

BRIDGES

Construction

- p-2 Seismic Retrofitting Manual for Highway Structures: Part 1-Bridges (FHWA January 2006)
[Online: http://ntl.bts.gov/lib/31000/31300/31318/FHWA-HRT-06-032.pdf](http://ntl.bts.gov/lib/31000/31300/31318/FHWA-HRT-06-032.pdf)
- p-3 Seismic Retrofitting Manual for Highway Structures: Part 2 – Retaining Structures, Slopes, Tunnels, Culverts, and Roadways (FHWA January 2006)
[Online: http://ntl.bts.gov/lib/31000/31300/31319/FHWA-HRT-05-067.pdf](http://ntl.bts.gov/lib/31000/31300/31319/FHWA-HRT-05-067.pdf)
- p-4 Multiyear Plan for Bridge and Tunnel Security Research, Development, and Deployment (FHWA March 2006)
[Online: http://www.tfsrc.gov/structur/pubs/06072/](http://www.tfsrc.gov/structur/pubs/06072/)
- p-5 Covered Bridge manual (FHWA April 2005)
[Online: http://www.tfsrc.gov/structur/pubs/04098/](http://www.tfsrc.gov/structur/pubs/04098/)
- p-6 Timber Bridges: Design, Construction, Inspection, and Maintenance (USDA 1996)
[Online: http://www.fpl.fs.fed.us/documnts/misc/em7700_8--entire-publication.pdf](http://www.fpl.fs.fed.us/documnts/misc/em7700_8--entire-publication.pdf)
- p-7 Geosynthetic Reinforced Soil Integrated Bridge System Interim Implementation Guide (FHWA 2011)
- p-8 Geosynthetic Reinforced Soil Integrated Bridge System Synthesis Report (FHWA 2011)
- p-9 Vermont/New Hampshire Timber Retaining Wall Initiative/Design Package (1996)
- p-10 Standard Plans for Southern Pine Bridges (USFS 1995)
[Online: http://www.fpl.fs.fed.us/documnts/misc/em7700_8--entire-publication.pdf](http://www.fpl.fs.fed.us/documnts/misc/em7700_8--entire-publication.pdf)
- p-11 Plans for Crash-Tested Bridge Railings for Longitudinal Wood Decks (USFS 1995)
[Online: http://www.fpl.fs.fed.us/documnts/fplgr/fplgr84.pdf](http://www.fpl.fs.fed.us/documnts/fplgr/fplgr84.pdf)
- p-12 Plans for Crash-Tested Wood Bridge Railings for Concrete Decks (USFS 1998)
[Online: http://www.fpl.fs.fed.us/documnts/fplgr/fplgr108/fplgr108.pdf](http://www.fpl.fs.fed.us/documnts/fplgr/fplgr108/fplgr108.pdf)
- p-13 Magnetic-Based NDE of Pre-stressed and Post-Tensioned Concrete Members – The MFL System (FHWA May 2000)
[Online: http://www.tfsrc.gov/structur/00-27.pdf](http://www.tfsrc.gov/structur/00-27.pdf)
- p-14 Enhanced Abutment Scour Studies for Compound Channels (FHWA August 2004)
[Online: http://www.fhwa.dot.gov/engineering/hydraulics/pubs/99156/99156.pdf](http://www.fhwa.dot.gov/engineering/hydraulics/pubs/99156/99156.pdf)
- p-15 GRS Bridge and Abutments (FHWA 2001)
- p-16 Bridge Scour in Non-uniform Sediment Mixtures and in Cohesive Materials: Synthesis (FHWA January 2004)
[Online: http://www.fhwa.dot.gov/engineering/hydraulics/library_arc.cfm?pub_number=143&id=69](http://www.fhwa.dot.gov/engineering/hydraulics/library_arc.cfm?pub_number=143&id=69)
- p-17 Standard Plans for Timber Bridge Superstructures (USFS 2001)
[Online: http://www.treesearch.fs.fed.us/pubs/9710](http://www.treesearch.fs.fed.us/pubs/9710)
- p-18 Environmental Effects Associated With Wooden Bridges Preserved With Creosote, Pentachlorophenol, or Chromated Copper Arsenate (USFS 2000)
[Online: http://www.fpl.fs.fed.us/documnts/fplrp/fplrp587.pdf](http://www.fpl.fs.fed.us/documnts/fplrp/fplrp587.pdf)
- p-19 Guide for Minimizing the Effect of Preservative-Treated Wood Sensitive Environments (USFS 2001)
[Online: http://www.treesearch.fs.fed.us/pubs/9685](http://www.treesearch.fs.fed.us/pubs/9685)
- p-20 Field Performance of Timber Bridges 18. Byron Stress-Laminated Truss Bridge (USFS 2000)
[Online: http://www.fpl.fs.fed.us/documnts/fplrp/fplrp588.pdf](http://www.fpl.fs.fed.us/documnts/fplrp/fplrp588.pdf)
- p-21 Field Observations and Evaluations of Streambed Scour at Bridges (2005)
[Online: http://www.fhwa.dot.gov/engineering/hydraulics/pubs/03052/](http://www.fhwa.dot.gov/engineering/hydraulics/pubs/03052/)
- p-22 Steel Bridge Fabrication Technologies in Europe and Japan (2001)
[Online: http://international.fhwa.dot.gov/Pdfs/SteelBridge1.pdf](http://international.fhwa.dot.gov/Pdfs/SteelBridge1.pdf)
- p-23 New Mexico Quality Deck Workshop (2000)
- p-24 Innovative Technology for Accelerated Construction of Bridge and Embankment Foundations in Europe (Sept 2003)
[Online: http://international.fhwa.dot.gov/links/pub_details.cfm?id=496](http://international.fhwa.dot.gov/links/pub_details.cfm?id=496)

- p-25 Timber Bridges 2002 Award Winners
- p-26 Design Example of Simple Span T-Beam Strengthening with Fiber-Reinforced Polymer Composites (FHWA Revised January 2011)
- p-27 Cold Temperature Effects on Stress-Laminated Timber Bridges (USFS 2003)
[Online:](http://www.woodcenter.org/docs/wacke96a.pdf) <http://www.woodcenter.org/docs/wacke96a.pdf>
- p-28 Structural Behavior of Ultra-High Performance Concrete Prestressed I-Girders (FHWA August 2006)
[Online:](http://www.tfrc.gov/structur/pubs/06115/06115.pdf) <http://www.tfrc.gov/structur/pubs/06115/06115.pdf>
- p-29 Material Property Characterization of Ultra-High Performance Concrete (FHWA August 2006)
[Online:](http://www.tfrc.gov/structur/pubs/06103/06103.pdf) <http://www.tfrc.gov/structur/pubs/06103/06103.pdf>
- p-30 Optimized Sections for High-Strength Concrete Bridge Girders—Effect of Deck concrete Strength (FHWA October 2006)
[Online:](http://www.tfrc.gov/structur/pubs/05058/05058.pdf) <http://www.tfrc.gov/structur/pubs/05058/05058.pdf>
- p-31 Compilation and Evaluation of Results from High-Performance Concrete Bridge Projects, Volume I: Final Report (FHWA October 2006)
[Online:](http://www.fhwa.dot.gov/bridge/pubs/05056/) <http://www.fhwa.dot.gov/bridge/pubs/05056/>
- p-32 Compilation and Evaluation of Results from High-Performance Concrete Bridge Projects, Volume II: Appendixes (FHWA October 2006)
[Online:](http://www.fhwa.dot.gov/bridge/pubs/05057/) <http://www.fhwa.dot.gov/bridge/pubs/05057/>
- p-34 Drilled Shaft Axial Capacities Effects Due to Anomalies (FHWA September 2008)
- p-35 Evaluations and Findings for Dynamic Isolation Systems, Inc. Elastomeric Bearings (HITEC September 1998)
- p-36 Evaluations and Findings for FIP-Energy Absorption Systems, L.C.C. Slider Bearings (HITEC September 1998)
- p-37 Evaluations and Findings for R.J. Watson, Inc. Sliding Isolation Bearings (HITEC September 1998)
- p-38 Evaluations and Findings for Scougal Rubber Corporation High Damping Rubber Bearings (HITEC September 1998)
- p-39 Evaluations and Findings for Skellerup Isolation Elastomeric Bearings (HITEC September 1998)
- p-40 Evaluations and Findings for Tekton Inc. Roller Bearings (HITEC September 1998)
- p-41 Evaluations and Findings for Tekton Inc. Steel Rubber Bearings (HITEC September 1998)
- p-42 Evaluation Findings for Earthquake Protection Systems, Inc. Friction Pendulum Bearings (HITEC September 1998)
- p-43 Laboratory Evaluation of Waterborne Coatings on Steel (FHWA April 2003)
[Online:](http://www.tfrc.gov/structur/pubs/03032/index.htm) <http://www.tfrc.gov/structur/pubs/03032/index.htm>
- p-44 Iowa Design Manual for Low Water Stream Crossings
[Online:](http://www.intrans.iastate.edu/reports/LWSC.pdf) <http://www.intrans.iastate.edu/reports/LWSC.pdf>
- p-45 Interim Report for Monitoring and Evaluation of Thin Bonded Overlays and Surface Laminates for Bridge Decks (MSU: Dept. of CE August 1997)
[Online:](http://www.archive.org/details/588CE542-779F-4559-BF85-3E8714319A38) <http://www.archive.org/details/588CE542-779F-4559-BF85-3E8714319A38>
- p-46 Performance of Weathering Steel in Highway Bridges: 3rd Phase Report (American Iron and Steel Institute 1995)
[Online:](http://www.steel.org/Content/ContentGroups/Construction2/Bridges/AISI_Construction_Pe15.htm) http://www.steel.org/Content/ContentGroups/Construction2/Bridges/AISI_Construction_Pe15.htm
- p-47 Design, Construction, & Quality Control Guideline for Stress Laminated Timber Bridge Decks (FHWA September 1993)
- p-48 Velocity Variations in Cross-Hole Sonic Logging Surveys—Causes and Impacts in Drilled Shafts (FHWA September 2008)
[Online:](http://www.cflhd.gov/techdevelopment/completed_projects/geotech/velocity/_documents/02_title_forward_TOC.pdf) http://www.cflhd.gov/techdevelopment/completed_projects/geotech/velocity/_documents/02_title_forward_TOC.pdf

Maintenance

- p-50 National Conference on Wood Transportation Structures (USFS 1996)
[Online:](http://www.woodcenter.org/docs/fplgtr94.pdf) <http://www.woodcenter.org/docs/fplgtr94.pdf>
- p-51 Bridge Inspector's Training Manual/90 (FHWA 1991)
- p-52 Extending the Life of a Bridge (ASTM August 1990)

- p-54 Rural Roads and Bridges (USDA 1990)
- p-55 Improving Highway Safety at Bridges on Local Roads and Streets (FHWA 1998)
[Online: http://www.fhwa.dot.gov/tfhrc/safety/pubs/98083/98083.pdf](http://www.fhwa.dot.gov/tfhrc/safety/pubs/98083/98083.pdf)
- p-60 NACE Bridge Maintenance on Local Roads (NACE 1995)
- p-61 NACE Action Guide Volume III-3: Bridge Rehabilitation on Local Roads (NACE 1995)
- p-64 Woods in Transportation Publication List (USDA 1999)
- p-67 Inspection of Timber Bridges Using Stress Wave Timing Nondestructive Evaluation Tools (USFS 1999)
[Online: http://www.fpl.fs.fed.us/documnts/fplgtr/fplgtr114.pdf](http://www.fpl.fs.fed.us/documnts/fplgtr/fplgtr114.pdf)
- p-69 Job Site Evaluation of Corrosion-Resistant Alloys for Use as Reinforcement in Concrete (FHWA June 2006)
[Online: http://www.tfhrc.gov/structur/pubs/06078/HRT-06-078_print.pdf](http://www.tfhrc.gov/structur/pubs/06078/HRT-06-078_print.pdf)
- p-70 Highway Bridge Inspection: State-of-the-Practice Survey (FHWA June 2001)
[Online: http://www.tfhrc.gov/hnr20/nde/pdfs/01033.pdf](http://www.tfhrc.gov/hnr20/nde/pdfs/01033.pdf)
- p-71 Guidelines for Ultrasonic Pins (FHWA July 2004)
<http://www.tfhrc.gov/infrastructure/nde/pubs/04042/04042.pdf>
- p-72 A Critical Literature Review of High-Performance Corrosion Reinforcements in Concrete Bridge Applications (FHWA July 2004)
[Online: http://www.tfhrc.gov/structur/pubs/04093/04093.pdf](http://www.tfhrc.gov/structur/pubs/04093/04093.pdf)
- p-73 Long-Term Performance of Epoxy-Coated Reinforcing Steel in Heavy Salt-Contaminated Concrete (FHWA June 2004)
[Online: http://www.tfhrc.gov/structur/pubs/04090/04090.pdf](http://www.tfhrc.gov/structur/pubs/04090/04090.pdf)
- p-74 Integrity of Infrastructure Materials and Structures (FHWA October 2009)
- p-75 Reliability of Visual Inspection for Highway Bridges (Vol. I & II) (FHWA 2001)
[Online: http://www.tfhrc.gov/hnr20/nde/01105.pdf](http://www.tfhrc.gov/hnr20/nde/01105.pdf)
- p-76 Performance of Concrete Segmental and Cable-Stayed Bridges in Europe (FHWA 2001)
[Online: http://international.fhwa.dot.gov/Pdfs/conc_seg_cabstay_euro.pdf](http://international.fhwa.dot.gov/Pdfs/conc_seg_cabstay_euro.pdf)
- p-77 Assessing Stream Channel Stability at Bridges in Physiographic Regions. (FHWA July 2006)
[Online: http://www.fhwa.dot.gov/engineering/hydraulics/pubs/05072/05072.pdf](http://www.fhwa.dot.gov/engineering/hydraulics/pubs/05072/05072.pdf)
- p-78 A Laboratory and Field Study of Composite Piles for Bridge Structures. (FHWA March 2006)
[Online: http://www.tfhrc.gov/structur/pubs/04043/index.htm#toc](http://www.tfhrc.gov/structur/pubs/04043/index.htm#toc)
- p-80 LTAP Bridge Maintenance Training (Texas LTAP/ Texas Engineering Extension Service 11/2005)
- p-85 Bridge Management Experiences of California, Florida and South Dakota. (FHWA)
[Online: http://www.fhwa.dot.gov/infrastructure/asstmgmt/bmcs7.pdf](http://www.fhwa.dot.gov/infrastructure/asstmgmt/bmcs7.pdf)
- p-86 Bridge Evaluation: Quality Assurance in Europe (FHWA March 2008)
[Online: http://international.fhwa.dot.gov/pubs/pl08016/pl08016.pdf](http://international.fhwa.dot.gov/pubs/pl08016/pl08016.pdf)

EQUIPMENT

Maintenance

- p-103 How to Develop and Use Equipment Performance Specifications (D)
- p-104 Perceptions of Highway Maintenance in Montana: The Results of a Telephone Survey (Nov 1996 MSU) Operation
[Online: http://www.archive.org/details/B756D7CA-9A2C-4546-B988-D62574BA6658](http://www.archive.org/details/B756D7CA-9A2C-4546-B988-D62574BA6658)
- p-150 Motograder Operator Training (MDT 1997)
- p-151 Motor Grader Operators Handbook (MT LTAP 1995)
- p-152 Total Station Training Manual (D) (North Dakota DOT 1993)
- p-155 Front-End Loader Operator Training (MDT 1997)
- p-158 Bulldozer Operator Training (MDT 1997)
- p-161 Backhoe Operator Training (MDT 1997)
- p-165 Field Data Collection Equipment Guide (USFS September 1999)
- p-170 Maintenance Welding Techniques and Applications (Cornell Local Roads Program 1995)
[Online: http://www.clrp.cornell.edu/PDF/welding_manual_1995.pdf](http://www.clrp.cornell.edu/PDF/welding_manual_1995.pdf)

ROADS

Construction

- p-200 Standard Specs. for Construction of Roads and Bridges on Fed Highway Projects (FHWA 1996)
[Online:](http://www.efl.fhwa.dot.gov/design/manual/Fp96.pdf) <http://www.efl.fhwa.dot.gov/design/manual/Fp96.pdf>
- p-201 National Quality Improvement Task Force Report on Quality Assurance Procedures for Highway Construction (FHWA 1994)
- p-202 Road Surface Analyzer (D) (US DOT)
- p-203 Simplified User's Guide to Time-Domain-Reflectometry Monitoring of Slope Stability (USFS Sept 2009)
- p-205 Highway Design Handbook, For Older Drivers and Pedestrians –Vol. I
Guidelines/Recommendations – Vol. 2 (FHWA 2001)
[Online:](http://www.tfhr.gov/humanfac/01103/coverfront.htm) <http://www.tfhr.gov/humanfac/01103/coverfront.htm>
- p-206 Local Low Volume Roads and Streets (FHWA 1992)
[Online:](http://www.tfhr.gov/humanfac/01105/cover.htm) <http://www.tfhr.gov/humanfac/01105/cover.htm>
- p-207 A Policy on Geometric Design of Highways and Streets (AASHTO 1990)
[Online:](http://www.knovel.com/web/portal/browse/display?_EXT_KNOVEL_DISPLAY_bookid=2528) http://www.knovel.com/web/portal/browse/display?_EXT_KNOVEL_DISPLAY_bookid=2528
- p-209 The Basics of a Good Road (CLRP 1990)
- p-212.A Introduction to the Highway Safety Manual (AASHTO 2010)
- p-212.1 Highway Safety Manual, 1st Edition, Volume 1 (AASHTO 2010)
- p-212.2 Highway Safety Manual, 1st Edition, Volume 2 (AASHTO 2010)
- p-212.3 Highway Safety Manual, 1st Edition, Volume 3 (AASHTO 2010)
- p-213 Highway Engineering Handbook, Second Edition, McGraw-Hill, (2003)
- p-214 Geometric Design of Highways and Streets 2004 (compliment to p-207) (AASHTO 2004)
[Online:](http://www.ent.ohiou.edu/~trans/CE566/PDF%20Files%20for%20Web/Design%20Vehicles.pdf) <http://www.ent.ohiou.edu/~trans/CE566/PDF%20Files%20for%20Web/Design%20Vehicles.pdf>
- p-215 Montana LTAP Inspector's Job Guide for Highway Maintenance Tables (Montana LTAP 2004)
- p-216 Superior Materials, Advanced Test Methods, and Specifications in Europe (FHWA 2004)
[Online:](http://isddc.dot.gov/OLPFiles/FHWA/011375.pdf) <http://isddc.dot.gov/OLPFiles/FHWA/011375.pdf>
- p-218 Field Guide for Unpaved Rural Roads (Kansas LTAP 2004)
[Online:](http://www.t2.unh.edu/pubs/field_guide.pdf) http://www.t2.unh.edu/pubs/field_guide.pdf
- p-219 Field Guide for Unpaved Rural Roads (WY T2 1997)
- p-221 Use of Warranties on In-Service Performance for Roadway Construction Projects (MSU August 1998)
[Online:](http://www.archive.org/details/F08FE6FC-21CC-4C90-9410-12A7B428FEF5) <http://www.archive.org/details/F08FE6FC-21CC-4C90-9410-12A7B428FEF5>
- p-222 A Guide for Achieving Flexibility in Highway Design (AASHTO May 2004)
- p-223 Application of Geophysical Methods to Highway Related Problems (FHWA August 2004)
- p-225 Guidelines for Geometric Design of Very Low-Volume Local Roads (AASHTO 2001)
- p-226 Low-Volume Roads 2007, Volume 1, TRB No. 1989 (TRB 2007)
- p-227 Deep Patch Road Embankment Repair Application Guide (USDA October 2005)
<http://www.fs.fed.us/eng/pubs/pdf/05771204.pdf>
- p-230 Low-Cost Treatments for Horizontal Curve Safety (FHWA December 2006)
[Online:](http://safety.fhwa.dot.gov/roadway_dept/horicurves/fhwasa07002/fhwasa07002.pdf) http://safety.fhwa.dot.gov/roadway_dept/horicurves/fhwasa07002/fhwasa07002.pdf
- p-231 The Federal Highway Administration Highway Cost Allocation Workshop (FHWA June 1995)
- p-232 Advanced Surveying and Mapping Technologies: Systems Overview & Applications (FHWA 5/2008)
[Online:](http://www.cflhd.gov/techDevelopment/completed_projects/survey/_documents/02_Title_Forward_TOC.pdf) http://www.cflhd.gov/techDevelopment/completed_projects/survey/_documents/02_Title_Forward_TOC.pdf
- p-233 Assessment of Computer-Assisted Interactive Applications (FHWA December 1993)
- p-234 Surveying Methods for Local Highway Departments (D) (Cornell Local Roads Program 1994)
- p-235 NCHRP Report 440: Accident Mitigation Guide for Congested Rural Two-Lane Highways (TRB 2000)
- p-236 Ground-Based LIDAR Rock Slope Mapping and Assessment (FHWA September 2008)
[Online:](http://www.cflhd.gov/techDevelopment/completed_projects/geotech/LiDAR/_documents/02_title_forward_toc.pdf) http://www.cflhd.gov/techDevelopment/completed_projects/geotech/LiDAR/_documents/02_title_forward_toc.pdf
- p-237 Safety Evaluation of Lane and Shoulder Width Combinations on Rural, Two-Lane, Undivided Roads (FHWA 2009)

