



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: ASPHALT

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-242	15:28	1994	NO	MN LRRB & MN DOT	VHS	
ASPHALT OVERLAYS: THE FOUR Ps						
Video Description: Shows the evaluation process for determining what is necessary to rehabilitate a road. Explains four-phase process to construct a good asphalt overlay: planning, preparation, production, and placement. Not intended as a training video. Note sheet included.						
VT-272	59:06	1995	NO	FHWA LTAP	VHS	
ASPHALT PAVING INSPECTION						
Video Description: Provides information needed to inspect asphalt paving operations effectively, in metric units. The video has three parts. Part One: Preliminary Operations (26 minutes) Document review Coordination with the public Field review Equipment checks Traffic control Weather requirements Tack coat application Part Two: Paving Operations (19 minutes) Mix delivery Placement Compaction Transverse joint construction Part Three: Problems (14 minutes) Mix design Paving Compaction						
VT-297	7:55	1998	YES	NAPA	VHS	
BUILDING THE NOTCHED-WEDGE JOINT						
Video Description: The notched wedge joint, also known as the slotted or tapered joint, is used to connect one section of newly paved asphalt road with a second, adjacent section of newly paved road. Four key practices that lead to the optimum joint are shown. A good video for asphalt pavers.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: ASPHALT

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-225	15:55	1994	YES	NAPA	VHS	
HANDLING HOT-MIX ASPHALT						
Video Description: It takes a team effort to build a quality pavement. Teamwork, professionalism, pride in work, safety, and proper asphalt handling techniques are stressed. An excellent presentation.						
VT-002	8:25	1993	YES	NATL ASPHALT PAVEMENT ASSOC	VHS	
HAULING HOT-MIX ASPHALT						
Video Description: Here are tips for haulers on such topics as pre-trip inspection, driving in traffic, driving on the job site, and backing into the paver. The video is not only practical, but also entertaining.						
VT-336	11:15	1999	YES	NAPA + FHWA	VHS	
HMA FOR THE YEAR 2000: UNDERSTANDING SUPERPAVE MIX DESIGN						
Video Description: A thorough video that explains the components of the program that will bring superior performing asphalt pavement to America's roadways, Superpave. We have some very detailed descriptions here about performance-graded ratings using maximum and minimum pavement-design temperatures, volumetric properties, aggregate gradation and asphalt content, aggregate angularities, source properties, the maximum density line, and the new, Superpave gyratory compactor. Yep. There's a lot in this video.						
VT-167	17:35	1993	YES	ASPHALT INSTITUTE (W/ NAPA)	VHS	
REHABILITATION OF PORTLAND CEMENT CONCRETE PAVEMENTS USING HOT MIX OVERLAYS						
Video Description: After a detailed evaluation of a deteriorating cement concrete pavement's condition, one of these four rehabilitative techniques may be a workable, economical way to extend the usefulness of the roadway for many years. The four techniques are: Cracking and seating Breaking and seating Rubbilizing Sawcut and sealing.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: BRIDGES

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-194	22:38	1990	YES	VDOT PUBLIC AFFAIRS	VHS	
BETTER BRIDGE DECKS (VDOT INSPECTOR TRAINING)						
Video Description: This video details each of six steps inspectors must take to ensure construction of a good-quality bridge deck. The steps are preparing for inspection, checking in the predecking stage, checking during installation, checking during preplacement, inspection during placement, and ensuring proper curing and protection.						
VT-251	19:07	1994	NO	SHRP	VHS	SHRP CONCRETE SERIES
BRIDGE DECK OVERLAYS						
Video Description: Shows several examination methods to evaluate a bridge deck's condition. Looks in detail at materials, surface preparation, and overlay placement for rehabilitation of the bridge deck.						
VT-091	17:54	1985	YES	INTERNATIONAL ROAD FEDERATION	VHS	
CONCRETE BRIDGE DECK REPAIR						
Video Description: The procedures for a permanent repair of partial- and full-depth holes on a concrete bridge deck are divided into seven work steps. A supplement from the Louisiana Transportation Research Center summarizes the video.						
VT-186	5:15	1993	NO	SHRP	VHS	
CONCRETE BRIDGE PROTECTION, REPAIR, AND REHABILITATION						
Video Description: Strategic Highway Research Program Contract C-103 was the result of the deterioration of concrete bridges due to chloride contamination. Dr. Richard Weyers of Virginia Tech describes this project on bridge protection, repair, and rehabilitation: '[It] is to determine what the service life is, and the cost of existing techniques, to identify improvements that can be made in existing techniques, and to develop new techniques for the corrosion protection and rehabilitation of concrete bridges.'						
VT-260	16:55	1989	YES	UTAH DOT	VHS	
ROUTINE STRUCTURE CLEANING						
Video Description: Dirt on bridges traps moisture that can rust steel and cause deterioration in concrete. Video identifies the parts of a bridge. Shows cleaning underneath the structure, cleaning the bridge deck, and clearing out the bridge's drainage system.						
VT-115	19:35	1988	NO	FHWA/PENNDOT	VHS	
SCOUR - THE BRIDGE ENGINEERS' DILEMMA						
Video Description: Shows the effects of scour on bridge substructures below water, provides information on how bridge inspectors can use surface indicators to help make below-surface judgments, and shows some methods of combating underwater bridge deterioration.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: CONCRETE

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-252 ALKALI-SILICA REACTIVITY TESTING	20:28	1994	NO	SHRP	VHS	SHRP CONCRETE SERIES
Video Description: Alkali-silica reactivity (ASR) is a major cause of cracking in concrete. This video looks at ASR determination and prevention, then shows new and conventional tests used to predict performance. New tests shown are Gel Recognition and ASTM P-214: Proposed Test Method for Accelerated Detection of Potentially Deleterious Expansion of Mortar Bars Due to Alkali-Silica Reaction. Conventional tests are ASTM C-227: Standard Test Method for Potential Reactivity of Cement-Aggregate Combinations, Mortar Bar Method and ASTM C-289: Standard Test Method of Potential Reactivity of Aggregates.						
VT-360 BASIC FINISHING TECHNIQUES FOR CONCRETE FLATWORK	17:47	1996	YES	PORTLAND CEMENT ASSOCIATION & THE AB	VHS	
Video Description: Bleedwater, Strike Off, Darbying & Bull Floating, Edging, Jointing, Floating, Troweling, and Texturing. Learn the terms, tools, and process in finishing concrete.						
VT-358 BASIC TECHNIQUES FOR PLACING CONCRETE FLATWORK	15:30	1996	YES	PORTLAND CEMENT ASSOCIATION & THE AB	VHS	
Video Description: Determine the type of tools, crew size and amount of concrete for the job; delivery of the mix and desired slump; and proper depositing and handling of the material at the work site.						
VT-250 CONCRETE PAVEMENT OVERLAYS	22:53	1994	NO	SHRP	VHS	SHRP CONCRETE SERIES
Video Description: New innovations in concrete technologies can extend the service life of roadways while causing less disruption to traffic during construction. This examines the steps in constructing both bonded and unbonded concrete overlays. Included are general information, design considerations, pre-overlay repairs, surface preparation, concrete placement and curing, and joint sawing and sealing.						
VT-361 CURING CONCRETE FLATWORK	15:24	1996	YES	PORTLAND CEMENT ASSOCIATION & THE AB	VHS	
Video Description: Understand how strength and durability are affected by curing. Prevent or replenish loss of moisture from concrete and maintain a favorable temperature within the concrete for a definite period of time.						
VT-255 EARLY OPENING OF FULL-DEPTH CONCRETE REPAIRS	10:11	1994	NO	SHRP	VHS	SHRP CONCRETE SERIES
Video Description: The secret of a successful early-opening project is careful planning, scheduling, and evaluation of the work. These three major considerations in the early opening of full-depth concrete repairs are discussed in detail.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: CONCRETE

