newsletters on a variety of topics.
<http://www.cement.org>

Cost Management

- ▶ GAO Best Practices for Developing and Managing Capital Program Costs:
Best Practices for Developing and Managing Capital Program Costs. March 2009
<http://www.gao.gov/products/GAO-09-3SP>

Engineering (Civil)

- ▶ Civil Engineering
Free issues online.
<http://pubs.asce.org/magazines/cemag/2008>

Energy

- ▶ Petroleum Marketing Monthly
http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_marketing_monthly/pmm.html
- ▶ Senate Committee on Energy and Natural Resources
Jeff Bingaman, Chair - Pete V. Domenici, Ranking Member
<http://energy.senate.gov/public/>
- ▶ U.S. Department of Energy
Topics: Science and Technology, Energy Sources, Energy Efficiency, The Environment, Prices and Trends, National Security, Safety and Health.
<http://www.doe.gov/>

Environment

- Forester Media
<http://www.forester.net/index.html>
Free publications print & online:
- ▶ Erosion Control
- ▶ Distributed Energy
- ▶ Grading & Excavation Contractor
- ▶ Municipal Management (Solid Waste)
- ▶ Onsite Water Treatment
- ▶ Stormwater Water Efficiency
- ▶ Irrigation and Green Industry
Free magazine includes a supplemental magazine, "Soil Erosion & Hydroseeding"
<http://www.igin.com/>
- ▶ Balanced Scorecard Institute
Pollution Information in your county
<http://www.scorecard.org>
- ▶ Sustainable Transportation Monitor
The Center for sustainable Transportation

at the University of Winnipeg
annual reports online.
<http://cst.uwinnipeg.ca/monitor.html>

- ▶ Center for Transportation & the Environment
E News and Notes
CTE serves as a catalyst for the development of new transportation and environmental research initiatives that may require seed funding or other forms of research support.
<http://www.itre.ncsu.edu/CTE/Research/index.asp>

Freight

- ▶ Traffic World
A general web site covering news related to traffic. Sign up for their newsletter.
<http://trafficworld.com/>
- ▶ Transport Topics
Transportation Topics discusses general information on transportation topics.
Sign up for their newsletter.
<http://www.ttnews.com/>
- ▶ Waterways Journal
Waterways Journal reports on a wide selection of waterways and their management.
Sign up for the Waterways Journal - issued weekly.
<http://www.waterwaysjournal.net/>

GEOTECHNICAL

- ▶ Electronic Journal of Geotechnical Engineering
http://www.ejge.com/index_ejge.htm

Freeway Patrols

- ▶ Federal highway Administration Service Patrol Handbook, November 2008.
A survey of states' freeway patrols and best practices.
<http://ops.fhwa.dot.gov/publications/fhwahop08031/index.htm>

Institute of Transportation Engineers (ITE)

- ▶ ITE Journal (Institute of Transportation Engineers)
<http://www.ite.org/itejournal/index.asp>

Intelligent Transportation Systems (ITS)

- ▶ ITS Benefits Database
Information regarding the impacts of ITS deployments
<http://www.itsbenefits.its.dot.gov>
- ▶ ITS International
Metropolitan Transportation Management
& Operations
<http://www.itsinternational.com/>
- ▶ ITS Deployment Statistics
The Deployment Statistics Web Site provides access to data that were gathered by the United States Department of Transportation (U.S. DOT) Intelligent Transportation Systems (ITS) Joint Program Office

(JPO) to measure the level of ITS deployment in 108 metropolitan areas (78 of the Nation's largest metropolitan areas plus 30 of the nation's medium sized metropoliates.

<http://www.itsdeployment.its.dot.gov>

- ▶ **Freeway Management and Operations Handbook 2003**
Intended as an introductory manual providing an overview of various institutional and technical issues associated with the planning, design, implementation, operation and management of a freeway network.
http://ops.fhwa.dot.gov/freewaymgmt/publications/frwy_mgmt_handbook/

Knowledge Management

- ▶ **European Guide to Good Practice in Knowledge Management**
Recommended by TRB
<http://www.library.nhs.uk/KNOWLEDGEMANAGEMENT/ViewResource.aspx?resID=286775>

