



**Montana LOCAL TECHNICAL ASSISTANCE PROGRAM
SOFTWARE LIST 2016**

Descriptions
Revised 1/1/2016
1-800-541-6671

AVAILABLE SOFTWARE

BRIDGES

- | | |
|----------------------------|--|
| <i>Construction</i> | <i>001-049</i> |
| SW001 | Information on Modern Timber Bridges in the United States (CD-ROM) |
| SW002 | Massachusetts Bridge Technology Workshop (<i>D</i>) |
| SW005 | HPM Training (High Performance Materials) – FHWA Resource Center, June 2006
This 2-CD set contains powerpoint presentations from five HPM seminars hosted by Oregon DOT in February and March 2006. This training covers areas such as bridge management and inspection, bridge security, structural design, high performance bridge materials and accelerated bridge construction/prefabricated bridge elements and systems. |
| <i>Maintenance</i> | <i>050-099</i> |

EQUIPMENT

- | | |
|---------------------------|--|
| <i>Maintenance</i> | <i>100-149</i> |
| <i>Operation</i> | <i>150-199</i> |
| SW150 | Municipal Equipment Mgmt System (MEMS) Version 1.0 (CD-ROM) |
| SW151 | Motor grader Operation (CD-I) |
| SW160 | Walk ‘n’ Roll Packer/Roller
A budget-saving tool for better roads with less road maintenance. |

ROADS

- | | |
|----------------------------|---|
| <i>Construction</i> | <i>200-299</i> |
| SW200 | Waste Byproducts in Construction (CD-ROM) |
| SW201 | I-15 Corridor Reconstruction Project, UDOT (CD-ROM) |
| SW202 | SWEET’s CD Fall 1999 (CD-ROM) |
| SW203 | Systems Planning interactive Library and User’s Handbook for the Development of the Florida Interstate Highway System (<i>D</i>) |
| SW210 | EZ Road TempRamps
EZ Road TempRamps are a safer, more cost-effective alternative to asphalt or cold-patch temporary ramps at milled butt joints, bridges, and end-of-day joints. |
| SW214 | A Policy on Geometric Design of Highways and Streets (2004)
This single-user CD-ROM of the fifth edition of AASHTO’s “Green Book” contains the latest design practices in universal use as the standard for highway geometric design and has been updated to reflect the latest research on super elevation and side friction factors as presented in NCHRP Report 439. New exhibits in Chapter 3 will help designers to quickly and accurately determine the side friction factor used for horizontal curve design, the super |

- elevation rates for various curve radii, and the minimum radii with normal crown for each of the five maximum super elevation rates. (AASHTO 2004)
- SW220 **Introduction to the Inspection of Ground Anchors and Soil Nails (2002)**
This CD is a cooperative effort by the CTIP (Coordination Federal Lands Highway Technology Implementation Program) introducing through video clips how to inspect ground anchors and soil nails. (CTIP 2002)
- SW221 **Inspection of Ground Anchors (2002)**
This two-disk program was developed by the Coordinated Federal Lands Highway Technology Implementation Program. Disk 1 covers the preconstruction phase of ground anchors through video clips and diagrams. Disk 2 explains covers the construction phase using ground anchors through various media. (CTIP 2004)
- SW222 **Application of Ground Anchors and Soil Nails in Roadway Construction (FHWA April 2007)**
Three training CD's
- SW225 **Highway Materials Engineering Soils – NHI, January 2002**
This CD from National Highway Institute Course Number 131023A for Chapters 9-14. Coverage includes materials control and acceptance-quality assurance; soil and foundations; steels, welding, and coatings; aggregates and unbound bases; asphalt materials and paving mixtures; and Portland Cement Concrete.
- SW240 **Road Engineering and Construction Practices for Cold Regions (FHWA April 2007)**
Two training CD's
- SW250 **A Road Construction Industry Consortium Training Program (FHWA 2008) CD-ROM**
The Roadway Safety Awareness Program provides an overview of common hazards in highway and road construction and simple prevention measures. It is designed for use by supervisory personnel with some safety and health experience or by safety and health personnel to orient new workers as they arrive on the jobsite. This program is not intended as a compliance guide. It is intended to help your company produce the worker awareness needed to achieve best practices. It is not a substitute for an OSHA 10-hour course or more in-depth training. It is a labor-management safety reminder.
- SW260 **Introduction to Reading Montana Highway Plans (January 2009) CD-ROM**
This training session includes voice instruction along with slides covering the booklet provided on "A Guide to Reading Montana Highway Plans."

