

GA DOT



*"Better Roads Through Cooperation"*  
Georgia's Technology  
Transfer Center

VIDEO  
TAPE  
LENDING  
LIBRARY  
2002 CATALOG

The Georgia Technology Transfer  
Center is sponsored by the  
Georgia Department of  
Transportation and the Federal  
Highway Administration

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**Note: pagination is off by one due to addition of cover after layout.**

## LENDING LIBRARY OPERATING PROCEDURES

This library contains various videotapes, interactive compact discs(CD-I) and CD-Roms that are available from the Technology Transfer Center at the Georgia Department of Transportation. The Center is sponsored by the Federal Highway Administration as part of the Local Technical Assistance Program (LTAP) and by the Georgia Department of Transportation.

### LIBRARY FORMAT

The library consists of many titles, covering the areas of transportation and related topics. Nine major categories have been established for ease of use, as listed below.

- 1 Commercial Drivers License
- 2 Compact Disc Interactive
- 3 Design/Construction
- 4 Equipment Operations/Maintenance
- 5 General Interest
- 6 Maintenance/Operations
- 7 Planning/Administration
- 8 Safety/Traffic
- 9 Spanish Language/Training

Each of the items have been assigned a number for easy identification. In the listing that follows, each videotape is described according to the number and title, the videotape length in minutes, and the originating agency. All videos are presented in the ½ inch VHS format and operate on a standard VHS videocassette recorder/player (VCR).

### NUMBER OF TITLES IN EACH CATEGORY

Commercial Drivers License	4
Compact Disc Interactive	13
Design/Construction	66
Equipment Operations/Maintenance	21
General Interest	24
Maintenance/Operation	66
Planning/Administration	21
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## BORROWING PROCEDURES AND FEES

Use this catalog to select the training material which will be mailed to your agency. The material is available to you at NO CHARGE. A maximum of two (2) items may be loaned for a period of two (2) weeks.

Please Mail Your Requests To:  
TECHNOLOGY TRANSFER CENTER  
Georgia Department of Transportation  
276 Memorial Drive, SW  
Atlanta, GA 30303

Or Use Our WATS Number:  
800-573-6445

Or Use Our FAX Number:  
404-463-3564

Or E-mail:  
rick.smith@dot.state.ga.us

## GEORGIA'S LOCAL TECHNICAL ASSISTANCE PROGRAM (LTAP)

The Georgia Department of Transportation and the Federal Highway Administration has played a leading role in helping local government agencies apply new transportation technologies through a broad spectrum of highway research, training and transportation planning activities.

Georgia's LTAP offers four primary types of assistance:

Training Workshops – on topics such as work zone traffic control, asphalt pavement, geographic information systems and management.

Technical Materials – a variety of transportation materials are available for loan, such as research reports, software, training packages and videotapes.

Technical Information Services – a professional staff ready to answer questions or refer inquiries on transportation-related problems, such as pavements, bridges, traffic engineering, and public transportation.

Quarterly Newsletters – with articles on research and training programs and new transportation technologies, listings of available technical materials and assistance, and schedules of training workshops and meetings.

For more information on Georgia's LTAP, call Rick Smith, Program Director at (404) 656-5364 or 800-573-6445 or write to Georgia Department of Transportation, Technology Transfer Center, 276 Memorial Drive, S.W., Atlanta, GA 30303.

# Commercial Drivers License

A seven-part series, on four tapes, to prepare drivers for testing required for the CDL. Tapes designed to be used without instructor but in conjunction with the CDL manual.

**CDL-101 Commercial Drivers License Video Series.**

Part 1: Overview, 13 minutes  
Part 2A: Vehicle Inspection, 27 minutes  
Part 2B: Operating, 40 minutes  
Penn. DOT  
Format: VHS

**CDL-102 Commercial Drivers License Video Series.**

Part 2C: Operating Techniques (continued), 34 minutes  
Part 2D: Vehicle Safety, 22 minutes  
Part 3: Transporting Cargo, 12 minutes  
Part 4: Transporting Passengers, 15 minutes  
Penn. DOT  
Format: VHS

**CDL-103 Commercial Drivers License Video Series.**

Part 2D: Vehicle Safety  
22 minutes  
Penn. DOT  
Format: VHS

**CDL-111 Fit For The Road.**

20 minutes  
FHWA  
Format: VHS

*The intent of this video is to inform examining physicians of the physical and emotional demands placed on commercial motor vehicle drivers and the Federal Highway Administration's medical criteria.*

# Compact Disc Interactive Titles

- CDI-101 Drug & Alcohol Awareness.**  
Training Express Multimedia Training for Truck Drivers  
Format: CD-I  
*Covers alcohol, drugs, and the law; alcohol use and abuse; drug use and abuse; getting help.*
- CDI-102 Hours of Service.**  
Training Express Multimedia Training for Truck Drivers  
Format: CD-I  
*Covers the daily log; the 10 & 15 hours rules; the 60/70 hour rule; regulations & penalties.*
- CDI-103 Backing & Turning.**  
Training Express Multimedia Training for Truck Drivers  
Format: CD-I  
*Covers backing safely; basic maneuvers; advanced maneuvers; right & left turns.*
- CDI-104 Speed Management.**  
Training Express Multimedia Training for Truck Drivers  
Format: CD-I  
*Covers stopping distance; surface conditions; road shape; visibility; traffic flow.*
- CDI-105 Pre-Trip Inspections.**  
Training Express Multimedia Training for Truck Drivers  
Format: CD-I  
*Covers types of inspections; key inspection points; inside the cab; lights, brakes, & coupling system.*
- CDI-106 Hazardous Materials.**  
Training Express Multimedia Training for Truck Drivers  
Format: CD-I  
*Covers the hazardous materials table; shipping papers; placards, marking, & labels; loading & safety.*
- CDI-107 Space Management.**  
Training Express Multimedia Training for Truck Drivers  
Format: CD-I  
*Covers space ahead & behind; space to the sides; space above & below; managing space in traffic.*

- CDI-108 Work Zone Traffic Control**  
AASHTOWare  
Format: CD-I  
Allows viewers to work through three work zones of increasing difficulty to determine what is wrong and what is right about the layout.
- CDI-109 Snow & Ice Control**  
AASHTOWare  
Format: CD-I  
Allows viewers to interact with the program to learn various techniques for proper Snow & Ice Control.
- CDI-110 Motorgrader Operation**  
Format: CD-I  
Two Disc Set
- CDI-111 Straight Talking: The Art of Assertiveness.**  
Video Arts  
Format: CD-I  
A training assistant with discussion leaders guidebook covering assertive behavior, honesty, compromise and strength in negotiation.
- CDI-112 Meetings, Bloody Meetings.**  
Video Arts  
Format: CD-I  
A training assistant with discussion guidebook covering preparation, planning, structure, control and recording of successful meetings.
- CDI-113 The NGA Truck and Bus Data Elements.**  
USDOT  
Format: CD-I

# Design/Control

- D/C-101      Surface Utility Engineering-A Technology for the 90's.**  
13 minutes  
SO-Deep, Inc./FHWA  
Format: VHS  
Stresses the benefits of accurately locating underground utilities.  
Vacuum excavation techniques are shown.
- D/C-102      Timber Bridges: Build Better and Save With Modern Timber  
Bridges**  
22 minutes  
FHWA  
Format: VHS  
This tape discusses the cost effectiveness of modern stressed timber  
bridges, as covered in the May, 1987 Timber Bridge conference.
- D/C-103      Asphalt Concrete Paving Inspection.**  
25 minutes  
IRF  
Format: VHS  
Gives a general overview of hot-mix paving operations and inspection of the  
work. Covers basic responsibilities, paving operations and some common  
problems with paving operations.
- D/C-104      Asphalt Concrete Plant Inspection.**  
25 minutes  
IRF  
Format: VHS  
Five parts: 1. Asphalt mixture, basic mixing process, basic operation of  
asphalt batch plants, and basic operation of dryer drum plants; 2. Material  
controls for aggregates, admixtures, and asphalt; 3. Inspection and controls for  
batch plants; 4. Inspection and controls for dryer drum plants; and 5. Control  
procedures for asphalt mix.
- D/C-105      Chip Seal, Prime, Flush and Tack Coat Inspection.**  
15 minutes  
IRF  
Format: VHS  
The module presents detailed procedures for these surface treatments  
including inspection and controls for materials, equipment and construction.



- D/C-106 Concrete Paving Inspection.**  
20 minutes  
IRF  
Format: VHS  
The module consists of: 1. Inspection of the alignment and grade control, the subgrade preparation, the setting of forms, the preparation of concrete, the lean concrete base; 2. Inspecting the placement and curing of concrete and paving with a slip form paver; 3. Construction inspection of joints, testing and accepting the finish pavement.
- D/C-107 Field Sampling and Testing for Bituminous Construction.**  
40 minutes  
IRF  
Format: VHS  
Four parts: 1. Bituminous mixtures; 2. Procedures for sampling of aggregates, asphalt, and bituminous mixtures; 3. Field testing methods for aggregates, including gradation test, Sand Equivalent Test, Crushed Faces Test, and Flakiness Index Test; and 4. Field testing methods for bituminous mixtures including Particle Coating Test, Extraction Test, Moisture Content Test, Asphalt Retention Test, Rice Test (for determination of the maximum specific gravity of uncompacted mixtures), and Marshal Test.
- D/C-108 Field Sampling and Testing for Concrete Construction.**  
15 minutes  
IRF  
Format: VHS  
Two parts: 1. Introduction and the description of concrete components; 2. Concrete sampling in the field, and test methods for Slump Test, Air Content Test, Comprehensive Strength Test.
- D/C-109 Incidental Concrete Structures Inspection.**  
25 minutes  
IRF  
Format: VHS  
Three Parts: 1. Introduction to incidental concrete structures, the inspection and controls for the plan, the excavation, forms, reinforcing bars; 2. Placement of concrete including slip-form concrete placement and precast concrete; 3. Construction inspection for joints, curing, removing the forms, finishing the surface including Class 1 and Class 2 surfacing, and backfilling.
- D/C-110 Inspecting Pavement Recycling.**  
8 minutes  
IRF  
Format: VHS  
Hot-mix plant recycling is covered, including equipment and plant used for the operation, inspection procedures for pavement preparation, pavement removal, mixing of recycled and new materials, and paving.

- D/C-111 Major Structures Inspection.**  
 56 minutes  
 IRF  
 Format: VHS  
 Five parts: 1. Bridge components; 2. Inspection procedures for bridge foundation including pile and drift shaft piling; 3. Inspection of piers and abutments; 4. Inspection procedures for bridge superstructures including steel girders, precast concrete I-beams, cast-in-place box girders; 5. Inspection of bridge deck construction.
- D/C-112 Unsurfaced Road Inspection.**  
 8 minutes  
 USACRREL  
 Format: VHS  
 This tape is directed at inspectors to ensure they understand the importance of accurate data collection.
- D/C-113 Unsurfaced Road Management.**  
 9 minutes  
 USACRREL  
 Format: VHS  
 Explains how to use the systems for unsurfaced roads and is intended for the county engineer or highway superintendent.
- D/C-114 Hardwood Anyone?**  
 10 minutes  
 Penn. DOT  
 Format: VHS  
 Discusses the advantages of the use of hardwood which is now abundant in the northeastern U.S., and gives specific examples of construction using hardwood.
- D/C-115 Checking Asphalt Distribution Spread Rate., 24 minutes**  
**Seal Coat Inspection., 12 minutes**  
**Traffic Control During Seal Operation.**  
 Idaho DOT  
 Format: VHS
- D/C-117 Seal Coat Inspection.**  
 12 minutes  
 Penn. DOT  
 Format: VHS  
 Loader Operation. Part 1.  
 NMSHD  
 Format: VHS
- D/C-118 Erosion and Sedimentation Control. Part 2-B.**  
 26 minutes  
 GA DOT  
 Format: VHS

- D/C-119 Timber Bridges #2.**  
27:35 minutes  
Penn. DOT  
Format: VHS  
This tape discusses modern timber bridges in terms of cost effectiveness and less time needed to build. Shows how to better utilize hardwoods which are a renewable resource.
- D/C-120 Testing & Field Inspection of Roadway Delineation.**  
35:43 minutes  
FHWA  
Format: VHS  
Assists highway agencies in developing a field inspection program to evaluate roadway delineations throughout the life of the marking. The major emphasis of this tape is on pavement marking.
- D/C-121 Modern Timber Bridges-A New Return for Old New England.**  
16 minutes  
RI DOT  
Format: VHS  
Explains the timber bridge demonstration project in the town of Foster, Rhode Island. Shows how new wood construction technology can meet local transportation needs.
- D/C-122 Bituminous Construction Procedures.**  
45 minutes  
GA DOT  
Format: VHS
- D/C-123 Bituminous Plant Inspection, 2 Parts**  
37 minutes  
WA DOT  
Format: VHS  
Covers the “basics” of bituminous plants and their inspection. Subjects include materials, batch plant operations and drum-mix plants. Targeted to professional engineers and supervisors.
- D/C-124 Bituminous Seal Coat.**  
16 minutes  
WA DOT  
Format: VHS  
Presents in clear terms the materials, equipment, traffic control, and work methods for bituminous seal coats. Targeted to engineers, construction supervisors and workers.

- D/C-125 Hydrated Lime Key to Improved Asphalt Pavements.**  
21 minutes  
NLA  
Format: VHS  
Describes benefits of using hydrated lime in asphalt paving. Hydrated lime is an anti-stripping agent, modifier and filler. It is a stiffening agent which results in reduced cracking and longer durability. It is a more permanent bonding between asphalt and aggregate.
- D/C-126 Pipe Placement.**  
9 minutes  
Penn. DOT  
Format: VHS  
Discusses proper methods of placement of pipes to control flow of water. The goal is to improve quality, productivity, and reduce costs through training.
- D/C-127 Pipe Trench Compaction.**  
8 minutes  
Penn. DOT  
Format: VHS  
Demonstrates importance of good compaction of the backfill placed around the pipe.
- D/C-128 Drainage Pipe Placement.**  
17 minutes  
Penn. DOT  
Format: VHS  
Discussion of proper methods to use in placing drainage pipe. Covers planning, marking, cutting pavement, excavation, placement, backfilling and compaction.
- D/C-129 Aesthetic Bridge Rails and Guardrails**  
7 minutes  
FHWA  
Format: VHS  
This videotape summarizes the crash testing and special features of concrete bridge rails and guardrails.
- D/C-130 Concrete Bridge Railings.**  
14 minutes  
FHWA  
Format: VHS  
Crash test programs have evaluated a variety of bridge railings to determine their performance level. This portion of the video reviews the results of these testing programs.
- The Modified Three Beam Guardrails.**  
8 minutes  
FHWA  
Format: VHS

Similar to the original W-beam guardrail but taller. Much safer for larger vehicle impacts. Only costs a few more dollars per linear foot and there is a reduction in maintenance cost.