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-253 <i>FREEZE-THAW TESTING</i> Video Description: Although this briefly discusses freeze-thaw cycles and how they contribute to concrete deterioration, most of the video is devoted to tests that can help predict the freeze-thaw durability of concrete. Conventional tests included are AASHTO T-104: Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate and AASHTO T-161: Standard Method of Test for Resistance of Concrete to Rapid Freezing and Thawing. New tests shown are AASHTO T-161 Proposed Procedure C: Rapid Freezing in Air and Thawing in Water and Hydraulic Fracture of Coarse Aggregate.	24:40	1994	NO	SHRP	VHS	SHRP CONCRETE SERIES
VT-254 <i>FULL-DEPTH REPAIR OF JOINTED CONCRETE PAVEMENT</i> Video Description: First discusses distresses, field survey, transverse joint design, and materials. Then presents complete procedures for a full-depth repair.	16:57	1994	NO	SHRP	VHS	SHRP CONCRETE SERIES
VT-245 <i>INTRODUCTION TO REHABILITATION OF HIGHWAY CONCRETE</i> Video Description: Concrete has become a more cost-effective material with the creation of new mixes that have rapid strength gains and high early strengths. This video introduces several concrete rehabilitation measures that can be used to repair concrete pavements and structures. Included are full-depth repairs, partial-depth repairs, concrete overlays, and bridge deck overlays. Good general overview, but if you are looking for specifics, go to the topic tape in the series.	10:51	1994	NO	SHRP	VHS	SHRP CONCRETE SERIES
VT-359 <i>JOINTS AND CRACK CONTROL</i> Video Description: Three types of joints are used to control cracks in concrete: Control, Isolation, and Construction Joints. Determine correct use, construction and placement on a project.	11:37	1996	YES	PORTLAND CEMENT ASSOCIATION & THE AB	VHS	
VT-256 <i>PARTIAL-DEPTH REPAIR OF CONCRETE PAVEMENT</i> Video Description: Partial-depth repairs refer to those on the upper one-third of concrete slabs. This video first discusses materials, then segments the repair process into four steps: determination of boundaries, surface preparation, placement and consolidation, and finishing and curing.	15:00	1994	NO	SHRP	VHS	SHRP CONCRETE SERIES
VT-249 <i>QUALITY CONTROL OF CONCRETE ON SITE PART FOUR</i> Video Description: Covers three procedures for testing in-place concrete. Shows temperature-matched curing, pulse velocity testing, and nuclear density testing.	18:58	1994	NO	SHRP	VHS	SHRP CONCRETE SERIES



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: CONCRETE

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-246	14:37	1994	NO	SHRP	VHS	SHRP CONCRETE SERIES
QUALITY CONTROL OF CONCRETE ON SITE PART ONE						
Video Description: Provides detailed instructions on how to take a sample properly, then how to perform temperature and slump tests correctly.						
VT-248	18:32	1994	NO	SHRP	VHS	SHRP CONCRETE SERIES
QUALITY CONTROL OF CONCRETE ON SITE PART THREE						
Video Description: Shows the microwave-oven drying method to measure water content in as-delivered concrete. Discusses thermal effects evaluation for as-delivered concrete. Presents two methods of maturity monitoring for as-placed concrete.						
VT-247	17:51	1994	NO	SHRP	VHS	SHRP CONCRETE SERIES
QUALITY CONTROL OF CONCRETE ON SITE PART TWO						
Video Description: Shows test methods for air content and unit weight of concrete. Also shows procedures for making cylinders and beams on-site for compressive and flexural strength tests.						
VT-362	20:32	1996	YES	PORTLAND CEMENT ASSOCIATION & THE AB	VHS	
QUALITY CONTROL: AVOIDING CONCRETE SLAB DEFECTS						
Video Description: Prevent common surface defects using the correct concrete mix and proper construction methods. The causes and how to avoid defects such as: Scaling, Popouts, Cracking, Cracking, Plastic Shrinkage Cracking, Blistering, and Discoloration.						



Virginia LTAP

Virginia LTAP Video Library Database

Subject Category: CONCRETE

<i>Tape Number</i>	<i>Length (mins.)</i>	<i>Date</i>	<i>Copyrighted?</i>	<i>Source</i>	<i>Format</i>	<i>Video Series</i>
--------------------	-----------------------	-------------	---------------------	---------------	---------------	---------------------

VT-302	27:45	1999	YES	FHWA	VHS	
---------------	-------	------	-----	------	-----	--

RETROFITTING: A TRIO OF VIDEOS

Video Description:

FIT TO BE TIED: RETROFITTING PCC PAVEMENT WITH DOWEL BARS

27:45
FHWA + WASHINGTON STATE DOT

This first video introduces the procedure for retrofitting plain-jointed Portland Cement Concrete (PCC) with dowel bars. This process is a cost-effective method to rehabilitate many pavements on a large scale. This is a very detailed 'how-to' video. Each and every one of the thirteen steps in the process is covered thoroughly. A very well done how-to video on a complex subject!

DOWELL BAR INSERTION FOR LOAD TRANSFER AT MID PANEL CRACK

21:21
KANSAS DOT

This video shows insertion of dowell bars to eliminate vertical motion and allow horizontal motion in joints ro rehabilitate the surface of the roadway.

RETROFITTED LOAD TRANSFER DEVICES

3:50
INDIANA DOT DIVISION OF MATERIALS & TESTS

This video of a pavement evaluation in Indiana shows the series of operations necessary to properly install retrofitted load transfer devices across random transverse pavement cracks in a 10-inch thick concrete pavement with 40-foot joint spacings.

VT-357	14:16	1996	YES	PORTLAND CEMENT ASSOCIATION & THE AB	VHS	
---------------	-------	------	-----	--------------------------------------	-----	--

SUBGRADE PREPARATION AND FORMING

Video Description:

Produce a subgrade that is uniformly compacted, level, true to grade and well drained. Form the project using lumber or metal, create curves and set to proper line and grade.