- [Online: http://www.tfhr.gov/safety/pubs/09031/09031.pdf](http://www.tfhr.gov/safety/pubs/09031/09031.pdf)
 p-252 Transportation Research Board of the National Academies: Eighth International Conference on Low-Volume Roads 2003 (No. 1819, Vols.1&2) (TRB 2003)
- p-255 The Status Applicability of Intelligent Transportation Systems in Montana (WTI 1996)
 p-257 Technology in Rural Transportation “Simple Solutions” (FHWA 1997)
[Online: http://www.fhwa.dot.gov/tfhr/safety/pubs/its/ruralitsandrd/simsolutions.pdf](http://www.fhwa.dot.gov/tfhr/safety/pubs/its/ruralitsandrd/simsolutions.pdf)
- p-260 Long-Term Durability of Geosynthesis Based on Exhumed Samples From Construction Projects
 p-264 Montana Statewide ITS Strategic Plan-June 1999 (WTI 1999)
 p-266 Performance Test for Geosynthetic-Reinforced Soil Including Effects of Preloading (FHWA January 2001)
[Online: http://www.tfhr.gov/structur/gtr/01-018.pdf](http://www.tfhr.gov/structur/gtr/01-018.pdf)
- p-267 Intelligent Transportation System Benefits: 2001 Update (FHWA 2001)
[Online: http://ntl.bts.gov/lib/jpodocs/repts_te/13463.pdf](http://ntl.bts.gov/lib/jpodocs/repts_te/13463.pdf)
- p-268 What Have We Learned About Intelligent Transportation Systems? (FHWA 2000)
[Online: http://tmap.colostate.edu/Library/FHWA/FHWA-OP-00-what.pdf](http://tmap.colostate.edu/Library/FHWA/FHWA-OP-00-what.pdf)
- p-269 Guide to Risk Assessment and Allocation for Highway Construction Management (FHWA October 2006)
[Online: http://international.fhwa.dot.gov/riskassess/pl06032.pdf](http://international.fhwa.dot.gov/riskassess/pl06032.pdf)
- p-270 Guide to Earthwork Construction (TRB 1990)
[Online: http://onlinepubs.trb.org/onlinepubs/sar/sar_8.pdf](http://onlinepubs.trb.org/onlinepubs/sar/sar_8.pdf)
- p-271 Intro to Deep Mixing Methods as Used in Geotechnical Applications (FHWA October 2001)
[Online: http://isddc.dot.gov/OLPFiles/FHWA/009360.pdf](http://isddc.dot.gov/OLPFiles/FHWA/009360.pdf)
- p-279 Montana Public Works Standard Specifications – Fourth Edition (Montana Contractors Association Inc. 1996)
[Online: http://www.archive.org/details/montanapublicwor00mont](http://www.archive.org/details/montanapublicwor00mont)
- p-280 Montana Public Works Standard Specifications – Fifth Edition (Montana Contractors Association Inc. 2003)
[Online: http://www.bozeman.net/bozeman/water-sewer/pdfs/COB_Modifications_to_MPWSS_Version_5.pdf](http://www.bozeman.net/bozeman/water-sewer/pdfs/COB_Modifications_to_MPWSS_Version_5.pdf)
- p-281 Addendum Number #2 to the Montana Public Works Standard Specifications (Montana Contractors Association 2000)
- p-284 Clay Seam Mapping With Electromagnetic Induction (FHWA November 2005)
[Online: http://www.epl.fhwa.dot.gov/files/technology/NATR-Clay-Seam-Mapping-using-Electromagnetic-Induction.pdf](http://www.epl.fhwa.dot.gov/files/technology/NATR-Clay-Seam-Mapping-using-Electromagnetic-Induction.pdf)
- p-285 Infrastructure Research and Technology Stakeholder Workshop Summary Report (FHWA 2003)
[Online: http://www.fhwa.dot.gov/infrastructure/irtfinalsep03.pdf](http://www.fhwa.dot.gov/infrastructure/irtfinalsep03.pdf)
- p-286 Context Sensitive Roadway Surfacing Selection Guide (FHWA August 2005)
[Online: http://www.cflhd.gov/techDevelopment/completed_projects/pavement/context-roadway-surfacing/_documents/context0-toc.pdf](http://www.cflhd.gov/techDevelopment/completed_projects/pavement/context-roadway-surfacing/_documents/context0-toc.pdf)
- p-287 Subsurface Imaging of Lava Tubes, Roadway Applications (FHWA September 2005)
[Online: http://www.cflhd.gov/techDevelopment/completed_projects/geotech/lava-tubes/_documents/lava00-toc.pdf](http://www.cflhd.gov/techDevelopment/completed_projects/geotech/lava-tubes/_documents/lava00-toc.pdf)
- p-288 INSAR Applications for Highway Transportation Projects (FHWA April 2006)
[Online: http://tmap.colostate.edu/Library/FHWA/FHWA-TD-06-002.pdf](http://tmap.colostate.edu/Library/FHWA/FHWA-TD-06-002.pdf)
- p-289 InSAR Deformation Monitoring: General’s Highway, Sequoia Nat’l Park (FHWA July 2009)
- p-290 A AASHTO Provisional Standards 2006 (AASHTO 2006)p-290 B AASHTO Provisional Standards – Standard Specifications for Transportation Materials and Methods of Sampling and Testing Part 1A – Specifications
- p-290 C AASHTO Provisional Standards – Standard Specifications for Transportation Materials and Methods of Sampling and Testing Part 2 A- Tests
- p-290 D AASHTO Provisional Standards – Standard Specifications for Transportation Materials and Methods of Sampling and Testing Part 2B – Specifications
- p-290 E AASHTO Provisional Standards – Standard Specifications for Transportation Materials and Methods of Sampling and Testing Part 2B – Tests
- p-294 Road Safety Assessment: Amsterdam Road/I-90 EB On-ramp (MDT October 2010)
- p-295 Road Safety Audits: Case Studies (FHWA March 2007)

Asphalt and Pavement

- p-302 Pavement Notebook for FHWA Engineers (FHWA 1996)
[Online: http://isddc.dot.gov/OLPFiles/FHWA/009630.pdf](http://isddc.dot.gov/OLPFiles/FHWA/009630.pdf)
- p-303 Distress Identification Guide From the Long-Term Pavement Performance Program (LTAP Clearinghouse 8/2005)
- p-304 Asphalt PASER Manual (Wisconsin Transportation Information Center 1987, 1989 ed.)
- p-305 Long-Term Pavement Performance Program – Falling Weight Deflectometer Maintenance Manual (FHWA December 2006)
<http://www.fhwa.dot.gov/pavement/ltp/pubs/05153/05153.pdf>
- p-306 Long-Term Pavement Performance Program – Falling Weight Deflectometer Measurements, Version 4.1 (FHWA December 2006)
[Online: http://www.fhwa.dot.gov/pavement/ltp/pubs/06132/06132.pdf](http://www.fhwa.dot.gov/pavement/ltp/pubs/06132/06132.pdf)
- p-307 Long Term Pavement Performance Computed Parameter: Moisture Content (FHWA March 2008)
[Online: http://www.fhwa.dot.gov/pavement/ltp/pubs/08035/08035.pdf](http://www.fhwa.dot.gov/pavement/ltp/pubs/08035/08035.pdf)
- p-308 Long-Term Pavement Performance Computed Parameter: Frost Penetration
[Online: http://www.fhwa.dot.gov/pavement/ltp/pubs/08057/08057.pdf](http://www.fhwa.dot.gov/pavement/ltp/pubs/08057/08057.pdf)
- p-309 Environmental Considerations in the Use of Salvaged Asphalt Pavement (MT DOT July 1994)
[Online: http://www.mdt.mt.gov/research/docs/research_proj/recycled_asph/salvaged_asphalt.pdf](http://www.mdt.mt.gov/research/docs/research_proj/recycled_asph/salvaged_asphalt.pdf)
- p-310 Long-Term Pavement Performance Program Manual for Profile Measurements and Processing
[Online: http://www.fhwa.dot.gov/pavement/ltp/pubs/08056/08056.pdf](http://www.fhwa.dot.gov/pavement/ltp/pubs/08056/08056.pdf)
- p-311 Utility Cuts in Paved Roads: Field Guide (FHWA September 1996)
[Online: http://www.dot.state.il.us/blr/l014.pdf](http://www.dot.state.il.us/blr/l014.pdf)
- p-312 A Quick Check of Your Highway Network Health (FHWA 2006)
[Online: http://www.pavementpreservation.org/toolbox/links/QuickCheck2.pdf](http://www.pavementpreservation.org/toolbox/links/QuickCheck2.pdf)
- p-313 Pavement Management at the Local Government Level (D) (FHWA July 1990)
- p-314 Full Depth Recycling Workshop File (2004)
- p-316 Asphalt Pavement: Warranties, Technology, and Practice in Europe (FHWA November 2003)
[Online: http://international.fhwa.dot.gov/apw/apwscan.pdf](http://international.fhwa.dot.gov/apw/apwscan.pdf)
- p-319 Recommended Performance Guidelines – (AEMA 1991)
- p-321 Improving Pavements With Long-Term Pavement Performance: Products for Today and Tomorrow (FHWA September 2006)
[Online: http://www.fhwa.dot.gov/pavement/ltp/pubs/06109/06109.pdf](http://www.fhwa.dot.gov/pavement/ltp/pubs/06109/06109.pdf)
- p-322 Design of Hot Mix Asphalt Pavements (NAPA 1991)
- p-325 'Glasphalt' Utilization Dependent on Availability (D) (Roads & Bridges 1993)
- p-326 Recycling: Will Roads Become 'Linear Landfills'? (D) (Roads & Bridges 1992)
- p-327 Glass Roads Cut Costs (D) (Better Roads 1993)
- p-328 User Guidelines for Waste and By-Product Materials in Pavement Construction (FHWA April 1998)
- p-329 Polymerized Crumb Rubber Modified Mixtures in Minnesota (Minn DOT January 1994)
- p-331 Rural Road Condition Survey Guide (Parts I-III) (ERES Consultants, Inc. 1995)
- p-332 Pavement Condition Survey Guide for City Streets (Parts I-III) (ERES Consultants, Inc. 1994)
- p-333 A Study of Recycling Feasibility (MDT 1996)
[Online: http://www.mdt.mt.gov/research/docs/research_proj/recycled_asph/recycle_feasibility.pdf](http://www.mdt.mt.gov/research/docs/research_proj/recycled_asph/recycle_feasibility.pdf)
- p-334 Montana Department of Transportation Maintenance Chip Seal Manual (MDT 1996)
- p-335 Asphalt Roadway Rehabilitation Alternatives-Instructor's Manual --Slides to accompany training course
- p-336 Asphalt Roadway Rehabilitation Alternatives-Participant's Manual (FHWA 1997)
[Online: http://isddc.dot.gov/OLPFiles/FHWA/013560.pdf](http://isddc.dot.gov/OLPFiles/FHWA/013560.pdf)
- p-337 Asphalt Paving Inspection and Chip Seal Application Checklists (FHWA)
[Online: http://www.fhwa.dot.gov/Pavement/preservation/ppcl02.pdf](http://www.fhwa.dot.gov/Pavement/preservation/ppcl02.pdf)
- p-339 Coordinated Freeway and Arterial Operations Handbook (FHWA May 2006)
[Online: http://www.tfhrcc.gov/its/pubs/06095/06095.pdf](http://www.tfhrcc.gov/its/pubs/06095/06095.pdf)
- p-340 Freeway Management Handbook (FHWA August 1997)
[Online: http://www.library.unt.edu/gpo/OTA/pubs/fmh/mastoccd.pdf](http://www.library.unt.edu/gpo/OTA/pubs/fmh/mastoccd.pdf)
- p-341 Advanced Quality systems: Guidelines for Establishing and Maintaining construction Quality

- Databases (FHWA November 2006)
[Online:](http://www.fhwa.dot.gov/pavement/concrete/pubs/07019/07019.pdf) <http://www.fhwa.dot.gov/pavement/concrete/pubs/07019/07019.pdf>
- p 344 Superpave Construction Guidelines (FHWA October 1994)
- p 343 Portable Seismic Property Analyzer: Identification of Asphalt Pavement Layers (FHWA July 2009)
- p-345 Longitudinal Joints: Problems and Solutions
- p-348 Current Application and Successful Implementation of Local Agency Pavement Management in the US (FHWA 1997)
- p-349 Segregation Causes and Cures for Hot Mix (AASHTO 1997)
- p-351 Life-Cycle Cost Analysis in Pavement Design (FHWA September 1998)
[Online:](http://isddc.dot.gov/OLPFiles/FHWA/013017.pdf) <http://isddc.dot.gov/OLPFiles/FHWA/013017.pdf>
- p-352 Pavement Preservation: A Road Map for the Future (FHWA October 1998)
[Online:](http://isddc.dot.gov/OLPFiles/FHWA/014729.pdf) <http://isddc.dot.gov/OLPFiles/FHWA/014729.pdf>
- p-353 LTPP Pavement Maintenance Materials: SPS-4 Supplemental Joint Seal Experiment, Final Report (FHWA October 1999)
[Online:](http://isddc.dot.gov/OLPFiles/FHWA/013742.pdf) <http://isddc.dot.gov/OLPFiles/FHWA/013742.pdf>
- p-354 LTPP Pavement Maintenance Materials: PCC Partial-Depth Spall Repair Experiment, Final Report (ERES Consultants, Inc. October 1999)
[Online:](http://isddc.dot.gov/OLPFiles/FHWA/013717.pdf) <http://isddc.dot.gov/OLPFiles/FHWA/013717.pdf>
- p-355 Evaluation Findings of the MX 30 Pavement Marking Retroreflectorometer (HITEC 2000)
- p-356 Evaluation Findings of the Mirolux Plus Pavement Marking Retroreflectorometer (HITEC 2000)
- p-357 Evaluation Findings of the Laserlux Mobile Pavement Marking Retroreflectorometer (HITEC 2000)
- p-358 Evaluation Findings of the LTL 2000 Pavement Marking Retroreflectorometer (HITEC 2000)
- p-359 Evaluation Findings of the Ecodyn Mobile Pavement Marking Retroreflectorometer (HITEC 2000)
- p-360 Evaluation Findings of the FRT01 Pavement Marking Retroreflectorometer (HITEC 2000)
- p-361 Insights into Pavement Preservation (FHWA 2000)
[Online:](http://isddc.dot.gov/OLPFiles/FHWA/013687.pdf) <http://isddc.dot.gov/OLPFiles/FHWA/013687.pdf>
- p-362 Temperature Predictions and Adjustment Factors for Asphalt Pavement (FHWA June 2000)
[Online:](http://www.tfrc.gov/pavement/ltpa/pdf/98085a.pdf) <http://www.tfrc.gov/pavement/ltpa/pdf/98085a.pdf>
- p-363 Flexibility in Highway Design (FHWA 1997)
[Online:](http://ttap.colostate.edu/Library/FHWA/FHWA-PD-97-062.pdf) <http://ttap.colostate.edu/Library/FHWA/FHWA-PD-97-062.pdf>
- p-364 Recycled Materials in European Highway Environments (FHWA October 2000)
[Online:](http://international.fhwa.dot.gov/pdfs/recycolor.pdf) <http://international.fhwa.dot.gov/pdfs/recycolor.pdf>
- p-365 Pavement Management (Delaware DOT October 2000)
- p-366 Pavement Management Catalog for Software and Data Collection Equipment (FHWA 2002)
[Online:](http://knowledge.fhwa.dot.gov/tam/aashto.nsf/All+Documents/9C49D4630693632085256CCCC0485AE2/$FILE/PMScatalog.pdf) [http://knowledge.fhwa.dot.gov/tam/aashto.nsf/All+Documents/9C49D4630693632085256CCCC0485AE2/\\$FILE/PMScatalog.pdf](http://knowledge.fhwa.dot.gov/tam/aashto.nsf/All+Documents/9C49D4630693632085256CCCC0485AE2/$FILE/PMScatalog.pdf)
- p-367 Asphalt Seal Coat Treatments (USFS April 1999)
[Online:](http://www.fs.fed.us/eng/pubs/html/99771201/99771201.htm) <http://www.fs.fed.us/eng/pubs/html/99771201/99771201.htm>
- p-368 Crack Seal Application (FHWA November 2001)
[Online:](http://www.fhwa.dot.gov/Pavement/preservation/ppcl01.pdf) <http://www.fhwa.dot.gov/Pavement/preservation/ppcl01.pdf>
- p-369 Pavement Preservation Checklists Series: (FHWA 2002)
 1) Crack Seal 2) Chip Seal Application 3) Thin Hot-Mix Asphalt Overlay 4) Fog Seal Application 5) Microsurfacing Application 6) Joint Sealing Portland Cement Concrete Pavements 7) Diamond Grinding of Portland Cement Concrete Pavements 8) Dowel-Bar Retrofit for Portland Cement Concrete Pavements Checklist 9) Partial-Depth Repair of Portland Cement Concrete Pavements 10) Full-Depth of Portland Cement Concrete Pavements 11) Hot In-Place Asphalt Recycling Application Checklist 12) Cold In-Place Asphalt Recycling Application Checklist 13) Slurry Seal Application Checklist
[Online:](http://www.fhwa.dot.gov/pavement/preservation/ppcl00.cfm) <http://www.fhwa.dot.gov/pavement/preservation/ppcl00.cfm>
- p-370 Superpave Mixture Design Guide (FHWA February 2001)
[Online:](http://www.tfrc.gov/pavement/1052.pdf) <http://www.tfrc.gov/pavement/1052.pdf>
- p-371 Hot-Mix Asphalt Paving Handbook 2000 (US Army Corps of Engineers 2000)
[Online:](http://www.faa.gov/documentLibrary/media/advisory_circular/150-5370-14A/150_5370_14a_app1_Introduction.pdf) http://www.faa.gov/documentLibrary/media/advisory_circular/150-5370-14A/150_5370_14a_app1_Introduction.pdf
- p- 372 Evaluations and Findings of Bondage CU-31 Bonding Solution (HITEC September 1998)