**Cable Guard Rails.**

12 minutes

FHWA

Format: VHS

Appropriate for low volume and low speed rural roads. This portion of the video discusses recent research efforts to improve performance and decrease cost.

**D/C-131      Converting to the Metric System. Tape 1.**

2 hours

EPD

Format: VHS

Covers the topics: 1. Why Convert to the Metric System?; 2. Converting to the Metric System in Highway Agencies; 3. Converting to the Metric System in Building Construction.

**D/C-132      Converting to the Metric System. Tape 2.**

77 minutes

EPD

Format: VHS

Panel Discussion Summary.

**D/C-133      Master Builders Concrete Series.**

1 hour, 47 minutes

Master Builders

Format: VHS

Covers the topics: 1. Fibrous Mix; 2. Accelerators; 3. Durability; 4. Testing; 5. Admixtures; 6. Air Entrainment.

**D/C-134      Sealcoating: A Matter of Science and Skill.**

16 minutes

MN LRRB

Format: VHS

Provides maintenance workers with a lesson on how to perform a high quality "chip seal," a sealcoat composed of an asphalt binder followed by a layer of crushed rock. The video presents a clear message on what to do or not do during a seal coating operation. The emphasis is on doing things the right way to achieve high quality results.

**D/C-137      The Clemson Beaver Pond Leveler: One Solution.**

50 minutes

Clemson University

Format: VHS

Shows efforts to suppress flooding caused by natural beaver dams, and improve benefits derived from beaver ponds and associated plant communities.

- D/C-138 Mixture Design: 32nd Annual Bituminous Conference.**  
41 minutes  
MN DOT  
Format: VHS
- D/C-139 Hot Mix Asphalt Construction Promotional Video.**  
11 minutes  
NAPA  
Format: VHS  
Overview of the comprehensive two and one-half day training program for Hot Mix Asphalt Construction. The training program was developed in conjunction with the Federal Highway Administration (FHWA), American Association of Highway Transportation Officials (AASHTO) and private industry represented by the National Asphalt Pavement Association (NAPA).
- D/C-140 OSHA Compliance in Construction.**  
58 minutes  
ID DOT  
Format: VHS  
Construction equipment, excavation, shoring and steel erection, ladders and scaffolding, welding, compressed air, and electricity. Slide presentation converted to a video program.
- D/C-141 Designing for Quality, I 90-94 in Wisconsin.**  
30 minutes  
Format: VHS
- D/C-142 Field-Testing Concrete. Part 2: Slump and Compression Strength.**  
15 minutes  
Penn. DOT  
Format: VHS  
Explains slump tests and cylinder testing.
- D/C-143 Soil Cement Base Construction.**  
2 hours  
GA DOT  
Format: VHS  
Two parts: 1. Pit Management, Plant Operations; 2. Roadway Operations
- D/C-145 Steel Truss Bridge Inspection. Timber Bridge Inspection.**  
Format: VHS
- D/C-146 Inspecting the Asphalt Plant.**  
30 minutes  
GA DOT  
Format: VHS

- D/C-147      Subsurface Utility Engineering - A Proven Solution**  
 16 minutes  
 FHWA  
 Format: VHS  
 This video introduces and encourages consideration of an emerging engineering field known as Subsurface Utility Engineering.
- D/C-150      Quality Assurance of Soil Cement Construction**  
 46 minutes  
 GA DOT  
 Format: VHS
- D/C-151      Soil Cement Base Construction: Roadway Operations**  
 35 minutes  
 GA DOT  
 Format: VHS
- D/C-202      The Roll of Drums. Shake Hands With Danger.**  
 23 minutes  
 Caterpillar  
 Uses short skits and professional actors to show the results of careless equipment maintenance techniques.
- Making the Most of Scrapers.**  
**Elevating Scrapers.**  
**Wheel Tractor Scrapers.**  
 Format: VHS
- D/C-204      Tied Concrete Shoulder: I-20, South Carolina; Cracked Pavement, Minnesota;**  
 Iowa Bonded Overlay  
 ?? minutes  
 Format: VHS
- D/C-207      Testing of Asphalt Cement.**  
**Determination of Asphalt Content in Pavement Mixtures.**  
**Budgeting for Rehabilitation. Aggregate Blends.**  
**Asphalt Emulsion Spray Application.**  
 23 minutes  
 The Asphalt Institute  
 Format: VHS  
 Eight-step chip sealing procedure with illustration of emulsified asphalt "breaking".

- D/C-208 Construction and Materials. Pavement Research. The Road to Better Roads.**  
 40 minutes  
 Format: VHS  
 AASHO  
 Depicts early road tests by AASHO
- D/C-215 Design of Urban Streets. Part 2. Street Design Elements. Parts 2 & 3. Intersection Design Elements.**  
 60 minutes  
 Format: VHS  
 FHWA
- D/C-216 Design of Urban Streets. Part 3. Traffic Signal Design & Operations. Illumination, Signs & Markings. Pedestrians, Bicycles & Transit. Factors Impacting Street Design.**  
 55 minutes  
 Format: VHS  
 FHWA
- D/C-217 Design of Urban Streets. Part 4.**  
 55 minutes  
 Format: VHS  
 FHWA  
 Includes discussion on the issues of Social & Economic Impacts; Environmental Consideration; Project Documentation; and Administration and Management.
- D/C-218 Asphalt Paving Inspection. Pothole Repair**  
 1 hour  
 FHWA  
 Format: VHS  
 Part 1: Preliminary Responsibilities. Part 2: Paving Operation.  
 Part 3: Paving Problems.
- D/C-219 Lime-The Versatile Stabilizer in Construction.**  
 26 minutes  
 NLI  
 Format: VHS  
 This video introduces the use of lime in soil stabilization by illustrating several successful construction projects.



- D/C-220 Asphalt Paving Inspection**  
1 hour  
FHWA  
Format: VHS  
Part 1: Preliminary Responsibilities. Part 2: Paving Operation.  
Part 3: Paving Problems.
- D/C-222 Durability Testing of Concrete and Aggregates/Alkali-Silica Testing.**  
20 minutes  
SHRP  
Format: VHS
- D/C-223 Durability Testing of Concrete and Aggregates/Freeze-Thaw Testing.**  
25 minutes  
SHRP  
Format: VHS
- D/C-224 Quality Control of Concrete On-Site, Part One.**  
14 minutes  
SHRP  
Format: VHS
- D/C-225 Quality Control of Concrete On-Site, Part Two.**  
17 minutes  
SHRP  
Format: VHS
- D/C-226 Quality Control of Concrete On-Site, Part Three.**  
18 minutes  
SHRP  
Format: VHS
- D/C-227 Quality Control of Concrete On-Site, Part Four.**  
18 minutes  
SHRP  
Format: VHS
- D/C-228 Concrete Rehabilitation/Early Opening of Full-Depth Concrete Repairs - Introduction of Rehabilitation of Highway Concrete.**  
10 minutes  
SHRP

Format: VHS

- D/C-229 Concrete Rehabilitation/Early Opening of Full-Depth Concrete Repairs – Concrete Pavement Overlays.**  
22 minutes  
SHRP  
Format: VHS
- D/C-230 Concrete Rehabilitation/Early Opening of Full-Depth Concrete Repairs – Bridge Deck Overlays.**  
19 minutes  
SHRP  
Format: VHS
- D/C-231 Concrete Rehabilitation/Early Opening of Full-Depth Concrete Repairs – Full-Depth Repair of Jointed Concrete Pavement.**  
18 minutes  
SHRP  
Format: VHS
- D/C-232 Concrete Rehabilitation - Early Opening of Full-Depth Concrete Repairs.**  
10 minutes  
SHRP  
Format: VHS
- D/C-233 Concrete Rehabilitation/Early Opening of Full-Depth Concrete Repairs – Partial-Depth Repair of Concrete Pavement.**  
15 minutes  
SHRP  
Format: VHS
- D/C-235 Hot Mix Asphalt is the Best Buy ... All of the Time**  
8 minutes  
NAPA  
Format: VHS
- D/C-236 Ultra-Thin Whitetopping**  
8 minutes  
ACPA/NRMCA  
Format: VHS
- D/C – 240 Bituminous Concrete Paving – Parts I, II, & III**  
45 minutes  
Washington State DOT  
Format: VHS  
Describes three areas of construction inspection: preliminary checks and equipment; Surface preparation and tack coats; and delivery of hot-mix

paving, compaction and final product acceptance. Procedures and inspection requirements are in Accordance with Washington State DOT standards, but general information applies. Suggested audience: construction inspectors.

**D/C - 241 Design & Construction of Extra-High Strength Concrete Bridges**

?? minutes

Texas Transportation Institute

Format: VHS

**D/C - 242 Asphalt Emulsions & Their Uses**

15 minutes

AEMA/ Asphalt Institute

This video addresses new technologies and shows various uses of asphalt emulsions.

**D/C - 243 Building The Notched Wedge Joint**

8 minutes

National Asphalt Pavement Association

Format: VHS

Explores the reasons for the superior performance of the notched wedge joint and Demonstrates its advantages to the paving crew during the construction process. Through graphics and live action, it also shows step-by-step procedures for Paving crews to follow in building the notched wedge joint. Suggested audience: highway superintendents and crews.

**D/C - 244 Fit to Be Tied: Retrofitting, PCC Pavement with Dowel Bars, Dowel Bar Insertion for Load Transfer at Mid Panel Crack Retrofitted Load Transfer Devices**

52 minutes

Washington State DOT

Format: VHS

Title Cont'd Retrofitted Load Transfer Devices. This video covers the rehabilitation and retrofitting of PCC pavement with dowel bars for load transfer

**D/C - 245 Prefabricated Timber Bridge Deck Panels**

10 minutes

USDA Forest Service

Format: VHS

This video illustrates a relatively low cost method for fabrication of timber decks over steel girders using methods developed by county engineer John Smolen.

# EQUIPMENT OPERATIONS/ MAINTENANCE

## **EO/M-101 Rotary Mower Operations.**

30 minutes

NE DOR

Format: VHS

Demonstrates the start-up and shutdown procedures, proper operation, daily checks and the required preventive maintenance.

## **EO/M-103 Introduction to Sieve Analysis.**

32 minutes

Idaho DOT

Format: VHS

## **EO/M-104 Loader-Backhoe Safety-Worker Safety.**

20 minutes

Talus Resources

Format: VHS

Discusses most common accidents, loader and rollover accidents, transporting equipment, utility dangers, color coded field markings and avoiding utility damage.

## **EO/M-105 ROADEO.**

8 minutes

NM DOT

Format: VHS

Explains New Mexico's Equipment Roadeo. An annual event in which equipment operators from six districts compete against each other in skill tests on various types of heavy equipment, including motor graders, frontend loaders, dump trucks, and backhoes. Based on the department's policy concepts of preventative maintenance, safety and proper operation.

## **EO/M-106 Front-End Loader Operation, Part 1.**

19 minutes

IRF

Format: VHS

Instruments and controls are shown and described. Basic uses of the frontend loader, safety procedures, general operating tips, pre-operation checks, how to start the engine, basic maneuvers including driving forward and backward, braking and stopping, and how to shut down the engine are all treated in detail.

## **EO/M-107 Front-End Loader Operation, Part 2**

19 minutes

IRF

Format: VHS

More advanced tasks are demonstrated step-by-step. Operating procedures for efficient loading, stockpiling, digging, rough grading, hauling, demolition, and forklifting are included. Two methods of loading material from a stockpile with a truck, the I-shape method and the Y-shape method are shown. Standard stockpiling, ramp stockpiling, and bin stockpiling are described in detail.

**EO/M-108 How to Get More Out of Your Motorgrader.**

25 minutes

This video provides detailed field demonstrations, with narration, on the use of the motor grader to build and maintain gravel roads, ditches, and slopes.

**Taking Control of Your Motorgrader.**

19 minutes

John Deere Training Center

Format: VHS

This videotape, released by the John Deere Company, provides detailed field demonstrations, with narration on the use of the motorgrader to build and maintain gravel road, ditches, and slopes.

**EO/M-110 Operating Tips for:  
Push-Pull Scrapers; Off-Highway Trucks; Track Tractors  
Loading Logic; Wheel Tractor Scrapers; Track Loaders;  
Wheel Loaders.**

50 minutes

Format: VHS

**EO/M-111 Ditchmaster.**

Lee-Boy.

Asphalt Maintainer.

Rosco Asphaltite Maintainer Pavement.

Format: VHS

**EO/M-112 Motorgrader Operation: Part I & II, Operator Daily  
Maintenance of Motorgrader**

1 hour 6 minutes

IRF/FHWA

Format: VHS

**EO/M-113 Motorgrader Operation, Part 2**

21 minutes

IRF

Format: VHS

Operating procedures for five motorgrader activities are presented: grading a surface, mix and windrowing; spreading; finish grading (including both coarse and fine finishing); ditch cutting; backslope preparation; and ditch cleaning. Each activity is demonstrated in detail by the model operator.

**EO/M-114 Operator Daily Maintenance of Motorgraders.**

21 minutes

FHWA

Format: VHS

General methods and procedures for operator daily maintenance of motorgraders, including prestart, warm-up, operating, and shutdown checks.

**EO/M-115 Operator Daily Maintenance of Asphalt Distributors.**

17 minutes

FHWA

Format: VHS

General methods and procedures for operator daily maintenance of asphalt distributors, including pre-start, warm-up, operating, and shutdown checks.

**EO/M-116 Driver Daily Maintenance of Light Vehicles**

18 minutes

FHWA

Format: VHS

Shows the driver performing proper daily preventive maintenance procedures on light Vehicles such as pick-ups and station wagons and why these procedures are necessary. Detailed maintenance activities from the pre-start to the shut-down check at the end of the day are demonstrated step-by-step.

**EO/M-117 Operator Daily Maintenance of Dump Trucks.**

20 minutes

FHWA

Format: VHS

General methods and procedures for operator daily maintenance of dump trucks, including pre-start, warm-up, operating, and shutdown checks.

**EO/M-118 Operator Daily Maintenance of Front-End Loaders.**

19 minutes

FHWA

Format: VHS

General methods and procedures for operator daily maintenance of frontend loaders, including prestart, warm-up, operating, and shutdown checks.

**EO/M-119 Operator Daily Maintenance of Crawler Tractors.**

21 minutes

FHWA

Format: VHS

General methods and procedures for operator daily maintenance of crawler tractors, including pre-start, warm-up, operating, and shutdown checks.