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: CONSTRUCTION

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-121	23:36	1995	YES	VDOT MATERIALS DIVISION	VHS	
AGGREGATE PRODUCTION AND STOCKPILING (VDOT INSPECTOR TRAINING)						
Video Description: Describes in detail six basic processes of quarrying operations for production of aggregate material: stripping; drilling and blasting; loading and hauling; primary, secondary, and tertiary crushing and screening; stockpiling; and load out. Stockpiling receives particular attention.						
VT-278	102:00	1996	YES	IRF/FHWA	VHS	
CONSTRUCTION MANAGEMENT SYSTEMS SERIES						
Video Description: Divided into five modules: Construction Management System Overview; Construction Management System Planning; Developing Contract Staffing Guidelines and Planning Values; Manpower Budgeting/Scheduling Procedures; and Construction Management System Monitoring and Updating Procedures.						
VT-222	19:21	1993	NO	U.S. DOT FHWA	VHS	
SOIL STABILIZATION: SELECTING THE MODIFIER						
Video Description: Although this video gets quite technical (right down to flocculation-agglomeration and pozzolanic reactions), it is very well done. Four types of stabilizers, lime, lime-fly ash, cement, and bituminous are examined.						
VT-325	40:45	1996	YES	LTAP	VHS	
UTILITY CUTS IN PAVED ROADS						
Video Description: Poor work methods and poor management of utility cuts can cause problems. To help alleviate those problems, this two-part video looks at: Part one: Utility coordination and control Locating existing utilities Part two: Traffic control Pavement cutting Excavation Backfilling Surface restoration Site clean-up.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: ENVIRONMENT

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-307	19:00	1998	YES	FHWA FOR LTAP	VHS	
AIR QUALITY CONFORMITY IN TRANSPORTATION PLANNING						
Video Description: Explains the federal regulations that require local jurisdictions to comply with the Clean Air Act and the State Implementation Plan in the transportation planning process. The video focuses primarily on the conformity process. In addition, the types of pollutants covered by the act are identified, and justifications for setting maximum allowable levels are discussed.						
VT-243	8:00	1995	NO	USDA FOREST SERVICE	VHS	
CREATING MEADOWS THROUGH ROAD MAINTENANCE AND CONSTRUCTION						
Video Description: Presents methods to restore or preserve meadowlands and wetlands along low-volume roads. Methods shown are replacement culverts in eroded channels, Jersey barrier walls in front of culverts, and elbows on culverts on the upstream side of the road. Yes, the title is correct. One can create meadows through road maintenance and construction. Filmed in the beautiful Zuni Mountains in Cibola National Forest.						
VT-348	18:00	2002	NO	USDA FOREST SERVICE T&D CENTER FHWA	VHS	THE ROAD MAINTENANCE TRAINING VIDEO
FOREST ROADS AND THE ENVIRONMENT						
Video Description: Extremely pleasing visuals in this introduction to the series. Emphasis is the interaction of the road and the environment, showing how properly maintaining the roadway actually helps keeps the ecosystem in balance.						
VT-019	52:30	1988	YES	VA TECH (VA COOP. EXT. SERVICE)	VHS	
PRUNING SERIES						
Video Description: This excellent tape has five programs about pruning: 'Introduction to Pruning,' 'Pruning Shrubs,' 'Pruning Shade Trees,' 'Pruning Fruit Trees,' and 'Pruning Small Fruit Trees.' The introduction explains why to prune and shows pruning tools, tool care, and different types of pruning cuts. The other four programs show the what, when, why, and how of pruning each plant.						
VT-399	16:07		No		VHS	
STREAM DIVERSION						
Video Description: This video addresses Erosion, Siltation Control and methods of stream relocation. It was explained that special care must be taken when construction occurs in and around our streams. Installation of pipe culverts box culverts impacts streams the most. The Diversion Channel Checklist consists of 3 steps: 1) Construction in the dry, 2) Channel stabilization, 3) Non-erodible dike.						
VT-289	101:00	1998	YES	CLEMSON T2 CENTER	VHS	
THE BEAVER POND LEVELER: ONE SOLUTION VIDEOCONFERENCE						
Video Description: The title is self-descriptive. This is a videoconference on how to get rid of those pesky beaver ponds.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: EQUIPMENT

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-377	8:56	2004	YES	VDOT LEARNING CENTER	VHS	
2-WAY RADIO MAINTENANCE						
Video Description: The VDOT Learning Center produced this video to save operators time, materials, and effort by applying the information in it when testing a mobile radio. The video will introduce you to basic maintenance of a two-way radio. It will show you how to perform simple repairs and help you identify common problems and describe them to a radio mechanic, if you are unable to perform the repair yourself.						
VT-318	15:00	1992	YES	VISTA	VHS	
BACKHOE LOADER SAFE OPERATING TECHNIQUES						
Video Description: This video emphasizes the personal responsibility of the backhoe operator for its safe operation. As the narrator says, 'The thing you can never forget is that the person in the operator's seat is the only one responsible for what this machine does.' Hazards in many scenarios are shown. Suitable for a safety meeting.						
VT-244	12:53	1995	NO	NM STATE HWY & TRANSPORTATION	VHS	
DAILY PREVENTIVE MAINTENANCE: MOTORGRADERS						
Video Description: Thoroughly covers each of the four daily checks motorgrader operators should make: prestart, warm-up, operating, and shutdown. Very good.						
VT-347	13:30	2001	YES	VISTA	VHS	
DUMP TRUCK OPERATION AND SAFETY						
Video Description: Safety consciousness is combined with detailed operational information in this thorough video on dump trucks. Elements in the video include the pre-shift check, load placement and surging, unloading, overhead clearances, hazards, and backing up. Throughout, the viewer is made aware that the truck driver is ultimately responsible for '... what that truck does.' Excellent video for a safety meeting.						
VT-410	8:30		No	VDOT Learning Center- Maintenance Training Aca	VHS	
DUMP TRUCK PM LOG BOOK: NEW PROCEDURES FOR INSPECTING STANDARD & TANDEM TRUCKS						
Video Description: Introduces new procedures effective January of 2003. Instructions for conducting preoperational inspection (for trucks and all accessories) using forms found in a truck's log book.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: EQUIPMENT

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-279	135:00	1996	YES	IRF/FHWA	VHS	
EQUIPMENT MANAGEMENT SYSTEMS SERIES						
Video Description:						
Has six modules: Introduction to Equipment Management Systems (EMS); Equipment Inventory; Equipment Maintenance; Parts and Supplies Management; Financial Management; and Equipment Management Information Sub-System.						
Introduction to EMS Equipment Inventory Equipment Maintenance Parts and Supplies Management Financial Management Equipment Management Information Sub-system and EMS Implementation.						
VT-413	10:29		Yes	Iowa Department of Transportation	VHS	
EQUIPMENT OPERATION						
Video Description:						
Instructs on the regular equipment checks needed to before leaving to plow – as well as the necessary equipment checks and clean up after a storm. This video also explained proper radio procedures and protocol and the best clothing to wear while out plowing snow.						
VT-319	14:55	1993	YES	VISTA BY DEERE AND COMPANY	VHS	
HOW ATTACHMENTS IMPROVE BACKHOE LOADER VERSATILITY						
Video Description:						
Video made by Deere and Company showcases many of the speciality attachments for backhoe loaders. Primarily a product demonstration tape. Attachments shown include multipurpose, side-dumping, clamping, and ripper buckets. Others include a boom attachment, pole erector, street sweeper, asphalt cutter, hydraulic breaker, and ripper tooth. There are even hand-held tools that utilize the backhoe loader's hydraulic system.						
VT-315	25:10	1989	YES	VISTA BY DEERE AND COMPANY	VHS	
HOW TO GET MORE OUT OF YOUR MOTORGRADER						
Video Description:						
A very technical 'how-to' video on motorgrader operation. Demonstrates how to build and maintain a road using a motorgrader. Includes ditch cleaning, grading slopes, and a specialized operation like the culvert cut. Stresses operator imagination and grader positioning. More operation-oriented than safety-oriented.						
VT-378	10:35	2003	YES	VDOT	VHS	
INSPECTING AIR BRAKES						
Video Description:						
This thorough step-by-step video shows how to perform both visual and operational inspections of air brakes. Even if you work with another type truck, you still be able to use the basic techniques shown on this video. The need for keeping well-maintained equipment is stressed and the design of the air brake system is covered on a demonstrator.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: EQUIPMENT