***Asphalt & Pavement* 300-399**

- SW300 ND T2 Center Rdwy. Inv. Prog. For Windows (3.5" Disk)
- SW301 Surface Thickness Program (3.5" Disk) SW109
- SW302 Road Surface Management System (RSMS) Version 3.0 (3.5" Disk)
- SW304 Pavement Recycling Guidelines for State and Local Gov. (CD-ROM)
- SW305 DataPave Version 2.0 (CD-ROM)
- SW306 PaveCool: Asphalt Pavement Cooling Tool (3.5" Disk)
- SW307 Pavement Preservation: The Preventive Maintenance Concept (CD ROM)
- SW308 What If Roads Could Last a Lifetime?
- SW309 Pavement Preservation State of the Practice
- SW310 Performance-Related Specifications for PCC Pavements (CD-ROM)
- SW311 A Guide for Hot Mix Asphalt Pavement
- SW312 Hot Mix Asphalt for the Undergraduate (CD-ROM)
- SW313 Asphalt Management Maintenance
- SW315 Virtual Superpave Laboratory
This CD is a learning tool for training engineering students, practicing engineers, and

technicians in the laboratory procedures and data analysis of Hot Mix Asphalt (HMA) testing. This interactive CD will increase the expertise of agency, consultant, and contractor personnel responsible for making decisions concerning HMA mix design, quality control, and acceptance. Users will learn about the theoretical concepts behind the tests and will be able to conduct hands-on manipulation of the data. VSL provides a basic level of understanding of Superpave for all who specify, design, and build asphalt pavements. (National Asphalt Pavement Association 2005)

- SW316 Pavement Preservation Strategy (ISSA 2005)
- SW317 Pavement Preservation Toolbox: Strategies for Preventive Maintenance Programs (FHWA June 2005)
- SW318 Pavement Preservation Toolbox: 2nd Edition (FHWA June 2007) CD-ROM
Now available is the second edition of the Federal Highway Administration's (FHWA) popular *Pavement Preservation Toolbox* CD. Essentially a one-stop library, the toolbox contains a wealth of information on cutting edge technologies and practices in pavement preservation. The second edition provides the same ease of accessibility, but with a greater volume of documents and resources to help State and local transportation agencies manage their highway assets. Additions to the CD are the California Department of Transportation (Caltrans) *Maintenance Technical Advisory Guide*, FHWA's *A Quick Check of Your Highway Network Health* booklet, FHWA's *Federal Lands Highways Context Sensitive Roadway Surfacing Selection Guide and Photo Album*, Web links to the National Center for Pavement Preservation and State pavement preservation centers in California and Texas, Recent FHWA technical and policy memos on pavement preservation, National Cooperative Highway Research Program reports on pavement preservation, Recent pavement preservation publications from the Asphalt Emulsion Manufacturers Association, International Slurry Surfacing Association, Asphalt Recycling and Reclaiming Association, International Grooving and Grinding Association, and the American Concrete Pavement Association.
- SW320 NCHRP - Recommended Use of Reclaimed Asphalt Pavement in the Superpave Mix Design Method
Research developed guidelines for incorporating reclaimed asphalt pavement (RAP) in the Superpave system and prepare a manual that can be used by laboratory and field technicians. (Transportation Research Board 2004) For more information go to:
<http://www4.trb.org/trb/crp.nsf/e7bcd526f5af4a2c8525672f006245fa/efd647c149b80c3b>
- SW330 Various Pavement Courses from NHI (Package)
The following list identifies each CD by the NHI Course Number with the title:
1. (No Number) Pavement Distress Identification: All Materials (7/1997)
 2. (No Number) Pavement Management Systems: All Materials (9/1998)
 3. (No Number) Techniques for Pavement Rehabilitation: All Materials (10/1998)
 4. 13129 AASHTO Pavement Overlay Design: Instructor's Guide, Reference Manuals, Visual Aids (March 1999)
 5. 13153 Superpave Fundamentals: Instructor Guide, Participant Guide, Visual Aids, Exercises (April 2000)
 6. 13153 Superpave Fundamentals: Reference Manual (June 2000)
 7. 130078 A Fracture Critical Inspection Techniques for Steel Bridges: Participant's Workbook (August 2003)
 8. 131023 Highway Materials Engineering (Nov 2002)
 9. 131032 Hot Mix Asphalt Construction: All Materials (July 2002)
 10. 131044 Hot Mix Asphalt Production Facilities: Instructor guide, Participant Workbook, Reference Manual, Powerpoint Presentation (July 2002)
 11. 131050 Asphalt Pavement Recycling Technologies: (Two CD's) CD No. 1 – Instructor Manual, Participant Workbook; CD No. 2 – Jeopardy Workshop, Double Jeopardy Workbook (July 2002)
 12. 131058 Cement Preservation: Selecting Pavement for Preventive Maintenance: Instructor Guide, Participant Workbook, Visual Aids (Sept 2001)
 13. 131060 Concrete Pavement Design Details and Construction Practices (Dec 2001)
 14. 131103 Pavement Preservation: Design and Construction of Quality Preventive Maintenance Treatments: PM3 Updated Final Files (Nov 2004)
 15. 131104 Pavement Preservation: Integrating Pavement Preservation Practices and Pavement Management: All Materials (Jan 2004)
 16. 131105 Analysis of PMS Data Engineering Applications: All Materials (Nov 2002)