**EO/M-120 Operator Daily Maintenance of Rollers.**

22 minutes

FHWA

Format: VHS

General methods and procedures for operator daily maintenance of rollers,

including pre-start, warm-up, operating, and shutdown checks.

**EO/M-121 Tilt-Bed Trailers, Parts 1 & 2.**

54 minutes

Washington State DOT

Format: VHS

Part 1 (27 minutes): Emphasizes pre-start inspections, trailer hookup procedures and equipment loading prior to hauling. It also illustrates how to load equipment on a low-bay trailer. Part 2 (27 minutes): Supplements part 1, and features practical hints on trailer towing, unloading procedures, loading and hauling pipe materials. Targeted to equipment operators and truck drivers.

**EO/M-122 Motorgrader Preventive Maintenance.**

12 minutes

NM LTAP

Format: VHS

Preventive maintenance procedures during precheck, start-up, operation, and shutdown.

**EO/M-123 Wheel Loader Operating Techniques.**

VISTA-Start Smart Video

Format: VHS

From tips on how to safely operate in city traffic or how to recover from a side-hill slide, this video is acclaimed to be “the best of the best” and needs to be viewed by operators with all levels of experience.

**EO/M-124 Wheel Loader Walk Around & Inspection.**

VISTA-Start Smart Video

Format: VHS

Designed to help all operators know what to look for when they do a prestart inspection. Catching little problems before they become major repairs saves thousands of dollars,—and that’s a proven fact.

**EO/M-125 Equipment Management Systems Series.**

1 hour, 54 minutes

FHWA/IRF

Format: VHS

***Introduction to Equipment Management Systems-An Overview (19 minutes):*** This program discusses the basics of an equipment management system, including: inventory control, fleet planning, purchasing and replacement, maintenance, parts and supplies management, financial management, and management information for timely decision-making.

***Equipment Inventory (19 minutes):*** This program discusses fleet planning, inventory control and economic replacement, in relation to an equipment management system.

***Equipment Maintenance (19 minutes):*** This program discusses how the effective use of an equipment maintenance subsystem can result in improved maintenance programs, increased shop efficiency, better staffing, and better definition of facility needs.

***Parts and Supplies Management (19 minutes):*** This program outlines the basics of the parts and supplies management system. Included in the

discussion will be: stock numbering and classification, stock selection and levels, parts and supplies inventory management, and fuel management. ***Financial Management (19 minutes)***: This program covers the basics of the financial management subsystem. It discusses cost accounting, budgeting, equipment rental rates, and equipment funds.

***Equipment Management Information Sub-System & EMS Implementation***

***(19 minutes)***: This program covers the basics of the Equipment Management Information System, including: the identification of all output reports; the data required for all EMIS subsystems; and the system necessary to process and maintain all data.

**EO/M-126 Using Snow Plow on Motorgraders**

16 minutes

FHWA/LTAP

Format: VHS

## General Interest

**CDR-114 Hazardous Materials Transportation Training Modules: Compliance & Enforcement.**

**USDOT**

Format: CD-Rom

**IS-101 Idea Store, Volume I.**

8 minutes

Penn. DOT

Format: VHS

Demonstrates innovative practices suggested by public agency personnel. The edition includes ideas on: leveling roads, special hand level, snow plow blade storage, sign identification decal, and standard plans for park benches and other street furniture.

**IS-103 Idea Store, Volume III.**

10 minutes

Penn. DOT

Format: VHS

Demonstrates innovative practices suggested by public agency personnel throughout the country. This edition includes ideas on: different types of lifters for changing plow blades; the proper way to remove and store locking pin on articulated loader from with the cab; a pamphlet on daily maintenance of motorgraders; a yard cleaner for removing metal; the use of precast panelized wall units to eliminate stream erosion; and patching using a box mounted on the front of a motorgrader.



- IS-104**      **Idea Store, Volume IV.**  
10 minutes  
Penn. DOT  
Format: VHS  
Demonstrates innovative practices suggested by public agency personnel throughout the country. This edition includes ideas on: water runoff on rural roads; slush snow and ice buildup on snow removal equipment; road resurfacing; minimizing aggregate loss; use of discarded tires; and portable road closed sign display.
- IS-105**      **Idea Store, Volume V.**  
11 minutes  
Penn. DOT  
Format: VHS  
Demonstrates innovative practices suggested by public agency personnel throughout the country. This edition includes ideas on: use of hard hats, proper tire inflation, publishing safety tips, proper signing, Adopt-A-Sign programs.
- IS-106**      **Idea Store, Volume VI.**  
17 minutes  
Penn. DOT  
Format: VHS  
Demonstrates innovative practices suggested by public agency personnel throughout the country. This edition includes ideas on: wildflowers, Adopt-a-Highway, light cages, fabricated posts, Roads Scholar I & II, signs, brainstorming box and safety packet.
- IS-107**      **Idea Store, Volume VII.**  
10 minutes  
Penn. DOT  
Format: VHS  
Demonstrates innovative practices suggested by public agency personnel throughout the country. This edition includes ideas on: curb scraper, dump truck air foil, timber bridge information, better cylinder wrench, and Delaware/Chester PWA and Their Ideas.
- IS-108**      **Idea Store, Volume VIII.**  
10 minutes  
Penn. DOT  
Format: VHS  
Safety equipment and medical information for the job: the solution a hard hat. Communication: informing the public about snow plows during the winter season on Montana highways. Operation: in garages regarding trucks. Equipment: snow wing cart. Administration: Suggestions and submitting ideas.

- IS-109**      **Idea Store, Volume IX.**  
6 minutes  
Penn. DOT  
Format: VHS  
Focuses on the highway safety issue of preventing backing accidents while using heavy equipment.
- IS-110**      **Privatizing Public Works. Part 1.**  
100 minutes  
Board of Regents University of Wisconsin System  
Format: VHS  
This video explores the issues, processes and consequences of privatizing local public works services. The views of a cross-section of people who either initiate or are affected by privatization are presented. The video provides an analysis of whether privatization of a service is likely to make sense, presents a management perspective of the privatization of local public works services, and presents first hand information from the pioneers of several government privatization projects. Three actual case studies in local government privatization are examined, including a small, medium and large city. The presentation discusses both what worked and what didn't work.
- IS-111**      **Privatizing Public Works. Part 2.**  
90 minutes  
Board of Regents University of Wisconsin System  
Format: VHS  
Continuation of Tape 1.
- IS-113**      **Training: The Obscured Advantage**  
6 minutes  
Format: VHS
- IS-114**      **The New Telecommunications Act and Its Impact on Cities**  
American Public Works Association  
Format: VHS  
Tape 1 of 3 (90 minutes)  
Because telecommunications services and companies are now available in most geographical areas of the United States, the Telecommunications Act of 1996 ensures active competition that will benefit the consumer. The Act also removes as much regulation of telecommunications providers as possible and allows the Federal Communications Commission (FCC) to implement and specify the details of the policy. This satellite videoconference will cover the entire spectrum of topics from the nuts and bolts of what the Telecommunications Act of 1996 means to local governments; to what the law really means for cities. Case studies of communities that have already succeeded or failed in their involvement with the new legislation will be detailed. In addition, complex topics such as the "barriers to entry" provision, franchises, and Public Education and Government (PEG) access will

be addressed.

**IS-115      **The New Telecommunications Act and Its Impact on Cities****

American Public Works Association

Format: VHS

Tape 2 of 3 (90 minutes)

Continuation of Tape 1.

**IS-116      **The New Telecommunications Act and Its Impact on Cities****

American Public Works Association

Format: VHS

Tape 3 of 3 (50 minutes)

Continuation of Tape 2.

**IS-117      **GA DOT Metric Training – Tape 1.****

GA DOT

Format: VHS

Ga. Department of Transportation's own Dickey Forester takes viewers on a quick and sometimes humorous tour of the historic efforts to standardize measurements.

**IS-118      **GA DOT Metric Training – Tape 2 – Lesson 1.****

GA DOT

Format: VHS

*Viewers will:*

- (a) Learn why so many American companies are converting to metric
- (b) Be able to describe the history of metrics
- (c) Describe four common basic metric units
  - meter
  - kilogram
  - liter
  - degrees Celsius
- (d) Know most commonly used metric prefixes used today

**IS-119      **GA DOT Metric Training – Tape 3 – Lesson 2.****

GA DOT

Format: VHS

*Viewers will:*

- (a) Know what SI stands for and the 7 base units
- (b) Understand two basic units and their common prefixes
- (c) Describe the standard for measuring length – the meter
- (d) Describe the standard for measuring mass – the kilogram
- (e) Learn about the derived units for measuring pressure and stress – newton and pascal
- (f) Learn about the common units for degrees Celsius
- (g) Learn about the common units for measuring volume and area

**IS-120**      **GA DOT Metric Training – Tape 4 – Lesson 3.**  
GA DOT  
Format: VHS  
*Viewers will:*  
(a)      Know how to correctly read and write SI units  
(b)      Use upper and lower case SI symbols  
(c)      Use powers of 10  
(d)      Use most common prefixes  
(e)      Know the value of spacing and number/letter placement  
(f)      Singular and plural usage  
(g)      The importance of separating digits and the proper techniques

**IS-121**      **GA DOT Metric Training – Tape 5 – Lesson 5.**  
GA DOT  
Format: VHS  
*Viewers will:*  
(a)      Convert English measurements to Metric  
(b)      Know the distinctions between HARD and SOFT conversions  
(c)      Know the importance of significant digits  
(d)      Know how to determine the precision of the conversion

**IS-122**      **GA DOT Metric Training – Tape 6 – Lesson 6.**  
GA DOT  
Format: VHS  
*Viewers will:*  
(a)      Know how to use and read correct conversion tables  
(b)      Apply correct conversion factor  
(c)      Know how to round numbers  
(d)      Convert degrees C to degrees F and vice versa  
(e)      How to use estimation to avoid calculation errors

**IS-123**      **Environmental Protection Issues**  
NCHRP  
15 minutes  
Format: VHS

**VBT-100**      **Small Fleet Management in Public Works**  
APWA  
Format: VHS  
*This video based program is designed for small fleet managers, equipment supervisors and others involved in the maintenance of fleets up to 300 vehicles.*  
TOPICS INCLUDE:  
Responsibilities of the Small Fleet Manager  
Equipment Procurement  
Evaluating your Shop  
Work Scheduling  
Contracting Commercial Repairs  
Special Topics

**VBT-101    Communicating Your Public Works Image with Power**

APWA

Format: VHS

*This video based program is designed to educate public works officials, city managers, and commissioners and other government leaders concerned with enhancing their image in the community and creating a better public relations environment.*

TOPICS INCLUDE:

Communicating Your Public Works Image

Using the Media: The Most Efficient and Affordable Community Relations

Vehicle for Public Works Agencies

News Media Interviewers

Writing for the Media

The Art of Mastering Tough Trick or Hostile Questions

## Maintenance/Operations

**M/O-101    Pavement Structure Repair Techniques, Program 2.**

21 minutes

NCITRE

Format: VHS

Use of motorgrader for reshaping of shoulders, or for low or high shoulder repair.

**M/O-102    Pothole Repair in Asphalt Concrete Pavement.**

13 minutes

IRF

Format: VHS

Potholes must be repaired quickly because they are a safety hazard. They damage vehicles and quickly lead to further, more serious road damage. Done correctly, the repair will last a long time. Done poorly, it can soon become a growing expense. Through a detailed nine-step procedure using proper materials, tools and equipment, the tape shows and explains how to do each step correctly and efficiently, with the result of a long-lasting repair. Special emphasis is placed on the proper shaping of the repair and the compaction of the mix.

**M/O-103    Guardrail Installation and Repair.**

20 minutes

Alaska T2/NWT2C

Format: VHS

This tape was created from a presentation by Mr. Don Gripne of WS DOT

at the 1989 Road and Street Maintenance School. It points to the evolution of guardrail standards, the elements of guardrail standards, and elements of a typical W-beam guardrail and its proper installation. It covers the treatment of guardrail ends and guardrail standard sections.

**M/O-104 Maintaining A Safe Roadside.**

30 minutes  
State of Colorado  
Format: VHS

**M/O-105 Technical Advancements For Maintenance Workers.**

15 minutes  
SHRP  
Format: VHS  
Describes for maintenance managers and work crews the development of new materials, equipment, and procedures to help maintenance workers operate more efficiently and safely

**M/O-106 Road Oyl: Resin Modified Emulsion.**

Soil Stabilization Company, Inc.  
Format: VHS

**M/O-107 Cost Analysis: Recycling Procedures.**

Format: VHS

**M/O-108 Concrete Bridge Protection, Repair and Rehabilitation.**

5 minutes  
SHRP  
Format: VHS  
Outlines test procedures for detection of chloride contamination conditions and summarizes procedures for removal of contaminated concrete from bridges, rapid repair and protection measures, and new and conventional rehabilitation methods for substructures and superstructures.

**M/O-109 SUPERPAVE - Asphalt Pavements That Perform.**

5 minutes  
SHRP  
Format: VHS  
Benefits of performance-based asphalt specifications.

**M/O-110 Asphalt Crack Treatment.**

15 minutes  
MN LRRB/MN DOT  
Format: VHS  
A road crew supervisor introduces asphalt crack treatments to his coworker who has been reading up on the latest research on crack treatments. Describes how cracks are created and the difference between sealing and filling cracks. Minnesota transportation agency personnel also explain the equipment and procedures they used to treat cracks in asphalt.

