



Local Technical Assistance Program

**LOCAL TECHNICAL ASSISTANCE PROGRAM  
VIDEOTAPES AVAILABLE RENT FREE**

Descriptions

**2015**

Revised 1/1/2015

**1-800-541-6671**

**BRIDGES**

<i>Maintenance</i>	<b>minutes</b>
BM100	Introduction to Bridge Inspection ..... 25 This video was prepared for those agencies with bridge inspection responsibilities. It covers federal requirements, reference material, structural inventory, condition inspection and rating, and safety considerations. FHWA and Oregon DOT (c.1990)
BM101	Inspection of Steel Truss Bridges ..... 50 Discussed in this video is inspection of small truss bridges including equipment, reporting forms and items one should look for. FHWA and Oregon DOT (c.1990)
BM102	Timber Bridge Inspection in Oregon ..... 50 This video illustrates how timber bridges should be inspected by taking one through the procedures, tools, and forms necessary to do a thorough job. FHWA and Oregon DOT (c.1990)
BM104	Inspection of Pre-Stressed Concrete Bridges..... 55 This video discusses pre-stressed bridges, how and why to inspect them, and how to prepare for on-sight inspections. Pennsylvania DOT, 1985
BM106	Structure Inspection ..... 20 Outlined in this video is the bridge inspection process which should occur on all structures every two years. Utah DOT (c. 1990)
BM107	Routine Structure Cleaning ..... 17 This video stresses the importance of cleaning bridge structures. It also explains the common components of all bridges and demonstrates cleaning under bridges, the drainage system, and the deck. Utah DOT (c. 1990)
BM112	Bridge Deck Overlays..... 19 This video discusses deck condition, materials, surface preparation, and overlay placement. SHRP and BSN, Inc. (c. 1990)
BM113	Timber Bridges Part I..... 21 Discussed in this video is how timber bridges can be modern, but built at a lower cost, installed by local construction companies, and erected in less time. It also covers installation of a modern timber bridge. Pennsylvania DOT (1992) <i>[Comment]1/25/05: For Northeastern US]</i>
BM114	Timber Bridges Part II ..... 28 This video looks at modern timber bridges and their design, fabrication, and installation. It also addresses transportation of components, maintenance of completed bridges, and the economics of modern timber bridge design. Provided are some common sense tips and hints; the advantages of timber are also addressed. Pennsylvania DOT and FHWA (1987)
BM115	Bridge Rail Retrofit..... 18 Focusing on common railing deficiencies, this video covers retrofit categories and their deficiencies and railings compatible with curbs and walks. Characteristics of satisfactory bridge railways are also covered. FHWA, Southwest Research Institute, California DOT, and NY DOT (c.1990)
BM117	Concrete Bridge Protection, Repair, and Rehabilitation..... 5 Looking at protecting and repairing a bridge, this video covers specifications, procedures,

cost data, and service lives. The video also covers concrete removal, rapid deck repair, conventional rehabilitation, and new rehabilitation techniques. SHRP and Virginia Tech (c. 1990)

BM118	Bridge Maintenance for Local Road Crews..... 14 This video shows how Vermont local road crews use eight bridge maintenance practices using common tools and how any crew can follow these same procedures. The eight bridge maintenance practices include inspecting the bridge, cutting back vegetation, removing debris, washing the bridge, creating smooth transitions, and more. VT Local Roads (1994)	14
BM119	Bridge Evaluation and Posting---Bridge Components and Inspection Standard, Deficiencies and Deterioration, Forces and Materials Affecting Strength, Posting and Permitting Process, and Management ..... 38 This video can be useful as an introductory or summary tool for bridge maintenance or inspection courses either in whole or in part. FHWA (1997)	38

### EQUIPMENT

#### *Maintenance*

EM100	Engine Preventive Maintenance: An excellent tape for all heavy equipment operators, this four part video covers clean air, efficient cooling, functions of lubrication, and clean fuel. John Deere (c.1990) Clean Air..... 16 Efficient Cooling Systems ..... 14 Functions of Lubrication..... 12 Clean Fuel (John Deere) ..... 14	16
EM102	Preventive Maintenance: Clean Air ..... 16 This portion discusses different engine trouble spots and the preventive maintenance steps you can take to keep your fleet trouble-free. Topics included are the dry air cleaner, the service level indicator, and the valves. The major emphasis is on checking each part of the engine to make sure everything is clean and running correctly. John Deere (c.1990) Power Train PMA ..... 18 This section outlines causes of overall power train failures and why correct periodic preventive maintenance is necessary. The benefits of using preventive maintenance are reduced failure of the power train, safety for the operator, and lower maintenance costs. John Deere (c.1990) Electrical PMA..... 25 This program is designed to familiarize you with the basic principles of the electrical systems used in today's motorized equipment. Included are how the electrical system works, why it fails, and how to prevent failure. John Deere (c.1990) Halt Hydraulic Headaches ..... 20 This section outlines causes of overall hydraulic failures and preventive maintenance that will decrease failure and downtime for the hydraulic system. John Deere (c.1990)	16
EM103	Equipment Operation and Maintenance..... 13 This videotape is an overview of the importance of keeping on schedule and relates how maintenance and operation of specific equipment affects scheduling. It also stresses other factors important to doing a good job such as safety, planning ahead, accuracy, and taking pride in your work. Oklahoma DOT and Utah DOT (1984)	13
EM105	Equipment Maintenance Programming and Scheduling..... 45 This video discusses the need for continuous equipment checks, performing maintenance on a schedule, and timely repairs after a breakdown. FHWA & MSU-RTAP (1983)	45
EM107	Bulldozer Preventive Maintenance ..... 20	20

	Regular preventive maintenance checks are necessary to insure the long life of a bulldozer. This video addresses daily checks and start-up and shutdown procedures. Utah DOT (c.1990)	
EM116	<b>Winning Moves in Maintenance</b> .....	15
	This video discusses timely and routine maintenance to head off more costly repairs. It includes such topics as changing the oil and cleaning filters. It also stresses the importance of inspection and routine maintenance to prevent breakdowns and more trouble in the long run. Caterpillar (c.1990)	
EM117	<b>Motor Grader Preventive Maintenance</b> .....	12
	The life of equipment depends on good preventive maintenance, including daily, weekly, monthly, or as needed preventive checks. The daily preventive maintenance includes pre-start, warm-up, operating, and shutdown procedures. These daily checks only take a few minutes and can save a lot of hours of repair time and downtime, and repair dollars. The preventive maintenance daily checks also ensure the operator of having a better-working, safer blade to run. NM State Hwy Dept. Training Academy (c.1990) <i>[Comment: 1/18/06 Good refresher tape]</i>	
EM119	<b>Signals: Read 'Em or Weep</b> .....	20
	For the operator, serviceman, or the maintenance man, machine care and safety begins with reading the symbols. This video stresses the importance to paying attention to warning signals before a major problem occurs. Also covered is the importance of knowing proper repair procedures so as to prevent bigger problems. Caterpillar (c.1990)	
EM121	<b>Driver Daily Maintenance of Light Vehicles</b> .....	17
	The driver can improve reliability and performance of the vehicle by following daily maintenance procedures. This video outlines the general methods and procedures for operator daily maintenance checks and why they are necessary. It also covers pre-start, warm-up daily operating, and shutdown procedures. International Road Federation (1985)	
EM122	<b>Maintenance Welding Part I - General Welding Safety and Tank Repair</b> .....	52
	The first in a series of three videos, this video covers fire hazards, hazard prevention, extinguishing fires, and body and eye protection. It explains various non-welding methods of tank repair and the proper procedure for the dangerous task of welding or cutting a tank. Michigan T <sup>2</sup> Center (1995)	
EM123	<b>Maintenance Welding Part II - Gas Welding and Metal Identification</b> .....	87
	This video explains the proper maintenance of gas welding equipment and regular setup. It also demonstrates techniques for cutting various types of metal stock, fusion welding, and brazing. Also demonstrated is metal identification using chemicals, flame, and the spark test. Michigan T <sup>2</sup> Center (1995)	
EM124	<b>Maintenance Welding Part III - Arc Welding</b> .....	50
	Explained in this video are how an arc welder works, welder setup, and special safety issues, such as open circuit voltage, ventilation, and eye and body protection. It also describes the various electrodes and their uses. Michigan T <sup>2</sup> Center (1995)	
EM125	<b>Equipment Management Series (S)</b>	
	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. FHWA (1997)	
	<b>Introduction to EMS</b> .....	19
	<b>Equipment Inventory</b> .....	19
	<b>Equipment Maintenance</b> .....	19
	<b>Parts and Supplies Management</b> .....	19
	<b>Financial Management</b> .....	19
	<b>Equipment Management Information Sub-System and EMS</b>	

	Implementation .....	19
EM126	Equipment Management System .....	17
	This video discusses the various elements of an EMS, including shop management, inventory control, fluid dispensing, and financial control. FHWA, Tech Transfer, LTAP (c.1995)	
EM130	Public Sector Fleet Retreading Programs .....	8
	Briefly describes the advantages of retreading tires. California's Waste Management Board (1995)	
EM131	Dispelling Myths about Rubber on the Road.....	6
	Discussion about retread info from the Tire Retread Information Bureau (2001). International Tire and Rubber Association and Tire Retread Info. Bureau (2001.)	
EM132	Fleet Tire Service/OSHA Compliance Training Program .....	101
	.... This program is centered on five TIA and industry videos compiled on one tape. The first two videos describe the step-by-step procedures and safety guidelines for demounting, mounting, and inflating both single- and multi-piece tire and rim assemblies. The third video focuses specifically on inspection procedures for identifying potential zipper ruptures in steel cord radial medium and light truck tires. The final two videos address disc wheel and demountable rim service and maintenance and inspection procedures, respectively. (1995)Tire Industry Association, Louisville, KY, phone: 502-968-8900 or 1-800-426-8835 [Comment: 7/25-2005 Very good safety points and shows tools needed for proper tire repair]	
	Supplements:	
	EM132-A Instructor's Guide—American Retreaders Assoc. (1995)	
	EM132-B Accuride Rim/Wheel Safety & Service Manual—Accuride	

## **Operation**

EO100	Tow Type Sweeper Operations and PM-A.....	25
	The first of a four part series, this portion contains operating and maintenance procedures involving the tow-type sweeper. Basic servicing techniques such as changing engine oil and oil filters and cleaning battery terminals and air filters. Along with the afore mentioned, lubrication of all grease fittings is also covered. Utah DOT (c. 1990)	
	Pneumatic Tire Roller Operations .....	18
	Checking and servicing machinery prior to any job is essential. This video is a training presentation on how to perform these checks and services on a pneumatic tire roller. It also illustrates the proper operating procedures to follow in running a pneumatic tire roller. Utah DOT (c. 1990)	
	Roller PM-A.....	13
	This portion discusses periodic preventive maintenance and daily checks of pneumatic tire and steel rollers. A step-by-step demonstration of the preventive maintenance performed on rollers is shown. Utah DOT (c. 1990)	
	Steel Wheel Roller Operations.....	22
	This segment illustrates correct operating techniques for the steel wheel roller and discusses six important steps: daily checks, engine start-up, towing the roller, basic operation, rolling techniques, and shutting down the engine. Utah DOT (c. 1990)	
EO105	Crack Sealer Operations Parts I and II.....	30
	Part I of this video takes an in-depth look at the major components of the crack sealer. The location of valves and controls, together with their specific functions, is discussed in detail. Part II illustrates the operation of the crack sealer, including daily checks, lighting the burners, agitation, application, and clean up at the end of the day. Utah DOT (c.1990)	
	Tar Pot Operations .....	18

	This segment of the video looks at the tar pot and how it works. It also features a discussion on the circulation system of the tar pot and its operational advantages. Among the areas covered during this section are daily checks, filling the tar pot, heating materials, using the spray equipment, and clean up. Utah DOT (c.1990)	
	<b>Crack Sealer/Tar Pot PM-A</b> .....	10
	This portion of the video concentrates on the periodic maintenance of the crack sealer. A few of the areas addressed in this video are cleaning the air filter, lubricating the throttle linkage, and cleaning the battery terminal. Utah DOT (c. 1990)	
EO106	<b>Crane Operation Parts I and II</b> .....	48
	This two-part video concentrates on the safe and effective operation of a crane. Part I of this portion looks at daily preventive maintenance checks on two types of cranes: the yard runner and the crane mounted in a truck bed. Part II covers crane operation, including driving the crane to lad, and rigging, lifting, and carrying the load. Utah DOT (c. 1990)	
	<b>Winch, Auger, Bucket Operation Parts I and II</b> .....	37
	There are three major functions that an auger bucket truck performs; these functions depend on the operation of the boom. The emphasis of this two-part video is on the safe, efficient operation of the boom, daily preventive maintenance checks, and observing on-the-job operations of the winch, auger, and bucket. Utah DOT (c. 1990)	
	<b>Forklift Operation Parts I and II</b> .....	22
	This segment takes a look at how forklifts operate, including the gears and the movement and tilt of the fork. In Part I of this video, operating techniques are reviewed, while preventive maintenance is the subject of Part II, including start-up and shutdown procedures. Utah DOT (c. 1990)	
	<b>Rotary Mower Operation Parts I, II and PM-A</b> .....	35
	This section has three portions, each dealing with rotary mower operation. Part I focuses on daily inspection and service of the tractor and mower prior to beginning work. Part II covers operation of the rotary mower, from start-up to shutdown. Part III covers the preventive maintenance checks that should be performed after every forty hours of operation. Utah DOT (c. 1990)	
EO107	<b>Air Compressor Operations</b> .....	9
	This video, produced by the Utah Department of Transportation, demonstrates the proper daily checks, start-70, and hook-up procedures to be performed by the operator of an air compressor. Illustrations of operating techniques, as well as shutdown procedures, are included in this nine-minute video. Utah DOT (c. 1990)	
EO108	<b>Making the Most With Scrapers</b> .....	18
	This segment concentrates on tips that can be used to increase the production of scrapers and lower the hauling costs. Such techniques include loading, pushing, traffic pattern design, haul road design, cut maintenance, proper spotting in the cut, and compaction in the fill. Caterpillar (c. 1990)	
	<b>Loading Logic</b> .....	12
	Discussed in this video are techniques used by front loaders to increase loading production including material handling, haul road construction and maintenance, elimination of bottlenecks at the dump area, and load and carry methods. Caterpillar (c. 1990)	
	<b>D10 - The New Shape of Value</b> .....	14
	This video discusses development, testing program, and utilization of the new, elevated sprocket DIO tractor. Also discussed are the benefits of the D-10 tractor, such as push loading, ripping, and dozing. Caterpillar (c. 1990)	
EO109	<b>Operating Tips: Elevating Scrapers</b> .....	13
	Discussed in this video are techniques for proper operation of elevating scrapers in various situations. It also discusses inspection, start-up procedures, and work-alone features such as cutting and loading material. Caterpillar (c. 1990)	
	<b>Push-Pull Scrapers</b> .....	13

	This video discusses techniques for proper operation of Push-Pull scrapers in the cut. Caterpillar (c. 1990)	
	<b>Off Highway Trucks</b> .....	17
	This video concentrates on techniques for pre-operation inspection: use and control of steering and brake mechanisms, transmission, and dump control. Safe operation of trucks while hauling loads is also covered. Caterpillar (c. 1990)	
	<b>Track Type Tractor</b> .....	17
	Covered in this video are techniques used by good operators of track type tractors. Included are pre-inspection starting procedures, bulldozing, land clearing, ripping, pushing loading scrapers, tandem loading scrapers, and shutdown procedures. Caterpillar (c. 1990)	
EO110	<b>Taking Control of Your Motor Grader</b> .....	19
	Produced by John Deere, this video familiarizes the new operator with the grader control levers and demonstrates several options available that will help the operator with accuracy on the job. Some of the specifications covered in this video are blade pitch positions and blade angles, circle rotation angle to the left or right, and hydraulic movement of wheels. John Deere (1990)	
	<i>[Comment: 1/20/09 Good training tips for both new operators and vets.]</i>	
EO111	<b>How to Get More out of Your Motor Grader</b> .....	19
	In this video, a professional motor grader operator demonstrates creative use of the multiple functions of the motor grader. Conditions vary from job to job and this video focuses on making passes, slopes, ditches, and more. This video looks also at road construction and maintenance to demonstrate how to get more from the motor grader. John Deere (1990)	
	<i>[Comment: 1/18/2005 Good Review Tape]</i>	
EO112	<b>Operating Guide: Motor Grader</b> .....	20
	This video discusses knowing your motor grader and covers the walk-around inspection, as well as shutdown. The emphasis is placed on safety. Caterpillar (c. 1990)	
	<i>[Comment: 1/20/09 Pretty old, almost outdated, but good information on walk around.]</i>	
	<b>Operating Tips: Motor Grader</b> .....	20
	Provided in this video are tips on running the motor grader. This video illustrates pre-trip inspection, cleaning ditches and shoulders, back sloping, cutting high banks, spreading material, and more. Caterpillar (c. 1990)	
	<i>[Comment: 3/2/1999 Needs to be updated as far as equipment]</i>	
EO113	<b>Motor Grader Operation - Part I</b> .....	17
	This video covers start-up procedures and was designed to give operators a start in developing skill to operate a motor grader. Utah DOT (c. 1990)	
	<i>[Comment: 1/20/09 We had to mess with this tape in order to watch it. Very poor visual quality.]</i>	
EO114	<b>Motor Grader Operation - Part II</b> .....	18
	Addressed in this video is motor grader operation (such as maneuvering) and shutdown procedures. Utah (c. 1990)	
EO115	<b>Motor Grader Operation - Part III and PMA</b> .....	30
	This video covers various operational techniques and actual work situations, as well as preventive maintenance activities. Utah DOT (c.1990)	
EO116	<b>Motor Grader Drying Aggregate, Blade Mixing and Patching</b> .....	25
	This three-part video discusses drying aggregate to produce a good blade mix parching material. Good grader operator skills through suggestions on proper use of articulation, blade angle and pitch, how to establish straight shoulder lines, windrow position, blending and tapering ends and edges, maintaining the crown, etc. MDOH (1990)	
	<i>[Comment: 12/27/2004 somewhat dated... not professionally done, but still good for patching.]</i>	
EO117	<b>Blading Unpaved Roads</b> .....	22
	This tape covers many facets of unpaved road. Suggestions are given about the upkeep of	

