

Recent Acquisitions of the Research Library



Acquisition List for August 2004

Construction/Design

- ✧ Decision Support for Slope Construction and Repair Activities: An Asset Management Building Block, 2004, RDT 04-006, RI 00-014, University of Missouri-Columbia, MoDOT, **A04-206**
- ✧ Development of a Highway Rock Cut Rating System For Missouri Highways, 2004, Research Report 02-046, Missouri Department of Transportation RDT Brief, **A04-203**
- ✧ Improving Construction with Communication, 2004, Arizona Transportation Research, AZ DOT, **11542**
- ✧ To Advance the Concept of Aesthetics and Constructability in the Design of Noise Barrier Walls Through the Design of Models, Prototypes, Plans and Specifications of the Bhavnani Design, 1999, New Jersey Department of Transportation, **11539**

Hydraulics/Environment

- ✧ Alternative Modes as an Air Quality Mitigation Strategy, 2004, Arizona Transportation Research, AZ DOT, **11543**
- ✧ Integration, Status and Potential of Environmental Justice and the Social Impact Assessment Process in Transportation Development in Missouri, 2004, RDT 04-020, RI 02-012, A Dissertation Presented to the Faculty of the Graduate School, University of Missouri-Columbia, MoDOT, **A04-208**
- ✧ Potential Environmental Impacts of Dust Suppressants: "Avoiding Another Times Beach", 2004, The Environmental Protection Agency, **11495**

Maintenance

- ✧ Roadside Manual, M 25-30, 2001, Washington Department of Transportation, **11540**

- ⌘ The Year in Homeland Security, 2004 Edition, Faircount LLC, **11533**
- Materials/ Pavements**
- ⌘ AASHTO Guide for Design of Pavement Structures, 1993, AASHTO, **11416**
- ⌘ Comparative Performance of Rubber Modified Hot Mix Asphalt Under ALF Loading, 2004, Technical Summary Report 374, Louisiana Trans. Research Center, **A04-190**
- ⌘ Comparison of Compressive Strengths Using 4x8 vs. 6x12 Cylinders for Prestress Concrete, 2004, Research Investigation 03-038/Research Report 04-005, Missouri Department of Transportation RDT Brief, **A04-200**
- ⌘ Evaluation of Consolidation Characteristics of Cohesive Soils From Piezocone Penetration Tests, 2004, Technical Summary Report 386, Louisiana Transportation Research Center, **A04-191**
- ⌘ Evaluation of Cutco Sawing and Sealing Method, 2004, Research Investigation RI 00-030/Research Report RDT 04-018, Missouri Department of Transportation RDT Brief, **A04-201**
- ⌘ Evaluation of Geotechnical Design Parameters Using the Seismic Piezocone, 2002, FHWA 2001-032, New Jersey Department of Transportation, **11544**
- ⌘ Guide for Mechanistic-Empirical Design of New and Rehabilitated Pavement Structures-, 2004, NCHRP, TRB, NRC, Part 1/Intro.-Part 2/Design Inputs, **11381**; Part 3/Design Analysis-Part 4/Low Volume Roads, **11382**; Appendices A-C, **11383**, Appendix D, **11384**
- ⌘ Laboratory Mix Design and Field Evaluation of Modified Asphalt Binders, 2003, FHWA-SC-03-13, US DOT, South Carolina Department of Transportation, **A04-189**
- ⌘ Lime Slurry in Cold Inplace Recycle, 2004, FHWA-KS-03-3, Kansas Department of Transportation, **A04-193**
- ⌘ Recommended Mechanistic Empirical Pavement Design Guide and Software: Available for Examination, Research Results Digest #290, 2004, NCHRP, **11556**
- ⌘ Resilient Modulus Testing and Density Gradient Analysis of Selected Asphalt Mixes, 2004, Oklahoma Department of Transportation, **11566**
- ⌘ Supplement to the AASHTO Guide for Design of Pavement Structures, 1998, AASHTO, **11417**
- ⌘ The Measurement of Pavement Noise on New Jersey Pavements Using the NCAT Noise Trailer, 2004, New Jersey Department of Transportation, **11547**

✧ The Use of DMA to Characterize the Aging of Asphalt Binders, 2004, Research Project Capsule 04-7B, Louisiana Transportation Research Center, **A04-192**

✧ Void Detection with the Falling Weight Deflectometer, 2004, Research Investigation 99-044/Research Report 04-044, Missouri Dept. of Transportation RDT Brief, **A04-199**

Planning/ Research/ Program Development

✧ A Review of DOT Compliance with GASB 34 Requirements, NCHRP 522, 2004, TRB, **11378**

✧ Assessment of MoDOT's Transportation Management Systems Part II, 2004, RDT 04-002, RI 01-046B, University of Missouri-Columbia, MoDOT, **A04-204**