- M/O-111    Pavement Repair: Do the Right Thing at the Right Time.**  
 21 minutes  
 MN LRRB/MN DOT  
 Format: VHS  
 A local homeowner walks the viewer through the basics of pavement maintenance. He explains in nontechnical terms why asphalt pavements break up; the consequences of broken pavement; how local transportation agencies gather data on roads (condition inventory, testing, maintenance history and traffic studies); and alternatives for pavement rehab seal coating, overlay, and reconstruction. He outlines these alternatives: do nothing, patch, Cleaning and Clearing of Bridges.
- M/O-112    Finding Better Ways.**  
 19 minutes  
 SHRP  
 Format: VHS  
 New research into cost-effective pavement repairs. Reduce costs and improve repairs on testing, pot holes and spalling, crack sealing, joint filling seal. Highlights extended life and speedy repair times.
- M/O-113    Crack Repair in Asphalt Pavement.**  
 11 minutes  
 IRF  
 Format: VHS  
 Repair procedures are shown for linear and alligator cracks from three to twelve millimeters wide. The correct work steps are described in detail. Proper hand tools and equipment designed to do the job best are shown. Materials for filling and sealing the cracks are also presented. Actual repairs of linear cracks and area cracks are demonstrated.  
**Asphalt Crack Treatment.**  
 15 minutes  
 MN DOT  
 Format: VHS  
 A well presented program, which can be used with general audiences, on the crack treatment program used by Minnesota DOT. Routing, hot lance blowout, and sealing (with overbanding) is the combination of methods used.
- M/O-114    New Technology for Old Roads.**  
 9 minutes  
 HIP Recycling  
 Format: VHS
- M/O-116    Brash Test.**  
 EZ Erect.  
 Small Sign Supports.  
 Format: VHS

- M/O-117 Upgrading Gravel Roads: A New Approach.**  
21 minutes  
MSFTD  
Format: VHS  
Demonstrates the techniques and cost evaluation of upgrading rural gravel roads. This tape is directed at the problems that low maintenance budget counties face in keeping the roads in good condition. Techniques for some types of maintenance are also discussed.
- M/O-118 Roadway Maintenance Cost Analysis, Parts 1 & 2.**  
Format: VHS
- M/O-119 Roadway Maintenance Cost Analysis, Parts 3 & 4.**  
Format: VHS
- M/O-120 The Snow Fighters.**  
24 minutes  
The Salt Institute  
Format: VHS  
Depicts the recommended procedure and application of salt to fight snow on highways and city streets.
- M/O-121 Dust Control, 1989.**  
16 minutes  
The Dow Chemical Company  
Format: VHS  
Using Liquidow Calcium Chloride to control dust and reduce maintenance cost.
- M/O-122 Portland Cement Concrete Field Sampling & Testing.**  
27 minutes  
Utah DOT  
Format: VHS  
Illustrates techniques described by AASHTO in the sampling and testing of Portland Cement Concrete. The tests include: air (pressure method), slump, yield, casting of cylinders for compressive strength, making of beams for flexural strength, ball and chance indicator for entrained air.
- M/O-124 Video Transfer #5.**  
PCA  
Format: VHS
- M/O-125 Video Transfer #8.**  
PCA  
Format: VHS  
Discusses recycling continuously reinforced concrete pavement on I-29 in North Dakota.



- M/O-126 Video Transfer #10.**  
PCA  
Format: VHS
- M/O-127 Effects of Tire Pressure on Pavement Distress: 52nd Annual Bituminous Conference.**  
24 minutes  
MN DOT  
Format: VHS
- M/O-129 Roadway Testing Technician: "Soils Testing".**  
GA DOT  
Format: VHS
- M/O-130 Chemical & Physical Testing of Portland Cement, Parts 1 & 2.**  
GA DOT  
Format: VHS
- M/O-131 Asphalt Extraction Testing.**  
17 minutes  
GA DOT  
Format: VHS
- M/O-132 Video Transfer #1: Minnesota I-90 Recycling.**  
16 minutes  
PCA  
Format: VHS
- M/O-133 Pavement Deterioration, Ratings. Types of Pavement & Crack Sealing.**  
Format: VHS
- M/O-134 Techniques for Pavement Maintenance and Rehabilitation Using Asphalt, Part 3.**  
Format: VHS
- M/O-135 Blading Unpaved Roads.**  
22 minutes  
FHWA/NACE  
Format: VHS  
This tape is for the motorgrader operator. It demonstrates the basics of maintaining unpaved roads by complementing the NACE book on blading. Covers the proper cleaning and clearing of bridges, including equipment needed and procedures to follow.

- M/O-136 Common Maintenance Problems and Causes.**  
21 minutes  
FHWA  
Format: VHS  
Presentation covers maintenance on pavement surfaces, bridges and roadside areas. Program identifies main causes of problems, and guides participants to do the maintenance work.
- M/O-137 Smoothing and Reshaping of Earth and Gravel Roads.**  
20 minutes  
IRF  
Format: VHS  
Regularly scheduled smoothing and reshaping will keep earth and gravel roads in good condition and reduce the need for major high cost repairs. This video tape has two parts: 1. Smoothing and 2. Reshaping. Each part has an equipment requirement, and overview of work steps, the work steps in detail, and a work step summary. Considerations for planning and preparing for the work are treated. Procedures for checking the road cross slope at straight and curved road sections are also presented.
- M/O-138 Patching Unpaved Roads.**  
11 minutes  
IRF  
Format: VHS  
This is a manual method of maintenance for repairing surface defects such as potholes, ruts, gullies and soft spots on unpaved roads. The module describes an eight-step maintenance procedure to provide a long lasting repair. Proper maintenance practices for preparing the hole, filling it with granular material and compacting the material are shown in detail. A quick test for moisture content of the material at the site is also described.
- M/O-139 Regraveling.**  
18 minutes  
IRF  
Format: VHS  
A major maintenance operation to restore the wearing course of gravel roads is presented in detail. Necessary repairs of the road and drainage system before regraveling are discussed. Equipment, materials, and procedures for regraveling are clearly described. The procedures include: traffic control, reshaping and compacting the subgrade, hauling and placing the granular material, and compacting the granular material. Methods for checking the road cross slope and quick testing of the material's moisture content are also shown.
- M/O-140 Rural Roads: A New Approach.**  
27 minutes  
Montana DOT  
Format: VHS  
This video tape covers road repair using filter fabrics, strengthening old bridges, and flame straightening on steel bridges.

**M/O-141     **Single & Multiple Surface Treatments.****

14 minutes

IRF

Format: VHS

Gives the “What”, the “Why”, and the “How” in construction of successful surface treatments on unpaved and paved *roads*. *It covers* good construction practices in eight detailed work steps. The preparation of the surface testing of the asphalt is discussed. Materials required for surface treatments are presented. Proper procedures for applying the asphalt, spreading the aggregate, and compacting the aggregate are demonstrated. Construction of smooth transverse and longitudinal joints is also described.

**M/O-142     **Crack Repair in Asphalt Pavement.****

12 minutes

IRF

Format: VHS

Repair procedures are shown for linear and alligator cracks from three to twelve millimeters wide. The correct work steps are described in detail. Proper hand tools and equipment designed to do the job best are shown. Materials for filling and sealing the cracks are also presented. Actual repairs of linear cracks and area cracks are demonstrated.

**M/O-144     **Cleaning and Clearing of Bridges.****

14 minutes

FHWA

Format: VHS

Shows the proper cleaning and clearing of bridges, including equipment needed and procedures to follow.

**M/O-145     **Cleaning of Lined Ditches, Culverts and Catch Basins.****

16 minutes

FHWA

Format: VHS

Proper procedures for manual cleaning of lined ditches, culverts and catch basins are demonstrated in this videotape. Procedure consists of placing traffic signs, assigning the work, removing and disposing of all debris and obstructions, inspecting for damage and minor repairs, cleaning the worksite, and removing signs.

**M/O-146     **Concrete Bridge Deck Repair.****

18 minutes

FHWA

Format: VHS

This tape focuses on the permanent repair of partial and full depth holes in concrete bridge decks, including equipment needed and procedures to follow.

**M/O-147 Mechanical Cleaning of Unlined Ditches.**

20 minutes

FHWA

Format: VHS

Mechanical cleaning procedures with a motorgrader and an excavator.

**M/O-148 Replenishing Earth and Gravel Shoulders.**

19 minutes

IRF

Format: VHS

Nine maintenance work steps to restore the unpaved shoulder by adding new material are shown in the module. Proper procedures are fully presented for preparing the existing shoulder surface before adding additional material, placing and spreading additional material, and compacting the material. Equipment and material required to do the job best are discussed, as well as proper use of equipment.

**M/O-149 Reshaping Earth and Gravel Shoulders.**

15 minutes

IRF

Format: VHS

This videotape shows the proper procedures for reshaping earth and gravel shoulders (without adding material) to correct shoulder drop-off, rutting buildup of material and excessive weed growth and to maintain a safe shoulder with proper cross slope.

**M/O-150 Winning Moves in Maintenance.**

16 minutes

Caterpillar

Format: VHS

Offers practical, common-sense ideas, gained from interviews, with successful contractors and service specialists. It emphasizes the necessity of record-keeping, proper training, and preventative maintenance.

**M/O-151 Creating Meadows Through Road Maintenance and Construction.**

8 minutes

USDA Forest Service

Format: VHS

Discusses restoration of water tables by improving drainage and reducing runoff.

**M/O-152 Maintaining Granular Surface Roads.  
Snow Removal on Iowa's Secondary Roads.**

- M/O-153 Pothole Repair in Surface Treatment Pavement.**  
 13 minutes  
 IRF  
 Format: VHS  
 Describes how to repair potholes in surface treatment pavement using granular material.
- M/O-154 Upgrading Gravel Roads: A New Approach.**  
 21 minutes  
 MSFTD  
 Format: VHS  
 Demonstrates the techniques and cost evaluation of upgrading rural gravel roads. This tape is directed at the problems that low maintenance budget counties face in keeping the roads in good condition. Techniques for some types of maintenance are also discussed.  
**Rural Roads: A New Approach.**  
 27 minutes  
 Montana DOT  
 Format: VHS
- M/O-155 Handling and Stockpiling Crushed Stone Aggregates.**  
 21 minutes  
 GCSA  
 Format: VHS
- M/O-156 Problems With Gravel Roads.**  
 55 minutes  
 FHWA  
 Format: VHS  
 Part 1: Environment and Materials. Part 2: Problems: Causes, Prevention and Correction (corrugation, loss of material, rutting). Part 3: Maintenance Equipment and Techniques.
- M/O-157 Asphalt Roadway Rehabilitation.**  
 6 minutes  
 FHWA  
 Format: VHS  
 This video describes the LTAP training course for local road officials that instructs how to analyze rehabilitation alternatives. Utilizes a lecture format.
- M/O-158 Sign Maintenance and Installation.**  
 27 minutes  
 FHWA  
 Format: VHS  
 The sign maintenance and installation procedures of Riley County, Kansas are used to illustrate good practices. This would be a good program for maintenance crews to view and discuss in relation to their own operation.

- M/O-159    Chip Seal Application.**  
 40 minutes  
 FHWA  
 Format: VHS  
 Part 1: All pre-placement concerns. Part 2: Chip seal procedures.  
 Part 3: Chip seal problems.
- M/O-161    Anti-Icing For Maintenance Personnel.**  
 13 minutes  
 FHWA/CRREL  
 Format: VHS  
 A general discussion of anti-icing in terms of material, equipment, strategy, and personnel. Might be used to introduce the topic of anti-icing to public works personnel.
- M/O-162    Stone Matrix Asphalt of Olympic Proportions.**  
 11 minutes  
 Format: VHS  
 GA DOT
- M/O-163    What is Anti-Icing?**  
 8 minutes  
 FHWA  
 Format: VHS  
 Shows how cost effective anti-icing techniques can keep roads passable for longer periods of time. Defines differences between deicing and anti-icing.
- M/O-164    Understanding Superpave Mix Design.**  
 Format: VHS  
 This video was jointly developed by the Federal Highway Administration (FHWA) and the National Asphalt Pavement Association (NAPA). It provides a brief, yet excellent overview of the Superior Performing Asphalt Pavement (Superpave) process for designing hot mix asphalt pavements. This Superpave video describes the new asphalt binder specification based on performance and the equipment used for the specification as well as the new asphalt mixture design and analysis process.
- M/O-165    Snow and Ice Control.**  
 60 minutes  
 IL DOT  
 Format: VHS  
 Part 1: Reversible, one-way, and 'V' plows; Hookup: disconnect, and blade replacement. Part 2: Tailgate and hopper box spreaders. Part 3: Pre-trip inspection. Part 4: Plowing and spreading techniques.
- M/O-166    Innovative Tumbleweed Removal.**  
 New Mexico Local Technical Assistance Program  
 Format: VHS

**M/O-168 Utility Cuts In Paved Roads - Parts 1 & 2.**

41 minutes  
MN DOT  
Format: VHS

**M/O-169 Comcore Roadplate System.**

15 minutes  
Comcore Utilities Products  
Format: VHS

**M/O-170 Contract Maintenance Series.**

60 minutes  
FHWA/IRF  
Format: VHS  
Contract Maintenance-Overview (20 minutes); Contract Maintenance-Procedures (20 minutes); Contract Maintenance-Supervision (20 minutes): This program covers contract maintenance, what it is and why it is used. Maintenance contracting programs are used to improve the effectiveness of maintenance while accommodating reductions in public employment, to better control rising costs, to meet changing demands, and to improve cost effectiveness.

**M/O-171 Low Volume Roads Series.**

38 minutes  
FHWA/IRF  
Format: VHS  
Setting Maintenance Priorities for Low-Volume Roads (19 minutes): This program covers the basics of setting maintenance priorities for rural roads. The key goals of a maintenance program are: reduce road deterioration, limit vehicle operating costs, and keep roads open. A classification system can be used to set maintenance priorities. Managing Maintenance for Low-Volume Roads (19 minutes): This program covers the basics of managing maintenance for low-volume roads. Management of maintenance programs must address the typical maintenance problems associated with gravel roads, maintenance activities, road and bridge inventory, work planning, labor or equipment programming, scheduling, budgeting, and work monitoring and control.

**M/O-172 Bridge Evaluation and Posting**

38 minutes  
FHWA

**M/O - 175 Dura Patched: Patching Only**

15 minutes  
Video Images  
Format: VHS  
The video demonstrates the DuraPatcher System that is used for patching potholes, using aggregates and asphalt emulsion

**M/O - 176 Protecting Our Pavements: Preventative Maintenance**

14 minutes

FHWA/Michigan DOT

Format: VHS

Discusses preventive pavement maintenance, specifically techniques and training, improved planning methods and dedicated funding

**M/O - 177 Innovative Pavement Maintenance Technology**

5 minutes

SHRP

**M/O - 178 Maintaining Asphalt Roads - Blade Patching**

12 minutes

New Mexico State Highway & Transportation Dept Training Academy

Illustrates the process of blade patching. Process involves cleaning and preparing the surface to be patched, laying material, lifts, tapers, compaction, final rolling and clean up. Suggested audience: Highway superintendents and crews

**M/O - 179 The Importance of Road Drainage**

19 minutes

FHWA/LTAP

Format: VHS

Gives basic information on drainage including the need for drainage, maintenance, inspection, and some legal issues. Suggested audience: Highway superintendents and crews, municipal officials.

**M/O - 180 Retrofitted Load Transfer Devices**

6 minutes

Indiana DOT/ Keystone Engineering

Format: VHS

Case study of a procedure to repair cracked concrete pavement on an interstate roadway.

Goes through the procedures step by step from milling the surface slots to setting

rebar in the slots. No results are presented.