	gravel roads, driveways, and bridges. Also covered, with in-depth description, are the maintenance and operation of a grader used on unpaved roads. FHWA/NACE (c.1990)	
EO118	<b>Loader Operation - Part I</b> .....	20
	Addressed in this video are pre-trip inspection, start-up procedures, loader controls, and shutdown. WS DOT (c. 1990)	
EO119	<b>Loader Operation - Part II and PMA</b> .....	25
	This video covers maneuvering and operating loaders, as well as preventive maintenance activities. Utah DOT (c. 1990)	
EO120	<b>Tilt Bed Trailers - Part I</b> .....	15
	This video addresses pre-trip inspection, hooking up the truck and trailer, and the loading and securing of equipment. WS DOT (c. 1990)	
EO121	<b>Tilt Bed Trailers - Part II</b> .....	10
	Featured in this video are practical tips on towing and maneuvering, unloading procedures, and loading trailers with materials other than heavy equipment. WS DOT (c.1990)	
EO122	<b>Your Responsibilities as a Dump Truck Driver</b> .....	25
	This tape discusses pre-driving and post-driving checks, operation, and basic safety precautions. Arlington County DOPW (c. 1990)	
	<i>[Comment: 11/18/1999 Tape was tailored to specific Arlington County employees. Some aspects applied only to them.]</i>	
EO123	<b>Dump Truck Operations, I-IV and PMA</b> .....	90
	There are many types of dump trucks, but this tape series focuses on single-axle and tandem-axle dump trucks. Part I deals with daily checks and start-up and shutdown procedures for both types. Part II discusses operating procedures for single-axle dump trucks, while Part III discusses techniques for tandem-axle dump trucks. Part IV deals with hook-up, towing, loading, dumping, spreading, and unhooking the pups that dump trucks use in hauling materials. The PM-A portion reviews preventive maintenance procedures and daily-check requirements for single-axle and tandem-axle dump trucks. Utah DOT (c. 1990)	
	<i>[Comment: 12/27/2004 Very, very basic]</i>	
EO124	<b>Guidelines for Quality Paving</b> .....	10
	This video was designed to help meet or exceed paving specifications and finish jobs faster. It reviews basic paving procedures, paver components, and their functions. BLAW-KNOX (1987)	
EO125	<b>Backhoe-Parts I and II</b> .....	20
	This video covers the basic parts and functions of the backhoe, proper pre-use inspection, various operating techniques, and proper shutdown procedures. Del DOT (c. 1990)	
EO126	<b>Hydraulic Excavators Operating Guide</b> .....	20
	This video stresses the importance of the operator fully understanding their machine and teaches them to “expect the unexpected.” Maneuvers covered in this video include opening and sloping a trench, setting pipe, tunneling, manholes, and basement digging. A walk-around inspection and proper shutdown procedures are also shown. Caterpillar (c. 1990)	
EO127	<b>Operating Tips Motor Patrol</b> .....	19
	Covered in this video are operations such as flat-blading, back-sloping, blading drop-offs, spreading material, repairing potholes, and more. A walk-around inspection is covered, as well as a proper shutdown. Caterpillar (c. 1990)	
EO128	<b>Use of Steel Teeth In a Grader</b> .....	10
	This video gives some installation basics to follow when using steel teeth. It shows how they can be used to remove packed snow, grade gravel roads, and to scarify oil gravel. The maintenance and storage of the blade and teeth is also covered. Finn RA (1992)	
EO129	<b>Cat H-Series Motor Grader Government Applications</b> .....	29
	This tape demonstrates motor grader uses and techniques in the following areas: ditch building and cleaning, back sloping, shoulder grading, roadway maintenance, and spreading borrow. Caterpillar (1996)	

EO130	<b>Cat H-Series Motor Grader Contractor Applications .....</b>	<b>27</b>
	This videotape covers typical operations that contractors that on and offers you ways to increase your productivity, lower your costs, and increase satisfaction in the results. Several operations are featured in this tape including: maintaining haul roads, placing fill, finishing back slopes, cutting sidewalk and curb grade, and finish grading. Caterpillar (1996)	
EO131	<b>Advanced Motor Grader Operating Techniques.....</b>	<b>14</b>
	Designed to help the experienced motor grader to be more efficient, this tape discusses general road maintenance, ditching techniques, and re-shaping deteriorated tools. Caterpillar (1992)	
EO132	<b>Medium Wheel Loader Operator Orientation and Training .....</b>	<b>26</b>
	This tape shows how the operator can get the most out of the loader. It helps them optimize loader performance to get more done. Caterpillar (1993)	
EO133	<b>Track Type Tractor Operator Tips.....</b>	<b>21</b>
	This video is designed to help train operators on correct operating techniques for track type tractors. It includes information on safety the walk-around inspection, the operator's compartment and start-up, dozing, ripping, pushing scrapers, and shutdown. Caterpillar (1990)	
EO134	<b>Backhoe Loader Operating Tips .....</b>	<b>36</b>
	This videotape covers the recommended operating tips for the Caterpillar Backhoe Loaders. The tape details the following topics: safety, walk-around, loader controls and start-up, loader operating techniques, backhoe controls, backhoe operating techniques, and shutting the machine down. US Fish Wildlife Service and Caterpillar (91)	
EO135	<b>544E/624E/644E Operation and Maintenance Overview.....</b>	<b>28</b>
	Discussed in this tape are the features and specifications of all three models. Also included are steps for basic maintenance, specific time use maintenance, and operation instructions. John Deere (1988)	
EO136	<b>John Deere 444E Operation and Maintenance Overview.....</b>	<b>23</b>
	This video covers specifications and features of the 444E as well as daily and as needed maintenance, time use maintenance, and operating instructions. John Deere (1988)	
EO137	<b>544G, 624G, 644G 4WD Loader Operational Overview .....</b>	<b>27</b>
	Provided is a review of operational guidelines and primary service points for the three models listed. Also included are important features, specifications, starting, and operating. John Deere (1993)	
EO138	<b>710D Operation and Maintenance Overview .....</b>	<b>17</b>
	This tape provides a review of operational guidelines and primary service points for the 710D model. Also included are important features, specifications, starting, and operating. John Deere (1993)	
EO139	<b>John Deere D-Series Backhoe Loader Safety, Maintenance and Operation .</b>	<b>32</b>
	Safety focused, this video includes topics such as everyday maintenance and operation of the D-Series backhoe loader. It is provided as a supplement to the owner's manual and includes a section on pre-start walk-around and daily service, controls and safety systems, and safety tips. John Deere (1994)	
EO140	<b>Deere 300 H-Series 4WD Loader Safety, Maintenance and Operation .....</b>	<b>26</b>
	This video is safety focused with topics including everyday maintenance and operation of the 300 H-series 4WD Loader. It is provided as a supplement to the owner's manual and includes a section on pre-start walk-around and daily service, controls and safety systems, and safety tips. John Deere (1999)	
EO141	<b>John Deere 690E-LC Excavator Safety, Maintenance and Operation.....</b>	<b>38</b>
	Safety focused, this video includes topics such as everyday maintenance and operation of the 690E-LC excavator. It is provided as a supplement to the owner's manual and includes a	



section on pre-start walk-around and daily service, controls and safety systems, and safety tips.  
John Deere (1995)

EO142 Lockout/Tagout of Construction Equipment ..... 24  
This tape focuses on controlling hazardous energy for the service and repair of construction equipment. Main topics include sources, methods, and lockout/tagout procedures. Also ..... included are OSHA guidelines for program formulations that are specific instructions, training, and periodic audits. VISTA (1998)  
*[Comment: 5/3/2005 Very good, updated data. Quality material. Informative.]*

EO144 Transport Trailer Safety: Get More Out of Your Equipment ..... 24  
Addresses correct loading, tie-down, transport, and unloading of different types of heavy equipment on all types of trailers including tag-alongs, detachable goose necks, beaver tail, and fixed neck lowboys. Eighteen different types of equipment are addressed. Other topics include knowing the trailer's rated capacity; correct trailer placement prior to loading; snow, wet, muddy loading and unloading situations; dangers of loading track-type equipment; and chain types and restricted use of tie-down chain. VISTA (1995)  
*(Also available in DVD177 Transport Trailer Safety)*

EO145 Load Securement Program..... 58  
Covered in this video is how to conduct examinations of loads and securements and the importance of rechecking them as to prevent damages, wrecks, etc. Some of the topics covered are rules for calculating, securement, safe ways for tightening and loosening binders, tarping, and more. It also stresses the importance of understanding and complying with company rules and government regulations. Specialized Carriers & Rigging Assoc. (1995)  
*[Comment: 5/10/12 This DVD helped us understand requirements. I felt it helped us understand the information we needed best.]*

EO146 Right of Way Mowing Safety ..... 25  
This video covers many aspects of daily pre-start inspection, knowing your equipment, and making sure it is in good working order. There are many hidden hazards while mowing and this video looks at protecting yourself, others, and the equipment. Safety precautions to take while operating the mower are covered as well. VISTA (1996)

EO147 Mower Safety ..... 10  
Covered in this video is the safe operation of small mowers such as lawn mowers.

EO148 On Again, Off Again: A Guide to Mounting and Dismounting Heavy Equipment ..... 18  
This video provides a training tool for counties to address the increasing injuries from mounting and dismounting heavy equipment. It covers how much is lost due to falls from equipment. Also covered are the proper mounting procedures, what to do if you're falling, basic first aid that can be administered, and problems that may be encountered while dismounting. Association of County Commissioners of Oklahoma (2003)

EO149 Forklift Safety – Real Life ..... 16  
Each year, over 100 workers are killed and almost 95,000 seriously injured in forklift accidents.  
This valuable program provides important information about safe forklift operating procedures that will protect your workers from painful injuries and financial loss. (Coastal 2002)

EO150 Forklift Case Histories: Serious Business..... 18  
Perhaps nothing emphasizes the significance of this program better than the beginning of the program itself: "This training program presents re-enactments of four actual accidents which occurred on or around forklifts and walkies. Your life may depend on learning from the mistakes of these  
*[Comment: 8/26/2004 Worth showing to instill discussion.*  
*Comment: 11/14/06 Good reminder of how quickly accident can happen.]*

EO151	<b>Forklift Safety: Fundamentals</b> ..... 18
	Shown in this video is what separates a skilled forklift operator from the operator who needs to learn new on-truck behavior. Pre-use inspection and equipment inspection are covered, as well as design, controls, instrumentation, and the load. Coastal (1990)
EO152	<b>Forklift Safety: Operations</b> ..... 18
	This video covers operating conditions, such as surface conditions, along with probable loads and their stability. Also covered in proper load manipulation, which involves stacking and unstacking. Along with the above-mentioned operating conditions, special hazards and basic safety rules are covered. Coastal (1990)
EO154	<b>Backhoe Loader: Pre-Start Inspection</b> ..... 12
	Created to help both new and experienced operators understand what to look for in a daily pre-start inspection. This video emphasizes looking beyond the ordinary to help avoid equipment failures. VISTA (1992)
EO155	<b>Backhoe Loader: Safe Operating Techniques</b> ..... 16
	A wide variety of working applications provides a broad appeal to this video. Any operator who watches this lesson in safe operating techniques and fails to learn something new has just slept through the entire video. VISTA (1992)
EO160	<b>Crawler Excavator: Pre-start Inspection</b> ..... 10
	Created to help operators understand the importance of a thorough daily walk-around inspection. Points out several important things to look for which may be early warning signs of possible trouble spots. VISTA (1993)
EO161	<b>Crawler Excavator: Safe Operating Techniques</b> ..... 23
	Scenes have been carefully selected to support the safe operation message. Footage of actual accidents occurring with excavators helps reinforce the safety message. VISTA (1993)
EO164	<b>Dump Truck Safety – 2002</b> ..... 15
	Safety awareness program, emphasizing job site safety and procedures for anyone operating dump trucks. Reminder on daily maintenance inspections, loading/unloading procedures. (Digital-2000 2002)
EO165	<b>Dump Truck Safety</b> ..... 14
	Safe operation practices for semi-trailer and single body trucks are covered by this video. Department of Labor accidents are used to provide examples of the dangers of backing, uneven terrain and tip-overs. A paper mill hauling operation is the backdrop for a complete view of the dangers of anyone operating a large dump truck. Includes: pre-operation inspection, causes of accidents, loading and unloading, load distribution and surging. Vista – 2001 <i>[Comment: 1/25/2006 Good Tape! – for checking trucks before operating.]</i>
EO166	<b>Thinking Ahead: Driver’s Safety</b> ..... 14
	Safe driving practices are a requirement for all construction workers who operate trucks on the job. Includes pre-start inspection, proper loading, focus on driving, safe driving and backing. Vista/AGC of America 1996 <i>[Comment: 10/7/2006 “To the point”]</i>
EO167	<b>The Roll of the Drums</b> ..... 20
	This video discusses taking unnecessary risks on construction work sites. Caterpillar Tractor Company (c. 1985)
	<b>Shake Hands with Danger</b> ..... 23
	Covered in this video are operating and maintaining earth moving machinery safely, how to position idle equipment, service techniques, and the consequences of common accidents. Caterpillar Tractor Company (c. 1985) <i>[Comment: 3/4/2005 Older film, but good points.]</i>
EO168	<b>It Always Happens to the Other Guy</b> ..... 20
	This video illustrates accidents and mistakes with heavy construction equipment. National Safeties Council’s Accident Prevention Program and John Deere (c. 1990) <i>[Comment: 3/4/2005 Interesting and to the point; has a lot of the same footage in it as</i>

	<i>SG174.]</i>	
EO169	<b>Split Seconds, Split Lives</b> .....	23
	This video contains scenarios of various heavy equipment accidents and how these accidents affect the victim, the victim's family, and others in the victim's life. It stresses that many times accidents are caused by taking risks that people take every day until something finally happens. The tape emphasizes that a person can't be too safe or too careful. John Deere (c. 1990)	
EO170	<b>John Deere Consolidated Industrial Safety</b> .....	1:53:42
	This video is split up into many different sections. The first section shows numerous cases of heavy equipment operators and what the mistakes they made. Section two discusses the safety of tractor starting systems. In section three, the importance of reading warning/danger signs is stressed. You'll hear cases of mistakes operators made while operating heavy equipment in section four. Section five will show you some accidents on the job, stressing safety. In section six, safe logging procedures are shown, as well as some mistakes made on the job. In the last section of this video, you will see safety techniques and some of the most common accidents; it will make you aware of some types of injuries that can occur. John Deere (1992)	
EO175	<b>You Owe It to Yourself</b> .....	11
	This tape covers one aspect of equipment safety: Backing. It demonstrates good backing procedures for the garage area, yard, and worksites. Pennsylvania DOT (c. 1990)	
EO176	<b>Backing</b> .....	13
	This video discusses precautions to take in order to prevent accidents and to reduce common problems caused by backing; covers precautions to be considered when backing trucks or equipment. MDT (c. 1990)	
EO180	<b>Chainsaw Safety</b> .....	20
	This video depicts the "How To" and "How Not To" of using a chainsaw. It compares the work habits of tow men and shows in graphic detail the consequences of bad work habits. Oregon T <sup>2</sup> Center (1984)	
EO185	<b>Farm Tractor Safety Is No Accident</b> .....	17
	This video draws a parallel between the safety checks an airplane pilot checks and those that should be completed by a farm machinery operator. Graphic re-enactments of accidents illustrate the importance of safe operation and maintenance of farm machinery. CASE (1986)	
EO186	<b>Accidents Last Forever</b> .....	6
	This video looks at some of the accidents on farms and how to avoid them.	
EO187	<b>Tractor Accidents--It's Not Gonna Happen To Me</b> .....	22
	This video stresses the importance of respect for your tractor. You should know yourself and your machine very well before mounting. It covers pre-operational safety, operation safety, and how following safety rules can save your life and keep you from serious harm. Vocational Ed. Program (c.1990)	
EO188	<b>Tractor Safety--Farm Tractor</b> .....	12
	Stressed in this video is the importance of "slowing down" and being safe. Safety should always come above anything else. John Deere (c. 1990)	
EO198	<b>800 Miles of Winter</b> .....	28
	Construction of a 48 inch pipeline from Prudhoe Bay to Valdez to move north slope oil to oil tankers. Also covered is the use of standard and specialized heavy construction equipment in difficult environmental situations. Caterpillar (c.1990)	
	<b>Undersea at Seabrook</b> .....	25
	This video concentrates on the construction of a nuclear power station at Seabrook, New Hampshire. In Seabrook, a self-elevating sea going work platform, tunneling, and drilling operations are utilized. Morrison & Knudsen Corporation (c.1990)	
	<b>Explosives, A Tool for Progress</b> .....	25

This video discusses a use of explosives in preparing foundations, including planning, drilling, pre-splitting, explosive types, handling, and transportation techniques. Explosives Industry (c. 1990)