17. 134006 Highway/Utility Issues: All Materials (Aug 2001)
 18. 134058 Alternative Contracting: Instructor Guide (4/2004)
 19. 134058 Alternative Contracting: Participant Workbook (9/2004)
 20. 142054 Design and Implementation of Erosion and Sediment Control: Participant Workbook (4/2005)
 21. 152069 Training Program for Metropolitan Transportation Planning: Reference manual (1/2002)
- SW340 **Managing Pavement Edge Dropoffs to improve Safety and Reduce Tort Liability (FHWA) Rec'd 3/2006**
 This CD multi-media record of the proceedings, presentations and documentation of 2/11/2004 George and 1/10/2005 Omni Shoreham workshops covered pavement edge drop-off issues and treatment options available to reduce associated crashes. Contains workshop presentations defining crash, tort liability and research issues as well as presentations on practical solutions by highway agencies in Texas, Kansas, Georgia, Idaho, New York and Gwinnett County Georgia. Also includes a presentation on the potential problem caused by shoulder wedge buildup due to multiple overlays. (FHWA rec'd 3/2006)
- SW350 **Good Practices: Incorporating Safety into Resurfacing and Restoration Projects (FHWA December 2006)**
- SW360 **RCC- Pave: Software for the Thickness Design of Roller-Compacted Concrete Pavement (Portland Cement Association 2002) CD-ROM**
 Designing RCC pavements has been made easy with this Windows-based computer program. The program provides a means of evaluating and designing roller-compacted concrete for industrial pavements such as container ports, rail and truck terminals, and industrial yards that are subjected to heavy off-highway vehicles and equipment. It can also be adapted for conventionally loaded vehicles. The program is derived from the Portland Cement Association's AIRPORT computer program and PCA's publication
- SW361 **RCC Pavement: Roller-Compacted Concrete (Portland Cement Association 2007) CD-ROM**
 This full-size CD includes a 5-minute video describing the complete construction sequence for an RCC project – mixing, placing, compacting and curing. Also included on the CD are several technical publications including a suggested specification, thickness design and production guide and case studies describing various applications. Includes IS009, IS233, IS328, IS332, IS692, PL397, PL614, PL620, and PL623. Windows format only.
- SW370 **Every Day Counts Resources: WMA, Safety Edge, Roadway Departures (FHWA 2010) (CD-with documents, presentations, powerpoints, videos)**
 Warm Mix Asphalt – Summit Presentations; Safety Edge: publications, brochure, FAQs, Report, TRB Paper; presentations, videos; Roadway Departure Resources: Friction, horizontal curves, MASH, NCHRP 500, Studies and Data, Rumble Strips.
- SW371 **Recycled Materials for Local Engineers (RMRC – New Hampshire T2 Center Sponsored Seminar- March 31, 2011)**
 This CD contains videos and narrated powerpoint presentations. Must be used with Mac or PC computers only:
 Presentation Videos:
 NH Department of Environmental Services: Recycled materials in Road Projects
 A Minnesota County's Experience With In-Place Recycling
 Crushed Glass in Road Applications
 Narrated Presentations:
 Introduction: Recycled Materials in Roads
 NH Department of Environmental Services: Recycled materials in Road Projects
 A Minnesota County's Experience With In-Place Recycling
 Crushed Glass in Road Applications
 Crushed Concrete in Road Applications
 Recycling for Performance: Recycling with HMA
 Presentation PDF Files (just slides – no sound, no narrative)
 Introduction: Recycled Materials in Roads

NH Department of Environmental Services: Recycled materials in Road Projects
 A Minnesota County's Experience With In-Place Recycling
 Crushed Glass in Road Applications
 Crushed Concrete in Road Applications
 Recycling for Performance: Recycling with HMA

- Concrete 400-449**
- SW400 Rubblization
 - SW401 High Performance Concrete Net Conference (3/27/03 FHWA)
 - SW402 High Performance Concrete: Structural Designers' Guide (2005)
 The main objective of this Guide is to provide a source of information to structural designers for the design and construction of highway bridges and related structures using HPC (High Performance Concrete). It can also be found at <http://knowledge.fhwa.dot.gov/hpc> and go to What's New. It will also be useful to materials and construction engineers, contractors, researchers and industry. (FHWA 3/2005)
 - SW403 High-Performance Concrete (HPC)/ Deck Overlay Seminar (FHWA 2006)
 A collection of presentations regarding Quality Control/Quality Assurance and performance-related specifications; permeability test procedure experiences, benefits, and limitations; and experiences with certain bridge deck overlay materials.
 - SW404 High-Performance Concrete (HPC) Implementation Survey Results (FHWA 2007)
 Documents estimates of crash reduction that might be expected if a specific countermeasure or group of countermeasures is implemented with respect to intersection crashes.
 - SW405 Consolidation of Concrete by Vibration (Portland Cement 1983) and FHWA Stockpile Recovery to Minimize Segregation (US DOT 2005)
 The first video provides insight on using Portland Cement in building roads (19 minutes) and the second video outlines best practices of how to take from gravel stock piles and load into dump trucks (8 minutes). (Must use with computer to select and play videos.)
- Gravel 450-499**
- SW450 Gravel Roads-Maintenance and Design Manual (SD LTAP)
- Weed Control 500-549**
- Fabrics & Textiles 550-599**
- SW550 Geosynthetics: Use in Streets and Highways (CD-ROM)
 - SW551 Introduction to Geosynthetics in Transportation (GMA 2007)
- Drainage, Culvert, Erosion, Watersheds 600-699**
- SW600 Culvert Installation and Maintenance Workshop (North Dakota)
 - SW601 FishXing
 - SW602 Culvert Management System (CMS)
 - SW603 Your Culvert Lining Solution
 - SW610 Endangered Species Act – Build Smart
 This two-disk program was developed by the Coordinated Federal Lands Highway Technology Implementation Program and is a product of the Department of Civil Engineering and Instruction and Research Services at Portland State University. Disk 1 covers the introduction to the ESA, reviews independent duties of an agency's responsibilities. Disk 2 explains constructing to ESA, two case histories, and additional resources for inspectors. (CFLAHTIP 2004)
 - SW615 Erosion Control: Handbook for Local Roads (2003)

