What MnDOT Employees Read: Books and articles requested via interlibrary loan

Journals
Categories include: Business / Management / Human Resources; Engineering / Transportation; Environment / Ecology; Planning; Other miscellaneous topics. Number of titles listed in parenthesis.

Business / Management / Human Resources (16)
Cornell hospitality quarterly
Equality, diversity and inclusion: an international journal
Human Resource management journal
International journal of business anthropology
International review of retail, distribution and consumer research
Journal of Management
Journal of organizational behavior
Management communication quarterly
Negotiation journal (2)
Nonprofit and voluntary sector quarterly
Risk
Strategic HR review (2)
Thunderbird international business review
Work study: a journal of productivity science

Engineering / Transportation (41)
Accident analysis and prevention
Applied acoustics
Cement & concrete composites (2)
Cement and concrete research
Civil engineering ASCE
Civil engineering news
Concrete science and engineering
Engineering journal
Geotechnical and geological engineering
Geotechnique

For more information about the 2013 MnDOT Library Valuation/ROI Study Findings, please see http://www.mndot.gov/library/Library-ROI-Study.html.
Geotechnical testing journal (3)
IEEE sensors journal
IEEE Transactions on Reliability
The Journal of the Acoustical Society of America
Journal of applied physics
Journal of geodesy
Journal of geophysics and engineering
Journal of hydrology
Journal of the Soil Mechanics and Foundations Division (4)
Journal of sound and vibration
Journal of the Surveying and Mapping Division
Journal of testing and evaluation
Journal of transport economics and policy
Journal of transportation engineering
Magazine of concrete research (2)
Materials performance
Materials research and standards
New civil engineer: NCE magazine of the Institution of Civil Engineers
Post-tensioning journal
Public works
Road materials and pavement design: an international journal
Safety science
Surveying and Mapping: quarterly publication of American Congress on Surveying and Mapping

Environment / Ecology (56)
Aquatic botany
Aquatic ecology
Biological conservation
Botanical gazette
Bulletin of environmental contamination and toxicology
Canadian geotechnical journal
Canadian journal of plant science
Canadian surveyor
Chemosphere
Community ecology
Conservation in practice: a publication of the Society for Conservation Biology
Earth surface processes and landforms: the journal of the British Geomorphological Research Group
Ecology (2)
Ecosystems
Environmental geology
Environment international
Environmental science & technology
Environmental Toxicology and Chemistry (3)
Forest science
Geomorphology
The Harvard environmental law review
Invasive plant science and management (3)
Journal of the American Water Resources association
Journal of Environmental Management
Journal of forestry
The journal of wildlife management
Landscape ecology (2)
Marine Technology Society Journal (2)
Natural areas journal: a quarterly publication of the Natural Areas Association
Oecologia
Plant ecology
Plant protection quarterly
Quaternary Research (2)
Quaternary Science Reviews
Toxicology and environmental chemistry
Transactions of the American Fisheries Society
Urban ecosystems
Water quality research journal of Canada
Water research
Water technology
Waterways Journal
Weed science (2)
Weed technology
Wetlands: the journal of the society of the Wetlands Scientists (2)
Water resources bulletin (2)
Planning (3)

The annals of regional science
International planning studies
Land use policy

Other Miscellaneous Topics (21)

American Psychologist
Community college journal of research and practice
JAMA
Journal of applied psychology (3)
Journal of applied social psychology
Journal or archaeological science
Journal of chemical education
Journal of health and human services administration
The journal of research in crime and delinquency
Journal of sleep research
Medical reference services quarterly
Minnesota law review
Nature
Official Journal of the European Communities Legislation
Peabody journal of education
Social indicators research
Theory of probability and its applications
Tribology international
Utilities policy: strategy, performance, regulation
Books

Categories include: Engineering; Management / Leadership / Human resources; Conference Proceedings. Number of titles listed in parenthesis.

Engineering/Transportation: Conference Proceedings (50)


- Advanced airfield pavements: proceedings of the 27th international Air Transportation Conference, Chicago, IL.

- Alternative sanctions for repeat DWI offenders: IN Association for the Advancement of Automotive Medicine Conference Proceedings.

- APTA rail transit conference proceedings.