<i>Tape Number</i>	<i>Length (mins.)</i>	<i>Date</i>	<i>Copyrighted?</i>	<i>Source</i>	<i>Format</i>	<i>Video Series</i>
VT-401	11:51		No		VHS	
<i>LOADING, TRANSPORTING, AND UNLOADING HEAVY EQUIPMENT</i>						
<i>Video Description:</i> Defines the methods for safely and properly loading, transporting and unloading heavy equipment. The loading surface should be as level as possible and once on the truck, the equipment needs to be secured properly. Most states have chain laws which should be looked at as minimum requirements. Load needs to be secure as not to damage the equipment. It was cautioned that a load which is too high, heavy or wide is a hazard.						
VT-373	5:19	2004	YES	VDOT LEARNING CENTER	VHS	
<i>MOUNTING AND DISMOUNTING EQUIPMENT THE VDOT WAY</i>						
<i>Video Description:</i> From the VDOT Learning Center by way of the VDOT Maintenance Training Academy, this tape shows how to mount and dismount equipment using the three-point contact method.						
VT-379	6:17	2006	YES	VDOT LC-MTA	VHS	
<i>MULTIPURPOSE (ABC) FIRE EXTINGUISHER INSPECTION AND USE</i>						
<i>Video Description:</i> There's quite a lot in this short, little VDOT video – one that is excellent for a safety meeting. It discusses the three elements of a fire, what to do in a fire emergency, how to use a multi-purpose extinguisher to fight a small fire, and when not to fight a fire. In addition there is an excellent section on the right way to inspect fire extinguishers. A most efficient production!						
VT-398		2003	Yes	A.C.C.O.	VHS	
<i>ON AGAIN, OFF, AGAIN: A GUIDE TO MOUNTING AND DISMOUNTING HEAVY EQUIPMENT</i>						
<i>Video Description:</i> This video explains basic rules for mounting and dismounting heavy equipment.						
VT-380	32:46	2003	YES	VDOT LC-MTA	VHS	
<i>PERFORMING PR-OP INSPECTIONS ON STANDARD & TANDEM TRUCKS</i>						
<i>Video Description:</i> This very detailed video shows not only the pre-op inspections, but VDOT's documentation requirements for a truck's log book. The first fifteen minutes covers the importance of doing the inspections, necessary documentation, and the materials required to perform inspections. The last half of the video shows the actual inspection techniques.						
VT-374	5:45	2004	YES	VDOT LEARNING CENTER	VHS	
<i>PERSONAL PROTECTIVE EQUIPMENT FOR MAINTENANCE OPERATORS</i>						
<i>Video Description:</i> This program presents a detailed look at the Personal Protective Equipment (PPE) VDOT maintenance workers are required to wear in the field. The tape shows the five basic items and some additional ones that are required by the task one is performing. The tape presents the correct and safe way to wear PPE.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: EQUIPMENT

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-412	29:55		Yes	Iowa Department of Transportation	VHS	
PRE-SEASON PREPARATION						
Video Description: The video instructs on how to mount snow removal equipment (reversible plow, v-plow, light-duty wing, heavy-duty wing) and gives a step-by-step approach to conducting a pre-season check of all equipment (including the ice blade and high-speed under body plow).						
VT-316	54:20	1995	YES	VISTA BY CIMA	VHS	
ROLLER COMPACTOR SAFETY						
Video Description: Including everything you always wanted to know about roller compactors, this is a straight-forward ten-part video. Safety is emphasized. The ten parts are: Foreword, Follow a Safety Program, Prepare for Safe Operation, Start Safely, Work Safely, Park and Shutdown Safely, Load and Unload Machine Safely, Transporting Safely, Perform Maintenance Safely, and Special Situations.						
VT-227	36:30	1992	YES	VISTA	VHS	
SAFELY CONTROLLING THE POWER OF THE BACKHOE/LOADER (SEGMENTS ONE, TWO, AND THREE)						
Video Description: Divided into three segments, this series not only provides solid safety tips for backhoe/loader operators and mechanics, it explains the reason for each tip. It tells what can go wrong and why things need to be done properly. The three segments are: Walk Around the Backhoe/Loader On-the-Job Operating Safety Awareness Maintenance/Transportation.						
VT-323	19:00	1989	YES	VISTA BY DEERE AND COMPANY	VHS	
TAKING CONTROL OF YOUR MOTORGRADER						
Video Description: This video covers the basics of motorgrader operation including blade control, wheel lean, and articulation. Some of the controls shown are the scarifier lever, the differential lock pedal, the inching pedal, the accelerator pedal, the decelerator pedal, the saddle pin switch, and the hand throttle. A thorough video on motorgrader basics!						
VT-343	25:00	1995	YES	VISTA	VHS	
TRANSPORT TRAILER SAFETY						
Video Description: This program presents a detailed review of safe loading, tie-down, transport, and unloading procedures for hauling equipment. A good primer for the novice and an excellent review for the seasoned pro!						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: EQUIPMENT

<i>Tape Number</i>	<i>Length (mins.)</i>	<i>Date</i>	<i>Copyrighted?</i>	<i>Source</i>	<i>Format</i>	<i>Video Series</i>
VT-402	10:29		No		VHS	
USING THE 2-WAY RADIO						
Video Description: Explains how to use the 2-way radio and also outlines the acceptable uses. When using the 2-way radio it is important to communicate efficiently and properly. It is also important to be clear, correct and professional. Timely customer service and making most of resources depends on ability to exchange information. VDOT's expectations are that language must be suitable for public broadcast, names and words should be spelled out if necessary, list of ten codes should be used, speak slowly and clearly, be as brief as possible, and pause during long sentences.						
VT-314	21:00	1993	YES	VISTA	VHS	
WHEEL LOADER OPERATING TECHNIQUES						
Video Description: Jam-packed with do's and don'ts putting special emphasis on operator responsibility. A must-see if you operate a wheel loader. Great for an operators' safety meeting.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: GENERAL