The handbook, instructional guide, and materials were developed to provide a useful guide for complying with storm water construction permitting requirements on projects. It will assist in bridging the gap between what the regulators want installed on projects and what is reasonable and required to be installed on projects. Minnesota LTAP with the Minnesota LRRB Research Implementation committee and the Federal Highway Administration worked with the Environmental Protection Agency to develop this handbook, instructional guide, and materials. (Minn LTAP/FHWA 2003)

- SW616 **Design and Implementation of Erosion and Sediment Control – NHI, 2001**
 This NHI course number 134054 provides course materials for a joint effort between FHWA and Environmental Protection Agency which reflects the agencies' commitment to providing education and training on planning, design, implementation, enforcement, inspection and maintenance strategies to control erosion and sediment on highway construction projects, as well as to ensure that regulator issues are addressed accurately and uniformly.
- SW620 **Water/Road Interaction Technology Series**
 Water/Road Interaction Toolkit
- SW625 **Riparian Roads and Restoration – US Forest Service, August 2005**
 This is an electronic short course about roads and riparian areas. It addresses minimizing impacts on riparian/wetland areas and restoring or improving riparian wetland ecosystem health. The course is broken into nine areas of discussion, with an individual instructor lecturing on their area of expertise (live clip), with powerpoint presentation on the other side of the screen.
- SW631 **Low Volume Roads Engineering – BMP Field Guide (Gordon Keller & James Sherar, USFS, July 2003)**
 This CD is the same as the publication, p-631 (158 pages), available from LTAP library. This guide is intended to provide an overview of the key planning, location, design, construction, and maintenance aspects of roads that can cause adverse environmental impacts and to list key ways to prevent those impacts.

Dust Control

700-749

- SW700 **City of Calgary-Dust Abatement Tests (CD-ROM)**

Snow and Ice Removal

750-779

- SW750 **Snow & Ice Control (Idaho Transportation Department)**
- SW751 **Winter Maintenance Training Materials (Salt Institute)**
- SW752 **Snow fighting Training Materials (CD-ROM)**
- SW753 **Snow Removal Attachment Guide, Henke**
- SW754 **Fixed Automatic Anti-Icing - ODIN Systems International**
- SW755 **Best Practices for Road Weather Management (D)**
- SW756 **Winter Maintenance Training Materials (Volume 2)**
 Directed at local government public works technical personnel from the Public Works Director and Engineer, to the Road/Street Superintendent and public works technicians. Reviews important preparations prior to operations, discusses actual plowing and spreading operations, including the use of a variety of equipment, materials and techniques. Emphasizes sensible salting, looking at the various ways that salt can be used, by itself or in conjunction with other materials with a discussion on application rates. Covers deicing, prewetting, anti-icing and pickup and disposal operations along with relevant information for special areas and considerations, including post storm cleanup and record keeping. Includes technical information sheet and reference document addressing salt and the environment.(Salt Institute 2004)
- SW757 **Minnesota Snow and Ice Control: Field Handbook for Snowplow Operators (MN LTAP 2005)**
 Describes the tools, best practices and limitations for snow and ice control. Explains when to use and when not to use these tools and practices. Covers basic concepts, before the winter, before the storm, during the storm, and after the storm. Can also be found at:

<http://www.mnltap.umn.edu/pdf/snowicecontrolhandbook.pdf>

(MN LTAP 2005)