- p-373 Chip Seals (TEEX February 2007)
- p-374 Guidelines for Using Prime and Tack Coats (FHWA July 2005)
[Online: http://tmap.colostate.edu/Library/FHWA/FHWA-TD-05-002.pdf](http://tmap.colostate.edu/Library/FHWA/FHWA-TD-05-002.pdf)
- p-375 Performance Analysis of an Experimental Field Project Utilizing Asphalt Modifiers: Final Report (MSU: Dept. of CE March 1997)
[Online: http://www.archive.org/details/AF7F3385-B0BF-4A62-A9FF-04AD5B2BBF94](http://www.archive.org/details/AF7F3385-B0BF-4A62-A9FF-04AD5B2BBF94)
- p-376 Selecting a Preventive Maintenance Treatment for Flexible Pavements (FHWA August 2000)
[Online: http://isddc.dot.gov/OLPFiles/FHWA/013551.pdf](http://isddc.dot.gov/OLPFiles/FHWA/013551.pdf)
- p-379 Modeling of Hot-Mix Asphalt Compaction: A Thermodynamics-Based Compressible Viscoelastic Model (FHWA 2010)
- p-380 A Predictive Approach for Long-Term Performance of Recycled Materials Using Accelerated Aging, Volume I & Volume II. (FHWA June 2001)
- p-381 Fundamental Properties of Asphalts/Modified Asphalts –Vol. I & Vol. 2 (FHWA 1999)
- p-384 Improving pavements With Long-Term Pavement Performance: Products for Today and Tomorrow (FHWA November 2005)
<http://www.fhwa.dot.gov/pavement/ltp/pubs/03049/03049.pdf>
- p-385 Guidelines on the Use of Thermistor and Time Domain Reflectometry Instrumentation for Spring Thaw Road Management on Low Volume Asphalt Roads (USFS December 2001)
- p-386 Asphalt Pavement Maintenance-Field Guide (Minn DOT June 2002)
[Online: http://www.dot.state.ak.us/stwddes/research/assets/pdf/apmfg.pdf](http://www.dot.state.ak.us/stwddes/research/assets/pdf/apmfg.pdf)
- p-387 Design, Construction, and Maintenance of Open-Graded Asphalt Friction Courses (NAPA 2002)
- p-388 Quantification of Smoothness Index Differences Related to Long-Term Pavement performance Equipment Type (FHWA September 2005)
[Online: http://www.fhwa.dot.gov/pavement/ltp/pubs/05054/05054.pdf](http://www.fhwa.dot.gov/pavement/ltp/pubs/05054/05054.pdf)
- p-389 Pavement Smoothness Index Relationships: Final Report (FHWA October 2002)
[Online: http://tmap.colostate.edu/Library/FHWA/FHWA-RD-02-057.pdf](http://tmap.colostate.edu/Library/FHWA/FHWA-RD-02-057.pdf)
- p-390 Study of LTPP Laboratory Resilient Modulus Test Data and Response Characteristics: Final Report (FHWA October 2002)
[Online: http://www.tfrc.gov/pavement/ltp/reports/02051/02051.htm#F56](http://www.tfrc.gov/pavement/ltp/reports/02051/02051.htm#F56)
- p-391 Back-Calculation of Layer Parameters for LTPP Test Sections, Volume II: Layered Elastic Analysis for Flexible and Rigid Pavements (FHWA October 2002)
[Online: http://tmap.colostate.edu/Library/FHWA/FHWA-RD-01-113.pdf](http://tmap.colostate.edu/Library/FHWA/FHWA-RD-01-113.pdf)
- p-392 Validation of the Superpave Asphalt Binder Fatigue Cracking Parameter Using an Accelerated Loading Facility (FHWA October 2002)
- p-393 Optimization of Traffic Data Collection for Specific Pavement Design Applications (FHWA May 2006)
[Online: http://www.fhwa.dot.gov/pavement/ltp/pubs/05079/05079.pdf](http://www.fhwa.dot.gov/pavement/ltp/pubs/05079/05079.pdf)
- p-394 Long-Term Pavement Performance (LTPP) Data Analysis Support: National Pooled fund Study TPF-5(013) (FHWA November 2006)
[Online: http://www.fhwa.dot.gov/pavement/ltp/pubs/06121/06121.pdf](http://www.fhwa.dot.gov/pavement/ltp/pubs/06121/06121.pdf)
- p-396 Exposure of Paving Workers to Asphalt Emissions When using Asphalt Rubber Mixers (Asphalt Rubber Producers Group, Grace Rinck, & Dan Napier, 1991)
- p-397 Manual for Emulsion-Based Chip Seals for Pavement Preservation (NCHRP Report 680, April 2011) **[On-line ONLY]**
[Online: http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_680.pdf](http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_680.pdf)

Concrete

- p-400 Users Manual for LS-DYNA Concrete Material Model 159 (FHWA May 2007)
[Online: http://www.tfrc.gov/safety/pubs/05062/05062.pdf](http://www.tfrc.gov/safety/pubs/05062/05062.pdf)
- p-401 Evaluation of LS-DYNA Concrete Material Model 159 (FHWA May 2007)
[Online: http://www.tfrc.gov/safety/pubs/05063/05063.pdf](http://www.tfrc.gov/safety/pubs/05063/05063.pdf)
- p-402 Freeze-Thaw Resistance of Concrete With Marginal Air Content (FHWA Dec 2006)
[Online: http://www.fhwa.dot.gov/pavement/pccp/pubs/06117/06117.pdf](http://www.fhwa.dot.gov/pavement/pccp/pubs/06117/06117.pdf)
- p-403 Concrete PASER Manual (Transportation Information Center-University of Wisconsin February 1992)
[Online: http://epdfiles.engr.wisc.edu/pdf_web_files/tic/manuals/Concrete-PASER_02.pdf](http://epdfiles.engr.wisc.edu/pdf_web_files/tic/manuals/Concrete-PASER_02.pdf)
- p-404 Report on the 1992 U.S. Tour of European Concrete Highways (AASHTO 1992)
- p-405 The Use of Lithium to Prevent or Mitigate Alkali-Silica Reaction in a Concrete Pavements and

- Structures (FHWA March 2007)
[Online:](http://www.fhwa.dot.gov/pavement/concrete/pubs/06133/06133.pdf) <http://www.fhwa.dot.gov/pavement/concrete/pubs/06133/06133.pdf>
- p-407 High Performance Concrete Tool Kit (FHWA May 1997)
- p-411 Accelerated Aging of Concrete: A Literature Review (FHWA February 2002)
- p-410 Development of a Multiaxial Viscoelastoplastic Continuum Damage Model for Asphalt Mixtures (FHWA Sept 2009)
- p-412 Computer-Based Guidelines for Concrete Pavements, Volume I: Project Summary (FHWA February 2005)
[Online:](http://www.tfhc.gov/pavement/pubs/04121/04121.pdf) <http://www.tfhc.gov/pavement/pubs/04121/04121.pdf>
- p-413 Computer-Based Guidelines for Concrete Pavements, Volume II: Design and Construction Guidelines and HIPERPAV II User's Manual (FHWA February 2005)
[Online:](http://www.hiperpav.com/downloads/FHWA-HRT-04-122.pdf) <http://www.hiperpav.com/downloads/FHWA-HRT-04-122.pdf>
- p-414 Computer-Based Guidelines for Concrete Pavements, Volume III: Technical Appendices (FHWA January 2006)
[Online:](http://www.fhwa.dot.gov/pavement/pccp/pubs/04127/04127.pdf) <http://www.fhwa.dot.gov/pavement/pccp/pubs/04127/04127.pdf>
- p-415 Portland-Cement Concrete Rheology and Workability: Final Report (FHWA April 2001)
[Online:](http://www.tfhc.gov/pavement/pccp/pdfs/00025.pdf) <http://www.tfhc.gov/pavement/pccp/pdfs/00025.pdf>
- p-416 Concrete Mixture Optimization Using Statistical Methods: Final Report (FHWA September 2003)
[Online:](http://www.tfhc.gov/pavement/pubs/03060/03060.pdf) <http://www.tfhc.gov/pavement/pubs/03060/03060.pdf>
- p-417 Guidelines for the Use of Lithium to Mitigate or Prevent Alkali-Silica Reaction (ASR) (FHWA July 2003)
[Online:](http://www.tfhc.gov/pavement/pccp/pubs/03047/) <http://www.tfhc.gov/pavement/pccp/pubs/03047/>
- p-418 Estimating Cumulative Traffic Loads, Volume II (FHWA March 2005)
[Online:](http://www.fhwa.dot.gov/pavement/ltp/03094/03094.pdf) <http://www.fhwa.dot.gov/pavement/ltp/03094/03094.pdf>
- p-419 Assessment of Selected LTPP Material: Data Tables and Development of Representative Test Tables (FHWA March 2003)
[Online:](http://www.tfhc.gov/pavement/ltp/reports/02001/02001.htm) <http://www.tfhc.gov/pavement/ltp/reports/02001/02001.htm>
- p-420 Backcalculation of Layer Parameters for LTPP Test Sections, Vol.I (FHWA January 2001)
[Online:](http://www.tfhc.gov/pavement/ltp/pdf/00086.pdf) <http://www.tfhc.gov/pavement/ltp/pdf/00086.pdf>
- p-421 Rural Roadway Information & Management System for Windows (The North Dakota State University Technology Transfer Center April 1998)
- p-422 The ND Technology transfer Center's Roadway Sign Inventory & Management System for County Road or City Street Dept.-Operations Manual (Version 6.0 for Windows) (The North Dakota State University Technology Transfer Center March 1998)
- p-423 Interim Recommendations for the Use of Lithium to Mitigate or Prevent Alkali-Silica Reaction (ASR) (FHWA July 2006)
[Online:](http://www.fhwa.dot.gov/Pavement/pub_details.cfm?id=437) http://www.fhwa.dot.gov/Pavement/pub_details.cfm?id=437
- p-424 Guide for Curing Portland Cement Concrete Pavements, Volume II (FHWA August 2006)
[Online:](http://www.fhwa.dot.gov/pavement/pccp/pubs/05038/05038.pdf) <http://www.fhwa.dot.gov/pavement/pccp/pubs/05038/05038.pdf>
- p-425 Microdamage Healing in Asphalt and Asphalt Concrete; Volume I, Volume II, Volume III, Volume IV. (FHWA June 2001)
[Online:](http://isddc.dot.gov/OLPFiles/FHWA/012849.pdf) <http://isddc.dot.gov/OLPFiles/FHWA/012849.pdf>
[Online:](http://isddc.dot.gov/OLPFiles/FHWA/012723.pdf) <http://isddc.dot.gov/OLPFiles/FHWA/012723.pdf>
[Online:](http://isddc.dot.gov/OLPFiles/FHWA/012857.pdf) <http://isddc.dot.gov/OLPFiles/FHWA/012857.pdf>
[Online:](http://isddc.dot.gov/OLPFiles/FHWA/012966.pdf) <http://isddc.dot.gov/OLPFiles/FHWA/012966.pdf>
- p-426 Incremental Costs and Performance Benefits of Various Features (FHWA April 2004)
[Online:](http://www.tfhc.gov/pavement/pubs/04044/04044.pdf) <http://www.tfhc.gov/pavement/pubs/04044/04044.pdf>
- p-427 The Effects of Higher Strength and Associated Concrete Properties on Pavement Performance (FHWA June 2001)
[Online:](http://www.tfhc.gov/pavement/pubs/00161a.pdf) <http://www.tfhc.gov/pavement/pubs/00161a.pdf>
- p-428 Long-Life Concrete Pavements in Europe and Canada (FHWA & AASHTO August 2007) **[Online ONLY]**
[Online:](http://international.fhwa.dot.gov/pubs/pl07027/pl07027.pdf) <http://international.fhwa.dot.gov/pubs/pl07027/pl07027.pdf>
- p-429 Design of Continuously Reinforced Concrete Pavements Using Glass Fiber Reinforced Polymer Rebars (FHWA October 2005)
[Online:](http://tmap.colostate.edu/Library/FHWA/FHWA-HRT-05-081.pdf) <http://tmap.colostate.edu/Library/FHWA/FHWA-HRT-05-081.pdf>
- p-430 Prediction of Chloride Penetration in Concrete (FHWA October 2001)

- p-431 [Online: http://www.fhwa.dot.gov/Pavement/pub_details.cfm?id=71](http://www.fhwa.dot.gov/Pavement/pub_details.cfm?id=71)
Electrochemical Chloride Extraction: Influence of Concrete Surface on Treatment (FHWA October 2002)
- p-432 [Online: http://www.tfhr.gov/structur/pubs/02107/02107.pdf](http://www.tfhr.gov/structur/pubs/02107/02107.pdf)
Service Life Prediction Based on Sorptivity for Highway Concrete Exposed to Sulfate Attack and Freeze-Thaw Conditions (FHWA March 2002)
- p-434 Guidelines for Detection, Analysis, and Treatment of Materials-Related Distress in Concrete Pavements, Volumes 1, 2, & 3 (FHWA August 2002)
[Online: http://isddc.dot.gov/OLPFiles/FHWA/013378.pdf](http://isddc.dot.gov/OLPFiles/FHWA/013378.pdf)
[Online: http://isddc.dot.gov/OLPFiles/FHWA/013376.pdf](http://isddc.dot.gov/OLPFiles/FHWA/013376.pdf)
[Online: http://isddc.dot.gov/OLPFiles/FHWA/013357.pdf](http://isddc.dot.gov/OLPFiles/FHWA/013357.pdf)
- p-435 Transport Properties and Durability of Concrete: Literature Review and Research Plan
[Online: http://fire.nist.gov/bfrlpubs/build99/PDF/b99038.pdf](http://fire.nist.gov/bfrlpubs/build99/PDF/b99038.pdf)
- p-436 Corrosion Inhibitors in Concrete (FHWA March 2002)
- p-437 Long-Term Effectiveness of Cathodic Protection Systems on Highway Structures (FHWA July 2003)
[Online: http://www.tfhr.gov/pavement/ltp/pdf/01096.pdf](http://www.tfhr.gov/pavement/ltp/pdf/01096.pdf)
- p-438 Long-Term Performance of Corrosion Inhibitors Used in the Repair of Reinforced Concrete Bridge Components (FHWA July 2003)
[Online: http://www.tfhr.gov/pavement/ltp/reports/01097/pdf/01097.pdf](http://www.tfhr.gov/pavement/ltp/reports/01097/pdf/01097.pdf)
- p-439 Achieving a High Level of Smoothness in Concrete Pavements Without Sacrificing Long-Term Performance (FHWA October 2005)
[Online: http://www.fhwa.dot.gov/pavement/pccp/pubs/05068/05068.pdf](http://www.fhwa.dot.gov/pavement/pccp/pubs/05068/05068.pdf)
- p-440 Long-Term Plan for Concrete Pavement Research and Technology—The Concrete Pavement Road Map: Volume I, Background and Summary (FHWA September 2005)
[Online: http://www.fhwa.dot.gov/pavement/pccp/pubs/05052/05052.pdf](http://www.fhwa.dot.gov/pavement/pccp/pubs/05052/05052.pdf)
- p-441 Long-Term Plan for Concrete Pavement Research and technology—The Concrete Pavement Road Map: Volume II, Tracks (FHWA September 2005)
[Online: http://www.fhwa.dot.gov/pavement/pccp/pubs/05053/05053.pdf](http://www.fhwa.dot.gov/pavement/pccp/pubs/05053/05053.pdf)
- p-442 Pavement Preservation Checklists; #7 – 13 (National Center for Pavement Preservation, Rec'd January 2006)
[Online: http://www.fhwa.dot.gov/Pavement/pub_details.cfm?id=348](http://www.fhwa.dot.gov/Pavement/pub_details.cfm?id=348)
- p-443 A Highway Concrete Pavement Technology Development and Testing: Volume I – Field Evaluation of Strategic Highway Research Program (SHRP_C-202 Test Sites (Alkali-Silica Reaction (ASR)))(FHWA August 2006)
[Online: http://www.fhwa.dot.gov/pavement/pccp/pubs/02082/02082.pdf](http://www.fhwa.dot.gov/pavement/pccp/pubs/02082/02082.pdf)
- p-443 B Highway Concrete Pavement Technology Development and Testing: Volume II – Field Evaluation of Strategic Highway Research Program (SHRP) C-203 Test Sites (Freeze-Thaw Resistance) (FHWA August 2006)
[Online: http://www.fhwa.dot.gov/pavement/pccp/pubs/02083/02083.pdf](http://www.fhwa.dot.gov/pavement/pccp/pubs/02083/02083.pdf)
- p-443 C Highway Concrete Pavement Technology Development and Testing: Volume II – Field Evaluation of Strategic Highway Research (SHRP) C-205 Test Sites (High-Performance Concrete) (FHWA August 2006)
[Online: http://www.fhwa.dot.gov/pavement/pccp/pubs/02084/02084.pdf](http://www.fhwa.dot.gov/pavement/pccp/pubs/02084/02084.pdf)
- p-443 D Highway Concrete Pavement Technology Development and Testing: Volume IV – Field Evaluation of Strategic Highway Research Program (SHRP) C-206 Test Sites (Early Opening of Full-Depth Pavement Repairs) (FHWA August 2006)
[Online: http://www.fhwa.dot.gov/Pavement/pccp/pubs/02085/02085.pdf](http://www.fhwa.dot.gov/Pavement/pccp/pubs/02085/02085.pdf)
- p-443 E Highway Concrete Pavement Technology Development and Testing: Volume V – Field Evaluation of Strategic Highway Research Program (SHRP) C-206 Test Sites (Bridge Deck Overlays) (FHWA August 2006)
[Online: http://www.fhwa.dot.gov/pavement/pccp/pubs/02086/02086.pdf](http://www.fhwa.dot.gov/pavement/pccp/pubs/02086/02086.pdf)
- p-444 A Identifying Incompatible Combinations of Concrete Materials. Volume I – Final Report (FHWA August 2006)
[Online: http://www.fhwa.dot.gov/pavement/concrete/pubs/06079/06079.pdf](http://www.fhwa.dot.gov/pavement/concrete/pubs/06079/06079.pdf)
- p-444 B Identifying Incompatible Combinations of Concrete Materials. Volume II – Test Protocol (FHWA August 2006)
[Online: http://www.fhwa.dot.gov/pavement/concrete/pubs/06080/06080.pdf](http://www.fhwa.dot.gov/pavement/concrete/pubs/06080/06080.pdf)

- p-445 Corrosion Resistant Alloys for Reinforced Concrete (FHWA July 2007)
Online: <http://www.fhwa.dot.gov/bridge/pubs/07039/07039.pdf>
- p-446 Multiple Corrosion Protection Systems for Reinforced Concrete Bridge Components (FHWA July 2007)
Online: <http://www.fhwa.dot.gov/bridge/pubs/07043/07043.pdf>
- p-447 Drilled Shaft Foundation Defects: Identification, Imaging, and Characterization (FHWA October 2005)
Online:
http://www.cflhd.gov/programs/techDevelopment/geotech/drill/documents/02_Title_Forward_TOC.pdf
- p-448 Minimizing Cracking in Cement-Treated Materials for Improved Performance (KP George, Hitek Engineering Consultants, Inc. 2002)
- p-450 Evaluation of the Troxler Model 4430 Water Cement Gauge (HITEC August 1996)
- p-451 Evaluating the Performance of Soil-Cement and Cement-Modified Soil for Pavements: A Laboratory Investigation (Tom Scullion, Stephen Sebesta, John P. Harris, and Imran Syed 2005)
- p-452 Soil-Cement Construction Handbook: Engineering Bulletin (Portland Cement Association 1995)

Gravel

- p-462 Bioremediation in the Highway Environment: Three Case Studies
- p-463 Off-Hwy. Vehicle-Final Environmental Impact Statement and Proposed Plan Amendment for MTR, ND, and Portions of SD (USFS January 2001)
- p-464 NACE Blading Aggregate Surfaces (NACE 1997)
- p-465 Problems Associated With Gravel Roads (FHWA May 1998)
- p-466 Gravel PASER Manual (Transportation Information Center-University of Wisconsin May 1998)
Online: http://www.t2.unh.edu/nltapa/Pubs/Asphalt_raods_Paser_Manual.pdf
- p-467 Earth and Aggregate Surfacing Design Guide for Low Volume Roads (USFS September 1996)
- p-468 Economics of Upgrading an Aggregate Road (Minnesota DOT & LRRB January 2005)
Online: <http://www.mrr.dot.state.mn.us/research/pdf/200509.pdf>
- p-469 Soil and Water Road-Condition Index – Field Guide (USFS December 2008)
- p-469A Soil and Water Road-Condition Index – Desk Reference (USFS Dec 2008)
- p-470 Forest Service Roadless Area Conservation Final Environmental Impact Statement-Vol.I (USFS November 2000)
- p-471 Forest Service Roadless Area Conservation Final Environmental Impact Statement-Vol.II (USFS November 2000)
- p-472 Forest Service Roadless Area Conservation Final Environmental Impact Statement-Vol.III (USFS November 2000)
- p-475 Environmentally Sensitive Maintenance for Dirt and Gravel Roads (Penn State October 2007)
Online:
http://www.epa.gov/owow/nps/sensitive/EnvironmentallySensitiveMaintenance_DirtGravelRoads.pdf
- p-480 Gravel Roads, Maintenance and Design Manual (FHWA/South Dakota LTAP April 2005)