- Bond in concrete: from research to standards: proceedings of the 3rd international Symposium held at the Budapest University of Technology and Economics, Budapest, Hungary.

- Clay fills: proceedings of the conference held at the Institution of Civil Engineers.

- Cold regions reengineering 2009: cold regions impact on research, design, and construction: proceedings of the 14 Conference on Cold Regions Engineering, Duluth, MN.


- Concrete 2000: economic and durable construction through excellence: proceedings of the international conference held at the University of Dundee, Scotland UK.


- The effect of vehicle impoundment and immobilization on driving offenses of suspended and repeat DWI drivers: In Association for the Advancement of
Automotive Medicine Conference Proceedings.

Enter the past: the E-way into the four dimensions of cultural heritage. (2)

Computer applications and quantitative methods in archaeology: proceedings of the 31st Conference, Vienna, Austria.


Geotechnical engineering for transportation projects: Proceedings of Geo-Trans Conference, Los Angeles, CA.

Green streets and Highways 2010: an interactive conference on the state of the art and how to achieve sustainable outcomes: proceedings of the 2010 Green Streets and Highways Conference, Denver, CO.

Ground improvement and geosynthetics: proceedings of sessions of GeoShanghai, Shanghai, China.

Grouting, soil improvement, and geosynthetics: proceedings of the conference.

ICCTP (International Conference of Chinese Transportation Professionals) 2010: integrated transportation systems: green, intelligent, reliable.


Journal of the soil mechanics and foundations division: proceedings of the ASCE.

Layers of perception: proceedings of the 35th International Conference on Computer Applications and Quantitative Methods in Archaeology, Berlin, Germany.

Life, land and water: proceedings.

Low impact development: new and continuing applications: proceedings of the second National Low Impact Development Conference, Wilmington, NC.

Low impact development: redefining water in the city: proceedings of the 2010 international Low Impact Development Conference, San Francisco, CA.

MAIREPAV6: the Sixth International Conference on Maintenance and Rehabilitation of Pavements and Technological Control: Politecnico di Torino, Italy.


Materials science and restoration: Proceedings of the third international Colloquium on Materials Science and Restoration.

New techniques for old times, CAA 98: computer applications and quantitative methods in archaeology: proceedings of the 26th conference, Barcelona, Spain.

Noise CON proceedings.

Proceedings of the IEEE.

Proceedings of the Institution of Civil Engineers. Structures and Buildings.(2)

Proceedings, invited speakers & workshops: 21st ARRB and 11th REAAA Conference, Queensland, Australia.


Proceedings of the 7th international Symposium on Field Measurements in Geomechanics.

Recent advances in concrete technology: Fifth CANMET/ACI International Conference on Recent Advances in Concrete Technology, Singapore.

Recycled materials in geotechnics: proceedings of sessions of the ASCE Civil Engineering Conference.

Recycling and reuse of tyres: proceedings of the international symposium organized by the Concrete Technology Unit, University of Dundee, Scotland.

Roads to the 21st Century: a key to competitiveness, International Road Federation Conference and Exposition, Calgary, Alberta, Canada.


Transportation congress: civil engineers – key to the world infrastructure: proceedings of the 1995 Conference.

The world is in your eyes: CAA2005: computer applications and quantitative methods in archaeology: proceedings of the 33rd conference, Tomar, Portugal.

**Engineering/Transportation: Exam Materials (8)**

- 16-hour structural Engineering (SE) Practice exam for buildings
- Civil & Structural engineering: design of reinforced concrete structures review for the PE exam
- FE/EIT sample examinations
- Steel design for the civil PE and structural SE exams
- Structural engineering reference manual. (2)
- Structural engineering solved problems: comprehensive practice for the structural engineering (SE) and PE exams. (2)