**M/O - 181 Carbide Grinding**

14 minutes

Indiana DOT/Keystone Engineering

Format: VHS

Promotional video showing the Keystone engineering carbide tipped pavement grinder. To increase slip resistance on roadways, small grooves are cut in the pavement. The Keystone system is compared to the diamond blade grinder and different cutting patterns are demonstrated

**M/O - 182 Shoulder Building**

29 minutes

Georgia DOT



Format: V This video acquaints the viewer with the process of building shoulders in a safe environment. Although mainly directed toward Department employees, local government employees will benefit from the material presented.

**M/O - 182 Shoulder Building**

32 minutes

Georgia DOT

Format: VHS

This video acquaints the viewer with the process of edge rut repair in a safe environment. Although mainly directed toward Department employees, local government employees will benefit from the material presented.

## Planning/Administration

**P/A-102 Road Management Systems.**

6 minutes

USACRREL

Format: VHS

This tape is directed at management level personnel and explains the benefits of a management system.

**P/A-103 Pavement Management Systems for Local Administrators.**

17 minutes

U.S. DOT/FHWA

Format: VHS

Overview of requirements and expected benefits of a Pavement Management System. The use of a computer is assumed.

**P/A-104 Paving the Way for Tomorrow's Highways.**

16 minutes

SHRP

Format: VHS

Details of SHRP's research program and expected research products.

**P/A-105 Rural Technical Assistance Program (RTAP).**

10 minutes

FHWA

Format: VHS

This tape explains the benefits that an agency can receive from the Technology Transfer Program. Examples are given of assistance received by agencies from various activities of individual centers.

**P/A-106 Agri-Access Network.**

22 minutes

FHWA/Penn. DOT

Format: VHS

Describes Penn. DOT's experience in identifying those roads most important to the transportation of agricultural commodities in two counties. The information gathered enables the state to determine which road and bridge improvement projects will provide the greatest economic benefits to the agricultural and rural communities.

**P/A-107 Open Roads: A Look at Freeway Incident Management.**

18 minutes

FHWA

Format: VHS

Presents in nontechnical language the current state-of-the practice of freeway incident management. It is intended for viewing by top-level management, elected officials, citizen groups and other interested parties. Through an effective mix of animation, special effects, on-camera interviews and real-world video footage, this video depicts the severity of the incident problem, then offers effective and practical solutions. It deals with incident management strategies for both urban and rural problems.

**P/A-108 Surface Condition Rating System.**

30 minutes

MN DOT

Format: VHS

Minnesota method of rating highway surfaces. An accompanying "Field Guide" is available for loan.

**P/A-109 Pavement Management Systems.**

5 minutes

FHWA/Army Corps of Engineers

Format: VHS

Directed at management level personnel and explains the benefits of a management system.

**P/A-110 Implementing a Maintenance Management System.**

35 minutes

FHWA

Format: VHS

Discusses criteria for implementing a maintenance management system, including objectives, definitions of work activities, resources, budgets and evaluating performance.

**P/A-111 The Winners-The Losers.**

13 minutes  
Caterpillar  
Format: VHS  
This film demonstrates good lift truck operation as well as showing some of the consequences of incorrect practices.

**P/A-112      **Right Before Your Eyes.****

10 minutes  
ATSSA  
Format: VHS  
General presentation on the need for good pavement markings. Good for public awareness presentation.

**P/A-113      **4R Conference & Road Show: Attendees.****

8:43 minutes  
New Orient Media, Inc.  
Format: VHS

**P/A-114      **Drug Abuse at Work-Employee.****

GA DOT  
Format: VHS

**P/A-115      **Down Is UP.****

Format: VHS

**P/A-116      **Caution, Litigation Ahead: “The Road to Effective Risk Management.”****

25 minutes  
FHWA  
Format: VHS  
Discusses the reasons for establishing a risk management program and how such a program might function.

**P/A-117      **AEMA Paving the Way...to the 21st Century.****

11 minutes  
NTSC  
Format: VHS  
Promotional program for asphalt emulsion use. Provides an answer to the question “What is asphalt emulsion?” Audiences should have some knowledge of paving practices.

**P/A-118      **Livable Neighborhoods: Rethinking Residential Streets.****

3 hours  
APWA  
Format: VHS  
The discussion will include the philosophy, processes, and politics that municipal engineers may overlook when neighborhoods request their help in making their neighborhoods “a better place to live.” The panel includes a traffic calming planner who challenges the traditional municipal engineering view of residential street use and design, a crime prevention specialist who

helped lead Houston's neighborhood crime prevention through environmental design efforts, a public works director who must balance and integrate traffic calming efforts with other public works programs and department priorities, and a mayor from a community that has an active crime prevention and traffic calming program.

**P/A-119 Construction Management Systems Series.**

1 hour, 35 minutes

FHWA/IRF

Format: VHS

***Construction Management System Overview (19 minutes):*** This program provides a basic overview of a typical construction management system or CMS, identifies the basic functions of construction management, and presents information on how to develop a construction management system.

***Construction Management System Planning (19 minutes):*** This program discusses the planning element of designing a construction management system, including how to estimate the total manpower and other resources required to perform field construction management functions.

***Developing Contract Staffing Guidelines and Planning Values (19 minutes):*** This program covers the development of contract staffing guidelines and planning values.

***Manpower Budgeting and Scheduling Procedures (19 minutes):*** This program covers the procedures for manpower budgeting and scheduling.

***Management System Monitoring and Updating Procedures (19 minutes):***

This course covers the procedures for system monitoring and updating.

**P/A-120 Technology Transfer Series.**

43 minutes

FHWA/IRF

Format: VHS

***Effective Technology Transfer (19 minutes):*** This program covers the proper steps for effective technology transfer. Technology transfer is the process by which research findings and new technology are transferred into useful products and programs. There are six basic steps in the selection process and five key requirements for adoption of new technology.

***Establishing an Effective Technology Transfer Program (24 minutes):*** This program covers the basic procedures for establishing an effective technology transfer program including the planning process, organizing the program and implementing the program.

**P/A-121 Highway Management Series (Tape 1).**

1 hour, 27 minutes

FHWA/IRF

Format: VHS

Highway Management Systems-Introduction (20 minutes); Pavement Management Systems-An Overview (21 minutes); Pavement Management Systems-Data Collection and Management (23 minutes); Pavement Management Systems-Development and Implementation (23 minutes):

This program defines work authorization and scheduling. Levels of scheduling, work load distribution, and scheduling procedures will also be discussed.

**P/A-122 Highway Management Series (Tape 2).**

1 hour, 41 minutes

FHWA/IRF

Format: VHS

Maintenance Management Systems-An Overview (20 minutes); Maintenance Management Systems-Developing Maintenance Standards (22 minutes); Maintenance Management Systems-Work Planning Process (22 minutes); Maintenance Management Systems-Work Authorization and Scheduling (19 minutes); Maintenance Management Systems-Work Reporting and Evaluation (18 minutes): This program defines work authorization and scheduling. Levels of scheduling, work load distribution, and scheduling procedures will also be discussed.

**P/A - 123 Advanced Transportation Management System**

14 minutes

GA DOT

Format: VHS

**P/A - 124 Smart Moves: A Decision-Maker's Video on the Intelligent Transportation Infrastructure**

10 minutes

FHWA

Format: VHS

Present the design and resulting system of three different ITS programs that combine advanced technology with traffic systems.

**P/A - 125 Transportation Librarians: Partners in Technology Transfer**

11 minutes

MN DOT

Format: VHS

Cutting edge information, research and technology are at the fingertips of the transportation librarians. This video describes what they can do for you and the tools at their disposal.

**P/A - 126 Tribal Transportation Planning: A vision of A Better Tribal Transportation**

15 minutes

ACOMA Pueblo New Mexico

Format: VHS

**P/A - 127 Training the Trainer: Turning Field Experts into Experts in the Classroom**

31 minutes

NC LTAP  
Format: VHS

**P/A - 128 Torts are Everybody's Business**

5 minutes

Penn DOT

Format: VHS

Discusses how all employees in a public work operation can be affected by civil suits against them or their municipalities. Suggested audience: highway superintendents, municipal officials, and public work staff.

**P/A - 129 EMS: Equipment Management Systems**

17 minutes

FHWA

Format: VHS

Discusses how to control fleet vehicle cost, advantages of systemic management of equipment resources by using a computerized process, benefits of an EMS, and the elements of an EMS. Even if you are not yet computerized, the information is useful. Suggested audience: highway superintendents and municipal officials.

**P/A - 130 Local Government on Trail Part 2: The Trial**

90 minutes

Penn Local Roads Program

Format: VHS

(See Part 1 description.) Part 2 depicts the trial. What to expect if you are involved in a trial, including jury selection, opening statements, attorney presentation, witnesses, and cross examination. Suggested audience: highway superintendents and municipal officials.

**P/A - 131 Local Government on Trail Part 1: The Background**

41 minutes

Penn Local Roads Program

Format: VHS

Demonstrates the various aspects of a court case involving a contractor and a township in Pennsylvania when an accident occurs on a roadway. Shows how the case develops from the time of the accident through the complaint, discovery process, jury trial, and outcome. The township, which has 28 miles of road, is representative of any rural municipality. The program will familiarize public work officials with legal and court procedures they would encounter in a lawsuit. Part 1 sets the scene. Part 2 begins the trial.

**P/A - 132 Air Quality Conformity in Transportation Planning**

20 minutes

ZAPATA Engineering

# Safety/Traffic

Format: VHS

Describes the regulations of the Clean Air Act, and the harmful effects of ozone and particulates in the air. Covers how communities are classified as non-attainment areas, and loss of road funding. Suggested audience: those responsible for air quality regulations and monitoring in urban and suburban areas.

**P/A 133      Improving American Roads Through International Technology**

11 minutes

FHWA

Format: VHS

Sharing good ideas and innovations with our global neighbors helps improve transportation. From phenomenal advances in ITS to longer lasting asphalt mixes, American transportation professional benefits from visits to foreign countries.

**P/A - 135      How to Give A Deposition**

17 minutes

Penn DOT

Format: VHS

Gives a brief overview of the process of giving depositions.

**S/T-102      Pedestrian Safety (What Can You Do?).**

9 minutes

FHWA

Format: VHS

An overview of pedestrian safety using the themes of Engineering, Education, and Enforcement. Information is presented against a background of filmed traffic scenes.

**S/T-103      Traffic Barriers.**

46 minutes

FHWA

Format: VHS

Function, installation, maintenance and repair. Part 1: An Overview, Types of barriers and selection criteria. Part 2: W-Beam Wood and Steel Post Guardrail Systems. Part 3: Common Terminals for W-Beam Guardrail Systems.

**S/T-106      Traffic Control for Short Term Street or Highway Work Zones**

(Parts 1 through 5).

84 minutes

MN DOT

Format: VHS

Part 1: Introduces types of work zones. Part 2: Discusses traffic control devices and their proper installation. Part 3: Discusses the criteria for correct placement of devices. Part 4: Demonstrates graphically the recommended locations of signs and barriers. Part 5: Discusses flagging procedures and operations.

**S/T-109 Breakaway Sign Program.**

12 minutes

NJ DOT

Format: VHS

Describes how to assemble a New Jersey Breakaway Sign. These sign posts are for larger, informational signs seen on most highways. Companion publication available.

**S/T-110 Multiple Choice.**

24 minutes

Caterpillar

Format: VHS

This video reconstructs six accidents that actually happened. It asks safety questions after each accident which could be used to stimulate safety discussions in the classroom. The accidents portrayed are very graphic. The video was produced in cooperation with the National Safety Council.

**S/T-111 Shake Hands With Danger.**

23 minutes

Caterpillar

Format: VHS

This video has a message for all who work with heavy machinery and common shop tools. It is primarily geared toward operators and mechanics. Realistic accidents, selected with help from the National Safety Council, make the video's warning loud and clear.

**S/T-112 Informational/Training Videos on Functional Requirements of Highway Safety Features.**

25 minutes

FHWA

Format: VHS

The course goal is to show those who select, install, maintain and repair safety features the proper methods. The video lists the basic components of the course, and the objectives for each component. Material covered in the course includes introduction and clear zone process, standard barriers, end treatments and transition, pavements and shoulders, drainage structures, breakaway supports, and roadway signing, marking and delineation for traffic control. The video concludes with information on how to obtain the instructional aids available to teach the course.

**S/T-113 LP Gas: Know the Facts.**

11 minutes

U.S. DOT/FHWA



Format: VHS

Detection of leaks and the dangers of overfilling LP gas tanks. Proper methods for the handling, maintenance, and outside storage of tanks are also covered.

**S/T-114      Emergency Relief.**

17 minutes

FHWA

Format: VHS

Discusses the necessary steps to obtain emergency relief from the federal government in case of a disaster.

**S/T-115      The Thin Orange Line: Inspecting Work Zone Traffic Control.**

32 minutes

ATSSA

Format: VHS

The two-part video shows the major items an inspector should check to ensure contractor compliance with The Traffic Control plan, the MUTCD, and any state and local requirements. The tape emphasizes the need for the proper selection, placement, and maintenance of the traffic control devices.

**S/T-116      New Work Zone Safety Devices.**

17 minutes

SHRP

Format: VHS

Addresses new devices for protecting short term work zones on highways, including intrusion alarms, queue length detectors, portable speed bumps, delineation and lighting devices, a stop/slow paddle with flashing lights, and practical portable sign stands. For moving work zones, a remotely driven vehicle and a truck mounted collision attenuator are discussed.

**S/T-117      Arrow Panels.**

25 minutes

U.S. DOT/FHWA

Format: VHS

Designed to help state and local highway agencies learn more about the proper use of these traffic control devices.

**Barrier Delineation in Work Zones: The Well-Defined Path.**

20 minutes

U.S. DOT/FHWA

Format: VHS

Designed to help state and local highway agencies learn more about the proper use of these traffic control devices.

**S/T-119      Evaluation Procedures for Deicing Chemicals.**

11 minutes

SHRP

Format: VHS

This video outlines and describes the need for the tests, and aids in understanding how to perform the tests.

**S/T-120      **Staying Ahead of the Storm.****

21 minutes

SHRP

Format: VHS

Road weather information systems.

**S/T-121      **Pavement Maintenance and Worker Safety.****

16 minutes

SHRP Innovations

Format: VHS

Develops procedures and products to maintain pavement and control traffic safety in work zones.

**S/T-122      **Snow and Ice Control.****

12 minutes

SHRP Innovations

Format: VHS

Better ways of keeping roads free of ice and snow. Improved plows and test methods for evaluating chemical deicers, and the use of Road Weather Information Systems. Discusses the use of snow fences.

**S/T-123      **Plows of the Future.****

8 minutes

SHRP

Format: VHS

Improved plows that work faster with improved visibility and greater control at a lower cost.