Weed Control

- p-503 Cast Iron Tree Grates (D) (NEENAH Foundry Company 1989)
Online: http://www.aecinfo.com/1/resourcefile/00/29/76/default2976_1.html
- p-505 The Nature of Roadsides and the Tools to Work With It (FHWA 2003)
Online: <http://www.invasivespeciesinfo.gov/docs/plants/roadsides/index.htm>
- p-515 Vehicle Cleaning Technology for the Controlling of Noxious Weeds and Invasive Species (USDA October 2005)
Online: http://gacc.nifc.gov/rmcc/administrative/docs/weed_wash_unit.pdf
- p-520 Roadside Weed Management (FHWA 2007)
- p-521 Vegetation Control for Safety (FHWA August 2008)
Online: http://safety.fhwa.dot.gov/local_rural/training/fhwasa07018/fhwasa07018.pdf
- p-522 Roadside Revegetation: An Integrated Approach to Establishing Native Plants (FHWA November 2007)
- p-523 Current and Innovative Solutions to Roadside Revegetation Using Native Plants – A Domestic Scan Report (FHWA January 2011)

Fabrics and Geotextiles

- p-550 Geotechnical Fabrics Report 1997 Specifier's Guide (TC Mirafi 1997)
[Online:](#)
<http://images.library.wisc.edu/EcoNatRes/EFacs/CrandonMineRep/TailAd97n3/reference/econatres.tailad97n3.i0029.pdf>
- p-551 Geotextile Selection and Installation Manual for Rural Unpaved Roads (FHWA April 1989)
- p-552 Geotextile Design & Construction Guidelines Part I and II (NHI April 1992)
- p-553 Evaluation of the Tensar Ares Retaining Wall (HITEC November 1997)
- p-554 Fabric for Reinforcement and Separation in Unpaved Roads (Minn DOT December 1998)
[Online:](#) <http://www.lrrb.org/pdf/199904.pdf>
- p-555 Evaluation of the SSL MSE PLUS Retaining Wall System (HITEC August 1999)
- p-556 An Introduction to the Deep Soil Mixing Methods as Used in Geotechnical Applications (FHWA March 2000)
[Online:](#) <http://isddc.dot.gov/OLPFiles/FHWA/009360.pdf>
- p-560 Shored Mechanically Stabilized Earth (SMSE) Wall Systems Design Guidelines (FHWA February 2006)
[Online:](#) <http://tmap.colostate.edu/Library/FHWA/FHWA-TD-06-001.pdf>
- p-561 Durability of Segmental Retaining Wall Blocks: Final Report (FHWA April 2007)
[Online:](#) <http://www.tfrc.gov/structur/pubs/07021/07021.pdf>
- p-565 Promoting Geosynthetics Use on Federal Lands Highway Projects (FHWA December 2006)
[Online:](#)
http://www.cflhd.gov/programs/techDevelopment/geotech/promogeoflhp/documents/02_title_forward_toc.pdf
- p-569 Polyurethane Resin (PUR) Injection for Rock Mass Stabilization (FHWA September 2008)
[Online:](#)
http://www.cflhd.gov/programs/techDevelopment/geotech/PUR/documents/02_title_forward_OC.pdf

Drainage, Culverts, Erosion, Watersheds

- p-600 Evaluation and Management of Highway Runoff Water Quality (FHWA June 1996)
- p-602 Roadway and Roadside Drainage (Orr, New York LTAP Center, Feb 2003 Revised)
- p-601 County Storm Drainage Manual (Purdue University-Experiment Station and the County Commissioners of Indiana May 1981)
- p-603 Front Runner, An Evaluation of a Front-Mounted Rock Rate (USFS July 1998)
[Online:](#) <http://www.fs.fed.us/t-d/pubs/html/98771202/98771202.html>
- p-605 Spill Compliance Manual (J.J. Keller & Associates, Inc. 2004)
- p-606 Environmental Compliance Manual (J.J. Keller & Associates, Inc. 2004)
- p-607 Erosion Control Treatment Selection Guide (USFS December 2006)
[Online:](#) http://www.fs.fed.us/eng/pubs/pdf/hi_res/06771203hi.pdf
- p-608 Environmental and Dust Control Workshop (Nevada Technology Transportation August 1996)
- p-609 Environmentally Sensitive Maintenance for Dirt and Gravel Roads (Gesford and Anderson March 2006)
[Online:](#)
http://ntl.bts.gov/lib/26000/26800/26882/EnvironmentallySensitiveMaintenance_DirtGravelRoads.pdf
- p-610 Erosion control Handbook for Local Roads (Minnesota/FHWA 2003)
[Online:](#) <http://www.mnltap.umn.edu/pdf/erosioncontrolhandbook.pdf>
- p-611 Montana Association of County Road Supervisors - Culvert Notes
- p-612 Erosion, Sediment, and Runoff Control for Roads and Highways (D) (US EPA 1995)
[Online:](#) <http://www.epa.gov/nps/education/runoff.html>
- p-613 Water/Road Interaction Guide (FHWA September 2003)
- p-614 Best Management Practices for Erosion and Sediment Control (FHWA June 1995)
[Online:](#) <http://isddc.dot.gov/OLPFiles/FHWA/009340.pdf>
- p-615 Fish Passage Through Culverts in Montana: A Preliminary Investigation (February 1996)
[Online:](#) http://www.mdt.mt.gov/research/docs/research_proj/final_report_fishculverts.pdf
- p-617 Roadside Use of Native Plants (FHWA August 2000)

- [Online:](http://www.fhwa.dot.gov/environment/rdsduse/) <http://www.fhwa.dot.gov/environment/rdsduse/>
 p-618 Montana Sediment and Erosion Control Manual (May 1993)
 p-619 Soil Erosion and Water Pollution Prevention : NACE Action Guide Volume III-8 (NACE 1992)
 p-620 Pollution Control Programs for Roads, Highways and Bridges (D) (US EPA, US DOT, and FHWA 1995)
[Online:](http://www.epa.gov/owow/nps/education/control.html) <http://www.epa.gov/owow/nps/education/control.html>
 p-621 Riparian Buffer Strategies for Urban Watersheds (MSU- Department of Environmental Programs December 1995)
 p-622 Clearing and Grading Strategies for Urban Watersheds (MSU- Department of Environmental Programs December 1995)
 p-623 More than Asphalt, Concrete, and Steel (US DOT & FHWA 1997)
 p-624 Operation, Maintenance and Management of Stormwater Management (Watershed Management Institute August 1997)
[Online:](http://stormwaterfinance.urbancenter.iupui.edu/PDFs/OMMSWM.pdf) <http://stormwaterfinance.urbancenter.iupui.edu/PDFs/OMMSWM.pdf>
 p-624-B A Guide to Wetland Functional Design (FHWA 1990)
 p-625 Wetlands Education Materials for Montana (Montana Watercourse March 1998)
[Online:](http://www.archive.org/details/catalogofwetland00waterich) <http://www.archive.org/details/catalogofwetland00waterich>
 p-626 Who Does What With Montana's Wetlands (Montana Watercourse July 1998)
 p-627 A Landowners' Guide to Montana Wetlands (Montana Watercourse July 1998)
[Online:](http://www.archive.org/details/1574D595-1A80-4232-BC15-5A7B5BFB590C) <http://www.archive.org/details/1574D595-1A80-4232-BC15-5A7B5BFB590C>
 p-628 Scenic Byways: A Design Guide for Roadside Improvements (USFS July 2003)
[Online:](http://www.contextsensitivesolutions.org/content/reading/byways_design/resources/byways_design/) http://www.contextsensitivesolutions.org/content/reading/byways_design/resources/byways_design/
 p-629 Community-Based Watershed Management: Lessons from the National Estuary Program (EPA February 2005)
[Online:](http://www.epa.gov/neplessons/documents/srNEPPrimer.pdf) <http://www.epa.gov/neplessons/documents/srNEPPrimer.pdf>
 p-630 Drainage: NACE Action Guide Volume III-5 (NACE 2000)
 p-631 Low-Volume Roads Engineering – BMP Field Guide by Gordon Keller & James Sherar (USFS July 2003)
[Online:](http://ntl.bts.gov/lib/24000/24600/24650/Index_BMP_Field_Guide.htm) http://ntl.bts.gov/lib/24000/24600/24650/Index_BMP_Field_Guide.htm
 p-632 Effects of Geosynthetic Reinforcement Spacing on the Performance of Mechanically Stabilized Earth Walls (FHWA September 2003)
[Online:](http://www.fhwa.dot.gov/engineering/geotech/pubs/03048/toc.cfm) <http://www.fhwa.dot.gov/engineering/geotech/pubs/03048/toc.cfm>
 p-633 A Soil Bioengineering Guide for Streambank and Lakeshore Stabilization (USFS October 2003)
[Online:](http://www.fs.fed.us/publications/soil-bio-guide/guide/cover-front-matter.pdf) <http://www.fs.fed.us/publications/soil-bio-guide/guide/cover-front-matter.pdf>
 p-635 Soil & Base Stabilization and Associated Drainage Considerations Vol I & II (FHWA July 1992)
[Online:](http://isddc.dot.gov/OLPFiles/FHWA/014732.pdf) <http://isddc.dot.gov/OLPFiles/FHWA/014732.pdf>
 p-636 Riparian Protection and Restoration: Road Design Techniques (USFS August 2000)
[Online:](http://www.fs.fed.us/eng/pubs/html/02251202/02251202.htm) <http://www.fs.fed.us/eng/pubs/html/02251202/02251202.htm>
 p-638 Evaluation of the Tricon™ Retained Soil Wall System (CERF May 2002)
 p-639 Evaluation of the Geo-Con Vert Wall System (CERF April 2002)
 p-640 Evaluation of the Inter-Lok™ Retaining Wall System (CERF May 2002)
 p-645 Effects of Water Flow Rate and Temperature on Leaching From Creosote-Treated Wood (USFS 2002)
[Online:](http://www.fpl.fs.fed.us/documnts/fplrn/fplrn286.pdf) <http://www.fpl.fs.fed.us/documnts/fplrn/fplrn286.pdf>
 p-650 Summary of Trenchless Technology for Use with USDA Forest Service Culverts (USFS September 2005)
[Online:](http://www.fs.fed.us/eng/pubs/pdf/05771201.pdf) <http://www.fs.fed.us/eng/pubs/pdf/05771201.pdf>
 p-651 Culvert Scour Assessment (USFS October 2009)
 p-655 Impact of Alternative Storm Water Management Approaches on Highway Infrastructure: Guide for Selection of Best Management Practices – Volume 1 (Minn DOT & LRRB 2005)
 p-656 BPM for Chemical Treatment Systems for Construction Stormwater & Dewatering (FHWA OCT 2008)
 p-660 Video Inspection of Highway Edgedrain Systems (FHWA April 1998)
[Online:](http://isddc.dot.gov/OLPFiles/FHWA/013570.pdf) <http://isddc.dot.gov/OLPFiles/FHWA/013570.pdf>

Dust Control

- p-705 Road Stabilizer Product performance: Buenos Aires National Wildlife Refuge (FHWA 10/2005)
- p-706 Road Stabilizer Product Performance—Seedskaadee National Wildlife Refuge (FHWA 2008)
- p-710 Dust Palliative Selection and Application Guide (USFS November 1999)
[Online:](http://www.airquality.nrcs.usda.gov/Documents/USFS_DustGuide.pdf) http://www.airquality.nrcs.usda.gov/Documents/USFS_DustGuide.pdf
- p-712 Effectiveness and Environmental Impact of Road Dust Suppressants (Mountain-Plains Consortium March 1995)
[Online:](http://www.mountain-plains.org/pubs/pdf/MPC94-28.pdf) <http://www.mountain-plains.org/pubs/pdf/MPC94-28.pdf>
- p-715 Dust Control on Low Volume Roads – A Review of Techniques and Chemicals Used (FHWA May 2001)
[Online:](http://dot.alaska.gov/stwddes/research/assets/pdf/fhwa_lt_01_002.pdf) http://dot.alaska.gov/stwddes/research/assets/pdf/fhwa_lt_01_002.pdf
- p-720 Surface-Aggregate Stabilization with Chloride Materials (USFS December 2006)
[Online:](http://www.fs.fed.us/t-d/pubs/pdf/06771805.pdf) <http://www.fs.fed.us/t-d/pubs/pdf/06771805.pdf>

Snow and Ice Removal

- p-750 Local Government Snowplow Salt and Sander Controller Calibration Guide (*MN LRRB 2009 RICO8*)
- p-752 Deicing Salt and Our Environment (Salt Institute)
- p-753 Safety Restoration During Snow Removal Guidelines (FHWA February 1991)
- p-754 Ice Detection and Highway Weather Information Systems Summary Report (Technology Applications June 1993)
- p-755 The Snowfighter's Handbook (Salt Institute 1997)
- p-756 Salt Storage (Salt Institute 1997)
[Online:](http://www.t2.unh.edu/pubs/Salt_Storage_Handbook.pdf) http://www.t2.unh.edu/pubs/Salt_Storage_Handbook.pdf
- p-758 Snow Fences Information Binder
Article 1: Benefits and Costs of Snow Fences on Wyoming Interstate 80 (Ronald D. Tabler, Richard P. Furnish and USFS) (8 pages)
Article 2: Estimating the Transport and Evaporation of Blowing Snow (Ronald D. Tabler and USFS 1975) (20 pages)
Article 3: Geometry and Density of Drifts Formed by Snow Fences (Ronald D. Tabler and USFS 1980) (15 pages)
Article 4: Predicting Profiles Of Snowdrifts in Topographic Catchments (Ronald D. Tabler and USFS 1975) (11 pages)
Article 5: Slide Rule for Snow Fence Design (Ronald D. Tabler and USFS 1987) (4 pages)
Article 6: Snow Control Course Notes (Ronald D. Tabler and USFS) (4 pages)
Article 7: Studying Snowdrifting Problems with Small-Scale Models Outdoors (Ronald D. Tabler, Robert L. Jairell, and USFS 1980) (13 pages)
Article 8: Using Visual Range Data for Highway Operations in Blowing Snow (Ronald D. Tabler and USFS 1984) (7 pages)
- p-759 Snow and Ice Control, A Best Practices Review (State of Minn. Office of Legislative Auditor May 1995)
[Online:](http://www.auditor.leg.state.mn.us/ped/pedrep/9506-all.pdf) <http://www.auditor.leg.state.mn.us/ped/pedrep/9506-all.pdf>
- p-760 Survey of: Alternative Road Deicers (FHWA February 1992)
- p-761 Manual of Practice for an Effective Anti-icing Program (FHWA June 1996)
[Online:](http://www.fhwa.dot.gov/reports/mopeap/mop0296a.htm) <http://www.fhwa.dot.gov/reports/mopeap/mop0296a.htm>
- p-762 Low Cost Winter Maintenance (Swedish Experiences 1992)
- p-763 Relation Between Winter Road Maintenance and Road Safety
- p-765 Evaluation of An Ice Ban®Product as a Prewetting Agent for Snow Removal and Ice Control Operations (Virginia Transportation Research Council January 2000)
[Online:](http://www.virginiadot.org/vtrc/main/online_reports/pdf/00-r12%20.pdf) http://www.virginiadot.org/vtrc/main/online_reports/pdf/00-r12%20.pdf
- p-766 Snow Removal and Ice Control Technology, TRB Conference Proceedings 16
- p-767 Minnesota Snow and Ice Control: Field Snowplace Operations (Minn LTAP 2005)
[Online:](http://www.mnltap.umn.edu/pdf/snowicecontrolhandbook.pdf) <http://www.mnltap.umn.edu/pdf/snowicecontrolhandbook.pdf>
- p-772 Snow-Removal Attachments for Motor Graders for Local Agency Personnel Subtask B- Video Development Report (Wilber Smith Associates September 1995)

- p-775 Collaborative Research on Road Weather Observations and Predictions by Universities, State Departments of Transportation, and National Weather Service Forecast Offices (FHWA October 2004)
[Online: http://www.tfhr.gov/its/pubs/04109/04109.pdf](http://www.tfhr.gov/its/pubs/04109/04109.pdf)
- p-776 Identifying and Assessing Key Weather-Related Parameters and Their Impacts on Traffic Operations Using Simulation (FHWA September 2004)
[Online: http://www.tfhr.gov/its/pubs/04131/04131.pdf](http://www.tfhr.gov/its/pubs/04131/04131.pdf)

Roundabouts

- p-780 Roundabouts: An Informational Guide (FHWA June 2000)
[Online: http://www.tfhr.gov/safety/00-067.pdf](http://www.tfhr.gov/safety/00-067.pdf)
- p-781 Roundabouts: A Safer Choice (FHWA 2008- Brochure)
[Online: http://safety.fhwa.dot.gov/intersection/roundabouts/fhwas08006/longdesc.cfm](http://safety.fhwa.dot.gov/intersection/roundabouts/fhwas08006/longdesc.cfm)

Speed Bumps

- p-789 Even a Lowly Hump takes Good Engineering (D) (Engineering Times: Frederike Velazquez)
- p-790 Guidelines for the Design and Application of Speed Humps (ITE Traffic Engineering 1997)
- p-790A Guidelines for the Design and Application of Speed Humps – Paper (D) (International Public Works Congress and Exposition 1992)
- p-794 Crash Impact of Smooth Lane Narrowing with Rumble Strips at Two-Lane Rural Stop-Controlled Intersections (FHWA June 2010)
- p-795 Center Rumble Strips–Insurance Institute for Highway Safety–9 Page Report (D) (Insurance Institute for Highway Safety 2004)
- p-782 Mini-Roundabouts (FHWA 2010)
- p-783 An Evaluation of Signing for Three-Lane Roundabouts (FHWA March 2010)

SAFETY

General

- p-803 Commercial Vehicle Preventable Accident Manual (Triodyne Inc.1997)
- p-804 An Examination of Fault, Unsafe Driving Acts, and Total Harm in Car-Truck Collisions (FHWA 2004)
- p-805 Job Site Training for Your Employees (D) (Cornell Local Roads Program 1994)
- p-806 Results from a Safety Survey: Workforce Development for Transportation Professionals (FHWA 2002)
- p-807 A Review of Pedestrian Safety Research in the United States and Abroad (FHWA January 2004)
[Online: http://www.t2.unh.edu/nltapa/Pubs/review_ped_safety_us_and_abroad.pdf](http://www.t2.unh.edu/nltapa/Pubs/review_ped_safety_us_and_abroad.pdf)
- p-808 Toolbox of Countermeasures and Their Potential Effectiveness for Pedestrian Crashes (FHWA September 2007)
[Online: http://www.ite.org/safety/issuebriefs/Intersection%20Issue%20Brief.pdf](http://www.ite.org/safety/issuebriefs/Intersection%20Issue%20Brief.pdf)
- p-809 Implementing the High Risk Rural Roads Program (FHWA March 2010)
- p-810 The Professional Driver’s Preventable Accident Manual (Triodyne Inc. 1994)
- p-811 A Evaluation of Safety, Design and Operation of Shared-User Paths – Final Report and Calculator; A User’s Guide (FHWA July 2006)
[Online: http://www.fhwa.dot.gov/publications/research/safety/04100/04100.pdf](http://www.fhwa.dot.gov/publications/research/safety/04100/04100.pdf)
- p-811 B Shared-Use Path Level of Service Calculator; A User’s Guide (FHWA July 2006)
[Online: http://www.fhwa.dot.gov/publications/research/safety/pedbike/05138/05138.pdf](http://www.fhwa.dot.gov/publications/research/safety/pedbike/05138/05138.pdf)
- p-813 Synthesis of Safety Research Pedestrians (FHWA August 1991)
- p-814 Effects on Safety of Pavement - Truck Tire Interaction (FHWA January 1992)
- p-815 Access Management Manual (TRB 2003)
- p-816 Safety Effectiveness of Highway Design Features (Vol. I-VI) (FHWA November 1992)
 Volume I - Access Control
 Volume II - Alignment
 Volume III - Cross Sections
 Volume IV - Interchanges
 Volume V - Intersections
 Volume VI - Pedestrians and Bicyclists
- p-817 AVOID Getting Plowed on Montana's Highways (D) (MT DOT)
- p-818 A Clear Roadside Policy for Above-Ground Utilities (D) (University of Alabama- Civil