- SW760 **Anti-Icing and Road Weather Information System**
This program was developed to assist the transportation community to understand and use the information that is provided from a Road Weather Information System, using this information to determine which of the tools (anti-icing, de-icing, plowing) to use to provide the best approach to winter maintenance. This program contains seven modules with the final module being a scenario room where the student can take the information that has been learned to solve true winter problems. (AASHTO 2005)
- SW761 **Road Weather Information System/ Anti-Icing Training (AASHTO)**
Two training CD's
- SW765 **A Snowplow Operators' Guide To Snow and Ice Equipment (IdahoT2)**
This is an interactive computer course covering all aspects of snowplowing. The initial window offers these topics: 1)Types of Equipment, 2)Mounting of Equipment, 3)Inspection, 4)Anti-icing/deicing, 5)Plowing Techniques, and 6) Final Test (which is also interactive). Each division has specific video clips that cover that topic listed, as well as more subheadings under each heading. This DVD offers a wealth of knowledge for the experienced operator and newcomer. (Time varies with each module.)
- SW770.1 **Anti-Icing and Road Weather Information System (AASHTO Version 2 – September 2008). Computer-Based Training (CBT)**
This program contains seven modules with the final module being a scenario room where the student can take the information that has been learned to solve true winter problems. To be used for training on computer – not a DVD. (24 hours of training)
- SW770.2 **Selecting Snow & Ice control Materials to Mitigate Environmental Impacts. (AASHTO Version 1.5, April 2009) Computer-Based Training (CBT)**
This CBT contains 8 units that cover snow and ice control materials. To be used for training on computer – not a DVD. (2 hours of training)
- SW770.3 **Equipment Maintenance (AASHTO Version 1.3, September 2009) Computer-Based Training (CBT)**
This CBT contains 8 units that cover equipment maintenance information. To be used for training on computer – not a DVD. (2 hours of training)
- SW770.4 **Proper Plowing Techniques (AASHTO Version 1.3, September 2009) Computer-Based Training (CBT)**
This CBT contains 8 units that cover snow plowing techniques. To be used for training on computer – not a DVD. (2 hours of training)
- SW770.5 **Deicing (AASHTO Version 1.3, April 2009) Computer-Based Training (CBT)**
This CBT contains 8 units that cover deicing and common materials. To be used for training on computer – not a DVD. (4 hours of training)
- SW770.6 **Blowing Snow Mitigation (AASHTO Version 1.3, September 2009) Computer-Based Training (CBT)**
This CBT contains 7 units that cover blowing snow topics. To be used for training on computer – not a DVD. (3 hours of training)
- SW770.7 **Winter Maintenance Management (AASHTO Version 1.2, April 2009) Computer-Based Training (CBT)**
This CBT contains 7 units that cover management issues dealing with winter conditions on roads, including budgeting and staffing. To be used for training on computer – not a DVD. (2 hours of training)
- SW770.8 **Performance Measures for Snow & Ice Control Operations (AASHTO Version 1.0, April 2010) Computer-Based Training (CBT)**
This CBT contains 7 units that cover why performance measures are important, input and output measures, and develop measuring systems. To be used for training on computer – not a DVD. (4 hours of training)

Roundabouts
SW780

780-788

Common Sense Solutions to Intersection Safety Problems

Contains workshop materials which present a basic understanding of intersection safety issues using minimal or uncomplicated technical jargons. Presents a “How to” information for common safety tasks that do not require an engineer as well as background information on safety tasks that require an engineer. PowerPoint slides (with Instructor’s notes) provide a resource for a local transportation manager who is responsible for educating his constituents on basic intersection safety issues or concerns.

Speed Bumps

789-800

SAFETY

General

800-399

SW800

Safety & Operations Electronic Reading Room

SW803

Moving Safely Across America-The Interactive Highway Safety Experience

SW804

Improving Safety, Reliability, and Security—Transportation Management

SW805

TRB 3D in Transportation Symposium & Workshop Interactive CD-ROM (Renaissance Orlando Hotel, May 26-29, 1999)

SW806

NACE-Training Guide Series & Action Guide Series

SW809

Implementing High Risk rural roads Program (FHWA March 2010) see also p-809 in publications

This report documents common challenges, noteworthy practices and lessons learned experienced through the implementation of the High Risk Rural Roads Program. States can use these documented practices to launch their HRRRPs, identify next steps for a program already moving forward, or implement noteworthy practices to improve an established program. (52 pages)

SW810

IHSDM, Interactive Highway Safety Design Model

This IHSDM preview in cd-rom format, version 2.0, provides an overview of the functions and capabilities of IHSDM and features an exercise for using IHSDM. This road safety evaluation software marshals available knowledge about safety into a more useful form for highway planners and designers. The Federal Highway Administration (FHWA) has been developing IHSDM with initial focus on two-lane rural highways. 2003 release of IHSDM for two-lane rural highways is now available for testing and evaluation purposes.

Prospective users include highway designers, planners and project managers, and safety and traffic engineering reviewers in State and local highway agencies and engineering consulting firms. (FHWA 2003) This can also be found at:

http://w16.161.62.248/ihsdm_public/index.html

SW840

Safe Routes to School Program (3M Traffic Safety Solutions 2006)

3M products and expertise help agencies develop on-target SRTS unding requests for school zone safety-improvement projects.