**S/T-124      **Work Zone Safety for Rural Local Agencies-Parts 1-7.****

1 hour, 42 minutes

UNC ITRE/FHWA

Format: VHS

Part 1: Introduction (15:33 minutes). Part 2: Traffic Control Devices (18:07 minutes). Part 3: Traffic Control Zones (14:29 minutes). Part 4: Typical Application (15:23 minutes). Part 5: Flagging (12:33 minutes). Part 6: Legal Liability (15:59 minutes). Part 7: A Typical Day (8:13 minutes).

**S/T-125      **Tank Closure Without Tears: An Inspector's Safety Guide.****

30 minutes

NEIWPC

Format: VHS

**S/T-126      **Speed Humps.****

Gwinnett DOT

Format: VHS

Depicts Gwinnett County's initial efforts in developing a speed hump program.

- S/T-127      **Flagging.****  
 13 minutes  
 UNC ITRE/FHWA  
 Format: VHS  
 Part 6 of a 7 part video. Discusses the proper techniques for safe flagging operations.
- S/T-128      **Traffic Signs and Markings: Workshop-May 22, 1990.****  
 U. Mass  
 Format: VHS
- S/T-130      **Introduction to Work Area Traffic Control, Partners in Safety.****  
 Format: VHS
- S/T-131      **Night Safety at Worksites. Work Area Flagging. Selection and Use of Traffic Control Devices.****  
 Format: VHS
- S/T-132      **Think Safety, Back Safety.****  
 GA DOT  
 Format: VHS
- S/T-135      **Highway Safety Program.****  
 30 minutes  
 FHWA/DOT  
 Format: VHS  
 Discusses the role highway safety improvements play in reducing traffic accidents.
- S/T-136      **Functional Requirements of Safety Features I.****  
 FHWA  
 Format: VHS  
 G: Drainage Structures. H: Breakaway Supports. I: Crash Cushions.
- S/T-137      **Functional Requirements of Safety Features II.****  
 FHWA  
 Format: VHS  
 J: Roadside Cross Sections. K: Signs. L: Markings.
- S/T-205      **Traffic Control and Legal Liability. Tort Liability.****  
 Format: VHS  
 This workshop on tort liability was videotaped at the 1991 Region 8 County Road Advisor's Meeting in Rapid City, South Dakota. John Hopkins (Montana T2 Center) and Gene Wilson (Wyoming T2 Center) play witnesses being grilled by a lawyer in a mock trial. The workshop emphasizes the need to keep good records and prioritize county road work. May be used in its

entirety or broken into logical segments.

**S/T-206 Traffic Controls for Schools, Railroad Crossings, and Bicycle Facilities.**

24 minutes

IRF/FHWA

Format: VHS

Covers traffic controls under three traffic control conditions requiring extra safety considerations: schools, railroad crossings and bicycle facilities.

**S/T-207 Worldwide Traffic Sign Systems Overview.**

26 minutes

IRF/FHWA

Format: VHS

Covers the types and purposes of the signs that are common to all three systems, and reviews the basic design elements for all sign systems.

**S/T-208 Markings and Islands.**

19 minutes

IRF/FHWA

Format: VHS

Covers the design and application of markings and islands.

**S/T-209 Traffic Signs Placement and Location.**

22 minutes

IRF/FHWA

Format: VHS

Covers the placement and location of signs in general and specifically at their placement and location in three areas: urban, rural, and freeways.

**S/T-210 Traffic Signs Inspection and Maintenance.**

21 minutes

IRF/FHWA

Format: VHS

Covers sign inspection and maintenance.

**S/T-211 Special Use Traffic Controls.**

17 minutes

IRF/FHWA

Format: VHS

Covers special use traffic controls. The devices address potentially hazardous traffic conditions that are not covered elsewhere in the traffic control series.

**S/T-212 Traffic Control Signals at Intersections.**

18 minutes

IRF/FHWA

Format: VHS

Describes basically how engineers determine if a signal is needed, how signal controller phasing works, and how signal timing works.

- S/T-213 Work Zone Safety Concepts.**  
25 minutes  
IRF/FHWA  
Format: VHS  
Covers the basic principles of work zone safety, traffic control zones, planning for traffic control, the function of traffic control devices, and typical applications.
- S/T-214 Installation, Inspection, and Maintenance of Work Site Traffic Control Devices.**  
24 minutes  
IRF/FHWA  
Format: VHS  
Covers the installation, inspection and maintenance of traffic control devices at a basic workaday based on a traffic control plan.
- S/T-215 Developing Jobsite Traffic Control Plans.**  
21 minutes  
IRF/FHWA  
Format: VHS  
Shows how to develop an effective traffic control plan. Follows the process from pre-planning, through the actual design and writing, the implementation, evaluation, and even revision.
- S/T-216 Protection of Locators and Surveyors.**  
8 minutes  
TECS  
Format: VHS  
Discusses how to control traffic around various kinds of city maintenance situations.
- S/T-217 Low Speed Lane Closures.**  
14 minutes  
TECS  
Format: VHS  
Teaches about one of the most common ways to control traffic: closing a traffic lane.
- S/T-218 Parking Lane/Shoulder Work.**  
11 minutes  
TECS  
Format: VHS  
Addresses the need to alert drivers when working in the parking lane or on the shoulder. Takes a close look at how to develop good traffic control for such situations.
- S/T-219 Devices.**  
20 minutes  
TECS

Format: VHS

Shows the many traffic control devices that are available, as well as how to properly set them up and use them.

**S/T-220 City Maintenance Operations.**

15 minutes

TECS

Format: VHS

Discusses how to control traffic around various kinds of city maintenance situations.

**S/T-221 Street Closures.**

15 minutes

TECS

Format: VHS

Explains how to close a street by using the proper traffic control devices.

**S/T-222 Pedestrians.**

12 minutes

TECS

Format: VHS

Shows how to better protect pedestrians around work zones.

**S/T-223 Intersection Work.**

11 minutes

TECS

Format: VHS

Discusses ways to set up worksites in or near intersections that help to safely guide motorists.

**S/T-224 Introduction to Low Speed Traffic Control.**

12 minutes

TECS

Format: VHS

Gives instruction on how to better control traffic in low speed construction zones, and be better prepared to prevent accidents that result in injury and property damage.

**S/T-225 Mailboxes May Be Hazardous to Your Health.**

14 minutes

Texas SDHPT/FHWA

Format: VHS

Examples of acceptable supports for single and multiple box installation. Crash tests illustrate the dangers of many typical installations.

**S/T-226 Safety Features for Local Roads & Streets, Tape 1.**

55 minutes

FHWA

Format: VHS

This tape contains sideslope and ditch tests, roadside culvert and crossroad incline tests, and crash tests on different types of small sign supports.

- S/T-227      **Setting Speed Limits.****  
 10 minutes  
 VLRP  
 Format: VHS  
 A six-step engineering study is recommended for establishing posted speeds. Program can be used with general audiences.
- S/T-233      **Safety Training For Repair Technicians.****  
 21 minutes  
 Deere & Co., Hertz Equipment Rental Corp., CIMA  
 Format: VHS  
 Nearly 65% of repair technician personal injuries involve hands, eyes, or backs. Now a 21 minute video examines all types of repair related accidents, and shows effective ways to prevent them. This video will help you stay within budget and control your insurance costs. Developed in partnership with Deere & Company, Hertz Equipment Rental Corp. and the Construction Industry Manufacturers Association (CIMA). Released in 1996.
- S/T-234      **Right-of-Way Mowing Safety.****  
 23 minutes  
 John Deere  
 Format: VHS  
 A 23 minute video, developed in partnership with John Deere, should be seen by every operator of a mowing tractor. Filled with practical advice on ways to avoid accidents for mower operators, bystanders and the driving public. Shot on interstate highways, city streets, quiet country roads. Divided into two parts. Part one provides easy-to-follow pre-start inspection and maintenance advice. Part two puts you in the operator's seat in all types of mowing applications. A must see video for new and experienced operators alike. Released in 1996.
- S/T-235      **Transport Trailer Safety.****  
 24 minutes  
 Deere & Co., Hertz Equipment Rental Corp., Eager Beaver Trailers  
 Format: VHS  
 24 minutes long, this video shows employees how to safely load, chain down, transport and unload all types of equipment on all types of trailers. The video covers everything from portable generators on tagalongs to motor graders on detachable goose necks. It even covers DOT approved chains and binders. Cosponsored by Deere & Company, Hertz Equipment Rental Corp. and Eager Beaver Trailers, the video helps you avoid becoming "The Other Guy." Released in 1995.
- S/T-236      **It Always Happens To The Other Guy.****  
 15 minutes  
 John Deere, National Safety Council  
 Format: VHS  
 A 15 minute video using professional Hollywood stunt men in construction equipment rollover accidents. Produced by John Deere with assistance from the National Safety Council. The video makes equipment operators

take stock of the dangers they face every day on the job.

**S/T-237 Unattended Work Sites.**

TECS

Format: VHS

**S/T-239 The Case For Safety.**

Bureau of Business Practice

Format: VHS

The purpose of this video is to increase awareness of the importance of safety among your employees. It's so easy for your people to let safety slide when they get busy or are running up against a deadline. That's when the safety rules are ignored or when commonsense protective measures are bypassed in favor of speed or convenience. The Case For Safety is designed to get your employees thinking about their safety so that they will become more actively involved in making your department a safer place to work.

**S/T-240 Pre-Job Safety Checklist.**

Bureau of Business Practice

Format: VHS

The purpose of this program is to teach employees to stop before they do any job, think about the hazards involved, and take the necessary precautions to protect themselves. The program suggests that employees should run through a simple five-point mental checklist before they begin any job. The checklist includes such critical safety items as personal protective equipment, work area safety, written safety information, and pre-job equipment inspections. By asking your employees to use this checklist technique, you can increase safety awareness in your department or work group significantly.

**S/T-241 Making Safer Roads.**

12 minutes

Insurance Institute For Highway Safety

Format: VHS

Discusses roadside/right-of-way hazards associated with secondary roads. Experts explain how to alleviate these hazards using a common sense approach.

**S/T-242 Traffic Control: What Works?**

14 minutes

Minnesota Local Road Research Board

Format: VHS

The major objective of this video is to motivate public officials and members of the public to trust their engineers to develop reasonable, research-based traffic control strategies. The underlying philosophy in producing this video is that people will more readily accept an idea if they see how they will benefit directly from the implementation of that idea. The video demonstrates that public engineers sympathize with traffic accident victims and their relatives. It also explains that the best response to the tragedy of traffic injuries and/or death is the development of rational, research-based traffic control strategies. Additionally the video shows how everyone suffers from bad decisions regarding traffic control. The intent is that after



# Spanish Language Tapes

seeing the video, the viewers will agree that rational solutions based on reliable research are in everyone's best interest.

**S/T-243 Traffic Control Procedures.**

TECS

Format: VHS

**S/T-244 Traffic Safety Series.**

59 minutes

FHWA/IRF

Format: VHS

Identifying Highway Safety Problems and Solutions (19 minutes); Evaluating and Selecting the Best Safety Alternatives (20 minutes); Evaluating Safety Program Results (20 minutes): This program outlines the system for identifying and solving highway safety problems known as the Highway Safety Improvement Program Management System. The first of two phases of this system are discussed: Identify Safety Problems and Identify Alternative Improvements.

**SL/T-101 Aplicacion De Capa De Sellada Asfaltico, Parte 1.  
(Bituminous Seal Coat, Part 1)**

Format: VHS

**SL/T-102 Aplicacion De Capa De Sellado Asfaltico, Parte 2.  
(Bituminous Seal Coat, Part 2)**

Format: VHS

**SL/T-103 Control De Trafico Para Zonas De Trabajos De  
Mantenimiento, Parte 1. (Traffic Control for Maintenance  
Work Areas, Part 1)**

Format: VHS

**SL/T-104 Control De Trafico Para Zonas De Trabajos De  
Mantenimiento,  
Parte 2. (Traffic Control for Maintenance Work Areas, Part  
2)**

Format: VHS

**SL/T-105 El Abanderado O Banderillero. (The Flagger)**

Format: VHS

**SL/T-106 Inspeccion De Estructuras. (Structure Inspection)**

Format: VHS

**SL/T-107 Limpieza De Cuentas Y Preparacion De Derrumbes Menores.  
(Remove Minor Slides and Clean Cut Ditches)**

Format: VHS

**SL/T-108 Mantenimiento Preventivo De Motoniveladoras.  
(Motor Grader PM-A)**

Format: VHS

**SL/T-109 Mantenimiento De Caminos De Superficie Granular.  
(Maintain Non-Hard Surfaces)**

Format: VHS

**SL/T-110 Mantenimiento De Drenajes. (Maintain Drainage)**

Format: VHS

**SL/T-111 Mantenimiento Preventivo De Palas Cargadoras O  
Cargadoras  
Frontales. (Loader PM-A)**

Format: VHS

**SL/T-112 Mantenimiento Preventivo De Camiones Con Caja Volcadora  
O De Volteo. (Dump Truck PM-A)**

Format: VHS

**SL/T-113 Reparacion De Hombros O Banquinas De Grava.  
(Edge Rut Repair and Grade Gravel Shoulder)**

Format: VHS

**SL/T-114 Reparacion De La Base. (Base Repair)**

Format: VHS

**SL/T-115 Reparacion Provisional De Baches.  
(Temporary Pot Hole Patching)**

Format: VHS

**SL/T-116 Reparacion Permanente De Baches.**

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REQUESTED TITLE(S) 1. \_\_\_\_\_

2. \_\_\_\_\_

**APPENDIX A                      ACRONYM IDENTIFICATION**

<b>ACPA</b>	<b>American Concrete Pavement Association</b>
<b>APWA</b>	<b>American Public Works Association</b>
<b>AASHTO</b>	<b>American Association State Highway Transportation Officials</b>
<b>ATSSA:</b>	<b>American Traffic Safety Services Association, Inc.</b>
<b>CDI:</b>	<b>Compact Disk Interactive</b>
<b>DOT:</b>	<b>Department of Transportation</b>
<b>EPD:</b>	<b>Engineering Professional Development</b>
<b>FHWA:</b>	<b>Federal Highway Administration</b>
<b>GA. DOT:</b>	<b>Georgia Department of Transportation</b>
<b>I BOE:</b>	<b>Illinois Board of Education</b>
<b>IDOT:</b>	<b>Illinois Department of Transportation</b>
<b>IRF:</b>	<b>International Road Federation</b>
<b>MN DOT:</b>	<b>Minnesota Department of Transportation</b>
<b>MN LRRB:</b>	<b>Minnesota Local Road Research Board</b>
<b>MSFTD:</b>	<b>Montana State Film and Television Department</b>
<b>NACE:</b>	<b>National Association of County Engineers</b>
<b>NE DOR:</b>	<b>Nebraska Department of Roads</b>
<b>NEIWPCC:</b>	<b>New England Interstate Water Pollution Control Commission</b>
<b>NJ DOT:</b>	<b>New Jersey Department of Transportation</b>
<b>NLA:</b>	<b>National Lime Association</b>
<b>NLI:</b>	<b>National Lime Institute</b>
<b>NM DOT:</b>	<b>New Mexico Department of Transportation</b>
<b>NM HTTA:</b>	<b>New Mexico Highway and Transportation Training Academy</b>

**NM SHD:** New Mexico State Highway Department

**NRMCA:** National Ready Mixed Concrete Association

**NWT2C:** Northwest Technical Transfer Center

**PA RTAP:** Pennsylvania Rural Technical Assistance Program

**PCA:** Portland Cement Association

**Penn. DOT:** Pennsylvania Department of Transportation

**RI DOT:** Rhode Island Department of Transportation

**SDHPT:** State Department of Highways and Public Transportation

**SHRP:** Strategic Highway Research Program

**TECS:** Traffic Education and Consulting Services

**USACRREL:** United States Army-Cold Regions Research and Engineering Laboratory

**US DOT:** United States Department of Transportation

**VLRP:** Vermont Local Roads Program

## APPENDIX B

The Technology Transfer Center has organized thirty-three of its video tapes into six different training modules. The videos are intended to assist personnel in conducting roadshows. The modules can be used in whole or in part.