- Engineering Department Professor Turner 1993)
- p-820 Manual and Specifications on School Crossing Zones Supplement to Part VII of Manual on Uniform Traffic Devices (Utah DOT 1992)
- p-821 Guide to Safety Features for Local Roads and Streets (FHWA October 1992)
- p-822 Traffic Safety Digest (National Highway Traffic and Safety Administration Winter 1996)
- p-823 Administrator's Highway Safety Program of Excellence, Award-Winning Projects (July 1995)
- p-826 NIOSH Pocket Guide to Chemical Hazards (CDC 2004)
- p-827 Workshop on Road & Street Safety Management (\$7 each) (LTAP MSU 1997)
- p-828 Summary of Experiences Related to Demonstration Project 86-Relieving Traffic Congestion through Incident Management – paper (US DOT and Washington State Transportation Center February 1997)
- p-829 Hazardous Materials Incident Prevention Manual (Triodyne Inc.1996)
-
- p-830 Study of Accidents at Signalized Intersections- Phase I, Final Report (MSU- Department of Civil Engineering February 1997)
[Online:](http://ntl.bts.gov/lib/20000/20200/20259/PB98119209.pdf) <http://ntl.bts.gov/lib/20000/20200/20259/PB98119209.pdf>
- p-831 Safety Effectiveness of Intersection left- and Right-Turn Lanes (TECHBRIEF November 2001)
[Online:](http://www.tfhr.gov/safety/pubs/02089/02089techbrief.pdf) <http://www.tfhr.gov/safety/pubs/02089/02089techbrief.pdf>
- p-832 IHSDM Intersection Diagnostic Review Model Knowledge Base Report (FHWA October 2002)
[Online:](http://www.tfhr.gov/safety/ihsdm/pubs/02045/#toc) <http://www.tfhr.gov/safety/ihsdm/pubs/02045/#toc>
- p-833 A Review of the Signalized Intersections: Informational Guide (FHWA April 2004)
[Online:](http://www.fhwa.dot.gov/publications/research/safety/04092/index.cfm) <http://www.fhwa.dot.gov/publications/research/safety/04092/index.cfm>
- p-834 Signalized Intersections: Informational Guide (FHWA 2004)
[Online:](http://www.fhwa.dot.gov/publications/research/safety/04091/04091.pdf) <http://www.fhwa.dot.gov/publications/research/safety/04091/04091.pdf>
- p-835 NACE Action Guide Vol.III-4 Roadway Safety (NACE 2000)
- p-836 Regional Traffic Incident Management Programs (ITS May 2001)
- p-837 Validation of Accident Models for Intersections (FHWA 2005)
[Online:](http://www.fhwa.dot.gov/publications/research/safety/03037/03037.pdf) <http://www.fhwa.dot.gov/publications/research/safety/03037/03037.pdf>
- p-838 Informational Report on Lighting Design for Midblock Crosswalks (FHWA April 2008)
[Online:](http://www.tfhr.gov/safety/pubs/08053/08053.pdf) <http://www.tfhr.gov/safety/pubs/08053/08053.pdf>
- p-839 Ready for the Road by Joe Kolman (Jan/Feb 2008) Montana Magazine (Pages 64-68)
- p-840 Roadway Safety Guide
[Online:](http://www.roadwaysafety.org/wp-content/uploads/guide3.pdf) <http://www.roadwaysafety.org/wp-content/uploads/guide3.pdf>
- p-841 NCHRP Synthesis 321-Roadway Safety Tools for Local Agencies (TRB 2003)
[Online:](http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_syn_321.pdf) http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_syn_321.pdf
- p-842 Roadside Design Guide 2002 (AASHTO 2002)
- p-845 Road Transport and Intermodal Research Safety Strategies for Rural Roads (OECD 1999)
- p-846 Bureau of Transportation Statistics Pocket Guide to Transportation (US DOT and Bureau of Transportation Statistics January 2003)
[Online:](http://www.bts.gov/publications/pocket_guide_to_transportation/2003/pdf/entire.pdf) http://www.bts.gov/publications/pocket_guide_to_transportation/2003/pdf/entire.pdf
- p-847 Safety Engineering 2nd Edition (American Society of Safety Engineering 1994)
- p-848 Fatal and Injury Accident Rates on Public Roads in the United States (FHWA October 1992)
- p-849 Underground Transportation Systems in Europe: Safety, Operations, and Emergency Response (FHWA June 2006)
[Online:](http://international.fhwa.dot.gov/uts/uts.pdf) <http://international.fhwa.dot.gov/uts/uts.pdf>
- p-850 Traffic Incident Management Handbook (FHWA November 2000)
[Online:](http://www.iacptechnology.org/IncidentManagement/TrafficIncidentMgmtHandbook.pdf) <http://www.iacptechnology.org/IncidentManagement/TrafficIncidentMgmtHandbook.pdf>
- p-853 Traffic Monitoring: A Guidebook (FHWA July 2010)
[Online:](http://www.fhwa.dot.gov/ohim/tmguides/) <http://www.fhwa.dot.gov/ohim/tmguides/>
- p-854 Traffic Monitoring in Recreational Areas (FHWA August 2010)
[Online:](http://tti.tamu.edu/documents/FHWA-WFL-TD-10-003.pdf) <http://tti.tamu.edu/documents/FHWA-WFL-TD-10-003.pdf>
- p-856 European Road Lighting Technologies (International Technology Exchange Program September 2001)
[Online:](http://international.fhwa.dot.gov/pdfs/euroroadlighting.pdf) <http://international.fhwa.dot.gov/pdfs/euroroadlighting.pdf>
- p-857 European Right-of-Way and Utilities Best Practices (FHWA August 2002)
[Online:](http://international.fhwa.dot.gov/eurorightofway/rowdoc.pdf) <http://international.fhwa.dot.gov/eurorightofway/rowdoc.pdf>

- p-858 Wildlife Habitat Connectivity Across European Highways (FHWA August 2002)
[Online:](http://international.fhwa.dot.gov/Pdfs/wildlife_web.pdf) http://international.fhwa.dot.gov/Pdfs/wildlife_web.pdf
- p-859 Signalized Intersection Safety in Europe (FHWA December 2003)
- p-860 Identification of Driver Errors: Overview and Recommendations (FHWA August 2002)
- p-862 In-Vehicle Display Icons and Other Information Elements; Volume I: Guidelines (FHWA September 2004)
[Online:](http://www.fhwa.dot.gov/publications/research/safety/03065/03065.pdf) <http://www.fhwa.dot.gov/publications/research/safety/03065/03065.pdf>
- p-865 Accessible Rights of Way (US Architectural and Transportation Barriers Compliance Board November 1999)
- p-866 Accessible Public Rights-of Way, Planning and Designing for Alterations (PROWAAC July 2007)
- p-867 Field Guide for Accessible Public Rights-of-Way 2009 Edition Revised (Idaho T2 2009)
- p-870 Improving Traffic Safety Culture in the United States, The Journey Forward (AAA 2007)
- p-875 The W.I.S.E. Guide to Wilderness Survival (Wilderness Institute of Survival Education 1992)
- p-880 Fourth Quarterly Campaign Safe and Sober: Speeding: Driving Too Fast for Conditions (US DOT and FHWA 1995)
- p-881 Speeding: Driving Too Fast for Conditions (National Highway Traffic Safety Administration 1996)
[Online:](http://www.nhtsa.gov/people/injury/enforce/pub/speed96.pdf) <http://www.nhtsa.gov/people/injury/enforce/pub/speed96.pdf>
- p-882 Intersection Safety: A Manual for Local Road Owners (FHWA 2011)
- p-883 Roadway Departure Safety: A Manual for Local Road Owners (FHWA 2011)
- p-884 Road Safety Information Analysis: A Manual for Local Road Owners (FHWA 2011)

Traffic Control and Work Zones

General

- p-900 Using Traffic Calming to Create Walkable Communities (LTAP National Conference July 1999)
- p-901 Traffic Calming: State of the Practice (ITE August 1999)
[Online:](http://www.ite.org/traffic/tcstate.asp) <http://www.ite.org/traffic/tcstate.asp>
- p-902 Guidebook on Statewide Travel Forecasting, (FHWA July 1999)
[Online:](http://www.fhwa.dot.gov/planning/statewide/swtravel.pdf) <http://www.fhwa.dot.gov/planning/statewide/swtravel.pdf>
- p-905 Managing Travel Demand: Applying European perspectives to U.S. practice (FHWA September 2006)
[Online:](http://international.fhwa.dot.gov/traveldemand/pl06015.pdf) <http://international.fhwa.dot.gov/traveldemand/pl06015.pdf>
- p-906 A Toolbox Approach to Residential Traffic Management (D) (ITE Journal 1996)
- p-908 Work Zone Safety Inspection Training Course- Course Administrators Book (FHWA October 1997)
- p-909 Quality Standards for Work Zone Traffic Control Devices (ATSSA)
- p-910 A Study Concerning Drivers' Attitudes Toward Construction Zones (D) (John Deere 1990)
- p-911 Work Zone Traffic Control Safety Certification--Study Guide (International Municipal Signal Association 1995)
- p-912 Traffic Signals (FHWA September 2007)
[Online:](http://www.ite.org/safety/issuebriefs/Traffic%20Signals%20Issue%20Brief.pdf) <http://www.ite.org/safety/issuebriefs/Traffic%20Signals%20Issue%20Brief.pdf>
- p-913 Level I Traffic Signal Technician Certification Course--Participant Notebook
- p-914 A Guidebook for Residential Traffic Management (RTM) (Washington DOT December 1994)
- p-915 NACE Action Guide Volume III-2: Traffic Operations (NACE 1995)
- p-918 AASHTO Guidelines for Traffic Data Programs (AASHTO 1992)
- p-921 Flagger's Handbook (North Carolina State University Institute for Transportation Research and Education March 1995)
- p-922 Traffic Control Systems Handbook (FHWA February 1996)
[Online:](http://www.spcregion.org/downloads/ops/FHWA_TrafficControlSystemsHandbook_10-2005-FINAL.pdf) http://www.spcregion.org/downloads/ops/FHWA_TrafficControlSystemsHandbook_10-2005-FINAL.pdf
- p-923 MDT Flaggers Handbook (\$5 each) (MDT March 1998)
- p-924 MDT Guidelines for Work Zone Safety (\$3 each) (MDT October 1994)
- p-925 Automatic Counters (MDT Traffic Operations Section 1991)
- p-926 Creating Safety Work Zones (5 Brochures) (FHWA 2007)
- p-927 Work Zone Operations: Improving Mobility and Safety on Both Sides of the Barrel- Best Practices Guidebook (FHWA April 2000)

- p-928 Meeting the Customer's Needs for Mobility and Safety During Construction and Maintenance Operations (FHWA September 1998)
[Online: http://www.fhwa.dot.gov/reports/bestprac.pdf](http://www.fhwa.dot.gov/reports/bestprac.pdf)
- p-929 Judicial Enforcement of Variable Speeds (NCHRP March 2002)
- p-930 South Dakota Low Volume Roads Signing Manual (South Dakota LTAP 2002)
- p-931 Basic Traffic Control for Utility Operations: Guide to Temporary Traffic Control for Utility Operations (ATSSA June 2002)
- p-932A Traffic Analysis Toolbox Volume I: Traffic Analysis Tools Primer (FHWA June 2004)
[Online: http://ops.fhwa.dot.gov/trafficanalysistools/tat_vol1/Vol1_Primer.pdf](http://ops.fhwa.dot.gov/trafficanalysistools/tat_vol1/Vol1_Primer.pdf)
- p-932B Traffic Analysis Toolbox Volume II: Decision Support Methodology for Selecting Traffic Analysis tools (FHWA June 2004)
[Online: http://ops.fhwa.dot.gov/trafficanalysistools/tat_vol2/Vol2_Methodology.pdf](http://ops.fhwa.dot.gov/trafficanalysistools/tat_vol2/Vol2_Methodology.pdf)
- p-932C Traffic Analysis Toolbox Volume III: Guidelines for Applying Traffic Microsimulation Modeling Software (FHWA June 2004)
[Online: http://ops.fhwa.dot.gov/trafficanalysistools/tat_vol3/Vol3_Guidelines.pdf](http://ops.fhwa.dot.gov/trafficanalysistools/tat_vol3/Vol3_Guidelines.pdf)
- p-933 Work Zone Training Law Enforcement Course: Safe and Effective use of Law Enforcement Personnel in Work Zones (FHWA August 2006)
- p-935 Speed Zone Guidelines (Institute of Technology Engineers 1993)
- p-936 Speed Management Workshops – Restoring Credibility to Speed Setting: Engineering, Enforcement, & Educational Issues (FHWA January 2000)
[Online: http://www.nhtsa.gov/people/injury/enforce/workshop%20report.pdf](http://www.nhtsa.gov/people/injury/enforce/workshop%20report.pdf)
- p-937 Survey of Speed Zoning Practices (ITE 2001)
- p-938 Speed Management Resources (FHWA 2000)
- p-940 Full Road Closure for Work Zone Operations: A Cross-Cutting Study (FHWA August 2003)
[Online: http://ops.fhwa.dot.gov/wz/resources/publications/FullClosure/CrossCutting/its.htm](http://ops.fhwa.dot.gov/wz/resources/publications/FullClosure/CrossCutting/its.htm)
- p-941 Work Zone Travel Time System – Arizona State Route 68 (ITS October 2004)
- p-942 Real-Time Work Zone Traffic Control System – I-55 lake Springfield Bridge IL (ITS October 2004)
- p-943 Dynamic Lane Merge System – Work Zone Merges – MI (ITS October 2004)
- p-944 Full Road Closure for Work Zone Operations: A Case Study – Interstate 95 in Wilmington, Delaware (FHWA October 2004)
[Online: http://ops.fhwa.dot.gov/wz/docs/Delaware_v3/index.htm](http://ops.fhwa.dot.gov/wz/docs/Delaware_v3/index.htm)
- p-945 Full Road Closure for Work Zone Operations: A Case Study – I-84 Banfield Freeway in Portland, Oregon (FHWA December 2004)
[Online: http://ops.fhwa.dot.gov/wz/docs/Portland_v3/index.htm](http://ops.fhwa.dot.gov/wz/docs/Portland_v3/index.htm)
- p-946 Full Road Closure for Work Zone Operations: A Case Study—M-10 Lodge Freeway in Detroit, Michigan (FHWA December 2004)
[Online: http://ops.fhwa.dot.gov/wz/docs/Detroit_v5/index.htm](http://ops.fhwa.dot.gov/wz/docs/Detroit_v5/index.htm)
- p-947 Traffic signal Preemption for Emergency Vehicles, A Cross-cutting Study; Putting the “First” in “First Response” (FHWA January 2006)
[Online: http://ntl.bts.gov/lib/jpodocs/repts_te/14097_files/14097.pdf](http://ntl.bts.gov/lib/jpodocs/repts_te/14097_files/14097.pdf)
- p-948A Traffic Detector handbook: Third Edition Volume I (FHWA October 2006)
[Online: http://www.tfrc.gov/its/pubs/06108/06108.pdf](http://www.tfrc.gov/its/pubs/06108/06108.pdf)
- p-948B Traffic Detector Handbook: Third Edition Volume II (FHWA October 2006)
[Online: http://www.tfrc.gov/its/pubs/06139/06139.pdf](http://www.tfrc.gov/its/pubs/06139/06139.pdf)
- p-950 Implementing the Rule on Work Zone Safety and Mobility (FHWA 9/2005)
[Online: http://ops.fhwa.dot.gov/wz/rule_guide/index.htm](http://ops.fhwa.dot.gov/wz/rule_guide/index.htm)
- p-951 Work Zone Public Information and Outreach Strategies (FHWA 11/2005)
[Online: http://ops.fhwa.dot.gov/wz/info_and_outreach/public_outreach_guide.pdf](http://ops.fhwa.dot.gov/wz/info_and_outreach/public_outreach_guide.pdf)
- p-952 Developing and Implementing Transportation Management Plans for Work Zones (FHWA December 2005)
[Online: http://ops.fhwa.dot.gov/wz/resources/publications/trans_mgmt_plans/trans_mgmt_plans.pdf](http://ops.fhwa.dot.gov/wz/resources/publications/trans_mgmt_plans/trans_mgmt_plans.pdf)
- p-954 Objectives and Strategies for Improving Safety at Unsignalized and Signalized Intersections (FHWA September 2008)
[Online: http://safety.fhwa.dot.gov/intersection/resources/intsafestratbro/inter_guide_key.pdf](http://safety.fhwa.dot.gov/intersection/resources/intsafestratbro/inter_guide_key.pdf)
- p-955 Innovative Intersection Safety Improvement Strategies and Management Practices: A Domestic Scan (FHWA September 2006)

- p-957 [Online: http://safety.fhwa.dot.gov/intersection/resources/fhwasa06016/fhwasa06016.pdf](http://safety.fhwa.dot.gov/intersection/resources/fhwasa06016/fhwasa06016.pdf)
Two Low-Cost Safety Concepts for Two-Way STOP-Controlled, Rural Intersections on High-Speed Two-Lane, Two-Way Roadways (FHWA September 2008)
- p-960 [Online: http://www.fhwa.dot.gov/publications/research/safety/08063/08063.pdf](http://www.fhwa.dot.gov/publications/research/safety/08063/08063.pdf)
Active Traffic Management: The Next Step in Congestion Management (FHWA July 2007)
- p-961 [Online: http://international.fhwa.dot.gov/pubs/pl07012/atm_eu07.pdf](http://international.fhwa.dot.gov/pubs/pl07012/atm_eu07.pdf)
Commercial Motor Vehicle Size and Weight Enforcement in Europe (FHWA July 2007)
- p-965 [Online: http://international.fhwa.dot.gov/pubs/pl07002/vsw_eu07.pdf](http://international.fhwa.dot.gov/pubs/pl07002/vsw_eu07.pdf)
Toolbox of Countermeasures and Their Potential Effectiveness for Intersection Crashes (FHWA September 2007)
- p-966 [Online: http://www.ite.org/safety/issuebriefs/Intersection%20Issue%20Brief.pdf](http://www.ite.org/safety/issuebriefs/Intersection%20Issue%20Brief.pdf)
Alternate Strategies for Safety Improvement Investments (Part of NCHRP Project 17-18, Task 19, January 2010)
- p-970 [Online: http://www.ite.org/safety/issuebriefs/Roadway%20Departure%20Issue%20Brief.pdf](http://www.ite.org/safety/issuebriefs/Roadway%20Departure%20Issue%20Brief.pdf)
Toolbox of Countermeasures and Their Potential Effectiveness for Roadway Departure Crashes (FHWA September 2007)
- p-972 [Online: http://www.ghsa.org/html/publications/pdf/countermeasures5_2010.pdf](http://www.ghsa.org/html/publications/pdf/countermeasures5_2010.pdf)
Countermeasures that Work: A Highway Safety Countermeasure Guide for State Highway Safety Offices (NHTSA 2008)
- p-975 [Online: http://www.ghsa.org/html/publications/pdf/countermeasures5_2010.pdf](http://www.ghsa.org/html/publications/pdf/countermeasures5_2010.pdf)
Positive Guidance and Older Motorists- Guidelines for Maintenance Supervisors (Southwest Region University Transportation Center 1997)