SW843

School Zone Safety—Montana (MT LTAP & MDT 1995)

SW845

Comprehensive Intersection Resource Library (Version 3) (FHWA March 2006)

Resources included in this library represent a broad cross section of publications, educational materials and other media published by the Federal Highway Administration and other transportation safety partners. Beyond the initial section with background Information, the library content is organized into five broad categories, including traditional signalized and unsignalized intersections, roundabouts, highway/rail grade crossings, and nontraditional

- intersection designs such as single-point intersections. The last section provides links to other transportation safety partner web sites for additional information
- SW846 **Comprehensive Intersection Resource Library (Version 4) (FHWA April 2010)**
Resources included in this library represent a broad cross section of publications, educational materials and other media published by the Federal Highway Administration and other transportation safety partners. Topics are organized into five broad categories, including traditional signalized and unsignalized intersections, roundabouts, highway/rail grade crossings, and nontraditional intersection designs such as single-point intersections.
- SW850 **Pedestrian Facility Design – NHI – August 2002**
This NHI Course Number 142045A was developed to provide information and application opportunities for those involved in the design of pedestrian facilities. The ADA requires newly construed and altered sidewalks to be accessible and usable for people with disabilities, and accessibility improvements need to be implemented for existing facilities. Instruction centers on two case examples involving corridor design and intersection design issues.
- SW851 **Bicycle Facility Design – NHI May 2002**
NHI Course Number 142046A assists planners and designers in learning how to apply the existing standards and how to deal with other technical issues involved.
- SW852 **Bicycle Safer Journey, Interactive Bicyclist Safety Awareness (FHWA)**
- SW853 **Safer Journey-Interactive Pedestrian Awareness(FHWA)**
- SW854 **Community Impact Assessment Workshop (10/2001 FHWA)**
- SW855 **Safety Training Resources Guide – Version 1.0**
The objective of this CD is to perform searches on safety traffic topics by selecting different search categories e.g. (Titles, Categories, Classification, State, Level of Training, Primary Source, Instructor, and Contact). (US DOT/FHWA)
- SW856 **Local Roads Safety Resource CD (FHWA January 2010)**
This CD contains seven safety topics that provide guidance, tools, and other resources from government agencies and national associations on local roadway safety: Crash Data, Crash Types; FHWA safety programs; General Resources (web, documents, training), Road User Safety, Outreach material, Local Roads Safety Research.
- SW857 **Road Safety 365: a Safety Workshop for Local Governments (FHWA October 2010)**
This Workshop contains 9 powerpoint modules, pdf Participant Workbook and two video clips illustrating how we can all be part of the safety solution.
- SW882 **(1) Intersection Safety: A Manual for Local Road Owners (FHWA 2011)**
This document provides information on effectively identifying intersection safety issues in local areas, choosing the countermeasures that address them, and evaluating the benefits of those treatments. (60 pages)
- (2) Roadway Departure Safety: A Manual for Local Road Owners (FHWA 2011)**
This document provides information on effectively identifying roadway departure safety issues in local areas, choosing the countermeasures that address them, and evaluating the benefits of those treatments. (68 pages)
- (3) Road Safety Information Analysis: A Manual for Local Road Owners (FHWA 2011)**
This document was developed to provide data collection and analysis techniques as well as other processes applicable to the local practitioner to help improve the safety of local rural roads. (46 pages)

Traffic Control and Work Zones 900-999

- SW900 **Work Zone Traffic Control Guidelines (CD-ROM)**

- SW901 Advanced Traffic Analysis (CD-ROM)
- SW902 Introduction to Work Zone Basics and Flagging (CD-ROM)
- SW903 Work Zone Operations: Improving Mobility and Safety on Both Sides of the Barrel. Best Practices Guidebook (Supplement) *Free copies while available
- SW904 Work Zone Operations: Improving Mobility and Safety on Both Sides of the Barrel (CD-ROM)
- SW905 Compendium of Work Zone Research, Development, and Technology Transfer Projects, 1997 to 2002
- SW906 Work Zone Safety – for Roadway Maintenance Operations “RoadSafe”
- SW907 RC Flagger (CD-ROM)
- SW910 Roadside Safety Analysis Program 2003, NCHRP Report 492
- SW911 Road Safety Fundamentals – FHWA, March 2006
This CD contains materials for a course which covers: road safety basics, solving traffic safety problems, traffic control devices, roadway design criteria, improving roadside safety, and intersection safety. Included is a field reference guide, instructor’s notes, movie files, presentation, participant’s notebook, and “Road Safety Fundamentals September 2005”.
[Comment 10/2006: General info on training techniques]
- SW909 Flagger in the Work Zone: Safety in Your Hands (FHWA 11/2005)
- SW920 Driver Education Work Zone Awareness Program
This is a true story of a father and son. Too often kids are left alone because of speeding and distracted drivers in work zones. Why should kids suffer because some people continue to ignore work zone speed limits and laws. Please slow down. (Illinois DOT)
<http://www.dot.state.il.us>
- SW930 Manual on Uniform Traffic Control Devices—2003 Edition
- SW935 Work Zone Training Law Enforcement Course (FHWA 2007)
Pocket guide, Instructors guide, participants workbook, ppt training modules, promotional flyer, website links and other essential information.
- SW940 Basic Traffic Control for Utility Operations – A Modular Course. ATSSA 2002
This CD contains seven powerpoint modules covering traffic control for utility operations.
[Comment 10/2006: General info on training techniques]
- SW941 Basic Traffic Control for Short Duration Activities: A Modular Course (ATSSA 2002)
Provides information on standards and procedures, what protective equipment is necessary and which standards apply to basic traffic control for short duration activities.
- SW950 Roadway Safety+ - Disaster Response (ARTBA 2008)
This software provides information on roadway safety plus various disaster responses. Each program has four training slides with points of what to do for: runovers, operators, flaggers, TTCO’s, nightwork, excavation, electrical, falls, noise, health, outdoors, emergency, safe driving.