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-333	7:24	2000	YES	VDOT	VHS	
THE SMART ROAD						
Video Description:						
Describes exciting, new test-bed roadway near Blacksburg that will be a state-of-the-art research lab for testing new transportation technologies. VDOT, in partnership with the Virginia Tech Transportation Institute and the Federal Highway Administration, is building a roadway that will have all-weather testing capabilities, a variable lighting section, experimental pavement sections and turnarounds at each end of the test bed to allow for continuous driving. The first 1.7 miles of the 5.7-mile roadway were completed and opened for research in the spring of 2000. For more information on the Smart Road, check out VDOT's website at http://www.vdot.state.va.us/proj/smartx.html .						
VT-338	7:04	1999	YES	VDOT	VHS	
THE SPRINGFIELD INTERCHANGE IMPROVEMENT PROJECT						
Video Description:						
Perhaps you have heard of the infamous "mixing bowl" in Springfield, Virginia where three interstate highways pass through one interchange. This video tells what VDOT plans to do to improve the interchange and how it hopes to minimize commuter and traveler delays during the eight-year construction project. Here are some truly amazing numbers about the interchange: an average of 370,000 vehicles per day, a \$350-million project, 48 bridges to be constructed, and 24 lanes of traffic on I-95 alone upon completion. For more, check out this video!						
VT-329	21:24	1998	YES	TRB NATL RESEARCH COUNCIL	VHS	
TRANSPORTATION VISUALIZATION: A TECHNICAL GUIDE						
Video Description:						
Extremely technical. For the computer nerd in you, this video gives tips for such visualization techniques as digital compositing, 3-D modelling, computer animation, and briefly, even morphing. If you just want to see the big picture and skip all this detailed, eye-glazing minutiae, check out the manager's version, VT-328.						
VT-328	9:34	1998	YES	TRB NATL RESEARCH COUNCIL	VHS	
TRANSPORTATION VISUALIZATION: MANAGER'S VERSION						
Video Description:						
At the beginning of this video, the purpose of transportation visualization is scripted under the video's title: "...to make visible the form and impact of future transportation systems." Visualization products are powerful communication tools both in the public forum and within a transportation agency. This video shows how transportation visualization may be used effectively by transportation agencies. For the 'How-to' video see VT-329.						
VT-298	5:00	1997	YES	VDOT	VHS	
VIRGINIA'S SMART TRAVEL PROGRAM						
Video Description:						
'Smart Travel' refers to using intelligent transportation technologies to get the most out of the roadway systems we currently have in Virginia. This video presents an overview of some of the technologies being developed and used in Virginia.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: MAINTENANCE

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-281	62:00	1995	YES	IRF/FHWA	VHS	
CONTRACT MAINTENANCE SERIES						
Video Description: Three modules are in this series. The first is an overview of how contract maintenance is used around the world. Module 2 details the procedures for developing a contract maintenance system. The final module, Supervision, gives information about specific areas of implementation of a contract maintenance system.						
VT-277	112:00	1995	YES	IRF/FHWA	VHS	
HIGHWAY MANAGEMENT SERIES TAPE 2 OF 2: MAINTENANCE MANAGEMENT SYSTEMS						
Video Description: This video has five modules: Maintenance Management Systems (MMS): An Overview; Developing Maintenance Standards; MMS Work Planning Process; MMS Work Authorization and Scheduling; and MMS Work Reporting and Evaluation. (See Pavement section for a similar tape on Pavement Management Systems, Highway Management Series Tape 1.)						
VT-282	39:00	1996	YES	IRF/FHWA	VHS	
LOW-VOLUME ROADS SERIES						
Video Description: The Low-Volume Road Series has two modules: Setting Maintenance Priorities for Low-Volume Roads and Managing Maintenance for Low-Volume Roads.						
VT-352	16:00	2002	NO	USDA FOREST SERVICE T&D CENTER FHWA	VHS	THE ROAD MAINTENANCE TRAINING VIDEO
MAINTAINING THE DITCH AND SURFACE CROSS DRAINS						
Video Description: Well-maintained ditches and surface cross drains are crucial systems for protecting the road and the environment. This video shows how to heel and pull ditches and construct and maintain different kinds of surface cross drains.						
VT-274	55:30	1995	NO	FHWA LTAP	VHS	
PROBLEMS ASSOCIATED WITH GRAVEL ROADS						
Video Description: Very good video, divided into three parts: environment and materials (14 minutes); problems - causes, prevention, corrections (23 1/2 minutes); maintenance equipment and techniques (18 minutes). Really shows almost everything you need to know about properly maintaining gravel roads. One of the best videos in the library!						
VT-350	16:30	2002	NO	USDA FOREST SERVICE T&D CENTER FHWA	VHS	THE ROAD MAINTENANCE TRAINING VIDEO
READING BEYOND THE TRAVELED WAY						
Video Description: 'We must be able to look beyond the traveled way to identify the causes of some significant problems and to perform the maintenance that will prevent future damage to the roads and the surrounding environment.' Some of the conditions observed beyond the traveled way include gullies, cracks and slumps, ditches, culverts, and brush.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: MAINTENANCE

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-349 READING THE TRAVELED WAY	16:00	2002	NO	USDA FOREST SERVICE T&D CENTER FHWA	VHS	THE ROAD MAINTENANCE TRAINING VIDEO
Video Description: 'Being able to read the road correctly is the first and most important step in effective road maintenance.' Conditions addressed in this video include rutting, washboarding, potholes, cracks, excessive vegetation, water bypassing surface cross drains, damage to bridges, and more!						
VT-351 SMOOTHING AND RESHAPING THE TRAVELED WAY	17:30	2002	NO	USDA FOREST SERVICE T&D CENTER FHWA	VHS	THE ROAD MAINTENANCE TRAINING VIDEO
Video Description: 'By facilitating proper water drainage, a well-maintained traveled way protects the road, the driver, and the environment.' Details of both smoothing and reshaping crowned, insloped, and outsloped roads, in addition to transition sections, are presented.						
VT-299 THE IMPORTANCE OF ROADWAY DRAINAGE	18:30	1998	NO	FHWA LTAP	VHS	
Video Description: Jam-packed video of everything you always wanted to know about roadway drainage. Excellent! Water is the most significant cause of damage to pavement structures and this video not only shows how structures can be damaged, but shows how to prevent the damage from occurring. Delivers far more than promised at the beginning: 'This film will tell you one thing: if you do not drain water the way you want it drained, nature will drain it for you.' A must-see for maintenance managers and workers.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: PAVEMENT

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-273	40:30	1995	NO	FHWA LTAP	VHS	

CHIP SEAL APPLICATION

Video Description:

A chip seal is a road surfacing operation, consisting of one or more applications of liquid asphalt and aggregate, that produces a waterproof and skid-resistant roadway surface. This three-part video is in metric units. The three parts are:

Part One: Chip Seal Preparation (17 1/2 minutes)

- Preliminary concerns
- Materials
- Equipment
- Surface preparation
- Weather requirements
- Application rates

Part Two: Chip Seal Procedures (13 minutes)

- Checking application rates
- Applying binder
- Spreading chips
- Rolling
- Joint construction
- Brooming
- Opening to traffic

Part Three: Chip Seal Problems (10 minutes)

VT-353	18:00	2002	NO	FHWA	VHS	
---------------	-------	------	----	------	-----	--

EFFECTIVE PAVEMENT PRESERVATION BY IDENTIFYING DISTRESS CONDITIONS, CAUSES AND CURES

Video Description:

The title tells all in this one. The video identifies causes of distress in flexible asphalt pavements and in rigid concrete pavements. Conditions examined in the asphalt pavements include cracks, rutting, corrugations, debonding, raveling, and potholes. Those identified in concrete pavements include cracking, pumping, faulting, joint spalling, scaling and more. It details quite a range of distresses and suggests how to fix them.