Signs and Markings

- p-1000 Durable Pavement Marking Materials Workshops (FHWA November 1981)
- p-1001 Signs & Markings Level I--Study Guide (parts 1-3) (International Municipal Signal Association June 1993)
- p-1002 Guidelines on the Use of Changeable Message Signs (FHWA July 1991)
- p-1003 Road Delineation Practices Handbook (FHWA August 1994)
[Online: http://www.fhwa.dot.gov/tfhrc/safety/pubs/93001/93001.pdf](http://www.fhwa.dot.gov/tfhrc/safety/pubs/93001/93001.pdf)
- p-1005 Maintenance of Small Traffic Signs (FHWA April 1991)
[Online: http://www.fhwa.dot.gov/tfhrc/safety/pubs/90002/90002.pdf](http://www.fhwa.dot.gov/tfhrc/safety/pubs/90002/90002.pdf)
- p-1007 Service Life of Retroreflective Traffic Signs (FHWA October 1991)
- p-1008 Object Markers on Narrow Bridges on Low Volume Rural Roadways (Kansas DOT September 1998)
- p-1009 MUTCD (Manual on Uniform Traffic Control Devices) 1983
- p-1010 MUTCD (Manual on Uniform Traffic Control Devices) 1986
- p-1011A MUTCD (Manual on Uniform Traffic Control Devices) 1988
- p-1011B MUTCD (Manual on Uniform Traffic Control Devices) 1988, Revision 3, 1993
- p-1012 MUTCD (Manual on Uniform Traffic Control Devices) 2000-Millineum Edition
- p-1013 MUTCD (Manual on Uniform Traffic Control Devices) 2003 Edition
[Online: http://mutcd.fhwa.dot.gov/pdfs/2003r1/Ch1.pdf](http://mutcd.fhwa.dot.gov/pdfs/2003r1/Ch1.pdf)
- p-1014 MUTCD (Manual on Uniform Traffic Control Devices) 2009 Edition
- p-1016 Read Your Road (US DOT and FHWA 1995)
[Online: http://safety.fhwa.dot.gov/ped_bike/docs/ryr.pdf](http://safety.fhwa.dot.gov/ped_bike/docs/ryr.pdf)
- p-1017 Guidelines for Evaluating Fluorescent Strong Yellow Green Crossing Signs (FHWA June 1993)
- p-1018 Retroreflective Sheeting Materials on Highway Signs (Minn DOT February 1996)
- p-1019 Telespar Square Tube Sign Support Systems-includes 3.5" disk (UNISTRUT 1996)
- p-1020 Eval. Findings of All Stop Sign Products, Inc. Polycarbonate Stop Sign (D) (Highway Innovative Technology 1998)
- p-1021 Impacts on State and Local Agencies for Maintaining Traffic Signs Within Minimum Retroreflectivity Guidelines (FHWA April 1998)
- p-1022 Minimum Retroreflectivity Levels for Blue and Brown Traffic Signs (FHWA April 2008)
[Online: http://www.fhwa.dot.gov/publications/research/safety/08029/08029.pdf](http://www.fhwa.dot.gov/publications/research/safety/08029/08029.pdf)
- p-1023 Retroreflective Sheeting ID Guide (FHWA November 2001)
- p-1024 FHWA Retroreflective Sheeting Identification Guide (FHWA September 2005)
[Online: http://safety.fhwa.dot.gov/roadway_dept/night_visib/sign_visib/sheetguide_sept05/sheetguide_sept05.pdf](http://safety.fhwa.dot.gov/roadway_dept/night_visib/sign_visib/sheetguide_sept05/sheetguide_sept05.pdf)

- p-1025 Summary of Evaluation Findings for 30-meter Handheld and mobile Pavement Marking Retroreflectometers (HITEC March 2001)
- p-1026 Preliminary Guidelines for Implementation of Minimum Retroreflectivity Requirements for Traffic Signs (FHWA June 1995)
- p-1027 Older Driver Highway Design Handbook: Recommendations and Guidelines (FHWA December 1998)
[Online:](http://www.fhwa.dot.gov/tfhrc/safety/pubs/older/intro/index.htm) <http://www.fhwa.dot.gov/tfhrc/safety/pubs/older/intro/index.htm>
- p-1028 Safe Mobility for a Maturing Society: Challenges and Opportunities (US DOT November 2003)
[Online:](http://ostpxweb.dot.gov/policy/data/safemobility.pdf) <http://ostpxweb.dot.gov/policy/data/safemobility.pdf>
- p-1029A Impact Assessment of Revised Retroreflectivity Requirements for the State of Montana: Phase I-Final Report (MSU- Dept of CE February 1995)
- p-1029B Impact Assessment of Revised Retroreflectivity Requirements for the State of Montana: Phase II-Final Report (MSU- Dept of CE February 1997)
- p-1030 Maintenance of Signs and Sign Supports for Local Road and Streets – A Guide for Street and Highway Maintenance Personnel (FHWA and US DOT 2001)
[Online:](http://safety.fhwa.dot.gov/local_rural/training/fhwart0000/fhwart0000.pdf) http://safety.fhwa.dot.gov/local_rural/training/fhwart0000/fhwart0000.pdf
- p-1031 What is Driving the Signing Inventory Boom? (Bryan Everard—Traffic and Parking Control December 2002)
- p-1032 Safety Evaluation of Red Light Cameras (FHWA 2005)
[Online:](http://www.fhwa.dot.gov/publications/research/safety/05048/05048.pdf) <http://www.fhwa.dot.gov/publications/research/safety/05048/05048.pdf>
- p-1033 Maintaining Traffic Sign Retroreflectivity: Impacts on State and Local Agencies (FHWA April 2007)
- p-1034 Sign Retroreflectivity Guidebook (FHWA Sept 2009)
- p-1035 Sign Installation Guide (USFS July 2003)
[Online:](http://www.fs.fed.us/t-d/pubs/pdfpubs/pdf03712812/pdf03712812dpi72.pdf) <http://www.fs.fed.us/t-d/pubs/pdfpubs/pdf03712812/pdf03712812dpi72.pdf>
- p-1036 Evaluation of LS-DYNA Soil Material Model 147 (FHWA 2004)
[Online:](http://www.fhwa.dot.gov/publications/research/safety/04094/04094.pdf) <http://www.fhwa.dot.gov/publications/research/safety/04094/04094.pdf>
- p-1037 Manual for LS-DYNA Soil Material Model 147 (FHWA 2004)
[Online:](http://www.fhwa.dot.gov/publications/research/safety/04095/04095.pdf) <http://www.fhwa.dot.gov/publications/research/safety/04095/04095.pdf>
- p-1038 Evaluation of LS-DYNA Wood Material Model 143 (FHWA August 2005)
[Online:](http://www.fhwa.dot.gov/publications/research/safety/04096/04096.pdf) <http://www.fhwa.dot.gov/publications/research/safety/04096/04096.pdf>
- p-1039 Manual for LS-DYNA Wood Material Model 143 (FHWA August 2007)
[Online:](http://www.fhwa.dot.gov/publications/research/safety/04097/04097.pdf) <http://www.fhwa.dot.gov/publications/research/safety/04097/04097.pdf>
- p-1040 Portable Changeable Message Sign Handbook (FHWA 2005)
[Online:](http://www.tfhrc.gov/pavement/ltpa/reports/03066/) <http://www.tfhrc.gov/pavement/ltpa/reports/03066/>
- p-1045 Roadway Safety Hardware Asset Management Systems Case Studies (FHWA October 2005)
[Online:](http://www.fhwa.dot.gov/publications/research/safety/05073/05073.pdf) <http://www.fhwa.dot.gov/publications/research/safety/05073/05073.pdf>
- p-1050 Safer Sign Supports: Are Yours Breakaway Yet? (FHWA 2006)
[Online:](http://www.t2.unh.edu/video_pub/safersigns.pdf) http://www.t2.unh.edu/video_pub/safersigns.pdf
- p-1060 Evaluation of Sign and Marking Alternatives for Displaced Left-Turn Lane Intersections (FHWA 2009)

Pedestrians

- p-1200 The National Bicycling and Walking Study Final Report (FHWA 1994)
- p-1201 Pedestrian Facilities Users Guide: Providing Safety and Mobility
[Online:](http://drusilla.hsra.unc.edu/cms/downloads/PedFacility_UserGuide2002.pdf) http://drusilla.hsra.unc.edu/cms/downloads/PedFacility_UserGuide2002.pdf
- p-1202 Accessible Sidewalks and Street Crossings – an informational guide (FHWA 2003)
[Online:](http://www.bikewalk.org/pdfs/sopada_fhwa.pdf) http://www.bikewalk.org/pdfs/sopada_fhwa.pdf
- p-1203 Pedestrian and bicyclist Intersection Safety Indices (FHWA April 2007)
[Online:](http://www.fhwa.dot.gov/publications/research/safety/pedbike/06129/06129.pdf) <http://www.fhwa.dot.gov/publications/research/safety/pedbike/06129/06129.pdf>
- p-1204 Pedestrian and bicyclist Intersection Safety Indices – Final Report (FHWA November 2006)
[Online:](http://www.fhwa.dot.gov/publications/research/safety/pedbike/06125/06125.pdf) <http://www.fhwa.dot.gov/publications/research/safety/pedbike/06125/06125.pdf>
- p-1205 Designing Sidewalks & Trails for Access (FHWA September 2001)
[Online:](http://www.fhwa.dot.gov/environment/sidewalks/sidewalks.pdf) <http://www.fhwa.dot.gov/environment/sidewalks/sidewalks.pdf>
- p-1206 Guide for the Planning, Design, and Operation of Pedestrian Facilities (AASHTO July 2004)

- p-1207 Guide to Promoting Bicycling on Federal Lands (FHWA September 2008)
Online:
http://drusilla.hsrrc.unc.edu/cms/downloads/01_promoting_bicycling_entire_document.pdf
- p-1209 4 Safety's Sake Teacher's Guide: A Guide to Help Teach and Promote School Zone Safety (Utah DOT 1992)
- p-1210 Safe Routes to School Guidebook (MDT June 2007)
Online: http://www.mdt.mt.gov/pubinvolve/saferoutes/docs/safe_routes_guidebook.pdf
- p-1211 Evergreen Schools, Safe Routes to School Study (Robert Peccia & Associates May 2007)
- p-1212 Safety Effects of Marked versus Unmarked Crosswalks at Uncontrolled Locations (FHWA September 2005)
Online: <http://www.fhwa.dot.gov/publications/research/safety/04100/04100.pdf>
- p-1213 Getting to School Safety Community Action Kit
- p-1214 School Crossing Protection Manual (MT Office of Public Instruction Division of Traffic Education June 1994) (formerly p-824)
- p-1215 Moving Kids Safely-Strengthening Safe Communities (USDOT April 1997)

Guardrails and Barriers

- p-2000 An Evaluation of Laboratory Test Results for the U.S. Gypsum Sight and Sound Screen System
Online:
<http://www.book2down.com/An+Evaluation+of+Laboratory+Test+Results+for+the+U.S.+Gypsum+Sight+and+Sound+Screen+System-doc-1.html>
- p-2001 Use of Guardrail on Low-Volume Roads According to Safety and Cost Effectiveness (Kansas DOT May 1997)
Online: <http://ntl.bts.gov/data/num/778822.pdf>
- p-2002 Summary Report on Selected Guardrails (FHWA June 1992)
- p-2003 Summary Report on Selected Bridge Railings (FHWA June 1992)
- p-2004 Summary Report on Aesthetic Bridge Rail and Guardrails (FHWA June 1992)
- p-2005 W-Beam Guardrail Repair (FHWA 1990)
Online: http://www.atssa.com/galleries/default-file/W-Beam_Guardrail_Repair-Booklet-6-16-09.pdf
- p-2006 Crash Testing and Evaluation of Retrofit Bridge Railings and Transition (FHWA June 1997)
- p-2010 Barrier Guide For Low Volume and Low Speed Roads (FHWA November 2005)
Online: http://www.t2.unh.edu/nltapa/Pubs/barrier_guide.pdf
- p-2015 W-Beam Guardrail Repair - Revised (FHWA 2008)
Online: http://www.atssa.com/galleries/default-file/W-Beam_Guardrail_Repair-Booklet-6-16-09.pdf

Liability and Risk Management

- p-2033 Risk Management Guidelines for Roadway Tort Liability-LTAP MSU (Montana LTAP December 1995)
- p-2034 Tort Liability Workshop--Participant's Manual (US DOT and FHWA 1996)
- P-2035 Report to Congress - The Effect of Increased Speed Limits in the Post-NMSL Era (FHWA February 1998)
<http://www-nrd.nhtsa.dot.gov/Pubs/808-637.PDF>

Mailboxes and Utility Poles

- p-2048 Safe Mailbox Installation and Support (FHWA June 1994)
- p-2049 Recipients USPS (January 2011)
- p-2050 A Guide to Mailbox Safety in Montana (USPS & MDT 2004)
Online: http://www.mdt.mt.gov/publications/docs/brochures/safety/mailbox_safety.pdf
- p-2051 A Guide to Mailbox Safety in Montana (FHWA & MT DOT 1994)
- p-2052 Breakaway Timber Utility Pole Installations in Kentucky (FHWA January 1991)
- p-2053 The Breakaway Timber Utility Pole: A Survivable Alternative: The Massachusetts Experience (FHWA March 1993)

- p-2054 Guide for Accommodating Utilities Within Right-of-Way for Counties and Small Cities in Kansas (Kansas LTAP & Kansas University Transportation Center March 2007)
Online: <http://www.kutc.ku.edu/pdffiles/ROWguide2007.pdf>

Train Crossings

- p-2101 Railroad Highway Grade Crossing Handbook (FHWA September 1986)
Online: <http://www.fhwa.dot.gov/tfhrc/safety/pubs/86215/86215.pdf>

ADMINISTRATION

Management

- p-2202 Smart Moves: A Decision-Maker's Guide to the Int. Transportation Infrastructure (US DOT and Public Technology Inc.1996)
- p-2203 Small Highway Department Management (Kenneth C Griffin September 1990)
- p-2204 Safety Management Systems Reference Manual (Book 1) and Participation Workbook (Book 2) (NHI & FHWA January/ February 1995)
- p-2205 Basic Guide for GASB-34 – Phase III Local Governments (US DOT June 2003)
- p-2207 NACE Action Guide Volume I-1: Organization (NACE 1992)
- p-2208 NACE Action Guide Volume I-2: Personnel (NACE 1992)
- p-2209 NACE Action Guide Volume I-4: Financial Management (NACE 1992)
- p-2210 NACE Action Guide Volume I-5: Maintenance Management (NACE 1992)
- p-2211 NACE Action Guide Volume I-6: Administration of Bridge Inspection (NACE 1990)
- p-2212 NACE Action Guide Volume I-7: Tort Liability (NACE 1992)
- p-2214 Needs Assessment for Small City and Rural Com. Pub. Works Departments (D) (APWA 1998)
- p-2218 NACE Action Guide Volume III-1: Road Surface Management (NACE 1992)
- p-2219 NACE Action Guide Volume III-4: Safety Improvements (NACE 1990)
- p-2220 NACE Action Guide Volume III-5: Drainage (NACE 2000)
- p-2221 NACE Action Guide Volume III-7: Subsurface Soils Exploration (NACE 1992)
- p-2222 NACE Action Guide Volume III-8: Soil Erosion and Water Pollution Prevention (NACE 1992)
- p-2223 Federal-Aid Guidelines for Local Public Officials (Idaho DOT June 1993)
- p-2228 Right-of-Way Project Development Guide (FHWA September 1992)
Online: <http://www.fhwa.dot.gov/realestate/pdg.htm>
- p-2229 NACE Handbook on Training for Road Departments (NACE 1998)
- p-2230 NACE Trainer's Guide (NACE 1986)
- p-2231 How to Run Seminars and Workshops (Robert L. Jolles 1993)
- p-2232 Managing for Excellence: The Guide to Developing High Performance in Contemporary Organizations(David Bradford & Allan Cohen 1984)
- p-2233 How to Talk and Communicate at the Same Time (NACE 1986)
- p-2234 NACE Improving Traffic Maintenance (NACE 1986)
- p-2242 Building on the Past, Traveling to the Future - ISTEA Transportation Enhancement (FHWA and National Trust for Historic Preservation 1994)
Online: <http://www.enhancements.org/misc/nthp.pdf>
- p-2243 A Guide to Metropolitan Transportation Planning Under ISTEA: How the Pieces Fit Together (FHWA 1995)
Online: <http://ntl.bts.gov/DOCS/424MTP.html>
- p-2246 Ohio Transportation Technology Transfer: Shaping its Future (Ohio State University December 1996)
- p-2247 Advanced Tools for Technology Transfer in Transportation (Minn DOT 1998)
- p-2248 A Guide for Local Agency Pavement Managers (Washington DOT 1994)
Online: <http://www.wsdot.gov/NR/rdonlyres/45F132CE-69AA-47B5-8BDE-3DD54D318E0E/0/GuideLAPavementManagers.pdf>
- p-2249 Local Agency Pavement Management Application Guide (Washington DOT January 1997)
Online: <http://nwpma-online.org/resources/Pmag.pdf>
- p-2253 NACE Action Guide Volume I-3: Purchasing Authority (NACE 1995)
- p-2254 NACE Action Guide Volume I-8: Public Awareness and Support (NACE 1995)
- p-2257 NACE Action Guide Volume II-5: Solid Waste Management (NACE 1995)
- p-2261 Directory of Information Resources for Improving Transportation Technology (FHWA 1997)
- p-2265 Guide to Seeking Transportation Enhancement Program Funds (FHWA & National Park

- Services 2001)
Online: http://www.fws.gov/refuges/roads/pdfs/Draft_FWS_TE_guidance.pdf
 p-2266 International Guide To Highway Transportation Information (FHWA March 2001)
 p-2267 Transportation Quarterly: An Independent Journal for Better (ENO Transportation Foundation, Inc. Winter 1995)
 p-2270 NACE Tips for Conserving the Environment and Energy (NACE 1994)
 p-2275 Traveler Information Systems in Europe (FHWA August 2003)
Online: <http://international.fhwa.dot.gov/travelinfo/>

Career/Personal Development

- p-2302 The 7 Habits of Highly Effective People (Stephanie R. Covey 1990)
 p-2303 First Things First
 p-2304 Managing Stress in the Workplace (Oklahoma State University December 1994)
 p-2305 NACE How to Talk and Communicate at the Same Time (NACE 1986)
 p-2306 Effective Communication Skills (for Highway and Public Works Officials) (D) (Cornell Local Roads Program 1993)
 p-2307 The Tiny Warrior: A Path to Personal Discovery and Achievement (D.J. Eagle Bear Vanas 2003)
 p-2308 Improving Your Public Relations (D) (Cornell Local Roads Program 1993)
 p-2309 Effective Communication Skills (Nevada T2 Center and University of Nevada- Reno 1999)
 p-2310 Enhancements to Effective Motivations of Highway Maintenance (TRB June 2003)
 p-2320 European Practices in Transportation Workforce Development (FHWA June 2003)
Online: <http://international.fhwa.dot.gov/pubs/pl03007/pl03007.pdf>