Why Handle It Twice? ..... 16

This video concentrates on the extraction of coal using heavy equipment. Also covered is continuous reclamation of land minimizing the handling of the coal and topsoil. Open pit mining using short hauls and thorough planning is also discussed. Caterpillar (c. 1990)

## ROADS

### *Construction*

RC105	Technical Advancements for Maintenance Workers ..... 12 Geared towards chief administrative officers, this video describes the development of new materials, equipment, and procedures to help maintenance workers operate more efficiently and safely. SHRP (1990)	12
RC106	Roadway Design: Balancing Safety, Environment, and Cost (S) .....13 The objective of this video is two-fold: first, to help educate citizens and public officials on issues affecting roadway design, and second, to demonstrate engineering practices that are useful in achieving the balance between safety, the environment, and cost. State of Minnesota Local Road Research Board (c. 1995)	13
RC107	Building the Notched Wedge Joint ..... 8 This video was made by the National Pavement Association and explains the techniques and advantages of building roads using the notched wedge joint. NAPA (c.1990)	8
RC110	SmartRoad Virginia DOT (2000) ..... 7 Improving transportation systems through advanced technologies. This video focuses on a 2 mile stretch of road in West Virginia that uses different types of experimental technology to create a smart road with a computer centralized system. The system knows what is going on with the road at all times.	7
RC115	The Swedish Way (part 1) and Sweroad Maintenance (part 2) Forsgren Produktion (c. 1990) ..... 41	41

### *Site Evaluation, Soil Testing, Stabilization*

RC200	Subsurface Investigation: "The Reason Why" ..... 19 This video illustrates the importance of subsurface investigation in developing safe, economical designs for transportation facilities. FHWA, Caltrans Transport Laboratory, US DOT, and California DOT (c. 1990)	19
RC201	Field Aggregate Sampling ..... 12 How to obtain and test aggregate samples in the field is the topic covered in this video. Caterpillar and Utah DOT (c. 1990)	12
RC202	Standard Soils Tests ..... 120 This series describes several AASHTO soil tests. Oklahoma DOT (c. 1990) AASHTO T-88 Particle Size Hydrometer Analysis of Soils AASHTO T-89 Liquid Limit AASHTO T-90 Plastic Limit and Plasticity Index AASHTO T-205 Density of Rubber Balloon AASHTO T-238 Density by Nuclear Gauge AASHTO T-99 Density/Moisture AASHTO T-27 Fine and Coarse Sieve Analysis	120
RC203	Stabilization for Low Volume Roads ..... 11 This video discusses the use of stabilization agents in low volume roads to increase drainage,	11

	extend the life of the road, and reduce maintenance. ARTBA (c. 1990)	
RC204	<b>Stabilization - Holding the Roads</b> .....	30
	Covered in this video is the use of additives, such as lime and fly ash, to build a stabilized road. It illustrates the advantages of stabilized roads over surface treated roads. KOEHRING Road Division (c. 1990)	
RC205	<b>Lime: The Versatile Stabilizer in Construction</b> .....	25
	This video is a documentary covering use of lime for stabilizing highly plastic clay soils and aggregates for road building. The tape also covers the historical use of lime and its production for use in the present. National Lime Association (c. 1990)	

***Retaining Walls and Embankments***

RC303	<b>Launched Soil Nails</b> .....	21
	This video documents the soil nail launcher at work in a variety of applications during a rigorous four-state tour, during which forest and civil engineers observed and commented on the design, logistics, and managerial issues. College of Forestry, Oregon State University (1993)	

***Engineering Management***

RC400	<b>Basics of Local Road and Engineering</b> .....	60
	This video covers basic design considerations for rural roads: capacity, geometrics, drainage, pavements, safety, frost heaves, and signage. Transportation Information Exchange, St. Michael's College Vermont (c. 1990)	
RC401	<b>Equipment Management System (EMS)</b> .....	35
	This video describes the implementation and benefits of an equipment management system designed to provide the right equipment at the right time and at a lower cost. FHWA (1989)	
RC402	<b>Maintenance Management System (MMS)</b> .....	35
	Described in this video is a system to provide an efficient method for planning, directing, and controlling maintenance activities. FHWA (1989)	
RC403	<b>Pavement Management Systems</b> .....	5
	This video explains the advantages of a pavement management system. It also introduces several pavement management programs. USACRREL (1990)	
RC404	<b>Pavement Management Systems for Local Administrators</b> .....	18
	This video introduces the concepts, benefits, and costs of implementing a management system at the local government level. DOT/FHWA (1990)	
RC405	<b>Subdivisions: A Local Dilemma</b> .....	30
	Demonstrated in this video are problems that subdivisions must face prior to development. This video covers sewage, water, impact on wildlife, regulations, and laws. MSU (1985)	
RC410	<b>A Gift of Value</b> .....	10
	This tape concentrates on skills, budget cooperation, and budget limitations where better care for roads and streets is concerned. Municipalities and their budget limitations are of special concern. FHWA, Pennsylvania DOT, and Rural Tech. Assistance Program (c. 1990)	
RC411	<b>Pavement Management for Local Decision Makers</b> .....	113
	In this videoconference, the California and FHWA requirements of a Pavement Management System (PMS) are covered. Also covered are the benefits of a PMS and some funding decisions and reports to show local decision makers how badly roads need to be renovated. FHWA (c. 1990)	
RC412	<b>PaveScan</b> .....	7
	Pavescan is a revolutionary new pavement data acquisition system, which uses high-speed ground .... penetrating radar and laser profiling to inspect pavement for flaws, faults, distress, rutting, layer	

	thickness, and profile at up to 500 lane miles per day. EG & G Management Systems International (1996)	
RC500	Highway Built on Sand.....	10
	This video illustrates the design and construction techniques used to build a highway base from Fomex, a silty sand. MSU (1985)	
RC501	Quality in the Constructed Project.....	15
	This tape has been designed to bring your members up to date on progress. It addresses what quality is and how to achieve it in construction projects. ASCE (1989)	
RC502	Road Construction Ahead (For Kids) .....	30
	This video outlines the process of a road being built in a simple way that children will understand. It includes blasting through mountains, the roller packing the pavement, the process of asphalt mixing, and more. Focus Video Production (1991)	
RC504	Highway Management Series Tape One (S)	
	This program defines scheduling, work load distribution, and scheduling. FHWA (1997)	
	Highway Management Systems Series-Introduction.....	20
	Pavement Management Systems (PMS): An Overview .....	21
	PMS Data Collection/Management .....	23
	Developing and Implementing Pavement Management Systems.....	23
RC505	Highway Management Series Tape Two (S)	
	This is a continuation of ideas presented in RC504, which discusses Work Authorization and Scheduling Levels. FHWA (1997)	
	Maintenance Management Systems: An Overview .....	20
	Developing Maintenance Standards .....	22
	MMS-Work Planning Process .....	22
	MMS-Work Authorization and Scheduling.....	19
	MMS-Work Reporting and Evaluation.....	18

***Asphalt and Pavements***

RM102	Guidelines for Spring Highway Use Restrictions (S) .....	26
	This video presents an overview of the problem and discusses where to apply load restrictions, the amount of load restrictions to apply, and when to apply and remove load restrictions. It also includes a sample problem showing the data collection and calculations for determining the Freezing Index and Thawing Index. FHWA, Washington State DOT (c. 1990)	
RM107	On Solid Ground: .....	18
	This video was designed to help reduce the risk of accidents related to excavating and trenching. It provides a summary of the requirements and examples of methods that must be followed to establish an effective safety program. Associated General Contractors of America (c. 1995)	
RM112	Pothole Repair.....	10
	Covered in this video are key pothole repair steps such as signing, marking, cutting, cleaning, tacking, filling, and compacting. RTAP (1986)	
RM114	Asphalt Paving Inspection Parts 1-3 .....	59
	This video explores the use of old tires in an asphalt mixture to pave roads and highways to insure a life expectancy three times longer than that of conventional asphalt. International Surfacing, Inc. and BSN (c. 1990)	
RM115	Rolling Plant Mix.....	10
	Shown in this video are the purposes and various methods of asphalt compaction. Asphalt Institute (c. 1990)	

RM116	Asphalt Paving Inspection .....	30
	Discussed in this video is the sampling of aggregate, storage, cold feed, mixing plant, and plant inspection. Utah DOT/FHWA (c. 1990)	
RM117	Placing Asphalt Hot Mix .....	22
	This video describes recommended methods for placing asphalt hot mix to produce high quality, smooth asphalt pavements. The Asphalt Institute, National Asphalt Pavement Assoc. (c. 1990)	
RM118	Recycling Roads With Asphalt Emulsions .....	20
	This video highlights methods and materials used in the US to recycle low-volume roads and construct asphalt-strengthened bases. A central mixing facility and in-place operations are shown, focusing on the advantages of cold-mix recycling as a cost effective road rehabilitation and improvement option. Iowa State University (c. 1990)	
RM119	Better Roads With Petromat Fabric .....	30
	Shown in this video is how to extend the life of existing roadways with the use of petromat and an asphalt overlay. Phillips (1966)	
RM120	Asphalt Pavement Applications .....	30
	This video covers basic design factors affecting seal coats. It focuses on the surface application of fog seals and chip seals. ITE (1986)	
RM121	Potholes - Causes, Cures and Prevention.....	10
	Demonstrated in this video are pothole repair techniques. It also discusses how potholes occur and how to repair them. Also covered is how to establish a pothole repair program and various preventive techniques. US Corps of Engineers (c. 1990)	
RM122	Patching With Hand tools .....	10
	Temporary and Permanent Pothole Patching.....	20
	This section covers the procedures, tools, and materials used in temporary and permanent pothole patching. The process starts with the loading of the truck and is followed through to the final compaction. Factors that help to create potholes are also discussed. Utah DOT (c. 1990)	
	Sealing Cracks .....	13
	This portion discusses the steps to follow for sealing cracks in pavement. The process is detailed from cleaning the cracks to filling and compacting the material. Utah DOT (c. 1990)	
RM123	Bituminous Concrete Paving .....	45
	A three part video covering preliminary checks, equipment used, preparing the area, tack coat operations, delivery of hot mix, paving, compacting, transverse joints, and acceptance tests. Washington State DOT (c. 1990)	
RM124	Bituminous Plant Inspection .....	37
	This video offers basic information about bituminous plants; materials composing bituminous concrete, drain mix plants, and more. Washington State DOT (c. 1990)	
RM126	The Beaver Pond Leveler: One Solution (S).....	92
	This video helps prevent the flooding or plugging up of culverts caused by beaver dams while trying to maintain the positive effects of the beaver ponds. A teleconference question and answer session follows the presentation. Clemson University CES (1992)	
RM128	Pavement Structure Repair Techniques: Shoulder Maintenance (S).....	20
	This video discusses procedures for reshaping of the shoulder. Low shoulder repair and high shoulder repair are discussed in detail. Shoulder widths, slope, drainage, equipment required, and work zone sign placement are also reviewed. NC Inst. For Trans. Research (1989)	
	Asphalt Chip Seal .....	20
	This tape discusses the conditions under which chip sealing is an effective maintenance technique. Included are roadway preparation, weather limitations, equipment needed, and proper application procedures. NC. Inst. For Trans. Research (1989)	

	Pothole Patching .....	17
	Potholes are a safety hazard that can slow traffic, damage vehicles, and lead to serious road damage if not repaired. This video concentrates on a defined set of procedures for effective pothole patching and discusses necessary equipment. NC. Inst. For Trans. Research (1989)	
	Crack Sealing .....	16
	This video addresses types and causes of cracks, procedures for crack sealing, equipment needed, and types of sealant used. NC. Inst. For Trans. Research (1989)	
	Basic Traffic Control .....	10
	This tape discusses traffic control for slow moving operations such as repairs during patching, shoulder or ditch maintenance, and for continuously moving operations such as crack sealing and asphalt chip seals. Sign specifications, spacing, and flagging of work zone areas are also reviewed. NC. Inst. For Trans. Research (1989)	
RM129	Base Repair .....	12
	When pavement has settled below the level of the surrounding pavement, it must be stripped away so the base of the road can be leveled off and repaved. This video demonstrates the procedures for base repair, giving a detailed analysis of each step. NC. Inst. For Trans. Research (1989)	
RM136	Truck Impacts on Pavement.....	20
	This tape, prepared by the FHWA in an effort to keep the highway industry fully informed on the effects of truck operations on highways. It also identifies the factors that affect pavement performance. It discusses how truckload and configuration affect pavement. FHWA and US DOT (c. 1990)	
RM137	Save that Road .....	36
	An in-depth look at chip sealing, site selection, roadway preparation, equipment needs and operation, and common associated problems. Oklahoma DOT (1980)	
RM138	Asphalt Roadway Rehabilitation .....	6
	This video details the most cost effective and life lengthening asphalt rehabilitation method. ....Also discussed is how to determine the proper rehabilitation alternative by evaluating existing roads, understanding applications of different strategies, and selecting preferred method types of rehabilitation. LTAP (1995)	
RM139	Chip Seal Application .....	40
	Part I of this video covers the materials, equipment, surface preparation, and application rates ..... for chip seal. Part II covers the actual chip seal application and Part III details some chip seal application problems. LTAP (1995)	
RM140	Asphalt Paving Inspection Parts I-III.....	60
	This video provides the information needed to effectively inspect asphalt-paving operations. It also covers preliminary responsibilities such as documents and field review. It also details the paving operation and problems encountered during asphalt paving inspection. LTAP (1995)	
RM141	Maintaining Asphalt Roads: Blade Patching .....	12
	Discussed in this video are the proper procedures for effective blade patching. NMSHTD (1993)	
RM143	Seal Coating: A Matter of Science and Skill .....	17
	This video provides maintenance workers with a lesson on how to perform a high quality "chip seal," a seal coat composed of an asphalt binder followed by a layer of crushed rock. This video presents a clear message on what to do and what not to do during a seal coating operation. Min, Local Road Research Board and Minnesota DOT (c. 1995)	
RM144	Asphalt Maintenance Techniques .....	85
	Included in this video is information on seal coating, asphalt overlay, cutouts and repair, crack filling, striping, and geotextiles. Video University Productions (1993)	



RM145	Paving Techniques .....	37
	As road maintenance costs grow and passenger car and truck maintenance climbs, oil consumption for poorly surfaced roads is increasing. This video presents a documented argument for doing the job right. Video University Productions (1992)	
RM146	Paving and Compaction Training .....	103
	This video discusses the basics of paving and compaction procedures such as general information on tractors and screeds, adjusting tow height, using extendible screeds, matching the roller to the job, and longitudinal joints and roller patterns. Video University Productions (1992)	
RM150	Special Hot Mixes SMA-ATPB-Rubberized.....	46
	This video explores the advantages and characteristics of splitmastic asphalt, details use of ATPB as a drainage medium, and explains how rubberized hot mix is made and used. Video University Productions (1992)	
RM151	Here's How a Hot Mix Plant Works .....	55
	This video starts with cold feed and follows the entire batch and drum mix plant process, including the exhaust system and clear through load out. Video University Productions (1992)	
RM154	Technical Advancements for Maintenance Managers (Part 1) and Paving the Way for Tomorrow's Highways (Part 2).....	30
	This series looks at some of the research SHRP is doing to help with maintenance such as new road patching materials and highway safety. Also covered is some of the research SHRP is doing with road equipment such as snow and ice removal equipment. It also covers SHRP's methods of making asphalt last longer and predicting when maintenance is needed. SHRP (c. 1990)	
RM155	Road Management Systems .....	6
	This video covers systems that help get the most out of a road management budget by using already formulated plans and also discusses some of the advantages to these plans. US Corps. Of Engineering and FHWA (1990)	
RM156	Emulsified Cold Mix.....	10
	A bad road surface can be equally as hard on vehicles as it is on the structure itself. Well-constructed asphalt is too expensive for light traffic roads and gravel roads are not good enough. So what's the solution? Emulsified Cold Mix. This video discusses how it is made and why it should be used. LTAP- BSN (1990)	
RM157	Handling Hot Mix Asphalt (TAS-20).....	16
	This video is targeted for the training of ground crew personnel at a paving work site. It provides tips and practice techniques for shoveling and raking of HMA. It can also be used to reinforce proper techniques for experienced paving crews. NAPA (1994)	
RM158	What is Hot Mix Asphalt .....	11
	This video can be used as part of an informational presentation at meetings held by civic organizations or as an educational tool by schools and is suitable for viewing by audiences ranging from newly hired contractor personnel to local industrial zoning boards. NAPA (1994)	
RM159	Innovations for "Doing-It-Right": A Report on the Strategic Highway Research Program (SHRP) .....	300
	Through this video, you will learn improved and innovative materials and procedures for surface repairs of pavement, how to build asphalt pavements that will not rut, ways for saving valuable crew time, the best maintenance materials for a job, and much more. APWA along with Oklahoma State Univ. and FHWA (1994)	
RM160	Pavement Repair - Do the Right Thing at the Right Time .....	21
	This video tells you how to decide when a road needs to be repaired and the type of procedure that should be used. Minnesota DOT	
RM161	Alkali-Silica Testing .....	20