**Engineering/Transportation: Books (98)**

- Acoustics: an introduction to its physical principles and applications. (2)
Advanced rail geotechnology – ballasted track
Aluminum design manual
American National Standard for rotodynamic (centrifugal) pumps for Manuals describing installation, operation and maintenance.
American National Standard for rotodynamic (centrifugal) slurry pumps for nomenclature, definitions, applications, and operation.
Anchorage in concrete construction
The asphalt handbook
Assessment of impoundment and forfeiture laws for drivers convicted of SWI: Phase II report: Evaluation of Oregon and Washington vehicle plate zebra sticker laws
Big rigs: in for the long haul. (2)
Bridge design and evaluation: LFRD and LRFR
Bridge superstructure and foundation design
Brownfield sites IV: prevention, assessment, rehabilitation and development of brownfield sites
CEB-FIP (International Federation for Structural Concrete) and model code 1990: design code
Communication & signals manual of recommended practice.
Complete streets: best policy and implementation practices
Concrete
Constructing and controlling compaction of earth fills
Construction and design of pre-stressed concrete segmental bridges
Construction briefings
Construction forms & contracts
Construction vibrations
Degrees of belief: subjective probability and engineering judgement
Design and evaluation of Minnesota’s timber rub-rail for noise barriers
Design Manual for bicycle traffic
Digital elevation model technologies and applications: the DEM users manual
Digital signal processing: a practical guide for engineers and scientists
Effects of road reconstruction on adjacent economic activities: a retrospective study
The engineering language: a consolidation of the words and their definitions
Engineering rock mass classifications: a complete manual for engineers and geologists in mining
Essays in transportation economics and policy
Estimating bearing capacity of piles installed with vibratory drivers
Evaluation of the CON/SPAN Wingwall system
Evaluation of rapid setting materials and construction techniques for concrete pavement patches
Evaluation of test methods for measuring the bond strength of Portland-cement based repair materials to concrete
Experimental unsaturated soil mechanics
Exploring requirements: quality before design
Fountains and pools: construction guidelines and specifications
General location of national system of interstate highways: including all additional routes at urban areas designated in September 1955
Geotech wall design and construction… Dauphin County, PA: wing walls for bridge over railroad
Geotechnical and foundation engineering: design and construction
Geotechnical materials in construction
Grade easy: an introductory course in the principles and practices of grading and drainage. (3)
Ground improvement and geosynthetics
Guide for design of anchorage to concrete: examples using ACI 318
Guidelines for partial-depth repair
Handbook of recommended information sign symbols for Canada
The handbook of road safety measures
Highway structures design handbook
A history of progress: selected U.S. papers in geotechnical engineering
Improved drainage and frost action criteria for New Jersey pavement design: phase III: structural strength of pavement with open-graded bases
Kings of the road: a pictorial history of trucks
Manual of surveying instructions: for the survey of the public lands of the United States
Materials for sustainable sites: a complete guide to the evaluation, selection, and use of sustainable construction
Muskeg engineering handbook
On-site storm water management: applications for landscape and engineering
Optimizing storm water treatment practices: a handbook of assessment and maintenance
Pavement design and materials
Pavement performance: current trends, advances, and challenges
Pedal power: the quiet rise of the bicycle in American public life
Pedestrian laws in the United States
Planning urban roadway systems: an ITE proposed recommended practice
Public land surveys: history, instructions, methods
The reinforced concrete design manual: in accordance with the ACI 318-11
Reliability of structures
Research reports: septic tank/water softener
Risk assessment in geotechnical engineering
The road and the car in American life
Roads: finance provision and operation
Route surveying and design
SAE ground vehicle lighting manual
Shakopee by-pass in Scott County Minnesota: Administrative action draft environmental impact statement
Simplified LFRD bridge design
Simplified site engineering
Snowplow safety
Sound intensity
Specifications to support classification, standards of accuracy, and general specifications of geodetic control surveys
Standard guideline for the collection and depiction of existing subsurface utility data
Standard practice for direct design of precast concrete pipe for jacking in trenchless construction
Structural faults and repair
Surveying with construction applications
Surveyor reference manual
Theory of thermal stresses
Thinking about GIS: geographic information system planning for managers
Tire chips as lightweight backfill for retaining walls.
Traffic safety facts
Transmission & distribution world
Transport for suburbia: beyond the automobile age
Twin Cities by trolley: the streetcar era in Minneapolis and St. Paul
Unsaturated soil mechanics in engineering practice
Vignettes of the public land surveys: a striking triumph of geometry over physical geography
Wastewater engineering: treatment and reuse
Water systems handbook: a complete text on wells – their design, operation and maintenance
The Weibull Distribution: a Handbook
WesTrack track fuel roughness, fuel consumption and maintenance costs

Business Mgmt/Human Resources (100)