Planning

- p-2345 ITS/Operations Resource Guide 2002 (FHWA 2002)
 p-2346 ITS/Operations Resource Guide (FHWA 2002)
 p-2347 ITS/Operations Resource Guide 2006 (FHWA 2006)
Online: http://ntl.bts.gov/lib/jpodocs/rept_mis/14245_files/toc.htm
 p-2348 ITS/Operations Resource Guide 2008 (FHWA 2008)
Online: <http://www.resourceguide.its.dot.gov/default.asp>
 p-2349 Subsurface Utility Engineering (FHWA May 1993)
 p-2349 Subsurface Utility Engineering (FHWA May 1993)
 p-2350 NACE Action Guide Volume II-2: Road Programming (NACE 1992)
 p-2351 Highway/Utility Guide (Office of Technology Applications June 1993)
 p-2352 Highway Capacity Manual (TRB 1992)
 p-2353 Transit Planning and Research Programs (FHWA April 1993)
 p-2354 Transportation Action: A Local Input Model to Engage Community Transportation Planning (FHWA April 1996)
 p-2355 NACE Action Guide Volume II-3: Impact of Land Development on County and Local Transportation System Planning (NACE 1995)
 p-2356 NACE Action Guide Volume II-4: Rural Transportation Planning (NACE 1995)
 p-2357 Redevelopment for Livable Communities (Washington State Energy Office 1995)
 p-2358 Travel Time Models for Forest Roads (USFS February 1996)
 p-2359 The Mini Capital Improvements Plan for Small Towns (Montana Department of Commerce March 1996)
 p-2360 Planning Considerations for Roads, Highways and Bridges (D) (US EPA 1995)
Online: <http://www.epa.gov/owow/NPS/education/planroad.html>
 p-2361 Community Impact Assessment: A Quick Reference for Transportation (FHWA September 1996)
Online: <http://www.dot.ca.gov/ser/vol4/envhb4.pdf>
 p-2362 Public Involvement Techniques for Transportation Decision-Making (FHWA September 1996)
Online: <http://www.fhwa.dot.gov/REPORTS/PITTD/contents.htm>
 p-2363 Planning and Environmental Resources Catalog (FHWA September 1996)
 p-2364 Communities on the Grow (Alberta Economic and Development Guide August 1993)
 p-2365 A Training Guide for Rural Tourism Development (Tourism Center University of Minnesota 1991)
Online: http://extension.usu.edu/files/publications/publication/pub__5885350.pdf

- p-2365-B Community Tourism Assessment Handbook (Oregon State University: Western Rural Development Center 1994)
- p-2366 Flexibility in Highway Design (US DOT and FHWA 1997)
[Online: http://ttap.colostate.edu/Library/FHWA/FHWA-PD-97-062.pdf](http://ttap.colostate.edu/Library/FHWA/FHWA-PD-97-062.pdf)
- p-2367 Colorado Project Priority Programming Process (Colorado DOT August 1994)
- p-2368 Smart Partnerships-A Shared Commitment to Improve Technology (FHWA 1997)
[Online: http://ntl.bts.gov/lib/6000/6200/6242/smart.pdf](http://ntl.bts.gov/lib/6000/6200/6242/smart.pdf)
- p-2369 Partnerships for Effective Technology Transfer (TRB 1997)
- p-2371 Innovative Approaches to Transportation—A Guidebook (USFS December 2001)
[Online: http://www.fws.gov/refuges/roads/pdfs/FSGuidebook.pdf](http://www.fws.gov/refuges/roads/pdfs/FSGuidebook.pdf)
- p-2372 Improving Transit Equity; Streamlining Operations – Technologies that Benefit the Transportation Disadvantaged (FHWA 2006)
[Online: http://ntl.bts.gov/lib/jpodocs/brochure/14139_files/14139.pdf](http://ntl.bts.gov/lib/jpodocs/brochure/14139_files/14139.pdf)
- p-2373 Transportation Asset Management in Australia, Canada, England, and New Zealand (FHWA November 2005)
[Online: http://international.fhwa.dot.gov/assetmanagement/2005tam.pdf](http://international.fhwa.dot.gov/assetmanagement/2005tam.pdf)
- p-2374 Transportation Planning and Asset Management (FHWA 2006)
[Online: http://www.fhwa.dot.gov/infrastructure/asstmgt/tpamb.cfm](http://www.fhwa.dot.gov/infrastructure/asstmgt/tpamb.cfm)
- p-2375 Highway Improvements and Rural Growth: An Annotated Bibliography (US DOT and FHWA January 2001)
- p-2376 Contract Administration: Technology and Practice in Europe (FHWA October 2002)
[Online: http://ttap.colostate.edu/Library/FHWA/FHWA-PL-03-002.pdf](http://ttap.colostate.edu/Library/FHWA/FHWA-PL-03-002.pdf)
- p-2377 Better Public Transportation Options for Everyone: Technologies to Improve Accessibility and Service of Public Transportation (FHWA 2006)
[Online: http://ntl.bts.gov/lib/jpodocs/brochure/14138_files/14138.pdf](http://ntl.bts.gov/lib/jpodocs/brochure/14138_files/14138.pdf)
- p-2378 Profitability and Mobility in Rural America (Pennsylvania State University Press 1989)
- p-2379 Journal of Public Transportation (Center for Urban Transportation Research 2001)
- p-2380 Movements in Land-Use Regulations (Arizona DOT June 2001)
[Online: http://www.azdot.gov/TPD/ATRC/publications/research_notes/PDF/507\(2\)RN.pdf](http://www.azdot.gov/TPD/ATRC/publications/research_notes/PDF/507(2)RN.pdf)
- p-2381 Arizona Local Gov. Safety Project Analysis Model (Arizona DOT June 2001)
[Online: http://www.azdot.gov/TPD/ATRC/publications/research_notes/PDF/504RN.pdf](http://www.azdot.gov/TPD/ATRC/publications/research_notes/PDF/504RN.pdf)
- p-2382 GIS Data Conversion Handbook (Minn Extension Program 1993)
- p-2383 Simplified Guide to the Incident Command System for Transportation Professionals (FHWA February 2006)
[Online: http://www.ops.fhwa.dot.gov/publications/ics_guide/ics_guide.pdf](http://www.ops.fhwa.dot.gov/publications/ics_guide/ics_guide.pdf)
- p-2384 ITS Applications for Coordinating and Improving Human Services Transportation: A Cross-Cutting Study: Improving Service for the Transportation Disadvantaged (FHWA August 2006)
[Online: http://www.cta.ornl.gov/cta/Publications/Reports/ITS_Applications_for_Disadvantaged-Cross_Cutting_Study.pdf](http://www.cta.ornl.gov/cta/Publications/Reports/ITS_Applications_for_Disadvantaged-Cross_Cutting_Study.pdf)
- p-2385 CVISN Electronic Credentialing for Commercial Vehicles in Washington State: Easier Licensing and Credentials Processing for the Motor Carrier Industry (FHWA September 2004)
[Online: http://ntl.bts.gov/lib/jpodocs/repts_te/13980_files/washington.pdf](http://ntl.bts.gov/lib/jpodocs/repts_te/13980_files/washington.pdf)
- p-2386 CVISN Safety Information Exchange for Commercial Vehicles in Connecticut, A Case Study: Increasing Inspection Efficiency Through Wireless Data Access at the Roadside (FHWA September 2004)
[Online: http://cvisn.fmcsa.dot.gov/WhatsNew/Connecticut/Connecticut.htm](http://cvisn.fmcsa.dot.gov/WhatsNew/Connecticut/Connecticut.htm)
- p-2390 Optimal Procedures for Quality Assurance Specifications (FHWA April 2003)
[Online: http://www.tfrc.gov/pavement/pccp/pubs/02095/02095.pdf](http://www.tfrc.gov/pavement/pccp/pubs/02095/02095.pdf)
- p-2391 Optimal Procedures for Quality Assurance Specifications (FHWA October 2004)
[Online: http://www.fhwa.dot.gov/pavement/pccp/pubs/04046/04046.pdf](http://www.fhwa.dot.gov/pavement/pccp/pubs/04046/04046.pdf)
- p-2395 Audit Stewardship and Oversight of Large and Innovatively Funded Projects in Europe (FHWA March 2007)
[Online: http://international.fhwa.dot.gov/pubs/pl07001/pl07001.pdf](http://international.fhwa.dot.gov/pubs/pl07001/pl07001.pdf)
- p-2396 Transportation Invest in Our Future: Revenue Sources to Fund Transportation Needs (AASHTO April 2007)
[Online: http://www.transportation1.org/tif4report/TIF4-1.pdf](http://www.transportation1.org/tif4report/TIF4-1.pdf)

- p-2397 Transportation Invest in Our Futures: Surface Transportation Policy Recommendations (AASHTO March 2007)
Online: <http://downloads.transportation.org/tif2-1.pdf>
- p-2398 At the Crossroads, Preserving Our Highway Investment (National Center for pavement Preservation 2007)
- p-2399 Scenic Byways Advisory Committee Report (FHWA 1993)

Drug and Alcohol

- p-2400 Drug Abuse and Alcohol Misuse Training for CDL Drivers (CTTS/Safety Products Inc. 1996)
- p-2401 Alcohol and Drug Testing Rules for Transportation Employees (Channing L. Bete 1994)

TRIBAL

- p-2420 Indian Reservation Road (IRR) Cost to Improve (D) (US DOT and FHWA 1994)
- p-2421 Indian Reservation Road (IRR) System Mileages (D) (US DOT and FHWA)
- p-2422 Indian Reservation Road (IRR) Formula Mileages (D) (US DOT and FHWA)
- p-2423 Directory of Grant Support and Technical Assistance for Native American Initiatives (Center of Economic Development Research and Assistance at New Mexico State University 1995)
- p-2424 BIA Road Inventory Update with PMS Applications (BIA 1996)
- p-2425 Telecommunications Technology and Native Americans (Office of Technical Assistance, Congress of the United States August 1995)
- p-2426 Assessing Transportation Needs on Indian Reservations (Mountain-Plains Consortium August 1993)
- p-2427 Transportation Guide for Indian Tribal Governments (Washington DOT April 1995)
- p-2428 2% Planning Funding Proposal (FHWA and US DOT 1993)
- p-2429 Partnering for Indian Employment in Highway Construction (FHWA and US DOT 1997)
- p-2430 Indian Task Force Report: Guidance on Relations with Am. Indian Tribal Governments (D) (FHWA February 1998)
- p-2431 Guidelines for Evaluating and Documenting Traditional Properties (US Department of the Interior National Park Service Interagency Resources Division 1994)
Online: <http://www.nps.gov/history/nr/publications/bulletins/pdfs/nrb38.pdf>
- p-2432 Survey on the Status of Sovereign Immunity in the States- 1992 (Administrative Subcommittee on Legal Affairs 1993)
- p-2433 Transportation Planning Manual for Small Local and Tribal Governments (Montana LTAP 1996)
- p-2435 Extracts from Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA) Relating to Indian Tribes and Lands (ISTEA 1991)
- p-2436 Indian Tribes Performing IRR Work Under the Indian Self-Determination Act, P.L. 93-638, as Amended (D) (US DOT and FHWA 1993)
- p-2438 Statement of Work "Draft" Road Inventory Update (D) (US DOT and FHWA)
- p-2439 FHWA/USDA 2nd Exploratory Conference on Transportation Issues Affecting Tourism and Recreational Travel (D) (FHWA & USDA 1994)
- p-2441 Community Tourism Assessment Handbook (\$10 each) (Western Rural Development Center April 1994)
Online: http://extension.usu.edu/files/publications/publication/pub__5885350.pdf
- p-2442 Traffic Collision Workbook for Tribal Roadways-Crow Reservation (Montana TTAP- Crow Reservation 1999)
- p-2443 Traffic Collision Workbook for Tribal Roadways-Northern Cheyenne Reservation (Montana TTAP- Northern Cheyenne Reservation 1999)

METRICATION

- p-2452 Estimating Highway Maintenance Work (Metric Format) (D) (Bureau of Maintenance Ohio Department of Transportation US DOT and FHWA 1993)
- p-2453 Metrication Pocketbook of Facts and Figures (D) (New Mexico State Highway and Department of Transportation US DOT and FHWA 1994)
- p-2454 Metric (SI) Training for Highway Agencies--Participant's Workbook (FHWA October 1993)
- p-2455 Metric (SI) Training for Highway Agencies--Instructor's Guide (FHWA October 1993)

- p-2456 Metric Guide for Federal Construction: 1st Edition (National Institute of Building Sciences 1993)
Online: <http://www.wbdg.org/ccb/VA/VAMETRIC/guide.pdf>
- p-2457 Standard Practices for Use of the International System of Units (SI): The Modernized Metric System (ASTM 1992)
- p-2458 Guide to Metric Conversion (AASHTO 1993)

RULES & REGULATIONS

- p-2482 1994 Driver License Administration Requirements and Fees (US DOT & FHWA 1994)
- p-2487 Montana Community Development Block Grant Program (Parts I & II) (Montana Department of Commerce 1997)
Online: <http://comdev.mt.gov/content/CDBG/docs/GrantAdmin/CHAP07.pdf>
- p-2490 Real Estate Acquisition Guide for Local Public Agencies (FHWA 1993)
Online: <http://www.fhwa.dot.gov/realestate/lpaguide/reag.pdf>

MISCELLANEOUS

- p-2511 Assessment of Border Crossings and Transportation Corridors for North American Trade (FHWA 1991)
Online: <http://transweb.sjsu.edu/mtportal/research/publications/documents/99-02.pdf>
- p-2527 Contract Administration Techniques for Quality Enhancement Study Tour (CATQUEST) (FHWA June 1994)
- p-2531 Creating Bicycle Transportation Networks: A Guidebook (Minn DOT 1996)
- p-2536 Who Does What With Montana's Water? (Montana State University Water Resource Center and The Montana Watercourse 1994 & 1995)
- p-2544 Eddy Hulbert, Montana Silversmith (Shell Reid 1998)
 Historical biography of a Montana silversmith in the Big Horn Country. (82 pages)
- p-2545 Never Summer –Poems from Thin Air (Chris Ransick 2002)
- p-2546 Montana Access Guide to Federal and State Lands (Montana Bureau of Land Management 1995 & 1996)
Online: <http://fwpiis.mt.gov/content/getItem.aspx?id=31422>
- p-2548 U.S. Department of Transportation Procurement Forecast Fiscal Year 1996 (US DOT 1996)
Online: <http://www.fhwa.dot.gov/legsregs/directives/orders/44203a.htm>
- p-2549 U.S. Department of Transportation Marketing Information Package (US DOT November 1995)
- p-2550 Guidelines for the Testing of Seismic Isolation and Energy Dissipating Devices (HITEC March 1996)
- p-2551 Evaluation Findings for Seismic Energy Products, L.P. Elastomeric Isolation Bearings (HITEC May 2001)
- p-2552 Traffic Information Program Series (TIPS) (Florida T² Center June 1996)
Online: http://www.floridasectionite.org/Resources/TIPS_complete_0407.pdf
- p-2554 On One Hand, Poetry of the Plains (Larry Ross)
 Variety of poetry from one of Montana's own!
- p-2556 National Highway User Survey (National Quality Initiative Steering Committee May 1996)
- p-2558 Step Frequency Ground Penetrating Radar characterization and Federal Evaluation Tests (FHWA October 2010)
- p-2559 Planning and Financing Community Water and Sewer Systems in Montana (Montana Department of Commerce July 1997)
- p-2563 Environmental Research – Linking Transportation, the Environment and the Future (US DOT & FHWA 1998)
- p-2564 Highway Statistics 1998 (FHWA 1998)
- p-2565 Extrapolation of Pile Capacity From Non-Failed Load Tests (FHWA December 1999)
- p-2566 Rest Area Forum: Summary of Proceedings (FHWA December 1999)
Online: <http://www.tfrc.gov/safety/00034.pdf>
- p-2577 Evaluation of Measurement Specialties, Inc. Piezoelectric Weigh-in-Motion Sensors (HITEC December 2001)
- p-2578 Evaluation of Thermocoax Piezoelectric Weigh-in-Motion Sensors (HITEC December 2001)

- p-2580 Corrosion Costs and Preventive Strategies in the United States (summary) (FHWA March 2002)
Online: <http://www.corrosioncost.com/pdf/techbreif.pdf>
- p-2581 Corrosion Costs and Preventive Strategies in the United States (FHWA March 2002)
Online: <http://www.corrosioncost.com/pdf/techbreif.pdf>
- p-2590 International Conference on High-Occupancy Vehicle Systems – 2 part: Conference
 p-2600 4th Integrated Transportation Management Systems (ITMS) Conference – A Key Strategy to
Online: http://ntl.bts.gov/lib/jpodocs/repts_te/13662.pdf
- p-2630 Modifications of Air Pollution Models for Complex Site Geometries, V.I & II (FHWA
 September 2002)
- p-2638 Sunshine to Dollars (Steven E. Harris 2003)
 p-2640 Freight Transportation: The Latin American Market (American Trade Initiative August 2003)
Online: http://international.fhwa.dot.gov/latinamer/freight_transp.pdf
- p-2650 Software Reliability: A Federal Highway Administration Preliminary Handbook (FHWA 2004)
Online: <http://www.fhwa.dot.gov/publications/research/safety/04080/04080.pdf>
- p-2655 America's Highways 1776-1976 (FHWA 1976)
 p-2656 Are We There Yet? Building America's Transportation Infrastructure Network (John Yow,
 ARTBA 2002)
- p-2700 57th Annual Road Builders' Clinic 2006 Proceedings (Washington State University and
 University of Idaho March 2006)
- p-2705 County Road Advisors "You Show Us- 2000" Contest for South Dakota, Wyoming, Montana,
 Colorado, Nebraska, North Dakota, and Utah. Regional and State Winners (Wyoming Technical
 Transfer Center 2000)
- p-2706 Build a Better Mousetrap National Competition (FHWA LTAP/TTAP 2010)
 p-2710 Fundamentals of Fluid Mechanics: 2nd Edition (Bruce Munson, Donald Young, & Theodore
 Okiish 1994)
- p-2725 Specification Writers' Guide (FHWA 5//2008)
Online: <http://flh.fhwa.dot.gov/resources/manuals/swg/documents/swg.pdf>

CATALOGS

- p-3000 Cornell Local Roads Program: 2001 Video Catalog (New York LTAP 2001)
 p-3001 Research, Development, and Technology Performance Plan 2006-2007 (Turner-Fairbank
 Highway Research Center 2006)
Online: <http://www.tfhrc.gov/about/perfplan0607/06037.pdf>
- p-3002 The National Highway Institute 1998 Course Catalog (NHI 1998)
 p-3003 2005 OPCD Annual Report (FHWA January 2006)
 p-3004 Transportation Training Resources (NHI 2002)
 p-3005 Arizona Intelligent Vehicle Research Program-Phrase one: 1997-2000 (Arizona DOT 2001)
Online:
[http://www.azdot.gov/TPD/ATRC/publications/project_reports/PDF/AZ473\(1\)/AZ473\(1\)-Intro.pdf](http://www.azdot.gov/TPD/ATRC/publications/project_reports/PDF/AZ473(1)/AZ473(1)-Intro.pdf)
- P-3008 Preliminary Human Factors Guidelines for Traffic Managements Centers
Online: <http://www.fhwa.dot.gov/tfhrc/safety/pubs/99042/99042.pdf>
- p-3015 VISTA- Vehicles with Intelligent Systems for Transport Automation (Arizona DOT November
 2000)
Online: <http://www.sie.arizona.edu/ATLAS/vistaPR/index.htm>
- p-3020 Technical Publications Catalog: October 1998-September 2003 (FHWA 2003)
Online: <http://www.tfhrc.gov/techpubcat/pubcatalog.pdf>
- p-3100 Manual on Uniform Traffic Control Devices (D) (January 2001)
Online: <http://mutcd.fhwa.dot.gov/pdfs/2003r1r2/mutcd2003r1r2complet.pdf>
- p-3104 MR Sign (M-R Sign Company 1992)
Online: <http://www.mrsigncompany.com/catalog/default.php>
- p-3105 Asphalt Recycling & Reclaiming Association Directory 1999-2000
 p-3106 Asphalt Emulsion Manufacturers Association Directory 1999-2000
 p-3107 Asphalt Recycling & Reclaiming Association Directory 2006-2007
 p-3108 Bowd Summit Report (University of Rhode Island: West Greenwich 2007)
 p-3118 2009 NHI Catalog, Training the Transportation Workforce (NHI 2009)
 p-3119 2008 NHI Catalog, Training the Transportation Workforce (NHI 2008)