	Discussed in this video is how to determine if a road has alkali-silica cracking and how to prevent it and how to test for it. SHRP (c. 1990)	
RM163	Pavement Maintenance and Worker Safety .....	16
RM165	Understanding Superpave Mix Design .....	13
	Process for designing hot mix asphalt pavements. It should help you to understand the equipment and process involved in implementing this technology to improve the performance of asphalt pavements. FHWA & NAPA (2000)	
RM167	Utility Cut Repair: Doing it Right .....	11
	This video provides information with respect to repairing the roadway after an open cut has been made to repair or service a utility and will show how doing things the wrong way costs everyone money, headaches, and time. Minnesota Local Road Research Board (1996)	
RM168	Utility Cuts in Paved Roads .....	41
	This video discusses making safe and effective utility cuts in pavement with as little traffic .... disruption as possible. It also discusses the steps necessary to obtain the required permits and where responsibility lies to make proper repairs. LTAP (1996)	
RM169	Hot Mix Asphalt is the Best Buy All of the Time .....	9
	This video discusses the advantages of hot mix asphalt pavement such as durability, ease of maintenance, and safety. National Asphalt Pavement Association (1997)	
RM170	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
	Many PCC roads are reaching 40 years of age and are suffering deterioration from years of heavy loads. Cracks and other types of deterioration are causing problems. The insertion of dowel bars at joints reduces cracking and increases road life. This video explains the rationale behind retrofitting with dowel bars, dowel bar insertion, and other load transfer devices. FHWA and Washington State DOT (c. 1990)	
RM171	Protecting our Pavements: PREVENTIVE Maintenance .....	14
	The tape conveys the transportation system preservation messages: establish dedicated funding, improve strategic planning and programming, and apply the right treatment at the right time, as discussed by five veteran Chief Engineers. FHWA & Michigan, Georgia, Texas, Wisconsin, and Minnesota DOT (c. 1990)	
RM172	Guide to Getting Smoother Pavement, “Highways Fit for a King”	
	This video discusses how you can make a smoother highway surface by showing you how ..... Arizona developed a way to make their road surfaces smoother. FHWA & AZ DOT (c. 1990)	
	Contractor Version.....	16
	State DOT Version.....	22
RM173	Preventative Maintenance Project Selection.....	30
	This video discusses preventive pavement maintenance, specifically techniques and training, improved planning methods, and dedicated funding. FHWA and Georgia, Minnesota, Michigan, and Wisconsin DOT (c. 1990)	
RM175	Innovative Pavement Maintenance .....	5
	This video shows a spray-injection system that is used in pavement patching. US DOT, SHRP, Colorado DOT (1998)	
RM177	Working It Out Together .....	8
	Discussed in this video is how citizens and asphalt plants work together so that both can be happy without giving up much. The plant can be successful without compromising the community. National Asphalt and Pavement Assoc. (c. 1995)	
RM179	The NCAT: Believe in the Future.....	9
	This video discusses NCAT: how it started and the processes it went through to get where it	

	is now. NAPA (2000)	
RM180	New Research into Cost-Effective Pavement Repairs.....	19
	Covered are the four most common maintenance activities, which include pothole repairs, spall repairs, crack sealing, and joint filling/sealing. The goal of this video is to give you an idea of how to pick the best combination of materials and procedures for maintaining pavement. SHRP (1992)	
RM182	Paving Site Work Practices for Quality It's Up to You! .....	30
	This video outlines the importance of the worker to help ensure that the job is done correctly and safely. The pavement can't do its job unless the worker does their job. NAPA (c. 1995)	
RM184	Right Road, Right Treatment, Right Time.....	30
	Stressed in this video is "keeping good roads good." The main focus is on project selection – the right road, the right treatment, and the right time. Also covered is how planned preventive maintenance and cost-effective treatments can extend the life of structurally sound pavements. FHWA & Foundation for Pavement Preservation (c. 1990)	
RM185	Effective Pavement Preservation by Identifying Distress Conditions, Causes and Cures .....	18
	The focus of this video is preventive maintenance and how to plan a strategy of cost-effective means to retard future deterioration. It will assist you in recognizing the common causes of distress through visual identification. It also gives ideas of available means to preserve pavements for these conditions. Resources for the best, most cost-effective solution for the situation are also discussed. Ohio LTAP (2002)	

**Concrete**

RM200	Concrete Field Testing and Sampling.....	25
	This video shows the complete process for the concrete field tester. It shows tests for slump, air content, unit weight, chase indicator, kellyball, and preparation of concrete cylinders for strength tests. Utah DOT (c. 1990)	
RM201	Field Testing - Concrete.....	34
	Organized into three portions, this video covers preparation, sampling, and testing; slump test and casting cylinders; and air content. Washington State DOT (c. 1990)	
RM202	Patch PCC With PCC.....	13
	This video features maintenance of existing, well traveled roads by patching and joint sealing with Portland cement concrete. Specific operations covered include: determining the extent of damage, marking the area, saw cutting, removing concrete, sandblasting, etc. 1989	
	Patch PCC With Bituminous Materials .....	10
	This video covers the repair procedures used when patching Portland cement with bituminous materials. 1989	
	PCC Joint Sealing .....	10
	Demonstrated in this video is the Portland cement concrete joint sealing and the procedures used. 1989	
RM203	Building or Replacing Intersections With Concrete .....	8
	This video discusses the problems associated with asphalt and the advantages of using Portland Cement Concrete. Variables such as maintenance costs, safety, quality, and specifications are examined. American Concrete Pavement Association (c. 1990)	
RM205	Quality of Concrete on Site.....	67
	This video covers a broad range of tests that one can do to test the quality of concrete on the job site. It also includes new tests that were put together by SHRP. (c. 1990)	
RM210	Better Ways to Build... With Cement Treated Base .....	10
	This shows the guidelines and steps taken in making full depth concrete repairs. Northwest Cement Producers Group (c. 1995)	

**Gravel**

RM300	Maintain Non-Hard Surfaces - Dirt Roads ..... 9	This video discusses the procedures for pulling the barrow pit on one side of the road and pulling the material to the other side. This video also shows how to repeat this process without changing the grade of the road.
RM306	Rural Roads: A New Approach ..... 27	This video discusses the money and maintenance problems counties face with rural roads. It illustrates how the Local Technical Assistance Program aids counties in finding solutions. MSU Film and TV (1984)
RM307	Upgrading Gravel Roads..... 22	Illustrated in this video are the techniques and cost evaluation of upgrading rural gravel roads. MSU (1985)
RM308	Maintaining Granular Surfaced Roads..... 16	Developed to aid the motor grader operator, this video covers maintaining unsurfaced roads. Oklahoma Center for Local Government Technology (c. 1990)
RM310	Pavement Structure Repair Techniques	This two-part video covers gravel road and ditch maintenance. FHWA, 1989
	Maintenance of Gravel Roads (S) ..... 27	This video includes an overview of motor grader operation and inspection, blade operation, routine maintenance of gravel roads, reshaping, pothole scarification, and special situations often encountered by the motor grader operator. Oklahoma State University and Iowa Highway Research Board (c. 1990)
	Ditch Maintenance ..... 17	This video discusses proper ditch maintenance, equipment, and traffic control sign placement by concentrating on the three goals of ditch maintenance. These three goals are to clean out the ditch, reshape the ditch, and establish the original flow-line of the ditch. Oklahoma State University and Iowa Highway Research Board (c. 1990)
RM311	Problems with Gravel Roads ..... 55	In this video, the causes of gravel roads are discussed, as well as the proper methods of preventing or correcting gravel road problems. Problems addressed include environment, materials, and the proper maintenance equipment and techniques. LTAP, 1995
RM315	Using Calcium Chloride to Improve Secondary Roads ..... 9	This video discusses treating gravel roads with calcium chloride to maintain moisture content which will help in surface stabilization and dust control. Tetra Chemical (c. 1990)
RM316	Low Volume Roads Series (S)	This program covers the basics of setting maintenance priorities for rural roads. The key goals of a maintenance program are to reduce road deterioration, limit vehicle-operating costs, and keep roads open. A classification system can be used to set maintenance priorities. FHWA and International Road Federation (1996)
	Setting Maintenance Priorities for Low-Volume Roads..... 19	
	Managing Maintenance for Low-Volume Roads ..... 19	
RM318	Gravel Road Maintenance: USDA Forest Service (Set of 5 videos)	
	1. Forest Roads and the Environment ..... 18	This segment shows the disadvantages of forest roads and how they can disrupt many aspects of the environment. It discusses how to have the roads we need and how to safeguard the environment at the same time. FHWA and USDA Forest Service (2002)
	2. Reading the Traveled Way ..... 16	This portion takes a look at some of the things you'll need to be aware of before beginning expensive and time-consuming repair work with heavy equipment. It also shows you how to identify some common problems, their causes, and solutions, both short-term and long-term. FHWA and USDA Forest Service (2002)

3. Reading Beyond the Traveled Way ..... 16:30  
This video examines some of the common problems that develop beyond the traveled way. It will also show their solutions, both short-term and long-term, that may be necessary to correct them. FHWA and USDA Forest Service (2002)
4. Smoothing and Reshaping the Traveled Way..... 17:30  
There are two primary methods for maintaining the three different templates for roads. This video discusses those two methods, smoothing and reshaping. It talks about which one is used for what and how they are both used for routine maintenance and to correct problems. FHWA and USDA Forest Service (2002)
5. Maintaining the Ditch and Surface Cross Drains ..... 16  
This video discusses the two primary methods of effectively maintaining surface cross drains and ditches. These two methods are to either heel the ditch or pull the ditch. No matter which method is used, it is always important to carefully consider the work you're planning to do. FHWA and USDA Forest Service (2002)

***Fabrics and Geo-textiles***

- RM401 Installation of Geo-textiles on Gravel Roads..... 40  
This video discusses the maintenance of low volume roads using geo-textile fabrics. It also compares non-woven fabric to the canvas-woven fabric commonly used. This video also covers techniques in laying the geo-textile fabric, dumping the gravel, and proper mixtures of rock, gravel, and fines. Center for Local Government Technology (1990)

***Drainage, Culverts, Erosion***

- RM500 Maintain Drainage ..... 11  
This video stresses the importance of proper drainage. It illustrates common drainage problems and how to repair them. Utah DOT (c. 1990)
- Remove Minor Slides and Clear Cut Ditches ..... 12  
This video illustrates appropriate traffic control, equipment used, how to maintain original grade and slope, and cleanup after the work is completed. Utah DOT (c.1990)
- Edge Rut Repair and Grade Gravel Shoulders ..... 12  
Demonstrated in this video are setting up proper traffic control
- RM502 Highway Runoff Water Quality (WSDOT)..... 33  
This video provides the basic tools to do an impact evaluation of highway runoff for specific projects. It also highlights a research project on this subject.  
Washington State DOT (1983)
- RM503 Drainage Pipe Placement ..... 17  
Covered in this video are the proper methods of excavating, compacting, and filling of pipe installation. Pennsylvania DOT (c. 1990)
- RM504 Corrugated Steel Pipe: Culvert Repair Method ..... 10  
Explained is a process of culvert repair using small diameter plastic or steel pipe. The advantages include better strength and compaction. Oklahoma DOT (1984)
- RM505 Aluminum Structural Plate & Box Culverts ..... 11  
This video discusses the advantages of aluminum structures and how they are the proven, practical, and cost efficient solution for small bridge replacement. It takes you through the process of a small bridge being replaced with an aluminum box culvert.  
Contech Construction Products, Inc. (c. 1990)
- RM508 Pipe Trench Compaction..... 8  
This video shows what happens when pipe trench compaction is not done properly.  
Pennsylvania DOT (c. 1990)
- RM509 Creating Meadows Through Maintenance and Construction ..... 8  
At the Cibola National Forest, the USFS maintains over 600 miles of low volume roads.

	This video shows some problems that these roads create for the meadows they run through and some solutions. Also discussed are the corrections made to restore these meadows. USDA Forest Service (c. 1990)	
RM510	<b>Soil Erosion &amp; Sediment Control</b> .....	32
	This video considers the erosion process and particularly the accelerated erosion caused by ...land-disturbing activities like construction, mining, and forestry. Also, a range of practices and technologies are focused on, both structural and non-structural, which control soil erosion by keeping a cover on the surface. American Society of Civil Engineers (1994)	
RM511	<b>The Importance of Road Drainage</b> .....	18
	This video discusses the roadway considerations and the inspection of drainage systems. It also addresses the environmental issues associated with road drainage, federal and state permits, and liability for elements of design and maintenance. US DOT and FHWA (c. 1990)	
RM512	<b>Proper Installation of Corrugated Steel Drainage Structures</b> .....	14
	Discussed in this video is the proper installation of these drainage structures. The video covers some general principles of excavation, foundation preparation, pipe handling, pipe assembly, and backfilling. Also covered is a variety of other techniques used in installing a drainage structure. National Corrugated Steel Pipe Association & American Iron and Steel Institute (c. 1990)	
RM520	<b>Getting Across: Introduction (6/03)</b> .....	6
	This video covers watershed and culvert trouble, and how these structures lead to blocked passages for aquatic life. Culverts change the water velocity and the flow rates of water. Along with this, they can also cause many other problems. USDA Forest Service, San Dimas Technology & Development Center, and FHWA (c. 1990)	
RM521	<b>Getting Across: General Overview (6/03)</b> .....	16
	..... A follow-up to RM520, this video discusses culverts and the problems that they cause. It talks more extensively about problems culverts can cause, one possible solution and why it works. It discusses the importance of having culverts suitable to aquatic life. USDA Forest Service, San Dimas Technology & Development Center, and FHWA (c. 1990)	
RM525	<b>Stormwater Runoff: I Can Make a Difference</b> .....	15
	This video discusses elements in stormwater runoff, including oil, grease, harmful bacteria, pesticides, and fertilizers. These are just a few of the dangerous elements that can be found in stormwater runoff. This new program describes these and other devastating effects of stormwater runoff and shows how the government and private industry can work together to clean it up—before the problems set in. Coastal (2003)	
RM531	<b>Grounds for Concern</b> .....	22
	This video stresses the importance of safety on the construction worksite. It covers proper planning, equipment, and safety procedures necessary for stabilizing trenches, and more. Construction Safety Association of Ontario (c. 1990)	
RM532	<b>Cave-In! <i>Trenching and Shoring Safety</i></b> .....	18
	This video teaches you how to protect yourself by learning more about trench soil, trench protective systems, atmospheric hazards, and safety practices for excavation work. Coastal	

***Snow and Ice Removal***

RM700	<b>Wetted Salt (with liquid calcium chloride) (revised)</b> .....	20
	From the Dow Chemical Company, this video explains how calcium chloride works to melt snow and ice faster and at lower temperatures than plain salt. It goes on to explain why the use of liquid calcium chloride does not add to the cost of a winter maintenance program. It concludes by reviewing the three methods for pre-wetting rock salt with liquid calcium.	

	Dow Chemical Company (1989)	
RM701	<b>White Gold</b> .....	26
	Produced by APWA, this video presents an overview of aspects of snow fighting. It covers training, planning, salt/abrasive application, and equipment.	
	APWA and University of New Hampshire (1983)	
RM702	<b>Plow Power</b> .....	15
	This videotape provides a training experience for snow plow drivers by showing the proper technique for residential and local highway plowing. Actual plowing scenes depict the use of one-way, reversible, wing, and tandem plowing procedures for roads and cul-de-sacs. Responsibility to the public and safety issues are also stressed. APWA (c. 1990)	
RM703	<b>Snow Removal on Secondary Roads</b> .....	25
	This is an instructional video for basic snow removal procedures. Highway Research Board and NHTSA (c. 1990)	
RM704	<b>Safety Restoration Snow Removal - Guidelines</b> .....	25
	During the winter months, motorists may encounter hazardous conditions, especially where there are snow removal operations underway. This presentation describes these operations and also addresses maintenance remedies to utilize in post-snowstorm cleaning. US DOT/FHWA (1984)	
RM705	<b>Straight Blade Snow Plows, Parts I and II</b> .....	20
	Specific aspects of snow plow maintenance and operation is covered in this section. Part I concentrates on mounting, daily checks, and storing. The basic procedures necessary to keep the plow on the road are also discussed. Part II illustrates techniques in getting the snow off the road: keeping in mind the speed, direction, and positioning of the plow blade. Utah DOT (c. 1990)	
	<b>Highway Sanders</b> .....	13
	This section illustrates how to get the ultimate performance from a sander. Among the procedures discussed are hook-up of the sander and hydraulic hoses, daily checks, operation, clean up, and storage. Utah DOT (c. 1990)	
	<b>Highway Sanders Calibration</b> .....	13
	This 13-minute video addresses the procedures followed in calibrating a sander, the equipment needed, and methods used to perform specific calculations. Utah DOT (c. 1990)	
	<b>Plow Snow and Apply Salt, Parts I and II</b> .....	28
	The final portion of this video covers subjects such as equipment, supplies, the route you will be covering, and types of service. This section also discusses different types of snow, temperature considerations, and various plowing procedures. Utah DOT (c. 1990)	
RM706	<b>Snowfighting From A to Z</b>	
	This video provides a practical and comprehensive look at snow and ice control on streets and highways. It is a collection of three sections designed to show effective and efficient methods of snow and ice control. Salt Institute (1992)	
	<b>The Snowfighters (S)</b> .....	25
	A practical look at what makes a good snow fighter; addresses the need for reliable equipment, thorough preparation, spreader calibration, and salt. Salt Institute (1992)	
	<b>Salt: The Sensible Deicer</b> .....	15
	This portion deals with the economical uses of salt and the benefits of salt use. Salt Institute (1992)	
	<b>Salt: The Essence of Life</b> .....	25
	Discussed in this portion are the various sources of salt, extraction of salt using explosives, processing of salt, and the uses for it. Salt Institute (1992)	
	<i>[Comment: 1/31/2005 We don't use salt around here, but was good about maintenance.]</i>	
RM707	<b>What is Anti-Icing?</b> .....	9
	This video uncovers the basics of anti-icing the process and procedures. FHWA and US	