The 5 languages of appreciation in the workplace: empowering organizations by encouraging people
The 24-carrot manager: a remarkable story of how a leader can unleash human potential
90 minutes to killer presentation skills
1001 ways to reward employees
Agile and iterative development: a manager’s guide
Authenticity: what consumers really want
Blue ocean strategy: how to create uncontested market space and make the competition irrelevant
Borrowing brilliance: the six steps to business innovation by building on the ideas of others
The bottom line
Brand warfare: 10 rules for building the killer brand: lessons for new and old economy players
Business horizons
Codependency in the workplace: a guide for employee assistance and human resource professionals
Communicating change: how to win employee support for new business directions
Creating magic: 10 common sense leadership strategies from a life at Disney
Dealing with people you can’t stand: how to bring out the best in people at their worst
Death by meeting: a leadership fable: about solving the most painful problem in business
The design of business: why design thinking is the next competitive advantage
Developing women leaders: a guide for men and women in organizations
Discussing the undiscussible: a guide to overcoming defensive routines in the workplace
The diversity toolkit: how you can build and benefit from a diverse workforce
The dream manager
E-mail rules: a business guide to managing policies, security, and legal issues for E-mail and digital communication
The experience economy
Facilitator’s guide to participatory decision making
Gender, work and organization
Getting past no: negotiating your way from confrontation to cooperation
Good in a room: how to sell yourself (and your ideas) and win over any audience
Government accounting, auditing and financial reporting
A guide to the project management book of knowledge (PMBOK)
Handbook of practical program evaluation
A handbook for women mentors: transcending barriers of stereotype, race, and ethnicity (2)
Harvard business essentials: coaching and mentoring
How to really use Linked In: discover the true power of LinkedIn and how to leverage it for your business
How to win friends and influence people in the digital age
How we decide
Human relations
Identifying and analyzing user needs: a complete handbook and ready-to-use assessment workbook
Identifying and managing project risk: essential tools for failure-proofing your project
The inclusion breakthrough: unleashing the real power of diversity
Industrial and organizational psychology
The innovation zone: how great companies re-innovate for amazing success
Instant messaging rules: a business guide to managing policies, security, and legal issues for safe IM communication
Interpersonal conflict (2)
Leadership and management in engineering
Leadership and the one-minute manager
Lean in: women, work, and the will to lead
The manager’s book of decencies: how small gestures build great companies
Managing ethics in business organizations: social scientific perspectives
Managing with carrots: using recognition to attract and retain the best people
Moral intelligence: enhancing business performance and leadership successes
More with less: maximizing value in the public sector
The next level: what insiders know about executive success
Nuts! Southwest Airlines’ crazy recipe for business and personal success
The one minute negotiator: simple steps to reach better agreements
The organizational ombudsman: origins, roles, and operations: a legal guide
Organizational research methods
People management
Performance Dashboards: Measuring, monitoring, and managing your business
Performance measurement: getting results
Personality and organizations
Personnel psychology
Personnel review
Please don’t just do what I tell you! Do what needs to be done: every employee’s guide to making work more rewarding
The power of inclusion: unlock the potential and productivity of your workforce
Power mentoring: how successful mentors and protégés get the most out of their relationships
Practice standard for earned value management
Practice standard for scheduling
Practice standard for work breakdown structures
Program evaluation & performance measurement: an introduction to practice
Project planning and scheduling using Primavera P6: for all industries including versions 4 to 6: planning and progressing project schedules with and without roles and resources in an established enterprise environment
Public services management: a critical approach (2)
Putting the one minute manager to work
Radical collaboration: five essential skills to overcome defensiveness and build successful relationships
Rainmaking made easy: what every professional must know
Resolving conflicts at work: ten strategies for everyone on the job
Root cause analysis handbook: a guide to efficient and effective incident investigation
Running meetings: expert solutions to everyday challenges
The secrets of facilitation: the S.M.A.R.T. guide to getting results with groups
Self-leadership and the one minute manager: discover the magic of no excuses
Service management: operations, strategy, information technology
Seven pillars of servant leadership: practicing the wisdom of leading by serving
The speed of trust: the one thing that changes everything
The standard for portfolio management
Strengthsfinder 2.0
The success principles: how to get from where you are to where you want to be
A survival guide to managing employees from hell: handling idiots, whiners, slackers, and other workplace demons
A survival guide to working with bad bosses: dealing with bullies, idiots, back-stabbers, and other managers
Target risk: dealing with the danger of death, disease and damage in everyday decisions
Thinking fast and slow
Through the labyrinth: the truth about how women become leaders
Training
Transitioning new hires into the workplace: the strategy of mentoring
When you work for a bully: assessing your options and taking action
Who’s pulling your chain? How to run a land surveying business
Why decisions fail: avoiding the blunders and traps that lead to debacles
The wow! Workplace
Yes! 50 scientifically proven ways to be persuasive