VT-276	85:00	1995	YES	IRF/FHWA	VHS	
---------------	-------	------	-----	----------	-----	--

HIGHWAY MANAGEMENT SERIES TAPE 1 OF 2: PAVEMENT MANAGEMENT SYSTEMS

Video Description:

This tape has four modules: Highway Management Systems - Introduction; Pavement Management Systems (PMS): An Overview; PMS Data Collection/Management; and Developing and Implementing Pavement Management Systems. (See the Maintenance section for a similar tape on Maintenance Management Systems, Highway Management Series Tape 2.)



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: PAVEMENT

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-043	87:00	1989	NO	FWHA DOT	VHS	
PAVEMENT STRUCTURE REPAIR TECHNIQUES (TAPE 1 OF 2)						
Video Description:						
A series of excellent programs on pavement structure repair techniques, and a supplementary videotape about basic traffic control. Tape 1 includes:						
Maintenance of Gravel Roads (27 minutes)						
Ditch Maintenance (16 1/2 minutes)						
Pothole Patching (17 minutes)						
Crack Sealing (16 minutes)						
Basic Traffic Control (10 1/2 minutes)						
VT-044	42:53	1989	NO	FWHA DOT	VHS	
PAVEMENT STRUCTURE REPAIR TECHNIQUES (TAPE 2 OF 2)						
Video Description:						
A series of excellent programs on pavement structure repair techniques, and a supplementary videotape about basic traffic control. On Tape 2 are:						
Shoulder Maintenance (21 1/2 minutes)						
Asphalt Chip Seals (21 1/2 minutes)						
VT-376			YES		VHS	
PERMANENT POTHOLE PATCHING						
Video Description:						
Where there's a pothole, there's a problem under the road that is, most likely, water. This video shows the equipment needed to patch, how and how much to dig to prepare the hole for patching material, how to tack the patch, how to place the material, and how to compact the fill. Although these procedures for permanently fixing a pothole are directed at a Utah DOT audience, they are good practice for any DOT.						
VT-344	30:00	2000	NO	FWHA + FOUNDATION FOR PAVEMENT PRES	VHS	
PREVENTIVE MAINTENANCE: PROJECT SELECTION						
Video Description:						
Why would you want to treat a pavement that is in pretty good condition? This video, a more detailed follow-up to Protecting Our Pavements: Preventive Maintenance (VT-287) answers that question. Briefly stated, preventive maintenance is a strategy that uses cost-effective treatments to extend the life of structurally sound pavements. Just remember: right road, right treatment right time. Right on!						
VT-287	14:14	1998	YES	FWHA & MICHIGAN DOT	VHS	
PROTECTING OUR PAVEMENTS: PREVENTIVE MAINTENANCE						
Video Description:						
'Time, traffic, and nature take their tolls on our pavements as the demands on our highway network continue to increase dramatically.' This tape shows how preventive maintenance (the right treatment to the right road at the right time) will save money.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: PAVEMENT

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-213	16:28	1993	NO	MINNESOTA LRRB	VHS	
SEALCOATING: A MATTER OF SCIENCE AND SKILL						
Video Description: Why to use sealcoating, when to do it, and how to do it correctly using asphalt binder covered with a layer of crushed rock.						
VT-342	36:40	1999	NO	FHWA + ARIZONA DOT	VHS	
SMOOTHER PAVEMENT: HIGHWAYS FIT FOR A KING						
Video Description: Arizona DOT adopted some innovative approaches to contracting in developing its pavement smoothness program. What Arizona transportation officials learned after inserting a smoothness clause into highway contracts is shown on each of the videos on this tape. One version is for state DOT's, the other for contractors. In addition to explaining the smoothness clause, good paving practices are demonstrated in these programs introduced by Richard Petty .						
VT-375			YES		VHS	
TEMPORARY POTHOLE PATCHING						
Video Description: Sometimes safety is the major concern when potholes pose a hazard. This video shows how Utah DOT patches potholes on a temporary basis until time and resources are available for permanent fixes.						
VT-223	9:30	1993	YES	INTL GROOVING/GRINDING ASSOC	VHS	
THE DIAMOND ADVANTAGE IN HIGHWAY GRINDING						
Video Description: This promotional video from the organization with the wildest name in the catalogue touts the advantages of diamond grinding to restore or improve rideability of concrete highways. The cost-effectiveness of the method and the improvement in skid resistance are stressed in this grooving-and-grinding-industry production.						
VT-257	7:57	1995	YES	ACPA AND NRMCA	VHS	
ULTRA-THIN WHITETOPPING						
Video Description: Promotional video plugs use of ultra-thin concrete whitetopping overlays on rutted asphalt pavements and intersections of municipal or local roads.						
VT-408	40:34		No	U.S. Access Board	VHS	
ACCESSIBLE SIDEWALKS: DESIGN ISSUES FOR PEDESTRIANS WITH DISABILITIES						
Video Description: This video addresses 4 different areas of design issues for pedestrians with disabilities: Design Issues for Pedestrians who use Wheelchairs, Design Issues for Pedestrians with ambulatory impairments, Design issues for Pedestrians with Low Vision, and Design Issues for Pedestrians who are blind.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: ROADSIDE HARDWARE

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-004	7:51	1993	NO	USDOT, FHWA	VHS	
AESTHETIC BRIDGE RAILS AND GUARDRAILS						
Video Description: Guardrails and bridge rails should prevent vehicles from leaving the roadway. This video shows designs for types of roadside safety hardware that blend into the surroundings and protect motorists. Crash tests on these aesthetic alternatives are also shown.						
VT-049	37:00	1993	NO	U.S. DOT, FHWA	VHS	
CONCRETE BRIDGE RAILINGS MODIFIED THRIE BEAM AND CABLE GUARDRAILS						
Video Description: A three-part videotape about highway hardware that keeps vehicles and the people in them on the roadway. 'Concrete Bridge Railings' (14 minutes) discusses the 1989 AASHTO guidelines for these structures. Crash tests for different performance levels in different types of vehicles are shown. 'The Modified Thrie Beam Guardrail' (9 minutes) shows why thrie beam is superior to w-beam, and includes a cost-benefit analysis and crash tests. 'Cable Guardrails' (12 minutes) shows the results of recent research efforts to improve the performance and decrease the cost of cable guardrail systems. Different designs of cable guardrails and crash tests are shown.						
VT-065	14:00	1989	NO	FWHA DOT	VHS	
MAILBOXES MAY BE HAZARDOUS TO YOUR HEALTH						
Video Description: The definitive video about safer mailbox design along highways. The Texas Transportation Institute at the Texas A & M University conducted early tests to see what happened when a car hit a mailbox. What happened was bad. The presentation documents mailbox design improvements showing crash tests and the evolution of safer designs. Mailbox location is also discussed as an important factor to reduce safety risks for motorists. This video is excellent.						
VT-324	12:10	1996	YES	INSURANCE INST FOR HWY SAFETY	VHS	
MAKING SAFER ROADS						
Video Description: Roadside hazards such as trees, utility poles, bridge abutments, and even old guardrails can be deadly to motorists who lose control of their vehicle. This video raises awareness about these hazards that are a very serious problem on rural secondary roads. It shows how the danger can be reduced by removal of the hazard or installation of a proper safety barrier.						
VT-220	11:36	1991	NO	NEW JERSEY DOT	VHS	
NEW JERSEY BREAKAWAY SIGN SUPPORT SYSTEM IMPLEMENTATION PACKAGE						
Video Description: Breakaway sign support systems are an important feature of roadside safety hardware. This video presents an overview of the procedure to assemble the New Jersey breakaway sign support system.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: SAFETY