	DOT and US Army Cold Research and Engineering Laboratory (c. 1990)	
RM708	Effective Snow Fences.....	21
	Discussed in this video is how cost-effective snow fence technology helps to keep snow removal costs down. This video covers the design, implementation, and benefits of effective snow fences. SHRP (1993)	
RM709	Response to Winter .....	21
	This video informs you on the levels of winter service the Pennsylvania DOT expects to provide, how it prepares for winter, and what the department does during and after a snowstorm. PA DOT (1993)	
RM710	Anatomy of a Winter Storm.....	10
	Snow and ice removal operations have the potential to disrupt traffic flow and increase the chance of collisions. This video provides an opportunity for the public to explore how they can identify and respond to snow and ice removal operations. MN DOT (1991)	
RM711	Plows of the Future .....	8
	This video takes a look at a more advanced plow. Shown are the advantages of a scoop and why it should be used. The new plow promises a safer, more efficient snow-plowing procedure. SHRP (1993)	
RM712	Snow and Ice Control.....	12
	The Strategic Highway Research Program looked into finding better ways of removing snow and ice from pavement and keeping it off. This video shows the results of this research. Shown are several products that can save money and lives and help reduce damage to the environment. SHRP (1993)	
RM713	Stay Ahead of the Storm .....	20
	Snow and ice can be a big enemy for road crews. But by using a Road Weather Information System (RWIS), snow and ice maintenance managers can improve the allocation of labor, materials, and equipment. The results show rapid, cost-effective, and pre-emptive responses to adverse weather and improved conditions for drivers. This video looks at how an RWIS works and the advantages of using an RWIS. SHRP and FHWA (c. 1990)	
RM714	Evaluation Procedures for Deicing Chemicals .....	10
	This video gives a brief look at each of the 12 primary tests for deicing chemicals. It covers what type each test is and what it should be used on. SHRP (c. 1990)	
RM715	Anti-Icing for Maintenance Personnel.....	13
	Meant to help maintenance managers implement effective anti-icing field personnel, this video looks at icing programs. It stresses the importance of the right tools, materials, equipment, personnel, and strategy at the right time and the right place. Also covered are pre-wetting and liquid chemicals. FHWA, CRREL US Army Cold Research and Engineering Laboratory (c. 1990)	
RM716	The Snowfighters .....	21
	This video shows the importance of having dependable equipment, proper salt and sand storage and use, pre-wetting, and much more, along with live footage of operators in action during various weather conditions. Salt Institute (c. 1990)	
RM717	Snowplow Safety .....	23
	This video is ideal for training newly hired snow plow operators and as a refresher for experienced operators and includes topics such as equipment inspection, positioning of the truck, scanning, mirror use, defensive driving techniques, and collision prevention techniques. National Safety Council (1995)	
	<i>[Comment: 11/23/1999 Great overall view of snowplowing; covered important aspects of operation.]</i>	
	<i>[Comment: 1/31/2005 Good video to show to remind people of safety.]</i>	
RM718	Snowplow Safety - Parking Lots .....	19
	Topics included in this video are pre-season site preparation, equipment inspection, scanning for hazards, clearing entrances and exits, working with other snow removal equipment,	



	where to locate plowed snow, and special considerations when plowing 24-hour operations. National Safety Council (1995)	
RM719	Using Snow Plows on Motorgraders .....	15
	This video details the correct way to attach snow plows to motor graders and basic information .....on using snow plows. The video addresses three different types of plows: front single, v-plow, and the wing plow. FHWA and US DOT (c. 1990)	
RM720	The New Generation of Snow and Ice Control, Anti-icing and RWIS .....	7
	This video promotes the use of road weather information systems (RWIS) and anti-icing as effective snow and ice control methods. FHWA (c. 1995)	
RM721	Cat H-Series Motor Grader Snow Removal Applications.....	21
	This tape covers typical snow plowing operations and offers you ways to maximize your grader's production potential, and provide well maintained roads at lower overall costs. Operations featured in this tape are ground level winging, tapered bank, benching, reversible plow, and the v-plow. Caterpillar (1997) <i>[Comment: 1/31/2005 Gives good knowledge on snow plowing.]</i>	
RM723	Snow & Ice Control .....	57
	This video has numerous parts; it talks about a variety of things that are associated with snow and ice control. It covers the different types of plows, spreaders, blades, and procedures. Also covered is weather forecasting and chemical application, pre-storm preparation, and plowing techniques. Illinois DOT (2001)	
RM724	Snow Removal In Safety .....	30
	Snow removal requires working in difficult conditions with difficult equipment. This video shows how snow-removal operations can be organized and carried out with less risk of accidents. It covers seasonal preparation, road safety, spreading abrasives, maintenance of sidewalks, and more. APWA (c. 1990) <i>[Comment: 12/1/2011: Video was full of good info and prompted good class discussion afterwards.]</i>	
RM725	Snow Equipment Operation (#3 Winter Operations Training Program) .....	10
	This video covers the regular equipment checks that need to be done each time you leave the .. shop. It also covers post-storm equipment checks and clean-up, radio procedures, protocol, and the clothing that should be worn out on the road. Iowa DOT (c. 1990)	
RM726	"Plowing Techniques" (#4 Winter Operations Training Program) .....	29
	This video shows basic snow-plowing techniques, including techniques for two-lane roads and multiple lane highways. It covers the operation of reverse plows, V-plows, wings, and ice-blades. Some other topics included are truck handling, visibility, blading techniques, inspecting equipment, and much more. Iowa DOT (c. 1990)	
<b>Weed Control</b>		
RM800	Chemical Control of Vegetation .....	13
	This video shows a five-step procedure for effective weed control, reasons for it, and equipment needed. Utah DOT (c. 1990)	
	Mowing.....	9
	Shown in this video are the proper procedures for mowing, when it should be done, and where. Utah DOT (c.1990)	
RM803	Weed Control.....	12
RM805	Innovative Tumbleweed Removal (NM LTAP).....	7
	In this video, a mechanized solution to get rid of tumbleweeds quickly and efficiently is shown. New Mexico LTAP (1996)	

## **SAFETY**

### ***Barriers and Guardrails***

SB101	Special Barriers: Bridge Rails, Transition Barriers, Crash Attenuators ..... 38 This Florida DOT videotape discusses functional requirements and safety upgrading of various types of barriers and tell what happens if these requirements are not met. It also covers what maintenance people should be on the lookout for, including rail height, connections, continuity, transition between different types of guardrails and evidence of damage. Florida DOT (c.1990)
SB105	Recent Crash Tests of Roadside Safety Hardware ..... 56 This video illustrates various crash tests or roadside barriers such as guardrails, bridge rails, f-shape barriers, and mailboxes. FHWA (1992)
SB106	Barrier Delineation Systems in Work Zones: The Well-Defined Path ( <i>S</i> ) .... 25 These concrete safety-shaped barriers aid in work zone safety by directing traffic around construction work zones. Proper placement, standards, delineation techniques, and maintenance of these barriers are discussed. FHWA (1993)
SB110	Functional Requirements of Highway Safety Features: Part I..... 75 This video emphasizes on safe establishment and maintenance of clear zones, safe slope angles for ditch areas, and performance of barriers. It also has useful information on types of barriers and factors that determine which type to use. Oklahoma DOT, US DOT, and FHWA (c. 1990)
SB111	Functional Requirements of Highway Safety Features: Part II ..... 76 There is an emphasis on end treatments and transitions for all types of barriers. Purpose and functional requirements of highway pavement surfaces and shoulders are also covered. Also discussed are elements of pavements and shoulders that contribute to poor performance, and proper and improper installation. US DOT and FHWA (c. 1990)
SB112	Functional Requirements of Highway Safety Features: Part III..... 111 This video places an emphasis on safe placement, shielding, and/or removal of structures near roadways. Drainage culvert coverings, side berms, breakaway supports, luminary systems, and crash cushions are all covered as well. US DOT and FHWA (c. 1990)
SB114	Functional Requirements of Highway Safety Features: Part IV..... 92 This video is split into segments. The first segment looks carefully at roadside slopes and ditches. It covers some of the factors affecting safety, some possible safety treatments, and describes proper and improper installation and maintenance procedures. The next segment covers some basic principles of traffic control devices to gain a fuller understanding of these devices. Covered are some basic installation and maintenance procedures, as well as the purpose and field performance of many current markings and delineation devices. The types of signs, signals, and markings are discussed, along with visibility factors and inspection of these signs. FHWA and US DOT (c. 1990)
SB115	Making Safer Roads..... 13 This video discusses engineering safer highways by the elimination of roadside hazards through the proper installation of guardrails, crash cushions, breakaway utility poles, and clear zones. Insurance Institute for Highway Safety (1995)

### ***Driving***

SD100	Sharing the Road: A Federal and State Partnership in Commercial Vehicle Safety ..... 15 This is a unique cooperative endeavor between the federal government and the states to enforce uniform safety regulations for commercial vehicles and their drivers. It also explains
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	the MCSAP, Motor Carrier Safety Assistance Program. FHWA and Michigan State University (c. 1990)	
SD101	<b>Commercial Drivers License Series (3 tapes)</b> This series is excellent for license test preparation. It describes the new CDL regulations, with a focus on dump trucks, buses, and tractor-trailers. Pennsylvania DOT (c. 1990) Part I: Overview 14 Part II: Information For All Drivers: Vehicle Inspection, Operating Techniques, Safety 120 Part III: Transporting Cargo..... 15 Part IV: Transporting Passengers..... 15 Part V: Air Brakes..... 32 Part VI: Combination Vehicles..... 31 Part VII: Hazardous Materials ..... 46	
SD105	<b>Highway Safety: The Silent Factor..... 43</b> This program is explained in detail, including what it is and how the idea came to be. The video discusses the role that highway safety improvements play in reducing traffic accidents. An interview with the FHWA is the main source of information. FHWA (1989)	
SD106	<b>DOT: The Safer Roadside..... 18</b> This video discusses the guidelines and procedures the DOT has implemented in improving highway safety. WA DOT (1993)	
SD107	<b>Traffic Safety Series (S)</b> This program outlines the system for identifying and solving highway safety problems known as the Highway Safety Improvement Program Management System. FHWA (1997) Identifying Highway Safety Problems and Solutions..... 19 Evaluating and Selecting the Best Safety Alternatives..... 20 Evaluating Safety Program Results ..... 20	
SD116	<b>Driving Snow ..... 15</b> This video gives you vital information on ABS, tires, skid control, winter road hazards, four-wheel drive handling, and front-wheel drive handling. It is an excellent refresher for experienced drivers and a must for the winter-driving novice. Jackson Hole PD (1993) <i>[Comment: 2/15/2005 A little slow viewing, but information is relevant to snow and winter conditions.][Comment: 10/7/2006This video received several compliments from our drivers....][Comment: 11/9/2012 Background sounds overpower speaker at times.]</i>	
SD117	<b>Safe Winter Driving..... 17</b> This video will teach you how to avoid winter driving accidents; you'll learn to recognize winter hazards and how to prepare yourself and your vehicle for winter driving. Also reviewed are some safe winter-driving techniques. Coastal (1993)	
SD120	<b>Driven to Extremes: The Myths and Realities of Aggressive Driving ..... 12</b> This video discusses what makes you an aggressive driver, why it's important to relax on the road, and stresses the importance of making car time enjoyable rather than stressful. National Safety Council (c.1990) <i>[Comment: 6/21/2004 Good safety video.]</i>	
SD121	<b>Defensive Driving A Crash Course ..... 16</b> This video takes you on a crash course in defensive driving by explaining how to apply certain techniques whenever you're behind the wheel – even when you're not on the job. Coastal (1997) <i>[Comment: 6/29/1999 Video and materials were very well done.]</i> <i>[Comment: 4/2/1999 It was a good tape for review.]</i>	
SD122	<b>Defensive Driving Prepared for the Worst..... 18</b> This defines the various conditions that create hazardous driving situations. Coastal (1997)	

	<i>[Comment: 11/1999 Very good for everyone, but I liked "How to get out of snow drifts." ] \</i>	
	<i>[Comment: 2/15/2005 Good video for employees.]</i>	
SD123	<b>Defensive Driving for Government Employees .....</b>	<b>19</b>
	Every 12 minutes in the United States, someone dies in a car accident. Every 14 seconds someone suffers a disabling injury. That's nearly 43,000 deaths and countless more major injuries every year on our roads. And for government employees, motor vehicle accidents are by far the leading cause of death on the job. This new program looks at the techniques to help prevent accidents from happening, and in the case of unavoidable accidents, help lessen their severity. Coastal (2003)	
	<i>[Comment 9/15/2004 A dry subject but it is always good to be reminded of things we take for granted.]</i>	
	<i>[Comment 2/15/2005 Just okay.]</i>	
	<i>[Comment 2/21/2007 Very useful reminders about awareness at the wheel.]</i>	
SD125	<b>Driving Modern Roundabouts .....</b>	<b>10</b>
	This video explains the ways roundabouts work and how to drive in and out of them safely. (Washington State DOT 2002)	
SD124	<b>Scheduled Lives, Stressful Drives .....</b>	<b>22</b>
	How advanced traveling information system are changing the way we live our lives. US DOT (c. 1995)	
SD130	<b>Paths of Thunder - Safety at Railroad Crossings .....</b>	<b>20</b>
	This video discusses safe driving procedures and the use of common sense when negotiating railroad crossings. Florida East Coast Railway Company (1982)	
SD133	<b>Protecting Your Newborn .....</b>	<b>26</b>
	This video is extremely informative in the different materials available and the operations of car seats and the need to protect our young children from auto accident injuries. Because so many children are injured in auto accidents, this film is very helpful in seeking the right equipment to protect your child. NHSTA (1997)	
SD136	<b>Young Drivers: The High-Risk Years .....</b>	<b>16</b>
	Crash rates for young beginning drivers are much higher than for older drivers. This videotape listens to 16 year olds tell why they want their driver's licenses and what driving means to them. Parents of teenagers who died in crashes tell how the tragedies happened and how their families have been affected. The focus is on ways to reduce the crashes by limiting higher risk driving by beginning 16 year olds. Some of these include graduating licensing, parental limitations, and passenger restrictions. Insurance Institute for Highway Safety (2002)	
SD138	<b>Understanding Car Crashes: It's Basic Physics .....</b>	<b>22</b>
	What happens to vehicles and their occupants in crashes is determined by science. Using a series of vehicle maneuvers on a test track plus filmed results of vehicle crash tests, the relationship between crash forces and inertia, momentum and impulse is explained. It also explains how speed and vehicle weight are critical elements in the outcomes of car crashes and how basic physics explains why safety belts and airbags protect people in crashes. Insurance Institute for Highway Safety (2000)	
SD140	<b>On Country Roads - An Overview of Safety .....</b>	<b>15</b>
	This video depicts the problems faced by road crews and the public on country roads. National Extension Homemakers Council and NHWTSa (c. 1990)	
	<i>[Comment 2/4/12: We use this video to show to road crews.]</i>	
 <b>General</b>		
SG100	<b>Locating Buried Utilities.....</b>	<b>20</b>
	Covered in this video are special techniques needed to locate buried utility lines, why it's necessary to do so, and the required equipment. US Army Corps of Engineers (1992)	

SG101	<b>Subsurface Utility Engineering</b> ..... 13 Subsurface utility engineering provides accurate information on the horizontal and vertical location of underground utility facilities. This information can be used in the location and design of highway improvement and will minimize problems with underground utilities. The benefits of subsurface utility engineering are fewer delays in construction schedules, reduced construction costs, fewer contractor claims based on utility delays, fewer safety hazards and service interruptions, and lower bid prices. FHWA (1990)	13
SG102	<b>Dig Safely</b> ..... 7 There are four steps to the “Dig Safely” process. These steps are discussed in this video, they include calling before you dig, waiting the required time, respecting the marks, and digging with care. The video stresses the importance of knowing where underground utilities are before digging. Massaro Productions, Inc. (2000)	7
SG103	<b>Vault Safety</b> ..... 12 This video reviews safety tips and safety devices used when working in manholes. It offers information on the Tri-Tector which reads the amount of oxygen, chemical, and gas present.	12
SG104	<b>Dig Our Messages Not Our Pipelines</b> ..... 19 This tape shows people how to recognize and respond to a natural gas emergency. It goes on to explain preventive measures as well. The importance of precautions when preparing to dig in an area is also highlighted. Pacific Coast Gas Assoc. (c. 1990)	19
SG110	<b>Beware the Bite <i>Electrical Safety</i></b> ..... 14 This video discusses how to work safely with electricity by giving the rules for safe electrical work practices. <i>[Comment: Current and updated information, fulfills an OSHA Standard Annual Requirement.]</i>	14
SG111	<b>Power Line Hazard Awareness</b> ..... 17 Discussed in this video is keeping you and your coworkers alive when working near power lines. Some of the topics covered include avoiding touching power lines and what to do if the equipment being used comes in contact with a power line. The Center to Protect Workers’ Rights (c. 1990)	17
SG112	<b>Lightning Safety 101 – Short Course</b> ..... 10 This video describes lightning safety tips for recreation and work situations. Outdoor illustrations include ball fields, golf courses, swimming pools, small shelters, school .....playground, outdoor workers, and various machinery. Indoor scenes include swimming pools, substantial buildings, the office workplace and the home. (National Lightning Safety Institute 1999)	10
SG114	<b>Hearing Protections – Sounds Good to Me</b> ..... 14 The importance of hearing and how to protect it are illustrated in this video. Remember if you lose it, you can’t fix or replace it! (Coastal 2000)	14
SG115	<b>Oxyacetylene Safety</b> ..... 25 Outlined in this video are ten safety steps to follow each time you do oxyacetylene welding and what can happen when you don’t pay attention to those ten steps. Oregon T <sup>2</sup> Center (c. 1990) <i>[Comment: 11/22/06: The Oxyacetylene tape is in poor condition at the beginning of the tape]</i>	25
SG116	<b>LP Gas, Know the Facts</b> ..... 10 This video discusses liquid petroleum gas storage, the five main means of preventing dangerous circumstances, how to use LP gas appropriately, and how to detect leaks. USDOT/FHWA (1990)	10
SG117	<b>Welding Safety <i>Hard Hat Construction Series</i></b> ..... 10 This tape concentrates on maintaining a safe welding work zone and talks about the safety procedures for oxyfuel gas and electric arc welding. Coastal (1993) <i>[Comment: 5/7/1999 Good short video on basic welding safety.]</i>	10