Leadership & Management

- ▶ **Better Management**
Better Management provides articles, webcasts, and conferences addressing Performance Management, Financial Management, Business Intelligence, IT management, and other critical business management issues.
<http://www.bettermanagement.com/>
- ▶ **CIO Business Technology Leadership**
Discusses trends and issues in technology. Dispenses information through blogs, podcasts and webcasts. (free magazine)
<http://www.cio.com>
- ▶ **Government Technology**
Solutions for state and local government in the information age (free magazine)
<http://www.govtech.com/>
- ▶ **TMA Handbook: A Guide to Successful Transportation Management Associations**
This expanded handbook (over 200 pages) offers the comprehensive information needed at various stages in a TMA's life cycle. It provides practical "how-to" guidance for studying the feasibility of forming a TMA in certain localities, and gives newly formed TMAs tips and examples to define the organizational structure, establish an office, and get operations off the ground. For those who are currently operating TMAs, this handbook offers tips on enhancing success, expanding membership and services, and planning for the future. It also includes many excellent case studies and sample documents (such as job descriptions, by-laws, dues structures, action plans, etc.), as well as the results of the most recent TMA Survey conducted by ACT. The TMA Handbook also lists TMA-related resources available for more assistance and information. The three-ring binder design will allow you to add more material in the years to come.
http://www.nctr.usf.edu/clearinghouse/pdf/tma_handbook_final.pdf

Organizational Change

- ▶ **Municipal Performance Measurement System**
National Center for Public Performance
Rutgers-Newark School of Public Affairs
and Administration

The performance measurement system provides managers with an easy mode to collect, track, and report performance results to stakeholders. The system is divided into eleven functional areas and covers more than one-hundred twenty performance indicators. The functional areas and indicators utilized in the measurement system were designed to provide for broad usability throughout government.

<http://njpm.spaa.rutgers.edu/>

▶ **Government Innovators Network**

This portal, produced by The Ash Institute for Democratic Governance and Innovation at Harvard's John F. Kennedy School of Government, is a marketplace of ideas and examples of government innovation. Register to access Webcasts and other online events, and to receive the biweekly *Innovators Insights* newsletter (<http://www.innovations.harvard.edu/register.html>)

▶ **Stateline**

Policies and Politics
Free Magazine

<http://www.stateline.org/live/>

Pavement

▶ **Asphalt Magazine**

(Free in print or online)

Everything you want to know about asphalt.

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

▶ **Pavement Preservation Journal**

Articles and Areas of Practice

http://www.fp2.org/pavement_preservation_journal_home.htm

Performance & Quality Excellence

▶ **Public Performance Measurement and Reporting Network**

National Center for Public Performance has implemented a series of initiatives: a comprehensive and continuously updated database of publications and cases; national conferences and workshops; publications of measurement-based books and articles; an Online Public Performance Measurement Certificate; and a monthly e-newsletter.

<http://www.ppmrn.net>

▶ **Quality New Mexico**

Provides instructional seminars

<http://www.qualitynewmexico.org>

▶ **Baldrige National Quality Program**

Establishes a foundation for performance excellence

<http://www.quality.nist.gov>

Planning

▶ **Planning Newsletter**

http://www.fhwa.dot.gov/planning/pln_news.htm

▶ **AASHTO Journal**

<http://news.transportation.org/journal.aspx>

▶ **STIP federal guidelines**

Check fact sheets for updates

<http://www.fhwa.dot.gov/federalaid/projects.cfm?progProj=curr>

- ▶ AASHTO Journal
<http://news.transportation.org/journal.aspx>

Public Policy

- ▶ Government Executive
Primarily for Federal Govt.
Free, magazine
<http://www.govexec.com>
- ▶ Governing Magazine's Sourcebook
(statistics and trends)
Online only
<http://sourcebook.governing.com/>

Rail

- ▶ Railway Age
Commentaries and Conferences
<http://www.railwayage.com/>
- ▶ Federal Rail Administration
Promulgates and enforces rail safety regulations; administers railroad assistance programs; conducts research and development in support of improved railroad safety and national rail transportation policy; provides for the rehabilitation of Northeast Corridor rail passenger service; and consolidates government support of rail transportation activities.
<http://www.fra.dot.gov/>