Signs and Markings 1000-1999

- SW1000 ND T2 Center Signs for Windows (3.5” Disk)
- SW1001 Sign Inventory & Mgmt System (SIMS) Version 6.0 (3.5” Disk)
- SW1002 Sign Management System (3.5” Disk)
- SW1003 Maintenance of Signs & Sign Supports for Local Roads & Streets (*D*)
- SW1004 Red Light, Green Light
- SW1005 AASHTO 2002 Roadside Design Guide (PP & PP video on CD)
- SW1010 Comprehensive Intersection Resource Library
A compilation of resources about traditional signalized and unsignalized intersections, roundabouts, highway/rail grade crossings, and other nontraditional intersection designs. (US DOT/FHWA)
- SW1011 Comprehensive Intersection Resource Library – Version 3 – CD (FHWA)

2006)

Resources included in this library represent a broad cross section of publications, educational materials and other media published by the Federal Highway Administration and other transportation safety partners. Beyond the initial section with background Information, the library content is organized into five broad categories, including traditional signalized and unsignalized intersections, roundabouts, highway/rail grade crossings, and nontraditional intersection designs such as single-point intersections. The last section provides links to other transportation safety partner web sites for additional information. Please note: some publications on partner web sites are available for purchase only. Purchase information is included in the file, or follow directions to the bookstore on the organization's web site. Amazing amount of resource info!

SW1025 Driver Understanding of Red Retroreflective Raised Pavement Markers (FHWA November 2006)

Guardrails and Barrier 2000-2031

SW2010 Guidelines for the Selection of W-Beam Barrier Terminals (FHWA December 2006)

This CD has been prepared to provide information to designers and to construction/maintenance personnel responsible for selecting and properly installing the most appropriate terminal design at any site. In addition to showing the actual crash performance of each terminal type, this CD provides guidance on proper site grading and presents real-world examples of both appropriate and inappropriate installations.

Liability and Risk Management 2032-2047

Mailboxes and Utility Poles 2048-2099

Train Crossings 2100-2199

ADMINISTRATION

Management 2200-2299

SW2200 Microcomputer Data Management System (MDMS) Version 7.0 (3.5" Disk)

SW2201 MDMS Ver. 5.0 for dBase (3.5" Disk)

Career/Personal Development 2300-2349

SW2300 Beyond the 7 Habits – Stephen R. Covey (audio cd 2003)

SW2301 The Leader in You – Dale Carnegie & Associates, Inc.(audio cd 1994)

SW2302 First Things First (Covey Leadership Institute 1994) Audio Cassette
In these tapes, a dramatically different approach to time management is given. This is a principle-centered approach. It transcends the tradition prescriptions of “faster, harder, and smarter.” Rather than offering you another clock, this approach provides you with a compass- because where you’re headed is more important than how fast you’re going.

SW2307 The Warrior Within: Part I (audio cd 2004)

This powerful program will inspire you to achieve your very best each day by sharing strategies, stories, and skills that will lift you to the next level of your life. Using a framework of Native American wisdom and based on over a decade of experience, this program has been created to motivate you to get more out of life and career by showing you how to get more out of yourself. (Sound Works)

SW2308 The Warrior Within: Part II (audio cd 2004)

This continues from Part I above and contains the same powerful program that will inspire you to achieve your very best each day by sharing strategies, stories, and skills that will lift you to the next level of your life. Using a framework of Native American wisdom and based on over a decade of experience, this program has been created to motivate you to get more out of life and career by showing you how to get more out of yourself. (Sound Works)

SW2320 Core Curriculum Matrix Development
 Contains the work competencies for four levels (Level I – IV) of achievement for five disciplines of highway engineering technicians (Materials Competency, Maintenance Competency, Employment Development, Construction, Safety/Work Zone). Also contains a comprehensive library of technician training references, such as what training is offered and where to get the training. Developed by Transportation Curriculum Coordination Council: FHWA, AASHTO, State DOT's, AGC, ACPA, ARTBA, NAPA, NPHQ (National Highway Institute 2005)