	<i>Comment: 11/14/06 This is a good video. It showed several safety tips, plus health risks and hazards of various metals when welding.]</i>	
SG121	<b>Inside Maneuvers</b> .....	22
	This video discusses what is needed to perform confined space entry safely. Coastal 1997 <i>[Comment: 5/7/1999 This is a very concise review of confined space requirements and procedures.]</i>	
SG122	<b>Confined Space Entry <i>Permit Required!</i></b> .....	21
	Accidents in confined spaces can be prevented if employees learn about the hazards they face on the job. Coastal (c.1990) <i>[Comment: 11/9/2004 Very good video, up to date information.]</i>	
SG123	<b>Confined Space Case Histories</b> .....	14
	In this video, you watch as three different workmen are assigned to perform a task inside a confined space. You will see what they do wrong and what they do right. This video discusses what a confined space is and what needs to be done before entering and while in a confined space. Coastal (1995) <i>[Comment: 2/13/2007 Illustrates actual realistic accidents which can happen in confined space due to overlooking safety issues – excellent video]</i>	
SG125	<b>Fire Safety: Alert, Aware, Alive</b> .....	16
	<i>[Comment: 1/12/2005 Very good safety video.]</i>	
SG126	<b>Fire Safety <i>There's No Second Chance</i></b> .....	20
	Through this video, you'll learn what is needed to make a fire, the classes of fire, how to prevent fire, how to extinguish a fire, what is included in your organization's Emergency Action Plan, and what to do if you are involved in a fire.	
SG130	<b>Heat Stress</b> .....	16
	This video concentrates on heat stress and how the body handles heat, minor and major heat stress disorders, and how to control heat stress. Coastal (c. 1990) <i>[Comment: 5/11/06 This video is current and has up-to-date info]</i>	
SG131	<b>Heat Stress Prevention In Construction</b> .....	10
	Covers the important signs of a person going through heat stress and preventative measures to assist victim. (Don Brown Productions 1992)	
SG132	<b>Heat Stress</b> .....	17
	Symptoms to look for when working in the heat. Some humor involved to get the point across. (Don Brown Productions 1990)	
SG135	<b>Another World <i>Respiratory Protection</i></b> .....	22
	This videotape covers hazardous atmospheres you may face on the job, respirator types and selection, your employer's written Respiratory Protection Plan, medical evaluation, fit-testing, respirator maintenance, inspection, decontamination, and storage. Coastal (1998)	
SG140	<b>Hearing Protection <i>It Makes Sense</i></b> .....	22
	This video helps you understand how noise affects your ability to hear and provides ways employees and employers can work together to safeguard hearing. <i>[Comment: 3/3/2004 Very good training video.]</i> <i>[Comment: 1/12/2005 Very good video, both SG110 and SG158 are current with OSHA standards. Nice to use new videos.]</i>	
SG145	<b>Defending Your Safety Zone <i>Back Protection</i></b> .....	19
	This demonstrates how to help you prevent back injury and repetitive stress by showing you how your back works, proper body mechanics, zone defense, grasping and lifting techniques, mechanical advantage, and reverse stretches. (1997) <i>[Comment: Nice to have use of new videos. Very good info, kept everyone's interest.]</i>	
SG146	<b>Back Safety <i>Posture Mechanics Exercise</i></b> .....	19
	Demonstrated in this video is how to prevent back injury by showing you how your back works, how to lift and handle materials safely, and how a healthy lifestyle can protect your back. Coastal (1990)	

SG150	The Last Shot .....	14
	This video stresses the importance of gun safety and shows two teenage boys out in the woods with a .22 caliber rifle and the consequences that follow. Based on a true story. Al Madison Productions, Inc. (c. 1990)	
SG153	Stairways and Ladders – The First Step .....	18
	This video will show you how to safely use portable ladders, fixed ladders, and stairways. Covered in the video are proper ladder set-up, inspection and maintenance, and safe work practices. Also discussed are some different types of ladders. Coastal (1991) <i>[Comment: 5/3/2005 Very good updated information.]</i>	
SG155	Surviving The Cold.....	16
	This tape is about six people caught in severe weather and isolated from help.	
SG156	Winter Safety .....	14
	This videotape provides information about the causes and symptoms of hypothermia and frostbite, how to prevent and treat hypothermia and frostbite, and off-the-job winter safety. Coastal (1993)	
SG158	Survival! Al Madison Production .....	21
	Shown in this video are different cases of people being lost and what they could have done or should have done to have helped them or saved their life. Al Madison Productions, Inc. (c. 1990)	
SG159	How to Survive .....	104
	With this video, experience dramatic and personal stories of survival. Learn how to properly prepare for, react, and respond to life threatening situations and increase your chances of surviving. Discovery Communications, Inc. (1999) Helpful tips on survival are provided. American Red Cross (1984)	
SG160	Multiple Choices: A Test About Survival .....	25
	Presented in this video are the biographies of six men who were involved in construction accidents and how these accidents could have been prevented. Caterpillar – (c. 1990) <i>[Comment: 9/1/04 – Tape visual was cloudy in 3 different VCR’s. Content and sound are okay. Appears to be a copy of a copy.]</i>	
SG165	How to Develop & Implement a Safety Program.....	20
	This video discusses how to set up a safety program and what is involved, including legal responsibilities. Safety and Training Service (1990)	
SG166	Target Zero <i>Pro-Active Safety Attitudes</i> .....	16
	This tape discusses how to achieve the goal of zero accidents in the workplace by learning to use certain pro-active safety leadership qualities in safety programs. <i>[Comment: Needs more of a construction angle, rather than industrial.]</i>	
SG167	Safety Meetings: Give’ Em What They Want .....	16
	This video shows the fundamentals of a good safety meeting and more. Included are some tips for making safety meetings fun and worth the time for everyone involved. Some of the topics included are how to keep your audience focused, how to get them involved, and how to give meetings sizzle. Coastal (2000)	
SG168	Technical Advancements for Maintenance Workers.....	15
	This videotape, produced by the Strategic Highway Research Program, describes the development of new materials, equipment, and procedures to help maintenance workers operate more efficiently and safely. It describes a number of technical advancements for maintenance workers available from the SHRP Highway Operations Studies. A brochure is included with this videotape that lists these and other technical advancements. SHRP (c. 1990)	
SG169	Disaster Preparedness .....	20
	This video deals with disaster prevention issues you may face in your workplace. It covers emergency action plans, fire drills, what to do in case of a fire, and handling the concern of package bombs. Coastal (2001)	

SG170	MAYDAY - Emergency Notification System..... 10 This video provides an overview of MAYDAY test projects being conducted in various states. Colorado DOT (c.1995)	10
SG171	Emergency Action Plan – Crisis Under Control..... 16 This video goes over the basics of the Emergency Action Plan. Some topics covered include plan organization, evacuation, personal responsibility, and more. Coastal (2001)	16
SG175	Pro-Active Safety Attitudes <i>Looking Out for Number One</i> ..... 19 This video covers practicing prevention, responsibility, and protection from hazards.	19
SG176	The Race to Safety <i>Personal Protective Equipment</i> ..... 24 This is a video on Personal Protective Equipment (PPE). It covers work situations where PPE is necessary, the proper way to wear and adjust PPE, the limitations of PPE, and the proper care, maintenance, and disposal of PPE. <i>[Comment: 4/12/2000 Excellent video on PPE. This was the best safety meeting we have had in the past two years.]</i> <i>[Comment: 6/29/1999 Video and materials were very well done.]</i>	24
SG177	Holiday Safety <i>At the Top of Your List</i> ..... 17 In this video, it is shown what to do so that you can confidently check off each item on your holiday safety list. Coastal (c. 1990)	17
SG178	Slips, Trips, & Falls – Taking the Right Steps..... 19 ..... This is a new video from Coastal similar to <i>SG179, Step by Step—Avoiding Slips, Trips and Falls, 1990</i> , that covers the importance of these types of injuries that happen anywhere—in the plant, on the shop floor, out in the field, in the office or on your front stairs at home. Preventing slips, trips and falls is not difficult. It takes a combination of being aware of your surroundings, practicing good housekeeping and using equipment properly. (Coastal 2005)	19
SG179	Step by Step – Avoiding Slips, Trips & Falls (1990) ..... 17 This video discusses how to avoid slips, trips, and falls. Coastal (c. 1990) <i>[Comment: 2/8/2005 Video was interesting; excellent safety tips and current information.]</i> <i>[Comment: 5/4/1999 Relevant to an office or fixed work site but not to the construction industry.]</i> <i>[Comment: 5/7/1999 Informative and a good reminder.]</i> <i>[Comment: 5/11/06 Covers the basic concerns of first aid]</i>	17
SG180	First Aid <i>Initial Response</i> ..... 26 In this video is a demonstration on how to apply basic first aid to different situations. Coastal (c. 1990) <i>[Comment: 10/1999 Very good! We know the value of first aid and appreciate the information on the video; a good number of various needs.]</i>	26
SG181	Safety: The Good Fight..... 15 This video covers the real-life accident of a young man who lost his life in grain elevator accident. It discusses the need for safety at all times for new workers as well as experienced employees. (Coastal 2003) <i>[Comment: 4/24/06 Explains how to be safe and help others to be safe.]</i>	15
SG182	Rural Transportation & Safety: An Evolution of Change ..... 7 This video is about facing the challenges of rural transportation and safety, these challenges include safety, convenience, productivity, information, environment, and efficiency. Topics covered in this video include traveler safety and security, emergency services, commercial vehicle operations, and more. WTI-MSU (1997)	7
SG183	Fit for the Road ..... 20 The intent of this videotape, produced by FHWA, is to inform examining physicians of the physical and emotional demands placed on commercial motor vehicle drivers. The FHWA hopes to reach as many physicians as possible to inform them about the FHWA medical	20



	criteria. FHWA (1990)	
SG185	Working Outdoors, Mosquitoes and Ticks .....	15
	This video describes the different types of ticks and mosquitoes and their habitats. It reviews and describes the importance of self protection as well as tick removal strategy. Coastal (2004)	
	<i>[Comment: 3/10/2005 Excellent information on subjects.]</i>	
	<i>[Comment: 5/11/06 Good info on West Nile Virus and Lyme disease. The test was very useful, groups enjoyed it and it opened up discussion on the topics.]</i>	

### ***Hazardous Materials***

SH100	First Step to Safety: Hazard Identification.....	11
	Avoiding accidents, by learning to identify and rectify hazardous situations, is the topic covered in this video. Allied Chemical Corp. (1980)	
SH101	First on the Scene.....	32
	This video demonstrates the importance of knowing proper procedures for safe handling of hazardous materials in an emergency situation. Chemical Manufacture Assoc. (c. 1990)	
	<i>[Comment: 3/10/2000 This tape could be entitled differently to reflect “hazardous materials” content.]</i>	
SH102	Hazard Communication .....	20
	This video discusses the Hazard Communication Law, which deals with the safe handling of chemicals in the workplace. It also addresses training workers, labeling chemicals, proper containing devices, and more. OSHA and Industrial Training Inc. (c. 1990)	
SH103	Hazard Communication – The Road to Safety .....	16
	Covered in this video are some of the training requirements of the Hazcom standard. It explains various physical and health hazards and teaches you how to use warning labels and material safety data sheets (MSDS’s). It also covers identifying hazardous materials, warning labels, exposure situations, and more. Coastal (1995)	
SH104	Incident Command Systems .....	15
	An Incident Command System (ICS) provides a battle plan for each phase of a spill, fire, or other accident. It also gives the chain of commands to facilitate an organized response system. This video explains how an ICS creates an organized command structure. You will learn some advantages of an ICS, why teamwork is essential, and how an ICS meets the needs of different size emergencies. Coastal (1993)	
SH105	Hazardous Materials Transportation.....	16
	This video discusses the DOT’s recent changes in hazmat regulations. By watching this video, you will learn hazmat classification, hazard communication information, and what to do in a hazmat emergency. Coastal (1996)	
SH107	Chemical Process Safety Coastal (1994).....	15
	<i>[Comment: 2/8/2005 The video was of good quality, however it relates to plant operations more so than road department issues. Error in my choice of video.]</i>	
SH109	Biological and Chemical Threats–Closing the Door w/ Philip Thomas.....	17
	Discussed in this video are biological agents, chemical agents, preventative measures, vulnerability assessment and planning, and more. Coastal (2001)	

### ***Liability and Risk Management***

SL100	Construction Work Zone Liability.....	27
	This tape discusses minimizing tort risk and liability. It defines torts, negligence, and personal liability. Design and maintenance as they relate to torts are also reviewed. US DOT and FHWA (c. 1990)	

SL101	Tort Liability .....	53
	This tape discusses the increase in tort liability and local jurisdiction responsibility with respect to design and operation of transportation facilities. American Association of State Highway and Transportation Officials (c. 1985)	
SL102	Tort Liability Part I .....	40
	Discussed in this video is the increase in tort liability cases in recent years, what torts are, and how to minimize your liability and costs due to torts. MN DOT (1983)	
SL103	Torts are Everybody's Business.....	5
	This video discusses civil suits (tort liabilities) local road agencies face due to wrongful injuries on the roadways. Pennsylvania DOT (1992)	
SL104	Local Government on Trial: Part 2 - The Trial.....	90
	A mock trial involving local government sued because of a highway accident in Pennsylvania. It defines practices and terms commonly used in an accident investigation trial, which include: unsafe signing and markings, line striping, edge drop-off, shoulder paving, driving safety, and hazard safety. Pennsylvania Local Roads Program (c. 1990)	
SL105	Caution – Litigation Ahead: The Road to Effective Risk Management.....	25
	The purpose of this presentation is to motivate state and local highway officials to implement effective risk management programs to improve highway safety and mitigate the risk of tort liability. The government's roles and responsibilities are discussed, including laws, standards, and lawsuit awards. FHWA (1989)	
SL106	The Best Defense is a Good Road (S).....	15
	This videotape was prepared by the Cornell University Local Roads Program as part of the FHWA's series on tort liability. It covers common causes for tort action, need for inspection and reporting, accident data, and record keeping requirements. A written supplement is also provided. FHWA (1989)	
SL107	Traffic Control and Legal Liability.....	50
	Provided in this tape is an introductory overview to the non-traffic professional in rural and small urban areas who do not have ready access to traffic control experts. MSU-RTAP (c. 1990)	
SL108	Tort Liability - A New Perspective in Street Scene Management.....	15
	Discussed in this video is the importance of maintaining safe roadways in relation to liability of federal, state, and local governments. FHWA (1992)	
SL109	Tort Liability Teleconference Parts I & II .....	380
	This video discusses tort liability from the local government perspective with regard to responsibility and risk management. Utah T <sup>2</sup> Center (1996)	
SL110	Tort Liability - Mock Trial .....	35
	This video illustrates a tort liability trial with the intent of stressing the importance of record keeping. It also covers how to conduct yourself on the witness stand. FHWA Region 8 (1991)	
SL111	Local Government on Trial - Background.....	41
	This video describes the various aspects of a court case, how it proceeds from the time of the accident, through the complaint discovery process, the courtroom proceedings, and jury decisions. (1995)	
	The Trial.....	90
	How to Give a Deposition.....	17
	This video gives a brief overview on how to give a deposition. Pennsylvania DOT (1991)	
	Torts are Everybody's Business Pennsylvania DOT (1992) .....	5

***Mailboxes and Utility Poles***

SM100	Mailboxes May Be Hazardous to Your Health.....	14
	This videotape highlights the severity of vehicle collisions with unsafe mailboxes and shows examples of both safe and hazardous mailbox supports. FHWA (1992)	

SM101 Mailbox Crash Test.....	20
Detailed in this video are various crash tests performed on mailboxes. State Dept. of Highways and Public Transportation (c. 1990)	
SM102 Breakaway Timber Utility Poles (S).....	15
This tape and supplemental information sheet provides information on a breakaway timber utility pole design. FHWA (1989)	
SM103A Guide To Mailbox Safety.....	13
This video will inform you about hazardous mailboxes, taking a look at them and some options for replacement. MDT/FHWA (1994)	