The following listings are divided by module titles, and video titles are listed by the numbers which appear elsewhere within the catalog.

### MODULE 1 – “GRAVEL ROAD MAINTENANCE”

M/O-135	Blading Unpaved Roads	22 minutes
M/O-136	Common Maintenance Problems and Causes	21 minutes
M/O-137	Smoothing and Reshaping of Earth and Gravel Roads	20 minutes
M/O-113	Motorgrader Operation, Part 2	21 minutes
M/O-114	Operator Daily Maintenance of Motorgraders	21 minutes
M/O-138	Patching Unpaved Roads	11 minutes
M/O-139	Regraveling	18 minutes
		2 hrs., 14 minutes

### MODULE 2 – “UPGRADING GRAVEL ROADS”

M/O-136	Common Maintenance Problems and Causes	21 minutes
D/C-219	Lime-The Versatile Stabilizer in Construction	26 minutes
M/O-113	Motorgrader Operation, Part 2	21 minutes
M/O-114	Operator Daily Maintenance of Motorgraders	21 minutes
M/O-140	Rural Roads: A New Approach	27 minutes
M/O-141	Single and Multiple Surface Treatments	14 minutes
M/O-117	Upgrading Gravel Roads: A New Approach	21 minutes
		2 hrs., 31 minutes

### MODULE 3 – “BITUMINOUS ROAD MAINTENANCE”

M/O-136	Common Maintenance Problems and Causes	21 minutes
M/O-113	Crack Repair in Asphalt Pavement	12 minutes
EO/M-115	Operator Daily Maintenance of Asphalt Distributors	17 minutes
		50 minutes

### MODULE 4 – “MAINTENANCE-GENERAL”

M/O-136	Common Maintenance Problems and Causes	21 minutes
M/O-144	Cleaning and Clearing of Bridges	14 minutes
M/O-145	Cleaning of Lined Ditches, Culverts and Catch Basins	16 minutes
M/O-146	Concrete Bridge Deck Repair	18 minutes

M/O-147	Mechanical Cleaning of Unlined Ditches	20 minutes
M/O-148	Replenishing Earth and Gravel Shoulders	19 minutes
M/O-149	Reshaping Earth and Gravel Shoulders	15 minutes
		2 hrs., 3 minutes
MODULE 5 – “EQUIPMENT MAINTENANCE AND OPERATION”		
EO/M-117	Operator Daily Maintenance of Dump Trucks	20 minutes
EO/M-115	Operator Daily Maintenance of Asphalt Distributors	17 minutes
M/O-113	Motorgrader Operation, Part 2	21 minutes
M/O-114	Operator Daily Maintenance of Motorgraders	21 minutes
EO/M-118	Operator Daily Maintenance of Front-End Loaders	19 minutes
EO/M-106	Front-End Loader Operation, Part 1	19 minutes
EO/M-107	Front-End Loader Operation, Part 2	19 minutes
EO/M-119	Operator Daily Maintenance of Crawler Tractors	21 minutes
EO/M-120	Operator Daily Maintenance of Rollers	22 minutes
EO/M-121	Tilt-Bed Trailers, Parts 1 & 2	54 minutes
M/O-150	Winning Moves in Maintenance	16 minutes
		4 hrs., 31 minutes
MODULE 6 – “HIGHWAY SAFETY”		
P/A-116	Caution, Litigation Ahead: The Road to Effective Risk Management	25 minutes
S/T-225	Mailboxes May Be Hazardous to Your Health	14 minutes
		39 minutes

**(Permanent Pot Hole Patching)**

Format: VHS

**SL/T-117 Reparacion Del Pavimento Asfaltico.  
(Bituminous Surface Replacement)**

Format: VHS

**SL/T-118 Restauracion Del Perfil En Carreteras Asfalticas.  
(Lane Leveling Bituminous Surfaces)**

Format: VHS

**SL/T-119 Sellado De Grietas Y Fisuras. (Sealing Cracks)**

Format: VHS

TOPICAL INDEX

COMMERCIAL DRIVERS LICENSE

- CDL-101 Commercial Drivers License Series-Parts 1, 2A, 2B.
- CDL-102 Commercial Drivers License Series-Parts 2C, 2D, 3, 4.
- CDL-103 Commercial Drivers License Series-Part 2D.
- CDL-111 Fit for the Road

COMPACT DISC INTERACTIVE TITLES

- CDI-101 Drug & Alcohol Awareness
- CDI-102 Hours of Service
- CDI-103 Backing and Turning
- CDI-104 Speed Management
- CDI-105 Pre-Trip Inspections.
- CDI-106 Hazardous Materials.
- CDI-107 Space Management.
- CDI-108 Work Zone Traffic Control
- CDI-109 Snow & Ice Control
- CDI-110 Motorgrader Operation
- CDI-111 Straight Talking: The Art of Assertiveness
- CDI-112 Meetings, Bloody Meetings
- CDI-113 The NGA Truck and Bus Data Elements

**DESIGN/CONSTRUCTION**

- D/C-101 Surface Utility Engineering-A Technology For The 90's.
- D/C-103 Asphalt Concrete Paving Inspection.



- D/C-102 Timber Bridges: Build Better and Save With Modern Timber Bridges.
- D/C-104 Asphalt Concrete Plant Inspection.
- D/C-105 Chip Seal, Prime, Flush and Tack Coat Inspection.
- D/C-106 Concrete Paving Inspection.
- D/C-107 Field Sampling and Testing For Bituminous Construction.
- D/C-108 Field Sampling and Testing For Concrete Construction.
- D/C-109 Incidental Concrete Structures Inspection.
- D/C-110 Inspecting Pavement Recycling.
- D/C-111 Major Structures Inspection.
- D/C-112 Unsurfaced Road Inspection.
- D/C-113 Unsurfaced Road Management.
- D/C-114 Hardwood Anyone?
- D/C-115 Checking Asphalt Distribution Spread Rate. Seal Coat Inspection. Traffic Control During Seal Operation.
- D/C-117 Seal Coat Inspection. Loader Operation, Part 1.
- D/C-118 Erosion and Sedimentation Control, Part 2-B.
- D/C-119 Timber Bridges #2.
- D/C-120 Testing and Field Inspection of Roadway Delineation.
- D/C-121 Modern Timber Bridges-A New Return For Old New England.
- D/C-122 Bituminous Construction Procedures.
- D/C-123 Bituminous Plant Inspection, 2 Parts.
- D/C-124 Bituminous Seal Coat.
- D/C-125 Hydrated Lime Key to Improved Asphalt Pavements.
- D/C-126 Pipe Placement.
- D/C-127 Pipe Trench Compaction.
- D/C-128 Drainage Pipe Placement.
- D/C-129 Aesthetic Bridge Rails and Guardrails.
- D/C-130 Concrete Bridge Railings. The Modified Three Beam Guardrails. Cable Guard Rails.
- D/C-131 Converting To The Metric System, Tape 1.
- D/C-132 Converting To The Metric System, Tape 2.
- D/C-133 Master Builders Concrete Series.
- D/C-134 Sealcoating: A Matter of Science and Skill.
- D/C-137 The Clemson Beaver Pond Leveler: One Solution.
- D/C-138 Mixture Design: 32nd Annual Bituminous Conference.
- D/C-139 Hot Mix Asphalt Construction Promotional Video.
- D/C-140 OSHA Compliance in Construction.
- D/C-141 Designing For Quality, I 90-94 in Wisconsin.
- D/C-142 Field-Testing Concrete, Part 2: Slump and Compression Strength.
- D/C-143 Soil Cement Base Construction.
- D/C-145 Steel Truss Bridge Inspection. Timber Bridge Inspection
- D/C-146 Inspecting the Asphalt Plant.
- D/C-147 Subsurface Utility Engineering - A Proven Solution
- D/C-150 Quality Assurance of Soil Cement Construction
- D/C-151 Soil Cement Base Construction: Roadway Operations
- D/C-202 The Roll of Drums. Shake Hands With Danger. Making the Most of Scrapers. Elevating Scrapers. Wheel Tractor Scrapers.
- D/C-204 Tied Concrete Shoulder: I-20, South Carolina; Cracked Pavement, Minnesota;
- D/C-207 Testing of Asphalt Cement. Determination of Asphalt Content in Pavement Mixtures. Budgeting for Rehabilitation. Asphalt Emulsion Spray

Application.

Aggregate Blends.

- D/C-208 Construction and Materials. Pavement Research. The Road to Better Roads.
- D/C-215 Design of Urban Streets, Part 2. Street Design Elements, Parts 2 & 3. Intersection Design Elements.
- D/C-216 Design of Urban Streets, Part 3.; Traffic Signal Design & Operations. Illumination, Signs & Markings. Pedestrians, Bicycles & Transit. Factors Impacting Street Design.
- D/C-217 Design of Urban Streets, Part 4.
- D/C-218 Asphalt Paving Inspection. Pothole Repair.
- D/C-219 Lime-The Versatile Stabilizer in Construction.
- D/C-220 Asphalt Paving Inspection.
- D/C-221 Shake Hands With Danger.
- D/C-222 Durability Testing of Concrete and Aggregates/Alkali-Silica Testing.
- D/C-223 Durability Testing of Concrete and Aggregates/Freeze-Thaw Testing.
- D/C-224 Quality Control of Concrete On-Site, Part One.
- D/C-225 Quality Control of Concrete On-Site, Part Two.
- D/C-226 Quality Control of Concrete On-Site, Part Three.
- D/C-227 Quality Control of Concrete On-Site, Part Four.
- D/C-228 Concrete Rehabilitation/Early Opening of Full-Depth Concrete Repairs – Introduction of Rehabilitation of Highway Concrete.
- D/C-229 Concrete Rehabilitation/Early Opening of Full-Depth Concrete Repairs – Concrete Pavement Overlays.
- D/C-230 Concrete Rehabilitation/Early Opening of Full-Depth Concrete Repairs – Bridge Deck Overlays.
- D/C-231 Concrete Rehabilitation/Early Opening of Full-Depth Concrete Repairs – Full-Depth Repair of Jointed Concrete Pavement.
- D/C-232 Concrete Rehabilitation – Early Opening of Full-Depth Concrete Repairs.
- D/C-233 Concrete Rehabilitation/Early Opening of Full-Depth Concrete Repairs – Partial-Depth Repair of Concrete Pavement.
- D/C-235 Hot Mix Asphalt is the Best Buy ... All of the Time
- D/C-236 Ultra-Thin Whitetopping
- D/C-240 Bituminous Concrete Paving – Parts I, II, & III
- D/C-241 Design & Construction of Extra-High Strength Concrete Bridges
- D/C-242 Asphalt Emulsions & Their Uses
- D/C-243 Building The Notched Wedge Joint
- D/C-244 Fit to Be Tied: Retrofitting, PCC Pavement with Dowel Bars, Dowel Bar Insertion for Load Transfer at Mid Panel Crack Retrofitted Load Transfer Devices
- D/C-245 Prefabricated Timber Bridge Deck Panels

**EQUIPMENT OPERATIONS/MAINTENANCE**

- EO/M-101 Rotary Mower Operations.
- EO/M-103 Introduction to Sieve Analysis.
- EO/M-104 Loader-Backhoe Safety-Worker Safety.
- EO/M-105 ROADEO.
- EO/M-106 Front-End Loader Operation, Part 1.
- EO/M-107 Front-End Loader Operation, Part 2.
- EO/M-108 How to Get More Out of Your Motorgrader. Taking Control of Your Motorgrader.