Computer Programs (34)

Adjustment computations: spatial data analysis
Adjustment computations: statistics and least squares in surveying and GIS
Applied numerical methods with MATLAB for engineers and scientists
Building and managing the meta data repository: a full lifecycle guide
Data model patterns: conventions of thought (3)
Excel VBA programming for dummies
An engineer’s guide to MATLAB: with applications from mechanical, aerospace, electrical, civil, and biological systems engineering. (2)
Geographic information, metadata, Part 2, Extensions for imagery and gridded data
Getting to know ArcGIS: modelbuilder. (2)
Getting to know ArcObjects: programming ArcGIS with VBA. (2)
Absolute java
Java: a beginners guide
Java for everyone
Java for dummies: quick reference
Java programming
Javascript: a beginner’s guide
Lessons learned in software testing: a context-driven approach
Mathematical and computer modeling
MATLAB: demystified
MATLAB for engineers explained
Numerical methods for engineers and scientists: an introduction with applications using MATLAB.
(3)
PHP and MySQL: Javascript and CSS: A Step-by-Step Guide to Creating Dynamic websites
Project planning & scheduling using Primavera P6 for all industries including versions 4 to 6
Sams teach yourself C++ in 24 hours
Scenarios, stories, use cases: through the systems development life-cycle
Spatial statistics: Geospatial Information modeling and thematic mapping
User stories applied: for agile software development

Environment / Ecology (33)

Agenda 21: programme of action for sustainable development
Biodiversity and Native America
Biology and fertility of soils
The biology of rarity: causes and consequences of rare-common differences
Design of wastewater and storm water pumping stations
Development of a salinity/toxicity relationship to predict acute toxicity of saline waters to freshwater organisms
Ecological complexity
Ecological engineering
Ecological monographs. (2)
Effects of detention on water quality of two storm water detention ponds receiving highway surface runoff
Environmental impact assessment of recycled wastes on surface and ground waters: Vol. 2, Risk Analysis
Environmental impact assessment of recycled wastes on surface and ground waters
Environmental modeling with GIS
Environmental restoration: science and strategies for restoring the Earth
Geoenvironmental engineering: ground contamination: pollutant management and remediation
Geostatistics: modeling spatial uncertainty
Growing cooler: the evidence on urban development and climate change
Invasive species in a changing world
A paleoclimatology workbook: high resolution, site-specific macrophysical climate modeling
Postglacial vegetational development in northwestern Minnesota and its implications for prehistoric human ecology. (2)
Powerline: the first battle of America’s energy war
Practical geostatistics: modeling and spatial uncertainty
Predicting species occurrences: issues of accuracy and scale
Properties of soil physics
Rock quality, seismic velocity, attenuation and anisotropy
Soil use and management
Solar power in building design: the engineer’s complete design resource
Spatial uncertainty in ecology: implications for remote sensing and GIS applications. (2)
Trees: structure and function
Trends in ecology and devolution

Planning (20)

Anatomy of a park: the essentials of recreation area planning and design
A career worth planning: starting out and moving ahead in the planning profession
A concise guide to community planning
Designing healthy communities. (2)
Environmental planning for site development: a manual for sustainable local planning and design
Everyday ethics for practicing planners
Google Sketch-Up for site design: a guide to modeling site plans, terrain, and architecture
A guide to site and environmental planning
The highway and the city
The job of the practicing planner
Local planning: contemporary principles and practice
Organized for action: commitment in voluntary associations
Pedaling revolution: how cyclists are changing American cities
The power of collaborative solutions: six principles and effective tools for building healthy communities
The practice of local government planning
Site analysis: a contextual approach to sustainable land planning and site design
Urban composition: developing community through design
Walkable city: how downtown can save America one step at a time
What planners do: power, politics, and persuasion
Landscape Architecture (19)