***Pedestrians***

SP100	School Zone Safety (Utah) (S).....	23
This is an excellent up-to-date tape that will help instruct school crossing guards. It covers crossing guard equipment, reduced speed school zones, school crossings, traffic signals, and instructing children in safe crossing techniques. Utah DOT and Utah T2 (c. 1990)		
SP101	School Zone Safety (Montana).....	20
This video demonstrates the responsibilities and duties of crossing supervisors. Also included are updates in techniques, equipment, and legal requirements. LTAP/MDT (1995)		
SP105	Bike ‘N Ped Driver Ed –Everyone Has a Story, Road Sharing Tips for Motorists & Bicyclists .....	16
The purpose of this video is to teach motorists about laws for bicyclists and pedestrians and how to properly share the road with them. The objectives of the course enable participants to explain bicycle and pedestrian laws, identify common crash types involving bicycles and pedestrians with motor vehicles and ways to prevent these, and more. Florida DOT and Seidler (2001)		
SP110	Accessible Sidewalks (The Access Board)	
	1. Design Issues for Pedestrians Who Use Wheelchairs.....	10
This video discusses design flaws and illustrates the kind of obstacles that wheelchair users face. It documents these problems so designers and engineers could have a visual record of sidewalk and curb ramp design that will help ensure easy access for everyone. It also discusses solutions to the problems. US ATBCB (c. 1995)		
	2. Design Issues for Pedestrians with Ambulatory Impairments.....	8
This segment shows problems of accessibility that people with disabilities encounter in their everyday lives. Also shown are some possible solutions to these problems. US ATBCB (c. 1995)		
	3. Design Issues for Pedestrians with Low Vision .....	11
Outlined in this portion are some problems that people with low vision may have at intersections and crossings. There are also some recommendations given that will work for most pedestrians, including those who don’t see well. US ATBCB (c. 1995)		
	4. Design Issues for Pedestrians Who Are Blind.....	11
Pedestrian safety depends on information provided at intersections by traffic control devices. Most of this information is visual, whereas blind people need audible and tactile cues. This video discusses the problems blind people have with slopes, edges, crossings, etc. US ATBCB (c. 1995)		
SP115	Pedestrian Safety: What You Can Do.....	9
This video illustrates many common urban and rural pedestrian safety problems and introduces countermeasures to avoid those problems. Also shown are various problems faced by different age groups and the handicapped. FHWA (1989)		

***Signs and Markings***

SS104	<b>Highway Safety &amp; Trees: the Delicate Balance</b> .....	12
	The danger of immovable objects such as trees in the clear zone needs to be recognized by all agencies responsible for transportation safety. This video reviews solutions by various DOT's. (FHWA 7/11/05)	
SS105	<b>Breakaway Sign Support System (S)</b> .....	12
	The New Jersey Dept. of Transportation has designed this video to demonstrate their procedures in assembling this system. This system is designed to save lives by breaking away from its supports when hit by a vehicle. The manual included provides more detailed information regarding design, function, and construction of this system. NJ DOT (c. 1990)	
SS106	<b>Portable Maintenance and Construction Signs</b> .....	6
	This video demonstrates an inexpensive collapsible sign stand. MT DOT (1989)	
SS107	<b>Traffic Signal Systems: "Go for the Green", Parts I and II (S)</b> .....	30
	Given is a general description of signal timing, phasing, offsets, and progressive movement. FHWA and US DOT (c.1990)	
SS109	<b>New Directions in Sign Management</b> .....	16
	This video describes how local jurisdictions can develop effective and coordinated sign maintenance programs. ATSSA (1989)	
SS112	<b>Where Does the Road Go?</b> .....	10
	This video emphasizes the importance of proper signing and the problems that could occur if roads are not signed correctly. Countryman Klang (1992)	
SS116	<b>Right Before Your Eyes (S)</b> .....	10
	A public service announcement addressing the necessity of maintaining proper roadway markings to ensure traffic safety is the topic covered in this video. ATSSA (1993)	
SS117	<b>Signal Design - Part II</b> .....	100
	This video goes over the basic steps in putting up a light signal at an intersection. ITE and IMSA (c. 1990)	
SS119	<b>Sign Maintenance and Installation</b> .....	27
	This video details the tracking and prioritizing procedure of sign maintenance. It also gives information on traffic control devices, field operations, minor maintenance, sign and post installation, curve and turn signs, and object markers. LTAP (1995) <i>[Comment: 3/9/2005 Very good and important due to liability and safety.]</i>	
SS120	<b>Alternate to Nighttime Sign Inspection - Q'Beam</b> .....	18
	This video shows an alternative means to testing sign reflectiveness during the daytime instead of the traditional nighttime testing. MS DOT (1990)	
SS121	<b>Through the Generations: Identifying and Protecting Traditional Cultural Places</b> .....	20
	The video explains identifying and protecting traditional cultural places and discusses traditions and Native American access to historical sites and cultural places. The video also explains how to use and apply to the National Register of Historic Places. National Employee Development Center, Advisory Council on Historic Preservation (c.1990)	
SS122	<b>Danger Signs</b> .....	10
	Discussed in this video are vandalizing, damaging, and stealing of street signs and the consequences of these actions. Shown also in the video are a couple of case histories and what happened in each. ATSSA (2000)	
SS123	<b>How Retroreflectivity Makes Our Roads Safer</b> .....	20
	This video discusses retroreflectivity; how it works and why it's important. Also shown in the video are some safe nighttime driving techniques. American Traffic Safety Service Association and FHWA (c.1990)	
SS125	<b>Making Safer Roads</b> .....	12
	More than one in four motor vehicle deaths on US roads don't involve a collision with another vehicle or vehicles. It involves hitting a roadside hazard like a tree, utility pole, or	

bridge support. Such crashes are a problem especially on secondary roads, which still are cluttered with roadside hazards while interstates have been improved. In this videotape, experts explain which hazards present the worst problems. They tell how to alleviate the hazards. These aren't problems that can be removed all at once because the solutions often are costly, but there are common-sense approaches to the hazards along the roadside. Insurance Institute for Highway Safety (1995)

SS130	<b>Smart Sign An I.T.S. Report California DOT (c. 1995).....</b> 5 A stretch of interstate through Colorado's Glenwood Canyon is focused on for using smart signs to help prevent accidents. The smart sign informs drivers of road conditions and construction zones, makes them aware if they are speeding so they have time to slow down before the large turns, and was an inexpensive way to prevent accidents. The sign slowed driver speeds on average of 5-6 mil/hr and truck speeds on average of 22mil/hr.
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***Traffic Control and Work Zones***

ST100	<b>Work Zone Safety for Rural Local Agencies .....</b> 102 This videotape includes seven sections dealing with work zone safety in rural areas, which include traffic control devices & zones, typical applications, flagging, and legal liability. Institute for Transportation Research and Education, UNC (c. 1990)
ST101	<b>Work Zone Safety for Roadway Maintenance Operations .....</b> 108 This seven part video covers traffic control devices, work zones, flagging operations, and legal liability. FHWA (1995)
ST102	<b>Night Safety at Worksites .....</b> 15 This video shows specifications for providing a safe nighttime environment in construction zones. (c. 1990)
ST103	<b>To Warn, Guide and Protect: An Introduction to Flagging .....</b> 22 An excellent introductory video to flagging; addresses the duties of a flagger, the safety gear, and flagging equipment needed. New Mexico State (1992)
ST104	<b>Flagging (ITE) .....</b> 23 This tape describes the duties and responsibilities of the flagman: to protect lives, guide traffic, and provide information. ITE (c. 1990)
ST105	<b>Traffic Control for Short Term Work Zones .....</b> 70 This four-part video is presented in great detail. Part I is an introduction to traffic control. Part II concentrates on traffic control devices. Part III covers the elements of traffic control, including location and placement criteria. Part IV deals strictly with typical application. As a bonus, there is a section dealing with flagging procedures and operations. MN DOT (c. 1990)
ST106	<b>Traffic Control in Maintenance Work Areas Parts I and II .....</b> 40 The first of a three-part video, this section addresses the elements of traffic control in stationary operations. Traffic zones, traffic control equipment, and procedures for signing and channelization are covered, beginning with single-lane closures on two-lane roads. Nighttime requirements are also discussed. U DOT (c. 1990)
	<b>Traffic Control in Moving Operations .....</b> 15 This segment illustrates the importance of preplanning in mobile maintenance operations. Traffic control equipment and proper techniques are illustrated. ASSAT (c. 1990)
	<b>The Flagger .....</b> 40 This final segment discusses the importance and different aspects of the flagger's job including proper equipment, techniques, dress, and attitude. U DOT (c. 1990)
ST107	<b>Introduction to Work Area Traffic Control .....</b> 31 This tape introduces basic principles of work area traffic control and inputs into selecting proper traffic control. ITE (c. 1990)

	<i>[Comment: 3/10/2000 Guys thought it was beyond boring.]</i>	
ST108	Partners in Safety ..... 13 This video describes work area traffic control for construction zones. FHWA Region 10(c. 1990)	
ST109	Sample Area Application of Work Area Traffic Control ..... 28 Devices used as work area traffic control for both mobile or short and long-term construction zones. ITE (c. 1990)	
ST110	FHWA Improving American Roads Through International Tech..... 11 This video discusses FHWA’s Office of International Programs’ International Technology Scanning Program. The program was initiated through a Congressional mandate in 1990. The video details some of the discoveries that have been made and subsequently implemented in the US. FHWA and Office of International Programs (c. 1990)	
ST111	Traffic Control: Selection and Use of Devices ..... 35 This video outlines the objectives of work area traffic control and inputs into selecting proper traffic control. (c. 1990)	
ST112	Speed Zoning ..... 30 This video describes the background and misconceptions of speed zoning and the procedures for determining speeds of highways and local roads. MT Highway Dept. (c. 1990)	
ST113	Maintenance and Utility Traffic Control ..... 20 Covered in this video are the uses and procedures of traffic control and traffic control devices during construction and maintenance. MT DOT (1982)	
ST114	Flagging Operations and Procedures ..... 23 With proper training, flagging can be safe and effective. This hands-on course teaches proper flagging operation and procedures in the work zone area. South Carolina DOT and ITRE and (1995)	
ST115	Safety First! Speed Zones that Make Sense for Montana..... 13 The Montana Dept. of Transportation puts on a focus group meeting; this video sits in on part of that meeting to improve speed zoning. The video also talks about Montana’s speed zones and the different strategies used to make speed zones. MDT (2000)	
ST116	Traffic Technician Curriculum ..... 100 Discussed in this video is how to planning a signal location, as well as getting the right specifications and figuring a good cost estimate for that signal. ITEIMSA (1977)	
ST122	Traffic Sign Placement and Location (S)..... 21 This video concentrates on inspection and maintenance of signs, field equipment and material needed, and how to test their effectiveness. FHWA (1995)	
ST123	Traffic Sign Inspection and Maintenance (S) ..... 22 This video looks at the placement and location of signs in urban, rural, and high-speed highway areas. FHWA, 1995	
ST124	Work Zone Safety Concepts (S) ..... 25 This video covers basic principles of work zone safety and traffic control, planning for traffic control and typical applications. FHWA, 1995	
ST125	Road Crew Safety: Safe Practices for Road Construction Crews..... 24 This program examines some of the basic safety concerns that road construction crews face everyday. It also suggests some common sense practices to help avoid work zone accidents. Some of the topics covered include traffic control, safe equipment practices, how to prevent hazards on the job, and more. The main focus of the video is the need for everyone to assume responsibility for his or her own safety. Vista (1998)	
	<i>[Comment: 3/4/2005 Very interesting.]</i>	
ST126	Functional Requirements of Highway Safety Features ..... 24 First in a series that explores how highway safety features function, the goal of this video is	

	to show those who select, install, maintain, and repair safety features why they work the way they do and how they should be dealt with. FHWA, US DOT, and Oklahoma DOT (c. 1990)	
ST127	<b>New Work Zone Safety Devices</b> .....	17
	The Strategic Highway Research Program looked at developing work zone safety devices. Research was done to improve productivity, reduce congestion, improve communication, and to save lives. This research was divided into six categories: warning devices, portable speed bumps, delineation devices, lighting devices, signing/flagging devices, and barrier devices. This video discusses these categories and the new safety devices that were tested. Roy Jorgenson Assoc., Inc. (1992)	
ST128	<b>Livable Neighborhoods: Rethinking Residential Streets (2 tapes)</b> .....	180
	This teleconference was put on by APWA to discuss philosophy, politics, and processes that municipal engineers can use to help make city streets safer and neighborhoods a better place to live. APWA (1996)	
ST129	<b>Traffic Control: What Works?</b> .....	14
	This video's objective is to offer information on how public officials develop reasonable, research-based traffic control strategies, and apply engineering judgment in selecting traffic control devices. Minnesota Local Road Research Board (1996)	
ST130	<b>One Step From Death</b> .....	11
	..... This video shows some on-the-job accidents that occur because someone wasn't paying attention ... or wasn't aware of what was going on around them. It stresses the importance of safety on the job. Iowa DOT (1995)	
ST131	<b>Safety Made Simple: The ABCs of Work Zone Safety</b> .....	13
	Discussed in this video are the ABCs of work zone safety. These include awareness, being visible, and communication. ATSSA (2003)	
ST132	<b>Life in the Closed Lane: Parts 1 &amp; 2 (ATSSA 2003)</b> .....	36
	Describes safety precautions to take when in the work zone area.	
ST133	<b>In the Zone: Driving Safety in Work Zones w/NASCAR Todd Bodine (ATSSA 2003)</b> .....	8
	Todd Bodine, NASCAR driver, explains why and how to drive in work zones.	
ST135	<b>Leading the way to Safer Roads</b> .....	7
	The American Traffic Safety Standard Association (ATSSA) has been leading the way on ..... important roadway safety issues, with a heavy emphasis on work zone traffic control, pavement marking, signing, and traffic control devices. This video discusses these issues and what to do about them. ATSSA (2000) .....	8
ST140	<b>Making the Effort Works—Reducing Utility Delays During Construction ....</b>	19
	This video talks about underground utilities and construction. It stresses the importance of ..... planning and design, construction, acquiring rights-of-way, selective clearing, and contractor's responsibilities. FHWA, LTS Productions (2002)	
ST150	<b>Highway Work Zone Safety: One Step from Death</b> .....	11
	First video in a series of 12 from the Iowa DOT. This video is designed to heighten workers' general awareness of the dangers present in a highway work zone. Iowa DOT (1997)	
ST151	<b>Highway Work Zone Safety 1997 Iowa DOT – Traffic Control Safety</b> .....	11
	Employees should recognize and practice the proper procedures for installing and maintaining effective traffic control through a highway work zone.	
ST152	<b>Highway Work Zone Safety 1997 Iowa DOT – Professional Flagging</b> .....	46

Practice all necessary safety precautions when flagging, including wearing appropriate safety items, standing in a safe and highly visible position, and staying alert to traffic movement at all times. *(Note: This video does not meet all requirements of the current MUTCD. It also contains information which may be unique to Iowa applications.)*

ST153	Highway Work Zone Safety 1997 Iowa DOT – Grading Safety ..... 14 Maintain constant awareness of and follow all applicable safety procedures when operating grading equipment.	14
ST154	Highway Work Zone Safety 1997 Iowa DOT – Plant Site Safety ..... 11 Recognize and maintain constant awareness of the wide variety of potential hazards around a plant site. Make sure that chemicals and other flammable materials are always stored safely around a plant site.	11
ST155	Highway Work Zone Safety 1997 Iowa DOT – Structure Safety ..... 12 Maintain a constant awareness of the potential dangers presented by other structures already there in the construction area as well as gravity in both below- and above-ground operations.	12
ST156	Highway Work Zone Safety 1997 Iowa DOT–Utility Safety in Work Zones..... 14 Understand the on-site consequences when utilities are disrupted as well as the off-site consequences to those affected by the disruptions.	14
ST157	Highway Work Zone Safety 1997 Iowa DOT – Surveying Safety ..... 17 Recognize the many different kinds of hazardous situations surveyors can find themselves in during the pre-construction and post-construction phases.	17
ST158	Highway Work Zone Safety 1997 Iowa DOT – Loading, Transporting, and Unloading Heavy Equipment..... 12 Maintain a constant awareness of the potential hazards associated with equipment transportation while performing work assignments.	12
ST159	Highway Work Zone Safety 1997 Iowa DOT–Removal/Demolition Safety 10 Recognize the hazards associated with the demolition and removal of roads, structures, and utilities in preparation for new construction.	10
ST160	Highway Work Zone Safety 1997 Iowa DOT – Moving Operations/Maintenance Safety ..... 13 Recognize the need for personal responsibility for safety where normal traffic control procedures are at a minimum.	13
ST161	Highway Work Zone Safety 1997 Iowa DOT – Paving Safety ..... 11 Recognize the common hazards of asphalt cement concrete, Portland cement concrete paving operations, night paving, and paving equipment and activities.	11
ST165	Nighttime Traffic Control ..... 18 Discusses the importance of well designed and maintained work zone traffic control areas for night conditions. Stresses the difference between Manual on Uniform Traffic Control Devices .. (MUTCD) standards for “average conditions” and the higher standards for nighttime traffic control. (ATSSA 1990)	18

**PLANNING AND ADMINISTRATION**

***General***

PAG100	Crime Prevention Management Tool..... 17 This video takes a good look at contractor negligence when it comes to securing the worksite. It also investigates an actual worksite and points out various security measures	17
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that should be taken such as signing, lighting, an alarm system, etc.  
Association of General Contractors of America (c. 1995)

PAG101 Air Quality Conformity in Transportation Planning..... 20  
This tape gives a brief overview on guidelines local officials must follow in their transportation planning processes while adhering to the Clean Air Act and State Implementation Plan, which address air quality and standards of maximum pollutant levels allowed in their areas and the population. US Environmental Protection Agency and ZAPATA Engineering (1998)

PAG102 Reinventing Government Teleconference (3 tapes) ..... 270

PAG103 Construction Management Systems Series (S)  
This program provides a basic overview of a typical construction management system (CMS), identifies the basic functions of construction management, and presents information on how to develop a CMS. FHWA (1997)

Construction Management Systems-Overview ..... 19  
Construction Management Systems Planning ..... 19  
Developing Contract Staffing Guidelines and Planning Values..... 19  
Manpower Budgeting\Scheduling Procedures..... 19  
Construction Management System, Monitoring and Updating ..... 19

PAG104 Contract Maintenance Series (S)  
This program will cover 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 using costs, to meet changing demands, and to improve cost effectiveness. FHWA (1997)

Contract Maintenance- Overview ..... 20  
Contract Maintenance-Procedures ..... 20  
Contract Maintenance-Supervision..... 20

PAG105 Tribal Transportation Planning: A Better Vision..... 15  
This tape gives insight into better planning and development of Tribal Transportation Planning.  
FHWA (1997)

PAG106 ERFO-When Disaster Strikes ..... 21  
..... This video provides an overview of the Emergency Relief for Federally Owned Roads (ERFO) program, the steps to apply for federal assistance, and explains how to conduct damage site surveys and complete damage survey reports.  
Federal Lands and Highways and FHWA (c. 1995)

PAG107 Adult Learning Oklahoma State University and NPWA (c. 1990) ..... 14

PAG108 Mutual Aid Program, New Hampshire Public Works Oklahoma State University and NPWA (c. 1990)..... 15

PAG109 Pathways to Tomorrow –BIA, Tribal Roads ..... 38  
This video presents various facets of a tribal community and explains the importance of transportation and its role of being the backbone to our society.