✧ Global Positioning System Data Integration and Development of a Three-Dimensional Spatial Model of the Kansas Highway Network, 2004, FHWA-KS-03-7, Kansas Department of Transportation, **A04-194**

✧ Guidelines for Estimating the Triennial Benefits of Kansas Transportation Research and New Developments (K-TRAN) Research Projects, 2004, KS-03-9, Kansas Department of Transportation, **A04-195**

✧ Operational Experiences with Flexible Transit Services, TCRP Synthesis 53, 2004, TCRP, TRB, **11551**

✧ Public Transportation Operating Agencies as Employers of Choice, TCRP Report 103, 2004, Transportation Research Board, **11375**

✧ State Product Evaluation Programs, NCHRP Synthesis 328, 2004, TRB, **11560**

Structures

✧ Analytical Modeling and Instrumentation Planning of the Doremus Avenue Bridge, 2002, New Jersey Department of Transportation, **11545**

✧ Evaluation of Bridge Approach Slabs, Performance and Design, 2004, Research Investigation RI 02-033/Research Report RDT 04-010, Missouri Department of Transportation RDT Brief, **A04-202**

✧ Fatigue Prone Steel Bridge Details: Investigation and Recommended Repairs, 2004, K-TRAN: KU-99-2, Kansas Department of Transportation, **A04-196**

✧ Finite Element Modeling of Bridge Approach and Transition Slabs, 2002, New Jersey Department of Transportation, **11546**

✧ Strengthening of Martin Springs Outer Road Bridge, Phelps County, 2004, RDT 04-001, RI 02-007, University of Missouri-Rolla, MoDOT, **A04-205**

- ✧ Use of Controlled Low-Strength Material as Abutment Backfill, 2004, K-TRAN: KU-02-6, Kansas Department of Transportation, **A04-197**

Traffic/ Safety

- ✧ A Guide For Increasing Seat Belt Use, NCHRP 500/Vol.11, 2004, TRB, **11471**
- ✧ A Guide for Reducing Collisions Involving Heavy Trucks, NCHRP 500/Vol.13, 2004, TRB, **11468**
- ✧ A Guide for Reducing Collisions Involving Pedestrians, NCHRP 500/Vol.10, 2004, TRB, **11467**
- ✧ Assessment of Multiple Left-Turn Phasing Strategies, 2004, Research Report 04-003/RI 02-014, Missouri Department of Transportation RDT Brief, **A04-198**
- ✧ Benefits and Design/Location Criteria for Passing Lanes, 2004, RDT 04-008, RI 02-018, Midwest Research Institute, MoDOT, **A04-207**
- ✧ Identification of Appropriate Investment Levels to Improve and Maintain Seat Belt Usage Rates in the State of Colorado, 2004, Colorado Department of Transportation, **11358**
- ✧ Smart Sign Ordering System-Phase 1, 2004 University of Acron Ohio, Ohio Department of Transportation, **11377**
- ✧ Traffic Control Devices Handbook 2001, 2001, ITE, **11415**
- ✧ Travel Better, Travel Longer/A Pocket Guide to Improve Traffic Control and Mobility for Our Older Population, 2004, FHWA/US DOT, **11482**

Reference Books

- ✧ Civil Engineering Reference Manual for the PE Exam, 2003, Ninth Edition, Lindeburg/Professional Publications Inc. **11558**
- ✧ Continuing Education in Transportation/August 2004 Through June 2005, 2004, University of California Berkely, **11557**
- ✧ Fundamentals of Engineering (FE) Discipline Specific Reference Handbook, 1996, National Council Of Examiners, **11494**
- ✧ Fundamentals of Engineering (FE) Sample Examination, 1993, National Council Of Examiners, **11492**

- ✧ Fundamentals of Engineering (FE) Supplied Reference Handbook, 2000, National Council Of Examiners, **11493**
- ✧ Technical Publications Catalog-October 1998 thru September 2003, 2004, FHWA/US DOT, **11491**

Once again we have had donations to the Research Library! This month John Kotter and Anita Boucher have shared engineering and transportation publications with us. John gave us three PE study books and Anita is giving us issues of “Progressive Railroading”, as they come in. We also received from Hydraulics their two new publications: “Storm Water Quality Manuals”, entitled: “Planning and Design Guide”, and, “Best Management Practices”. If you have books to give to the Research Library, we are located on the first floor of the main NDOT building in room 115. We are open 8am to 5pm, Mon.-Fri., and the phone number is 775-888-7895.

Books are available from all over Nevada and the united states through inter library loan. I can also mail books to any area in Nevada (and I do!).

Currently on display in the Research Library we have some very interesting and “oversized” books from the Nevada Library and Archives, UNR’s DeLaMare Library, and the Carson City Public Library. September we will display an assortment of travel, engineering and cooking books. For October we will feature books highlighting Nevada history, mining and ghost towns, in celebration of our statehood.

As you can tell, I’m not “gone”, fortunately leaving did not agree with me!

Heidi