- p-3120 NHI Training Catalog – Transportation Training Resources Catalog (FHWA 2006)
- p-3121 National Highway Institute 2007 Training Catalog: Transportation Training Catalog (FHWA 2007)
- p-3125 Communications Reference Guide (FHWA May 2004)
[Online: http://www.tfsrc.gov/qkref/qrg.pdf](http://www.tfsrc.gov/qkref/qrg.pdf)
- p-3130 2008 ARTBA Membership Directory & Buyers' Guide (ARTBA 2008)
- p-3200 Humboldt Catalog: Testing Equipment for Asphalt, Concrete, and Soil
[Online: http://www.humboldtmg.com/store.php](http://www.humboldtmg.com/store.php)
- p-3201 Sweet's Engineering & Retrofit: Mechanical, Electrical, Civil/Structural - 1997 Catalog File (Vol. I III) (1997)
- p-3202 Sweet's Directory 1999 (McGraw-Hill Construction Information Group 1999)
- p-3210 Road Quake: Temporary Portable Rumble Strips (Plastic Safety Systems 2009)
[Online: http://www.plasticsafety.com/road-quake-construction-rumble-strips](http://www.plasticsafety.com/road-quake-construction-rumble-strips)
- p-3211 Seal Master: Pavement Products & Equipment (Seal Master 2009)
[Online: http://www.sealmaster.net/](http://www.sealmaster.net/)
- p-3212 RI Lampus Company: Rosetta Walls, Steps, & Accents and Eco-Tek Permeable Paving System & Turfstone (R.I. Lampus Company 2009)
- p-3213 GeoPlan: GIS Solution (GeoDecisions: A Division of Gannet Flemming 2009)
[Online: http://www.geodecisions.com/geoplan/](http://www.geodecisions.com/geoplan/)
- p-3214 Deighton (Deighton 2009)
[Online: http://www.deighton.com/](http://www.deighton.com/)

ITS/IVHS

- p-3501 National Program Plan for Intelligent Transportation Systems Synopsis (ITS November 1994)
[Online: http://ntl.bts.gov/lib/jpodocs/repts_pr/3845.pdf](http://ntl.bts.gov/lib/jpodocs/repts_pr/3845.pdf)
- p-3508 National Program Plan for Intelligent Transportation Systems Volume 2 (ITS November 1994)
[Online: http://ntl.bts.gov/lib/jpodocs/repts_pr/3786.pdf](http://ntl.bts.gov/lib/jpodocs/repts_pr/3786.pdf)
- p-3510 ITS Peer To Peer Program Pamphlet (ITS 2002)
- p-3512 ITS Architectures Development Program (US DOT November 1994)
- p-3515 Intelligent Transportation Systems Projects (FHWA January 1995)
- p-3519 National Intelligent Vehicle Highway Systems (IVHS) Program Plan-Report to Congress (US DOT June 1994)
- p-3520 Meeting 21st Century Challenges of System Performance Through Better Operations (US DOT & FHWA August 2003)
[Online: http://international.fhwa.dot.gov/Pdfs/converted_to_html/scan_summaries/21STcentops.htm](http://international.fhwa.dot.gov/Pdfs/converted_to_html/scan_summaries/21STcentops.htm)
- p-3521 The Status and Applicability of Intelligent Transportation Systems in Montana (ITS September 2002)
- p-3522 Using Metropolitan ITS Deployment Tracking For Regional ITS Planning (ITS August 2002)
[Online: http://www.itsdocs.fhwa.dot.gov/JPODOCS/REPTS_TE/13606_files/13606.pdf](http://www.itsdocs.fhwa.dot.gov/JPODOCS/REPTS_TE/13606_files/13606.pdf)
- p-3523 Metropolitan ITS Integration, A Cross-Cutting Study (ITS November 2002)
[Online: http://ntl.bts.gov/lib/jpodocs/repts_te/13672_files/13672.pdf](http://ntl.bts.gov/lib/jpodocs/repts_te/13672_files/13672.pdf)
- p-3525 Intelligent Transportation Systems in Work Zones (ITS January 2004)
[Online: http://ops.fhwa.dot.gov/wz/technologies/michigan/index.htm](http://ops.fhwa.dot.gov/wz/technologies/michigan/index.htm)
- p-3526 Best Practices of Rural and Statewide ITS Strategic Planning (ITS July 2002)
[Online: http://ntl.bts.gov/lib/jpodocs/repts_te/13608.pdf](http://ntl.bts.gov/lib/jpodocs/repts_te/13608.pdf)
- p-3527 Intelligent Transportation Systems in Work Zones: A Case Study in Albuquerque, NM (ITS January 2004)
[Online: http://ops.fhwa.dot.gov/wz/technologies/albuquerque/index.htm](http://ops.fhwa.dot.gov/wz/technologies/albuquerque/index.htm)
- p-3530 Rural ITS Solutions – Rural ITS Toolbox (FHWA November 2001)
- p-3531 Safety Applications of Intelligent Transportation systems in Europe and Japan (FHWA January 2006)
[Online: http://international.fhwa.dot.gov/ipsafety/ipsafety.pdf](http://international.fhwa.dot.gov/ipsafety/ipsafety.pdf)
- p-3532 Transportation Research Program Administration in Europe and Asia (FHWA 2009)
[Online: http://www.international.fhwa.dot.gov/pubs/pl09015/pl09015.pdf](http://www.international.fhwa.dot.gov/pubs/pl09015/pl09015.pdf)
- p-3535 Intelligent Transportation Systems Benefits and Costs (FHWA 2003)
[Online: http://ntl.bts.gov/lib/jpodocs/repts_te/13772_files/13772.pdf](http://ntl.bts.gov/lib/jpodocs/repts_te/13772_files/13772.pdf)

- p-3540 Benefits and Costs of Full Operations and ITS Deployment – 2003 Simulation for Cincinnati, OH (FHWA July 2006)
- p-3541 Benefits and Costs of Full Operations and ITS Deployment – 2003 Simulation for Seattle (FHWA July 2006)
Online: http://ntl.bts.gov/lib/jpodocs/repts_te/13977.htm
- p-3542 Benefits and Costs of Full Operations and ITS Deployment – 2025 Forecast for Tucson, AZ (FHWA July 2006)
- p-3543 Archived Data Management Systems – A Cross-Cutting Study: Linking Operations and Planning Data (FHWA December 2005)
- p-3544 Intelligent Transportation Systems (ITS) – Benefits, Costs, and Lessons Learned. (FHWA 2005 Update)
Online: http://www.itdocs.fhwa.dot.gov/jpodocs/repts_te/14073_files/14073.pdf

SHRP PUBLICATIONS

Asphalt Analysis

- SHRP-A-335 Binder Characterization and Evaluation by Nuclear Magnetic Resonance Spectroscopy (Strategic Highway Research Council: National Research Council- SHRC:NRC 1993)
Online: <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-335.pdf>
- SHRP-A-341 Fundamental Properties of Asphalt-Aggregate Interactions Including Adhesion and Absorption (SHRC:NRC 1993)
Online: <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-341.pdf>
- SHRP-A-367 Binder Characterization and Evaluation Volume 1 (SHRC:NRC 1994)
Online: <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-367.pdf>
- SHRP-A-368 Binder Characterization and Evaluation Volume 2: Chemistry (SHRC:NRC 1993)
Online: <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-368.pdf>
- SHRP-A-369 Binder Characterization and Evaluation Volume 3: Physical Characterization (SHRC:NRC 1994)
Online: <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-368.pdf>
- SHRP-A-370 Binder Characterization and Evaluation Volume 4: Test Methods (SHRC:NRC 1994)
Online: <http://onlinepubs.trb.org/onlinepubs/shrp/shrp-a-370.pdf>
- SHRP-A-379 The Super active Mix Design System Manual of Specifications Test Methods and Practices (SHRC:NRC 1994)
Online: <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-379.pdf>
- SHRP-A-382 The Application of Small Nuclear Magnetic Resonance Spectrometers to Quality Asphalt-Aggregate Mixes (SHRC:NRC 1994)
Online: <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-382.pdf>
- SHRP-A-383 Selection of Laboratory Aging Procedures for Asphalt-Aggregate Mixtures (SHRC:NRC 1994)
Online: <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-383.pdf>
- SHRP-A-384 Aging: Binder Validation (SHRC:NRC 1994)
Online: <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-384.pdf>
- SHRP-A-388 Stiffness of Asphalt-Aggregate Mixtures (SHRC:NRC 1994)
Online: <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-388.pdf>
- SHRP-A-390 Laboratory Aging of Asphalt-Aggregate Mixtures: Field Validation (SHRC:NRC 1994)
Online: <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-390.pdf>
- SHRP-A-396 Field Validation of the Environmental Conditioning System (SHRC:NRC 1994)
Online: <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-396.pdf>
- SHRP-A-398 Stage 1 Validation of the Relationship Between Asphalt-Aggregate Mix Performance (SHRC:NRC 1994)
Online: <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-398.pdf>
- SHRP-A-399 Low-Temperature Cracking: Binder Validation (SHRC:NRC 1994)
Online: <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-399.pdf>
- SHRP-A-400 Low-Temperature Cracking: Test Selection (SHRC:NRC 1994)
Online: <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-400.pdf>
- SHRP-A-401 Low-Temperature Cracking: Field Validation of the Thermal Stress Restrained Specimen Test (SHRC:NRC 1994)
Online: <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-401.pdf>
- SHRP-A-402 Water Sensitivity: Binder Evaluation (SHRC:NRC 1994)
Online: <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-402.pdf>

- SHRP-A-403 Water Sensitivity of Asphalt-Aggregate Mixes: Test Selection (SHRC:NRC 1994)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-403.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-403.pdf)
- SHRP-A-404 Fatigue Response of Asphalt-Aggregate Mixes (SHRC:NRC 1994)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-404.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-404.pdf)
- SHRP-A-408 Level One Mix Design: Materials Selection Compaction and Conditioning (SHRC:NRC 1994)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-408.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-408.pdf)
- SHRP-A-409 Validation of Relationships Between Specification Properties and Performance (SHRC:NRC 1994)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-409.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-409.pdf)
- SHRP-A-410 Superior Performing Asphalt Pavements (Superpave): The Product of the SHRP Asphalt Research Program (SHRC:NRC 1994)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-410.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-410.pdf)
- SHRP-A-415 Permanent Deformation Response of Asphalt Aggregate Mixes (SHRC:NRC 1994)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-415.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-415.pdf)
- SHRP-A-417 Accelerated Performance-Related Tests for Asphalt-Aggregate Mixes and Uses In Design and Analysis (SHRC:NRC 1994)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-417.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-417.pdf)
- SHRP-A-626 Bibliographies for Physical Properties of Asphalt Cement (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-92-626.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-92-626.pdf)
- SHRP-A-637 Analysis of the Integrated Model of Climate Effects on Pavements
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-637.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-637.pdf)
- SHRP-A-641 Direct Tension Test Experiments (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-641.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-641.pdf)
- SHRP-A-645 SHRP Materials Reference Library: Asphalt Cements: A Concise Data Compilation (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-645.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-645.pdf)
- SHRP-A-646 The SHRP Materials Reference Library (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-646.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-646.pdf)
- SHRP-A-648 A Weather Database for the Superpave Mix Design System (SHRC:NRC 1994)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-648A.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-648A.pdf)
- SHRP-A-649 Fluorometric Characterization of Asphalts (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-649.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-649.pdf)
- SHRP-A-650 Summary of Health Practices: the Use of Petroleum Asphalt in the Hotmix Paving Industry (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-650.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-650.pdf)
- SHRP-A-656 Development of an Asphalt Core Tomographer (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-656.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-656.pdf)
- SHRP-A-663 Size Exclusion Chromatography and Ion Exchange Chromatography Separations of Asphalts (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-663.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-663.pdf)
- SHRP-A-667 Analysis of Sulfur Compound Types in Asphalt (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-667.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-667.pdf)
- SHRP-A-675 The Characterization of Asphalt and Asphalt Recyclability (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-675.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-675.pdf)
- SHRP-A-682 Application of Acoustic Emission to Study the Cohesive and Adhesive Strength of Asphalt (SHRC:NRC 1994)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-682.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-682.pdf)
- SHRP-A-685 Development of SHRP Asphalt Research Program Climatic Databases
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-685.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-685.pdf)
- SHRP-A-686 Guideline for Asphalt Refiners and Suppliers (SHRC:NRC 1994)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-686.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-686.pdf)
- SHRP-A-698 Development and Use of the Repeated Shear Test (Constant Height): Superpave Mix Design Tool (SHRC:NRC 1994)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-698.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-698.pdf)
- SHRP-A-699 Performance Prediction Models In the Superpave Mix Design System (SHRC:NRC 1994)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-699.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-A-699.pdf)

Concrete Analysis

- SHRP-C-339 Concrete Microstructure: Recommended Revisions to Test Methods (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-339.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-339.pdf)
- SHRP-C-340 Concrete Microstructure (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-340.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-340.pdf)
- SHRP-C-342 Alkali-Silica Reactivity: An Overview Research (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-342.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-342.pdf)
- SHRP-C-343 Eliminating or Minimizing Alkali-Silica Reactivity (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-343.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-343.pdf)
- SHRP-C-345 Synthesis of Current and Projected Concrete Highway Technology (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-345.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-345.pdf)
- SHRP-C-361 Mechanical Behavior of High Performance Concretes, Volume 1: Summary Report (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-361.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-361.pdf)
- SHRP-C-362 Mechanical Behavior of High Performance Concretes, Volume 2: Production of High Performance Concrete (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-362.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-362.pdf)
- SHRP-C-363 Mechanical Behavior of High Performance Concretes, Volume 3: Very Early Strength Concrete (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-363.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-363.pdf)
- SHRP-C-364 Mechanical Behavior of High Performance Concretes, Volume 4: High Early Strength Concrete (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-364.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-364.pdf)
- SHRP-C-365 Mechanical Behavior of High Performance Concretes, Volume 5: Very High Strength Concrete (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-365.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-365.pdf)
- SHRP-C-366 Mechanical Behavior of High Performance Concretes, Volume 6: High Early Strength Fiber Reinforced Concrete (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-366.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-366.pdf)
- SHRP-C-373 Optimization of Concrete Highway Technology
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-373.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-373.pdf)
- SHRP-C-376 Manual for Maturity and Pullout Testing on Highway Structures (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-376.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-376.pdf)
- SHRP-C-391 Resistance of Concrete to Freezing and Thawing (SHRC:NRC 1994)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-391.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-391.pdf)
- SHRP-C-406 Users Guide to the Highway Concrete (HWYCON) Expert System (SHRC:NRC 1994)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-406.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-406.pdf)
- SHRP-C-412 Concrete Rehabilitation-Users Manual (SHRC:NRC 1994)
- SHRP-C-413 Durability Testing of Concrete and Aggregates-Users Manual (SHRC:NRC 1994)
- SHRP-C-414 Quality Control of Concrete On-Site-Users Manual (SHRC:NRC 1994)
- SHRP-C-662 Concrete Microscopy (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-662.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-662.pdf)
- SHRP-C-677 Fiber Optic Airmeter
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-677.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-C-677.pdf)

Road Maintenance

- SHRP-H-320 Snow Fence Guide (SHRC:NRC 1991)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-320.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-320.pdf)
- SHRP-H-346 Improved Cutting Edge for Ice Removal (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-346.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-346.pdf)
- SHRP-H-348 Asphalt Pavement Repair Manuals of Practice (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-348.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-348.pdf)
- SHRP-H-349 Concrete Pavement Repair Manuals of Practice (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-349.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-349.pdf)
- SHRP-H-350 Road Weather Information Systems Volume 1: Research Report (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-350.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-350.pdf)
- SHRP-H-351 Road Weather Information Systems Volume 2: Implementation Guide (SHRC:NRC 1993)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-351.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-351.pdf)
- SHRP-H-352 Innovative Materials Development and Testing, Volume 1: Project Overview (SHRC:NRC

- 1993)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-352.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-352.pdf>
- SHRP-H-353 Innovative Materials Development and Testing, Volume 2: Pothole Repair (SHRC:NRC 1993)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-353.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-353.pdf>
- SHRP-H-354 Innovative Materials Development and Testing, Volume 3: Treatment of Cracks In Asphalt Concrete-Surfaced Pavements (SHRC:NRC 1993)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-354.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-354.pdf>
- SHRP-H-355 Innovative Materials Development and Testing, Volume 4: Joint Seal Repair (SHRC:NRC 1993)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-355.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-355.pdf>
- SHRP-H-356 Innovative Materials Development and Testing, Volume 5: Partial Depth Spall Repair (SHRC:NRC 1993)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-356.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-356.pdf>
- SHRP-H-358 Pavement Maintenance Effectiveness
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-358.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-358.pdf>
- SHRP-H-371 Maintenance Work Zone Safety Devices Development and Evaluation (SHRC:NRC 1993)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-371.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-371.pdf>
- SHRP-H-374 Seismic Pavement Analyzer Operations Manual With Technical Specifications (SHRC:NRC 1993)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-374.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-374.pdf>
- SHRP-H-375 Development and Testing of a Seismic Pavement Analyzer (SHRC:NRC 1993)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-375.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-375.pdf>
- SHRP-H-380 Making Pavement Maintenance More Effective (SHRC:NRC 1994)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-380.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-380.pdf>
- SHRP-H-381 Design Guidelines for the Control of Blowing and Drifting Snow (SHRC:NRC 1994)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-381.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-381.pdf>
- SHRP-H-385 Development of Anti-Icing Technology (SHRC:NRC 1994)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-385.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-385.pdf>
- SHRP-H-640 Development of Maintenance-Free Highway Safety Appurtenances (SHRC:NRC 1993)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-640.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-640.pdf>
- SHRP-H-643 Ice-Pavement Bond Disbonding-Fundamental Study (SHRC:NRC 1993)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-643.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-643.pdf>
- SHRP-H-644 Ice-Pavement Bond Disbonding-Surface Modification and Disbonding (SHRC:NRC 1993)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-644.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-644.pdf>
- SHRP-H-647 Evaluation Procedures for Deicing Chemicals and Improved Sodium Chloride (SHRC:NRC 1993)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-647.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-647.pdf>
- SHRP-H-659 Fabrication and Testing of an Automated Crack Sealing Machine (SHRC:NRC 1993)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-659.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-659.pdf>
- SHRP-H-672 Ground-Penetrating Radar Equipment for Detecting Pavement Condition for Preventive Maintenance (SHRC:NRC 1993)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-672.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-672.pdf>
- SHRP-H-673 An Improved Displacement Snowplow (SHRC:NRC 1993)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-673.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-673.pdf>
- SHRP-H-674 Fabrication and Testing of Automated Pothole Patching Machine (SHRC:NRC 1994)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-674.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-674.pdf>
- SHRP-H-676 Automated Vehicle for Enhanced Work Crew Safety (SHRC:NRC 1994)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-676.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-676.pdf>
- SHRP-H-683 Anti-Icing Study: Controlled Chemical Treatments
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-683.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-683.pdf>

Pavement Performance

- SHRP-M/FR-92-102 Development of a Procedure to Rate the Application of Pavement Maintenance Treatments - Two Parts (SHRC:NRC 1994)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-322.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-H-322.pdf>
- SHRP-P-338 Distress Identification Manual for the Long-term Pavement Performance Project (SHRC:NRC 1998)
[Online:](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-P-338.pdf) <http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-P-338.pdf>

- SHRP-P-378 Manual for Profile Measurement: Operational Field Guidelines (SHRC:NRC 1994)
[Online: http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-P-378.pdf](http://onlinepubs.trb.org/onlinepubs/shrp/SHRP-P-378.pdf)
- SHRP-P-386 SHRP-LTPP Traffic Data Collection and Analysis: Five-Year Report (SHRC:NRC 1994)
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- SHRP-P-387 SHRP-LTPP General Pavement Studies: Five-Year Report (SHRC:NRC 1994)
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