Research

- ▶ Multi-disciplinary Research
Journal of Advanced Transportation
(summaries only)
<http://www.advanced-transport.com/>
- ▶ Journal of Transportation and Statistics
Published by RITA.
http://www.bts.gov/publications/journal_of_transportation_and_statistics/index.html
- ▶ Texas Transportation Researcher
Texas Transportation Institute at Texas A & M University.
Covers all modes of transportation with links to Research Reports.
<http://tti.tamu.edu/publications/researcher/>
- ▶ TR News (hard copy only)
http://www.trb.org/news/blurb_browse.asp?id=14
- ▶ TRB E-Newsletter
The newsletter identifies requests for proposals and TRB new publications.
http://www.trb.org/news/blurb_detail.asp?id=4861

TRISWorld

TRIS database and the English language records of the International Transport Research Documentation (ITRD) Database. TRISWorld provides access to more than 720,000 records of published international transportation research.

<http://TRISworld.trb.org>

Only available to TRB sponsors. NMDOT is a sponsor of TRISWorld. NMDOT employees are eligible to use TRIS. If your name appears on the left-hand side column you have access to the records. If not, please contact Barbara Post at E-Mail: bpost@nas.edu or Telephone: (202) 334-2990.

Safety

- ▶ **ATSIP Traffic Safety Links**
Includes Accident & Traffic Information; DOT's & Safety Offices
<http://www.atsip.org/index.php?/atsip/links>

Search Engines

- ▶ **Google**
There is more to Google than meets the eye. On the opening screen check "About Google" to find help with search features. Jewels from this section include a built-in calculator function: e.g., $(5^9 + (\sqrt{10})^3 =)$; the time anywhere in the world: e.g., (time Seattle), unit conversion: e.g., (10.5cm in inches), a synonym feature (use a tilde ~before the word), the weather (weather Rio Rancho) and a dictionary: e.g., "define backhoe".
<http://www.google.com>
- ▶ **Yahoo**
The kids section has helpful homework solutions. The math for high school students is promising for future civil engineers.
- ▶ **Kartoo**
A very cool mapped meta search engine
<http://www.kartoo.com>
- ▶ **Scirus**
For scientific information
<http://www.scirus.com>

Traffic

- ▶ **Traffic Monitoring Guide (FHWA)**
Actual implementation will vary from agency to agency. Each State or local highway agency has its own traffic counting needs, priorities, budgets, geographic, and organizational constraints. These differences cause agencies to select different equipment for data collection, use different collection plans for obtaining traffic data, and emphasize different data reporting outputs. However, all highway agencies collect the same basic types of data, and each can benefit from using a similar basic data collection framework. 2001. <http://www.fhwa.dot.gov/tmguidetmg0.htm>

Transportation Libraries

- ▶ **[National Transportation Library](#)**
INTL Digital Collection & Portal
Full text and web sites
TLCat – Catalogs of US & Canadian transportation libraries
<http://ntl.bts.gov/>
- ▶ **New Mexico DOT Research Bureau Library**
Approximately 1100 books cataloged to date. Updated daily.
Full collection of Transportation Research Board publications.
<http://slk060.liberty3.net/dot> If you are an NMDOT, Local Agency or a Transportation professional of a tribal independent nation in

New Mexico, you are eligible for direct access to borrow.
Please contact the librarian 505.841.9150,
research.bureau@state.nm.us for more information.

Roads and Highways

- ▶ Better Roads
free magazine
<http://www.betterroads.com/content/index.php>
- ▶ Public Roads
free magazine
<http://www.tfhrc.gov/>

Traffic Safety

- ▶ [Center for Excellence in Rural Safety](#)
A “mashup” site combining Fatality Analysis Reporting System with Google Maps
<http://www.saferoadmaps.org/home/index.htm>

Transit

- ▶ Community Transportation
<http://web1.ctaa.org/webmodules/webarticles/anmviewer.asp?a=26&z=36>
- ▶ [Journal of Public Transportation](#)
<http://www.nctr.usf.edu/jpt/journal.htm>
- ▶ [Mass Transit Magazine](#)
<http://www.nctr.usf.edu/jpt/journal.htm>
- ▶ [Metro Magazine](#)
<http://www.metro-magazine.com/default.aspx>
- ▶ Multi-State Technical Assistance Program
2008 Technical Assistance Directory
Contact information for each of the 50 states transit professionals. Published by AASHTO.
<http://www.transportation.org/?siteid=31&pageid=2405>

Transportation & Land use

- ▶ [Journal of Transport & Land Use](#)
<https://www.jtlu.org/index.php/jtlu>



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