Planning

2350-2399

- SW2350 Preparing for the New Millennium 1999 (CD-ROM)
- SW2351 LTAP Clearinghouse Yearbook 2002
- SW2352 LTAP Clearinghouse Yearbook 2005
- SW2353 Basic Guide for GASB-34 – Phase III Local Governments
- SW2355 Local Government Environmental Management System (EMS) Toolkit (2005)
 This toolkit includes a Windows Media (audio/video file) recording of the webcast called “Environmental Management Systems: A Powerful Tool to Help Local Government Managers and Public Works Directors Minimize Environmental Liability, Increase Efficiency, and Improve Financial Health.” There are also individual PowerPoint presentations of each speaker, a number of publications, and Internet links providing more information about EMS. (APWA/ICMA 2005)
- SW2357 LTAP Clearinghouse Yearbook 1993
- SW2360 Security and Emergency Response Planning Toolbox for Small Water and Wastewater Systems (RCAP December 2005)
 The RCAP Security and Emergency Response Planning Toolbox for Small Water and Wastewater Systems (the “RCAP Security Toolbox”) consists of five core modules, appendices, and introductory text that relates security and emergency preparedness to best practices of system operation and management. The appendices include resources, a glossary, an emergency notification and contact list, eBulletin subscription forms, and powerpoint training presentations.
- SW2365 Safety and the Local Road Opportunity (Sue Miller, Freeborn County, MN Engineer 2/14/08)
 This slide show presentation has the audio of Sue Miller presenting at the roadway Departure Web Conference 2/14/08. It covers various funding mechanisms available for county road funding and planning.
- SW2370 Reduce Congestion Through Access Management (FHWA 2006)
 This primer will address questions a business may have about access management and its effect on business activity and the local economy. It focuses on economic concerns that may arise in response to proposed access changes or policies, including potential impacts on business activity, freight and deliveries, parking for customers, and property or resale value of affected property. Contains report, brochure, and video.

Drug and Alcohol

2400-2419

TRIBAL 2450-2399

METRICATION 2450-2479

SW2450 National Hwy Institute Course – Metric (SI) (3.5”Disk)

RULES AND REGULATIONS 2480-2499

SW2480 Montana Public Works Standard Specifications (CD-ROM)

MISCELLANEOUS**2500-2599**

- SW2502 Rural Challenges and the Applications of Advanced Technology must be a
“Community” Investment FHA (CD-ROM)
- SW2503 Rural Technology and Transportation Systems 1997 International Conference
(CD-ROM)
- SW2504 Transportation Research Thesaurus (CD-ROM)
- SW2505 Compendium of Papers-Institute of Transportation Engineers 2000 District 6
Annual Meeting (CD-ROM)
- SW2506 Transportation Research Board 79th Annual Meeting (CD-ROM)
- SW2507 Transportation in the New millennium (CD-ROM)
- SW2508 Transportation Research Board 80th Annual Meeting (CD-ROM)
- SW2510 TransWrite (Executive Writing Associates 2005)
Writing that works for transportation professionals – DEMO
- SW2540 Region 7- 2010 You Show Us Entries (Better Mousetrap Competition) (CD-
ROM)
Colorado, North Dakota, Nebraska, and South Dakota Entries for 2010 competition.
- SW2550 Falun Dafa

CATALOGS**3000-3499**

- SW3000 Presenting a New Innovation in Driver Safety Training (2004)
This is a demo CD on what FLI Learning Systems, Inc. has to offer. (2004)
- SW3001 Humboldt Catalog #7 – Testing Equipment for Asphalt, Concrete & Soil
(2004)
- SW3002 Humboldt – Roughometer Information (2005)
- SW3003 SpectrPave2 – Tensar Earth Technologies, Inc. (2004)
- SW3010 Montana Transportation Officials & Engineers Directory (ARTBA 2007)
Excel page with addresses and phone numbers of MDT and Montana-based transportation
officials.
- SW3015 2009 NHI Catalog (FHWA, US DOT, & NHI) CD-ROM
The 2009 list of the National Highway Institute courses
- SW3016 2010 NHI Catalog (FHWA, US DOT, & NHI) CD-ROM
The 2010 list of the National Highway Institute courses

ITS/IVHS**3500-3549**

- SW3500 Intelligent Transportation System Awareness (CD-ROM)
- SW3501 A Framework for Integrated Transportation into the 21st Century (CD-ROM)
- SW3503 National ITS Architecture
- SW3504 Orion-Intelligent Transportation for the Twin Cities (CD-ROM)

PROMO

- PROMO U.S. Bridge
- PROMO Erosion Control Materials Design Software 4.3 (*North American Green* 2004)
- PROMO I-285 RCC Sheridan Construction Video (*Portland Concrete Association & Georgia DOT*)
- PROMO The Original HOTTAPE (*Zumar Industries*)
- PROMO The Future of Road Repairs and Utility Trenches (*Asphalt Zipper* 2006)
- PROMO We Build Confidence: An Interactive Virtual Tour (*Utility Vault*)
- PROMO Universal Operations Guide: For Drivers in Paratransit (2005)
- PROMO Flying Eagle Corporation Produce Information: Presentation (2000)
- PROMO Golden Bear Oil Specialties CRF and Reclaimte (2001)

All of the listed publications may be borrowed for two weeks and then returned to the Library. Some publications are free or for a nominal charge upon request.

To order, call or email:

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