PAG110 Effective Disaster Recovery Techniques (APWA) 4 tapes (S)..... 240

PAG115 Transportation Decisions: The New Role of the MPO ..... 22  
Faced with new and difficult decisions in metropolitan planning with regard to transportation issues, this video outlines various ideologies on how to approach these issues.  
(FHWA/Rutgers University  
1997).....

PAG120	Technology Transfer Series ( <i>S</i> )	
	This program covers the proper steps for effective technology transfer. Technology transfer is the process by which research and new technology are transferred in to useful products and programs. FHWA (1997)	
	Effective Technology Transfer Methods .....	19
	Establishing an Effective Technology Transfer Program .....	24

***Supervision and Public Works***

PAS100	Best Management Practices Oklahoma State University and APWA (c. 1990)	
	Part I	
	Part II	
	Part III	
PAS102	"Subsurface Utility Engineering - A Proven Solution" .....	17
	This video was developed to stimulate awareness of subsurface utility engineering. This is a cost effective professional engineering service that incorporates new and existing technologies to accurately locate underground utilities early in the development of a highway project. FHWA (1995)	
PAS105	Essential Skills for Trainers .....	30
	This video discusses what training entails and the responsibilities of the trainer. An especially important aspect is how to provide a positive learning environment for the student; this aspect is discussed. Pennsylvania DOT, LTAP, University Research Coop (c. 1990)	
PAS106	Construction Inspection Responsibilities: "Skills for Controlling Conflict: Citizens, Colleagues and the Boss Teleconference" (5 tapes) .....	15
	This video illustrates the importance of efficiency and professionalism in the construction inspector in order to ensure the safety and success of a project. Penn DOT (c. 1990)	
PAS107	The Causes of Conflict (tape 1) Oklahoma State University and APWA (c. 1990)...	60
PAS108	Do Men and Women Communicate Differently? (tape 2) Oklahoma State University and APWA (c. 1990) .....	60
PAS109	Ending "Game Playing" in the Workplace (tape 3) Oklahoma State University and APWA (c. 1990) .....	74
PAS110	Giving Someone a Piece of Your Mind (tape 4) Oklahoma State University and APWA (c. 1990) .....	57
PAS111	Becoming a Good Listener (tape 5) .....	56
	This video discusses techniques of listening, body language, encouragement, paraphrasing, and summarizing. APWA (1994)	
PAS112	Productivity: Self Fulfilling Prophecy .....	55
	The crew supervision explaining the Pygmalion effect and self-fulfilling prophecy is discussed in this video. A supervisor's expectations of a worker become reality in this video. Encyclopedia Britanica Film (c. 1990)	
PAS113	Training for Highway Construction Personnel (NCHRP) (2 tapes)	
	This video presents the results of a project to develop course descriptions, course outlines, and training packages to be used as part of a national training program for highway construction inspectors, contractors, consultants, vendors, and suppliers. The material includes 44 course descriptions and outlines and complete training packages for 2 courses entitled "Project Documentation" and "Environmental Protection Procedures." NCHRP (1994)	
	Project Documentation.....	10
	Environmental Issues .....	15

PAS114	Developing Sustainable Communities.....	218
	This video is a taping of the teleconference held in June of 1997 originating from Oklahoma State University and discusses projects in Oklahoma and Virginia. There is also an overview of the Executive Director of the President’s Council on Sustainable Development. APWA Teleconference and APWA (1997)	
PAS115	Performance Measures\Strategic Planning.....	221
	A taping of an APWA Teleconference dealing with performance measures and strategic planning using case studies in public works. Topics include discussion of projects in Texas, Missouri, and Virginia. APWA Teleconference and APWA (1997)	
PAS116	Training: The Obscured Advantage.....	6
	..... This video provides an example of how training helped prevent a problem in one public works ..... office that had occurred in another office. This video attempts to show the advantages of training, that it’s not just a waste of time and money. FHWA (1996)	
PAS117	Managing Community Growth.....	18
	This video of personal interviews and narrations explains the causes, ramifications, and issues surrounding community growth in Montana. MSU (c. 1990)	
PAS119	Presentation Skills.....	14
	Documented in this video are tips which may guide one through a presentation.Coastal (1998)	
PAS120	Workplace Violence.....	23
	In this video a scenario is presented to explain the types and causes of workplace violence. one can identify and prevent these dangerous actions. Coastal (1994)	
PAS121	Training with Media—Train the Trainer .....	14
	This video put together by human resource group explains the visual impact and effective use of technology such as computers and overheads. Coastal (1998)	
PAS122	Workplace Violence <i>The Calm Before the Storm</i> .....	25
	This video teaches employees how to identify different types of violence, their causes, how you can protect yourself and your co-workers, and why reporting workplace violence is extremely important. Coastal (c. 1990)	
PAS125	The Hats of Incident Management (Dec. 2001).....	18
PAS130	. Dealing with Stress: Stress Management in the Workplace Coastal (c. 1995).....	
18	<i>[Comment: 1/31/12 We used this video to improve safety in the workplace.]</i>	
PAS131	Managing Employee Stress in Times of Emergency –Dr. Bray APWA 2001 .....	30
PAS135	Sexual Harassment in the Academic Workplace (1993) .....	26
PAS 150	The Seven Habits of Highly Effective People .....	9
	The author of this work presents a holistic, integrated principle-centered approach for solving personal and professional problems. with penetrating insights and pointed anecdotes, Covey reveals a step-by-step pathway for living with fairness, integrity, honesty and human dignity—principles that give us the security to adapt to change, and with wisdom and power to take advantage of the opportunities that change creates. Covey Leadership Center 1994	

***Drug and Alcohol***

PAD100	<b>Substance Abuse Training for Transportation Supervisors ..... 61</b> This video covers the physical, behavioral, speech, and performance indicators of probable controlled substance abuse. It also provides information concerning critical sections of the regulations as they pertain to supervisors. The video also includes an interview with a substance abuse professional, detailing procedures for driver referral. (1995) <i>[Comment 1/17/2012: Only viewed part of this video – the dvd was more useful]</i>
PAD101	<b>Drug and Alcohol Training for CDL Drivers ..... 62</b> Documented in this video is the training required by regulation. It covers the “specific, contemporaneous, and articulatable observations covering a person’s physical, behavioral, speech, and performance indicators of probable misuse. (1995) <i>[Comment: 4/11/2005 Good info.]</i> <i>[Comment 1/17/2012: Only viewed part of this video – the dvd was a handier format]</i>
PAD102	<b>Safety is the Primary Issue II ..... 60</b> ..... This video covers alcohol and controlled substance training for commercial drivers. The eleven specific points of regulation are detailed and an understanding if given of the effects, indicators, and consequences of substance abuse and alcohol misuse. (1995)
PAD103	<b>Cry the Eagle, A Call to Drive Sober and Safe..... 31</b> Alcohol is the leading cause of death in the United States. This video explains the impacts of drinking and driving. This video specifically references reservation life and interviews those who have been directly affected by drunk driving. Indian Health Service and NHTSA (1997)
PAD104	<b>Drug-Free Workplace <i>Back on Track</i> ..... 36</b> Understanding substance abuse, commonly abused substances, the Drug Free Workplace Act, comprehensive programs, and signs and symptoms of drug use are covered in this video. Coastal (1993)
PAD105	<b>D.O.T. Drug and Alcohol Testing: Your Rights &amp; Responsibilities ..... 19</b> According to the federal Department of Transportation’s Alcohol & Testing Rule, employers ..... must train drivers on the dangers of alcohol and controlled substances and the potential consequences of their misuse. Make sure your workers know their rights and responsibilities when it comes to DOT drug and alcohol testing with this program. Coastal (2001) <i>[Comment: 9/16/2004 It was interesting to learn both rights and responsibilities of the law.]</i> <i>[Comment 1/17/2012: We only watched part of this video – the dvd fit our needs better]</i>
PAD110	<b>Sober Thoughts on Drinking &amp; Driving ..... 14</b> ..... People are becoming more responsible about how they use alcohol in relation to driving. Still, there’s plenty of alcohol-impaired driving left. Too many people are dying. This film focuses on a range of effective measures to reduce the problem. Insurance Institute for Highway Safety (1991)
PAD115	<b>Methamphetamine: A Deadly Path to Destruction ..... 24</b> This is a very comprehensive training program on one of today’s most dangerous drugs, Meth. The program provides training and education on the hazards of the drug, physical and mental problems associated with Meth use, and long and short term effects. You’ll see the “Faces of Meth”, how people’s appearance changes over time when using meth, and “Meth Mouth”, very graphic illustrations of what this toxic chemical can do to teeth and gums. (Digital-2000 2006)

**MISCELLANEOUS**

M100	Idea Store Edition I.....	8
	This film was developed by the Pennsylvania DOT for the FHWA. It includes innovative ideas from across the nation which can save money, time, or just make a job safer and easier. Tips are given in the areas of maintenance, engineering, equipment, communication, administration, training, and safety. Pennsylvania DOT/FHWA (1989)	
M101	Idea Store Edition II.....	12
	This tape features ideas on easy blade changing for a motor grader and tips on Work Zone Traffic Control. Also included are evaluating aggregate loss, winter service, and junk day brochures, an idea booklet, and The Better Beaver Baffler. (1989)	
M102	Idea Store Edition III .....	10
	Edition III provides different approaches to solving a wide variety of common problems, including changing snow plow blades, removing and storing the frame-locking pen, the daily maintenance of motor graders, effective ways to deter erosion, and ideas for better results in patching. Pennsylvania DOT and FHWA (c. 1990)	
M104	Idea Store Edition V.....	11
	This video offers clever tips about using the hard hat, proper tire inflation, proper signing, and safety programs. RTAP (c. 1990)	
M117	Idea Store Edition VII.....	11
	Various agencies offer new and innovative solutions applicable to problems regarding maintenance, engineering, communication, training, equipment, and safety. DOT/RTAP (1992)	
M118	Idea Store Edition VIII.....	10
	This video presents new information on the use of hard hat medical decals to communicate information. Montana DOT's "Maintenance Awareness Program" and the invention of a wing cart that enables one person to mount a wing plow by him/herself. Pennsylvania DOT (1993)	
M127	SI Metric-Lesson 1: Introduction to Metric (S) Work Place Training (1994) .....	15
	SI Metric-Lesson 2: Units of Measure Work Place Training (1994) .....	17
	SI Metric-Lesson 3: Reading and Writing Rules Work Place Training (1994) ....	19
M129	Shooting Good Video .....	8
	Video documentation is used more and more and this film was produced to give valuable tips on producing quality project documentation that is better than a "home" video. Federal Lands and Highway (1996)	
M130	Smart Moves: A video on the Intelligent Transportation Infrastructure.....	10
	A video on the Intelligent Transportation Infrastructure (ITS) which uses computer and telecommunications to cut traffic delays, reduce air emissions, improve emergency response, expand traveler information, and increase transit and toll efficiency. FHWA & Public Tech, Inc. (1996)	
M131	Bound for the Future: The Story of Montana Transit .....	13
	This video tells the story of Montana transit services and emphasizes the importance of those services for all Montanans who are bound for the future. MT DOT (1995)	
M132	RU Y2K OK? US DOT and FHWA (c.1995) .....	16
M140	Pacific Northwest Transportation Technology Expo Washington State T <sup>2</sup>	
(2000)	12	

### **PROMOTIONAL VIDEOS**

PROMO	AEMA Paving the Way to the 21st Century.....	11
	Discussed in this video are the advantages of asphalt emulsions and the video provides an .....overview of their chemistry, production, storage, and handling. Asphalt Emulsion Manufacturers Association	
PROMO	Asphalt and Seal .....	9
PROMO	Carbide Grinding .....	14
	This video gives information on carbide grinding. Keystone Engineering, 1997	
PROMO	Comcore Road Plate System.....	15
	This video demonstrates the Comcore lightweight road plate and shoring panel. Comcore Utilities Products, Inc., 1988	
PROMO	Dura Patcher - Patching Only .....	15
PROMO	Easy Edge.....	4
PROMO	Effective Disaster Recovery Techniques – APWA – 4/15/98, Tapes 1, 2, 3, & 4.....	
PROMO	Elgin Sweeper Company Products.....	26
PROMO	Front Runner .....	35
PROMO	The FW Approach to Sign Maintenance .....	7
PROMO	Good Highway winter Maintenance/Risk Management.....	8
	The Salt Institute has provided a brief overview of ways to outline a winter maintenance program. (Salt Institute August 1998)	
PROMO	Handy Hitch 2003 – Handy-Hitch Manufacturing Inc .....	
PROMO	Hoechst Fabric .....	21
PROMO	Hot in Place Recycling "New Technology for Old Roads" .....	10
PROMO	Ice Ban America, Inc. ....	10
PROMO	IVHS Architecture Video Primer.....	26
PROMO	Joint Training Program - Hot Mix Asphalt Construction .....	10
PROMO	Lessons From Ground Zero Preview .....	7
PROMO	LifePACK For Urban/Wilderness Travel or Emergency.....	50
PROMO	Making Small Rocks...Out of Big Rocks.....	12
PROMO	Manholes.....	5
PROMO	Mustang Grease and Sludge Jetters .....	13
PROMO	The Pascal 2000 .....	
PROMO	Pavement Maintenance Systems.....	8
	This video demonstrates crack sealing procedures. Hardives Asphalt Co., 1997	
PROMO	Pennsylvania Bridges: Maintaining the Past-Preserving the Future.....	7
PROMO	Perma-Zyme--Road Examples.....	26
PROMO	The "Puff" Pothole Repair Machine .....	6
	A promotional video that describes the various functions of the Puff Pothole Machine. This self-contained unit assists in such areas as pothole repair, crack sealing, and ice removal. Puff Equipment Inc., 1992	
PROMO	Quality Pavement Repair 2000 .....	8
	This video describes the development and application of this permanent, high quality cold patch, which has a performance rating comparable to hot mix. This video will help to save on materials, labor, and equipment costs. Pro-Tech, Inc., 1992	
PROMO	Quest for Excellence (Caterpillar's equipment research program) .....	19
	Caterpillar's commitment to research and development takes the form of one of the largest	

	and most sufficient centers of its kind for scientific and engineering activity in the world. This videotape explores Caterpillar’s equipment research center. Caterpillar (c. 1990)	
PROMO	Quickchange Moveable Barrier .....	10
PROMO	Retrofitted Load Transfer Devices..... This video details steps in placing rebar into tracks of pavement where cracks have occurred. Keystone Engineering, 1997	4
PROMO	Ridge Mulcher TD2000 .....	10
PROMO	Ridge Mulcher – Triple S Industries.....	
PROMO	Road Badger Inc. Road Management Equipment.....	7
PROMO	Road Oyl Resin Modified Emulsion - Four Sample Projects .....	23
PROMO	Road Oyl Resin Modified Emulsion - Road Dust Control & New Pavement Alternatives .....	10
PROMO	Road Oyl Resin Modified Emulsion - Technology Update..... This video demonstrates dust control treatments and road pavement applications of this cold- applied, petroleum-free, non water soluble emulsion.	25
PROMO	Road Packer Plus Product Application Video .....	5
PROMO	Roscoe Asphaltite RA-200 .....	12
PROMO	Rotary Cutter 1510/1010.....	
PROMO	RG72 Roto Grader 7/03 – Maddock Industries .....	
PROMO	Schultz Automated Snow Chain System .....	9
PROMO	SHRP Now Exhibit - 1991 AASHTO Technology Transfer Fair .....	58
PROMO	Sidearm 2800 .....	
PROMO	A Square Deal for all Americans .....	6
PROMO	Telespar Sign Support System .....	12
	This film details aspects and qualities of the sign support system. Unistrut Corporation of Utah, 1997	
PROMO	Tow Broom/Rubber Roller .....	21
PROMO	A Traffic Plan To Live By .....	10
PROMO	Walk n’ Roll, Packer/Roller.....	3
PROMO	Walk N’ Roller Packer/Roller – Contractors Solutions.....	

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### Abbreviations

- APWA** - American Public Works Association
- ARTBA** - American Road and Transportation Builders Association
- FHWA** - Federal Highway Administration
- ITE** - Institute of Transportation Engineers
- MDOT** - Montana Department of Transportation
- MNDOT** - Minnesota Department of Transportation
- MSU** - Montana State University
- NCHRP** - National Cooperative Highway Research Program
- NM LTAP** - New Mexico LTAP

**UDOT** - Utah Department of Transportation  
**WSDOT** - Washington State Department of Transportation

All of the listed videotapes are available for loan at no cost, except for return postage.

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