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-365	13:50	1996	YES	IOWA DEPARTMENT OF TRANSPORTATION	VHS	
GRADING SAFETY						
Video Description:						
Shows dangers to avoid when grading with or driving heavy equipment in construction projects. Covers various terrains and situations. Excellent for promoting safety awareness.						
VT-339	10:00	1999	YES	VISTA	VHS	
HAND SIGNALS FOR CONSTRUCTION EQUIPMENT						
Video Description:						
Use of correct hand signals on a construction site can prevent accidents and even save lives. This video presents detailed instructions on how to use the hand signals developed by the Society of Automotive Engineers for operators of excavators and backhoes. Another excellent video from the people at Vista!						
VT-332	11:00	1990	YES	US DOT FHWA	VHS	
LP GAS: KNOW THE FACTS						
Video Description:						
Liquified petroleum gas performs a wide variety of jobs easily and readily. But, if handled incorrectly, watch out! A classic safety video from the Texas State Department of Highways and Public Transportation. Produced specifically for safety meetings.						
VT-371	13:10	1998	YES	IOWA DEPARTMENT OF TRANSPORTATION	VHS	
MOVING OPERATIONS/MAINTENANCE SAFETY						
Video Description:						
For moving operations, your traffic control needs to be portable. That means you are not going to have the protection you have on bigger, longer jobs. Looks at typical moving operations from least dangerous to most dangerous and also, many everyday maintenance operations. Excellent for a maintenance safety meeting!						
VT-066	24:00	1987	YES	CATERPILLAR & NATL SAFETY COUNCIL	VHS	
MULTIPLE CHOICE: A TEST ABOUT SURVIVAL						
Video Description:						
Recognizing risks and anticipating potential accidents on the job will make the job safer. This video shows six accidents involving heavy equipment. After each accident is shown, it gives viewers a multiple choice test about how the accident could have been prevented. The program can be used to promote discussion at safety meetings. Most likely older than 1987, but that was the year the T ² Center received the video.						
VT-363	11:11	1995	YES	IOWA DEPARTMENT OF TRANSPORTATION	VHS	
ONE STEP FROM DEATH						
Video Description:						
This video dramatically drives home the point that one careless moment in a construction work zone can be fatal. People who work in work zones must constantly think safety. After all, anyone in a work zone is just one step from death. Excellent for safety meetings!						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: SAFETY

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-368 PAVING SAFETY	11:17	1998	YES	IOWA DEPARTMENT OF TRANSPORTATION	VHS	
Video Description: Boredom, heat, humidity, traffic, nighttime and thunderstorms: these are some of the added ingredients that can increase danger for paving workers. Did we mention the everyday dangers that include lack of visibility and working around heavy equipment? This video promotes awareness and self-responsibility. Excellent for paving contractors and workers						
VT-366 PLANT SITE SAFETY	10:34	1995	YES	IOWA DEPARTMENT OF TRANSPORTATION	VHS	
Video Description: As the narrator says, "A plant site is a noisy, busy, dirty place, just looking for an accident. So, how can you be safe in a place like this?" This video provides some answers to that question. Being alert, taking necessary safety precautions, and proper material storage are stressed.						
VT-356 REMEMBER CHARLIE	56:49		YES	PHOENIX SAFETY MANAGEMENT C/O MOXIE T	VHS	
Video Description: Charlie Morecraft tells a compelling story, his own. But more than that, he explains how his story could become yours, if you don't take the time to follow the proper safety procedures or wear the proper safety gear. You see, Charlie had an accident on the job. To this day he is still asking himself, "What if ...?" Perfect for an hour-long safety meeting. Believe this: after viewing this tape you will remember Charlie!						
VT-311 RIGHT-OF-WAY MOWING SAFETY	23:00	1996	YES	VISTA W/ DEERE AND COMPANY	VHS	
Video Description: A must-see for tractor mower operators! This video is chock-full of absolutely essential information. Part one shows equipment and operational checks. Part two covers mowing operations. Ideal in length, content, and discussion potential for safety meetings. Excellent!!!! (Do you get the idea we really think this is a good tape?)						
VT-313 SAFE AND EFFICIENT OPERATION OF HAND-HELD CUTOFF SAWS	17:30	1997	YES	VISTA	VHS	
Video Description: A no-nonsense straight-to-the-point video. Included are saw inspection, blade selection, wet and dry cutting, fueling safety, proper starting technique, operation, and saw maintenance. Good for a safety meeting.						
VT-312 SAFETY TRAINING FOR REPAIR TECHNICIANS	21:00	1996	YES	VISTA	VHS	
Video Description: This solid safety video hits the mark. Concentrating on the three most common injuries, those to the eyes, hands, or back, it shows steps that can be taken to avoid them. There is also a section about how to prevent other general injuries. If you want to raise safety awareness, check this video out of our lending library and call a safety meeting!!						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: SAFETY

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-068	23:00	1987	YES	CATERPILLAR & NATL SAFETY COUNCIL	VHS	
SHAKE HANDS WITH DANGER						
Video Description: As the program narrator says, 'Anytime you pick up a wrench, reach for a control, use a grease gun, grab a welding torch, or work on any machine while forgetting safety, your shaking hands with danger.' This classic, produced in cooperation with the National Safety Council, shows how dangerous working with heavy equipment can be. Accidents are dramatized using stuntmen in this slick production. Excellent for safety meetings. Older than 1987, but that was the year the T ² Center received the video.						
VT-367	12:20	1996	YES	IOWA DEPARTMENT OF TRANSPORTATION	VHS	
STRUCTURES SAFETY						
Video Description: Building structures is extremely hazardous work. This video shows many of the hazards and suggests precautions one can take to increase safety.						
VT-369	17:08	1999	YES	IOWA DEPARTMENT OF TRANSPORTATION	VHS	
SURVEYING SAFETY						
Video Description: Surveyors work everywhere. This video goes through a lot of situations and hazards surveyors may face throughout the year in many different environments. Includes a segment on stupid mistakes. Another excellent video!						
VT-370	10:20	1996	YES	IOWA DEPARTMENT OF TRANSPORTATION	VHS	
TRAFFIC CONTROL SAFETY						
Video Description: "Your traffic control is your first line of defense." Looks at everything from the traffic control plan to taking down the last sign you put up first when you initially set up the traffic control zone. Remember, "Anytime you share the same space as traffic you're asking for trouble." Maybe this video could help you minimize that trouble.						
VT-372	14:20	1999	YES	IOWA DEPARTMENT OF TRANSPORTATION	VHS	
UTILITY SAFETY IN WORK ZONES						
Video Description: This gives a thorough overview for working in areas where utilities are located. The four main utilities, telecommunications, electricity, gas, and water are examined. Shows problems created when they are damaged. An excellent awareness video!						
VT-364	24:36	2002	YES	IOWA DEPARTMENT OF TRANSPORTATION	VHS	
WHEN LUCK RUNS OUT: PROFESSIONAL FLAGGING						
Video Description: Provides detailed flagging procedures for different situations. Stresses the importance of visibility, professionalism, and knowing what you are doing to be a good flagger. The reference to luck running out is about being ready for a dangerous situation when a careless driver threatens lives.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: SNOW/ICE CONTROL