- Basic elements of landscape architectural design
- Business law for landscape architects
- A guide to site planning and landscape construction
- A guide to site and environmental planning
- Landscape architectural graphical standards. (2)
- Landscape architect’s portable handbook. (2)
- Landscape irrigation: design and management
- Landscape planning: environmental applications
- Management of invasive weeds
- Michigan’s native landscape: as interpreted from the General Land Office Surveys 1816-1856
- Natural landscaping: designing with native plant communities
- Planting design
- Site engineering for landscape architects
- Site furnishings: a complete guide to the planning, selection and use of landscape furniture and amenities
- Sunset western garden book. (2)
- Time-saver standards for landscape architecture: design and construction data

Other Topics (65)

- Atlas of electrochemical equilibria in aqueous solutions
- The autistic brain: thinking across the spectrum
- Backing hard into river history: including materials autobiographical in nature and a history of the…
- The box: how the shipping container made the world smaller and the world economy bigger
- Celebrating ethnicity and nation: American festive culture from the Revolution to the early twentieth century
- The courage to heal: a guide for women survivors of child sexual abuse
- Connected: the surprising power of our social networks and how they shape our lives
- Constructing frames of reference: an analytical method for archaeological theory building using hunter-gatherer
- Creating minds: an anatomy of creativity seen through the lives of Freud, Einstein, Picasso, …
- Creating a willing online exhibition: a guide for libraries, archives and museums
- Disrupting class: how disruptive innovation will change the way the world learns
- The dragonfly effect: quick, effective and powerful ways to use social media to drive social change
- Everything you wanted to know about Indians but were afraid to ask
Expect more: demanding better libraries for today's complex world
The father of spin: Edward L. Bernays & the birth of public relations
Festivals together: a guide to multi-cultural celebration
First responder
First responder workbook
Fixing my gaze: a scientist's journey into seeing in three dimensions
Forgive us our press passes
Generation ageless: how baby boomers are changing the way we live today – and they're just getting started
Geographic Information – Metadata: Extensions for imagery and gridded data ISO standard 1
Getting the most out of your interactive whiteboard: a practical guide
The golden bough: a study in magic and religion
Grammar Girl's quick and dirty tips for better writing
Greater good: how good marketing makes for a better democracy
Healing the heart of democracy: the courage to create a politics worthy of the human spirit
Health & place
How to live well without owning a car: save money, breathe easier, and get more mileage out of life
Iran: a country study
The lawyer's guide to social networking: understanding social media's impact on the law
Lessons for a scientific literature review: guiding the inquiry
The library marketing toolkit
Library mash-ups: exploring new ways to deliver library data
Licensing digital content: a practical guide for librarians
Making it in America: the case for re-inventing the economy
Managing electronic government information in libraries: issues and practices
Marketing theory (2)
Media advocacy and public health: power for prevention
Millennials in the pop culture: strategies for a new generation of consumers in music, movies, television, the Internet and video games
Mindless eating: why we eat more than we think
Minneapolis population and racial change, 1950-1990; with 1980 and 1990 census tract information
Multicultural celebrations: today's rules of etiquette for life's special occasions
The myths of happiness: what should make you happy but doesn't, what shouldn't make you happy but does
Nudge: improving decisions about health, wealth and happiness
Organizing from the inside out: the foolproof system for organizing your home, your office, and your life
Organizing from the right side of the brain: a creative approach to getting organized
The perfect swarm: the science of complexity in everyday life
Pioneers in the wilderness: Minnesota's Cook County, Grand Marais, and the Gunflint in the 19th Century
Please understand me II: temperament, character, intelligence
The power of your subconscious mind
The price of government: getting the results we need in an age of permanent fiscal crisis
The Scientific World
Seeking our past: an introduction to North American archaeology
Sway: the irresistible pull of irrational behavior
Speech less: tales of a White House survivor
Statistical methods
That's not what I meant!: how conversational style makes or breaks relationships
Thinking in pictures: and other reports from my life with autism
The value of lithic analysis in archaeological interpretation (2)
Water project and drainage law in Minnesota
Words that work: it's not what you say, it's what people hear