- EO/M-110 Operating Tips for: Push-Pull Scrapers. Off-Highway Trucks. Track Tractors Loading Logic. Wheel Tractor Scrapers. Track Loaders. Wheel Loaders.
- EO/M-111 Ditchmaster. Lee-Boy. Asphalt Maintainer. Rosco Asphalt Maintainer Pavement.
- EO/M-112 Motorgrader Operation: Part I & II, Operator Daily Maintenance of Motorgrader
- EO/M-113 Motorgrader Operation, Part 2.
- EO/M-114 Operator Daily Maintenance of Motorgraders.
- EO/M-115 Operator Daily Maintenance of Asphalt Distributors.
- EO/M-116 Driver Daily Maintenance of Light Vehicles
- EO/M-117 Operator Daily Maintenance of Dump Trucks.
- EO/M-118 Operator Daily Maintenance of Front-End Loaders.
- EO/M-119 Operator Daily Maintenance of Crawler Tractors.
- EO/M-120 Operator Daily Maintenance of Rollers.
- EO/M-121 Tilt-Bed Trailers, Parts 1 & 2.
- EO/M-122 Motorgrader Preventive Maintenance.
- EO/M-123 Wheel Loader Operating Techniques.
- EO/M-124 Wheel Loader Walk Around & Inspection.
- EO/M-125 Equipment Management Systems Series.
- EO/M-126 Using Snow Plow on Motorgraders

**GENERAL INTEREST**

- CDR-114 Hazardous Materials Transportation Training Modules: Compliance & Enforcement
- IS-101 Idea Store, Volume I.
- IS-103 Idea Store, Volume III.
- IS-104 Idea Store, Volume IV.
- IS-105 Idea Store, Volume V.
- IS-106 Idea Store, Volume VI.
- IS-107 Idea Store, Volume VII.
- IS-108 Idea Store, Volume VIII.
- IS-109 Idea Store, Volume IX.
- IS-110 Privatizing Public Works, Part 1.
- IS-111 Privatizing Public Works, Part 2.
- IS-113 Training: The Obscured Advantage.
- IS-114 The New Telecommunications Act and Its Impact on Cities, Tape 1.
- IS-115 The New Telecommunications Act and Its Impact on Cities, Tape 2.
- IS-116 The New Telecommunications Act and Its Impact on Cities, Tape 3.
- IS-117 GA DOT Metric Training - Tape 1
- IS-118 GA DOT Metric Training - Tape 2 - Lesson 1
- IS-119 GA DOT Metric Training - Tape 3 - Lesson 2
- IS-120 GA DOT Metric Training - Tape 4 - Lesson 3
- IS-121 GA DOT Metric Training - Tape 5 - Lesson 5
- IS-122 GA DOT Metric Training - Tape 6 - Lesson 6
- IS-123 Environmental Issues
- VBT-100 Small Fleet Management in Public Works
- VBT-101 Communicating Your Public Works Image with Power

**MAINTENANCE/OPERATIONS**

- M/O-101 Pavement Structure, Repair Techniques, Program 2.
- M/O-102 Pothole Repair in Asphalt Concrete Pavement.
- M/O-103 Guardrail Installation and Repair.
- M/O-104 Maintaining a Safe Roadside.
- M/O-105 Technical Advancements for Maintenance Workers.
- M/O-106 Road Oyl: Resin Modified Emulsion.
- M/O-107 Cost Analysis: Recycling Procedures.
- M/O-108 Concrete Bridge Protection, Repair and Rehabilitation.
- M/O-109 SUPERPAVE-Asphalt Pavements That Perform.
- M/O-110 Asphalt Crack Treatment.
- M/O-111 Pavement Repair: Do the Right Thing at the Right Time.
- M/O-112 Finding Better Ways.
- M/O-113 Crack Repair in Asphalt Pavement. Asphalt Crack Treatment.
- M/O-114 New Technology for Old Roads.
- M/O-116 Brash Test. EZ Erect. Small Sign Supports.
- M/O-117 Upgrading Gravel Roads: A New Approach.
- M/O-118 Roadway Maintenance Cost Analysis, Parts 1 & 2.
- M/O-119 Roadway Maintenance Cost Analysis, Parts 3 & 4.
- M/O-120 The Snow Fighters.
- M/O-121 Dust Control. 1989
- M/O-122 Portland Cement Concrete Field Sampling & Testing.
- M/O-124 Video Transfer #5.
- M/O-125 Video Transfer #8.
- M/O-126 Video Transfer #10.
- M/O-127 Effects of Tire Pressure on Pavement Distress: 52nd Annual Bituminous Conference.
- M/O-129 Roadway Testing Technician: "Soils Testing".
- M/O-130 Chemical & Physical Testing of Portland Cement, Parts 1 & 2.
- M/O-131 Asphalt Extraction Testing.
- M/O-132 Video Transfer #1 Minnesota I-90 Recycling.
- M/O-133 Pavement Deterioration, Ratings. Types of Pavement & Crack Sealing.
- M/O-134 Techniques for Pavement Maintenance and Rehabilitation Using Asphalt, Part 3.
- M/O-135 Blading Unpaved Roads.
- M/O-136 Common Maintenance Problems and Causes.
- M/O-137 Smoothing and Reshaping of Earth and Gravel Roads.
- M/O-138 Patching Unpaved Roads.
- M/O-139 Regraveling.
- M/O-140 Rural Roads: A New Approach.
- M/O-141 Single & Multiple Surface Treatments.
- M/O-142 Crack Repair in Asphalt Pavement.
- M/O-144 Cleaning and Clearing of Bridges.
- M/O-145 Cleaning of Lined Ditches, Culverts and Catch Basins.
- M/O-146 Concrete Bridge Deck Repair.
- M/O-147 Mechanical Cleaning of Unlined Ditches.
- M/O-148 Replenishing Earth and Gravel Shoulders.
- M/O-149 Reshaping Earth and Gravel Shoulders.
- M/O-150 Winning Moves in Maintenance.
- M/O-151 Creating Meadows Through Road Maintenance and Construction.
- M/O-152 Maintaining Granular Surface Roads. Snow Removal on Iowa's

- Secondary Roads.
- M/O-153 Pothole Repair in Surface Treatment Pavement.
  - M/O-154 Upgrading Gravel Roads. Rural Roads: A New Approach.
  - M/O-155 Handling and Stockpiling Crushed Stone Aggregates.
  - M/O-156 Problems With Gravel Roads.
  - M/O-157 Asphalt Roadway Rehabilitation.
  - M/O-158 Sign Maintenance and Installation.
  - M/O-159 Chip Seal Application.
  - M/O-161 Anti-Icing For Maintenance Personnel.
  - M/O-162 Stone Matrix Asphalt of Olympic Proportions.
  - M/O-163 What is Antilicing?
  - M/O-164 Understanding Superpave Mix Design.
  - M/O-165 Snow and Ice Control.
  - M/O-166 Innovative Tumbleweed Removal.
  - M/O-168 Utility Cuts In Paved Roads - Parts 1 & 2.
  - M/O-169 Comcore Roadplate System.
  - M/O-170 Contract Maintenance Series
  - M/O-171 Low Volume Roads Series
  - M/O-172 Bridge Evaluation and Posting
  - M/O-175 Dura Patched: Patching Only
  - M/O-176 Protecting Our Pavements: Preventative Maintenance
  - M/O-177 Innovative Pavement Maintenance Technology
  - M/O-178 Maintaining Asphalt Roads – Blade Patching
  - M/O-179 The Importance of Road Drainage
  - M/O-180 Retrofitted Load Transfer Devices
  - M/O-181 Carbide Grinding

#### **PLANNING/ADMINISTRATION**

- P/A-102 Road Management Systems.
- P/A-103 Pavement Management Systems for Local Administrators.
- P/A-104 Paving the Way for Tomorrow's Highways.
- P/A-105 Rural Technical Assistance Program (RTAP).
- P/A-106 Agri-Access Network.
- P/A-107 Open Roads: A Look at Freeway Incident Management.
- P/A-108 Surface Condition Rating System.
- P/A-109 Pavement Management Systems.
- P/A-110 Implementing a Maintenance Management System.
- P/A-111 The Winners-The Losers.
- P/A-112 Right Before Your Eyes.
- P/A-113 4R Conference and Road Show: Attendees.
- P/A-114 Drug Abuse at Work-Employee.
- P/A-115 Down Is Up.
- P/A-116 Caution, Litigation Ahead: "The Road to Effective Risk Management"
- P/A-117 AEMA Paving the Way...to the 21st Century.
- P/A-118 Livable Neighborhoods: Rethinking Residential Streets
- P/A-119 Construction Management Systems Series
- P/A-120 Technology Transfer Series
- P/A-121 Highway Management Series Tape 1
- P/A-122 Highway Management Series Tape 2
- P/A-123 Advanced Transportation Management System
- P/A-124 Smart Moves: A Decision-Maker's Video on the Intelligent Transportation



## Infrastructure

- P/A -125 Transportation Librarians: Partners in Technology Transfer
- P/A -126 Tribal Transportation Planning: A vision of A Better Tribal Transportation
- P/A -127 Training the Trainer: Turning Field Experts into Experts in the Classroom
- P/A -128 Torts are Everybody's Business
- P/A -129 EMS: Equipment Management Systems
- P/A -130 Local Government on Trail Part 2: The Trial
- P/A -131 Local Government on Trail Part 1: The Background
- P/A -132 Air Quality Conformity in Transportation Planning
- P/A -133 Improving American Roads Through International Technology
- P/A -135 How to Give A Deposition

## **SAFETY/TRAFFIC**

- S/T-102 Pedestrian Safety (What Can You Do?).
- S/T-103 Traffic Barriers.
- S/T-106 Traffic Control For Short Term Street or Highway Work Zones, Parts 1-5.
- S/T-109 Breakaway Sign Program.
- S/T-110 Multiple Choice.
- S/T-111 Shake Hands With Danger.
- S/T-112 Informational/Training Videos on Functional Requirements of Highway Safety Features
- S/T-113 LP Gas: Know the Facts.
- S/T-114 Emergency Relief.
- S/T-115 The Thin Orange Line: Inspecting Work Zone Traffic Control.
- S/T-116 New Work Zone Safety Devices.
- S/T-117 Arrow Panels. Barrier Delineation in Work Zones: The Well-Defined Path.
- S/T-119 Evaluation Procedures For Deicing Chemicals.
- S/T-120 Staying Ahead of the Storm.
- S/T-121 Pavement Maintenance and Worker Safety.
- S/T-122 Snow and Ice Control.
- S/T-123 Plows of the Future.
- S/T-124 Work Zone Safety For Rural Local Agencies, Parts 1-7.
- S/T-125 Tank Closure Without Tears: An Inspector's Safety Guide.
- S/T-126 Speed Humps.
- S/T-127 Flagging.
- S/T-128 Traffic Signs and Markings: Workshop-May 22, 1990.
- S/T-130 Introduction to Work Area Traffic Control, Partners in Safety.
- S/T-131 Night Safety at Worksites. Work Area Flagging. Selection and Use of Traffic Control Devices.
- S/T-132 Think Safety, Back Safely.
- S/T-135 Highway Safety Program.
- S/T-136 Functional Requirements of Safety Features I.
- S/T-137 Functional Requirements of Safety Features II.
- S/T-205 Traffic Control and Legal Liability.Tort Liability.
- S/T-206 Traffic Controls For Schools, Railroad Crossings, and Bicycle Facilities.
- S/T-207 Worldwide Traffic Sign Systems Overview.
- S/T-208 Markings and Islands.
- S/T-209 Traffic Signs Placement and Location.
- S/T-210 Traffic Signs Inspection and Maintenance.
- S/T-211 Special Use Traffic Controls.
- S/T-212 Traffic Control Signals at Intersections.

- S/T-213 Work Zone Safety Concepts.
- S/T-214 Installation, Inspection, and Maintenance of Work Site Traffic Control Devices.
- S/T-215 Developing Jobsite Traffic Control Plans.
- S/T-216 Protection of Locators and Surveyors.
- S/T-217 Low Speed Lane Closures.
- S/T-218 Parking Lane/Shoulder Work.
- S/T-219 Devices.
- S/T-220 City Maintenance Operations.
- S/T-221 Street Closures.
- S/T-222 Pedestrians.
- S/T-223 Intersection Work.
- S/T-224 Introduction to Low Speed Traffic Control.
- S/T-225 Mailboxes May Be Hazardous To Your Health.
- S/T-226 Safety Features For Local Roads & Streets, Tape 1.
- S/T-227 Setting Speed Limits.
- S/T-233 Safety Training For Repair Technicians.
- S/T-234 Right-of-Way Mowing Safety.
- S/T-235 Transport Trailer Safety.
- S/T-236 It Always Happens To The Other Guy.
- S/T-237 Unattended Work Sites.
- S/T-239 The Case For Safety.
- S/T-240 Pre-Job Safety Checklist.
- S/T-241 Making Safer Roads.
- S/T-242 Traffic Control: What Works?
- S/T-243 Traffic Control Procedures
- S/T-244 Traffic Safety Series

**SPANISH LANGUAGE/TRAINING**

- SL/T-101 Aplicacion De Capa De Sellada Asfaltico, Parte 1.  
(Bituminous Seal Coat, Part 1).
- SL/T-102 Aplicacion De Capa De Sellada Asfaltico, Parte 2.  
(Bituminous Seal Coat, Part 2).
- SL/T-103 Control De Trafico Para Zonas De Trabajos De Mantenimiento, Parte 1.  
(Traffic Control For Maintenance Work Areas, Part 1.)
- SL/T-104 Control De Trafico Para Zonas De Trabajos De Mantenimiento, Parte 2.

- (Traffic Control For Maintenance Work Areas, Part 2.)
- SL/T-105 El Abanderado O Banderillero. (The Flagger.)
- SL/T-106 Inspeccion De Estructuras. (Structure Inspection.)
- SL/T-107 Limpieza De Cuentas Y Preparacion De Derrumbes Menores.  
(Remove Minor Slides and Clean Cut Ditches.)
- SL/T-108 Mantenimiento Preventivo De Motoniveladoras. (Motorgrader PM-A.)
- SL/T-109 Mantenimiento De Caminos De Superficie Granular. (Maintain Non-Hard  
Surface.)
- SL/T-110 Mantenimiento De Drenajes. (Maintain Drainage.)
- SL/T-111 Mantenimiento Preventivo De Palas Cargadoras O Cargadoras Frontales.  
(Loader PM-A.)
- SL/T-112 Mantenimiento Preventivo De Camiones Con Caja Volcadora De Volteo.
- SL/T-113 Reparacion De Hombros O Banquinas De Grava. (Edge Rut Repair and  
Grade Gravel Shoulder.)
- SL/T-114 Reparacion De La Base. (Base Repair.)
- SL/T-115 Reparacion Provisional De Baches. (Temporary Pot Hole Patching.)
- SL/T-116 Reparacion Permanente De Baches. (Permanent Pot Hole Patching.)
- SL/T-117 Reparacion Del Pavimento Asfaltico. (Bituminous Surface Replacement.)
- SL/T-118 Restauracion Del Perfil En Carreteras Asfalticas. (Lane Leveling  
Bituminous Surfaces.)
- SL/T-119 Sellado De Grietas Y Fisuras. (Sealing Cracks.)

## ALPHABETICAL INDEX

### A

- P/A-113 4R Conference and Road Show: Attendees.
- P/A-123 Advanced Transportation Management System
- P/A-117 AEMA Paving the Way...to the 21st Century.
- D/C-129 Aesthetic Bridge Rails and Guardrails.
- P/A-106 Agri-Access Network.
- P/A -132 Air Quality Conformity in Transportation Planning
- M/O-161 Anti-Icing For Maintenance Personnel.
- SL/T-101 Aplicacion De Capa De Sellada Asfaltico, Parte 1. (Bituminous Seal Coat,  
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- SL/T-102 Aplicacion De Capa De Sellada Asfaltico, Parte 2. (Bituminous Seal Coat,  
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- S/T-117 Arrow Panels. Barrier Delineation in Work Zones: The Well-Defined Path.
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- D/C-242 Asphalt Emulsions & Their Uses
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M/O-136	Common Maintenance Problems and Causes.
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P/A-119	Construction Management Systems Series
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- M/O-107 Cost Analysis: Recycling Procedures.  
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- D/C-241 Design & Construction of Extra-High Strength Concrete Bridges  
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- CDI-102 Hours of Service
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- P/A-110 Implementing a Maintenance Management System.
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