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-286	12:45	1997	NO	FHWA & CRREL	VHS	
ANTI-ICING FOR MAINTENANCE PERSONNEL						
Video Description: 'Anti-icing is a systematic approach to winter road maintenance that requires the application of the right tools: material, equipment, strategy, and personnel at the right place and at the right time to minimize the impact of the ice-pavement bond.' This video shows some ways those tools are used.						
VT-406	25:00		Yes	Iowa Department of Transportation	VHS	
ANTI-ICING/DE-ICING						
Video Description: This video explains the use of deicing and anti-icing chemicals. The terms anti-icing and de-icing were defined. Various facts were discussed such as the fact that it is 10 times more expensive to deice than it is to anti-ice and that salt is still the most used chemical in deicing and anti-icing.						
VT-301	15:30	1999	NO	FHWA LTAP	VHS	
ATTACHING SNOW PLOWS TO MOTORGRADERS						
Video Description: Basically a show and tell video on how to attach different blades to motorgraders. Also has some pre-start checks and plowing tips for motorgraders operators.						
VT-189	10:42	1993	YES	SHRP	VHS	
EVALUATION PROCEDURES FOR DEICING CHEMICALS						
Video Description: Twelve primary tests for evaluating deicing chemicals are briefly described. They are: Two tests for ice melting capacity Two tests for ice penetration Two tests for ice undercutting An evaluation of corrosive effects of chemical deicers on metals An evaluation of effects of chemical deicers on concrete An evaluation of scaling effects of chemical deicers on concrete surfaces An evaluation of frictional characteristics of chemical deicers Preliminary assessment of the ecological effects of chemical deicers Evaluation of corrosive effects of chemical deicers on steel reinforcement.						
VT-403	10:50		Yes	Iowa Department of Transportation	VHS	
INTRODUCTION TO WINTER OPERATIONS						
Video Description: This gave an introduction to snow removal and identified the different equipment used by the Iowa DOT for effective snow and ice removal as well as an understanding of how each piece of equipment is used. Examples were given of different vehicles and equipment used for snow removal.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: SNOW/ICE CONTROL

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-404		1995	No	University of Minnesota Center for Transportation	VHS	
SNOW AND ICE CONTROL - A REVIEW OF INNOVATIVE PRACTICES - VOL 1						
Video Description: This video outlines the twelve effective actions for snow and ice control. The video also addresses policies, planning, performance and public communication.						
VT-405		2995	No	Minnesota Center for Transportation Studies	VHS	
SNOW AND ICE CONTROL - A REVIEW OF INNOVATIVE PRACTICES - VOL 2						
Video Description: This video outlines effective actions to be taken in snow and ice control. Equipment improvements are suggested and preventative maintenance is addressed.						
VT-284	24:20	1997	YES	VISTA	VHS	
SNOW REMOVAL TECHNIQUES: PLOWING TIPS FROM THE PROS						
Video Description: Excellent, thorough video targeted to the snow plow operator. Gives good advice from the complete prestart inspection right through to the post-trip report. Highly recommended.						
VT-300	7:12	1999	YES	IOWA DOT + AASHTO, FHWA, SHRP	VHS	
THE NEW GENERATION OF SNOW AND ICE CONTROL: ANTI-ICING AND RWIS						
Video Description: Shows the efficiency of using Road Weather Information Systems (RWIS) and anti-icing instead of traditional snow forecasting and clearing methods. Advantages of new, emerging technologies include service levels improvement, less time clearing roads, reduction of impact on the environment, reduction of damage to vehicles and pavement, and reduction of chemical use.						
VT-322	19:40	1996	NO	FHWA/CRREL	VHS	
WHAT IS ANTI-ICING?						
Video Description: Anti-icing is a technology developed as a result of the Strategic Highway Research Program. Anti-icing's goal is to prevent a strong bond between snow and ice and the pavement or ice and bridge decks. This video goes into the details.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: TORT LIABILITY

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-309	17:00	1991	YES	PENNDOT	VHS	
HOW TO GIVE A DEPOSITION						
Video Description: Explains how to prepare to give a deposition and shows what to be aware of when answering questions giving deposition testimony. Provides excellent examples of some traps one might encounter from the lawyers. Highly recommended for novices and as a quick review for those with experience in giving depositions.						
VT-308	41:00	1995	NO	PA LOCAL ROADS PROGRAM	VHS	
LOCAL GOVERNMENT ON TRIAL PART 1 - THE BACKGROUND						
Video Description: Companion video to VT-306. Explains legal processes and defines legal terms in a tort liability case from the accident that initiated the legal process through the trial phase.						
VT-306	90:00	1995	NO	PA LOCAL ROADS PROGRAM	VHS	
LOCAL GOVERNMENT ON TRIAL PART 2: THE TRIAL						
Video Description: Companion video to VT-308. Portrays tort liability issues in a mock trial, based on a real case in Pennsylvania. After a man is killed in an early morning accident, questions of liability arise. Who was negligent: the municipality, the contractor, or the driver? Listen to testimony and arguments, assess the evidence, then see if you agree with the jury's verdict.						
VT-305	5:00	1992	NO	PENNDOT	VHS	
TORTS ARE EVERYBODY'S BUSINESS						
Video Description: An introduction to tort liabilities local road agencies face. Promotes awareness to take necessary steps to avoid civil lawsuits.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: TRAFFIC

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-341	14:30	1997	NO	US DOT FHWA	VHS	
ACCESS MANAGEMENT: SENSIBLE SOLUTIONS FOR TOMORROW'S TRAFFIC						
Video Description:						
Given that traffic congestion is a hot topic in many communities, suppose there is a video that shows how to develop sensible and low-cost strategies that can assist smooth traffic flow and increase safety. Well, here it is! This video explains how access management can provide substantial reduction in accident costs, maintain the efficient movement of people and goods, preserve the public investment in the transportation infrastructure, reduce the need to build more roadways, protect the value of private investment, and enhance the environmental and economic vitality of surrounding communities. Definitely worth a look!!!						
VT-345	13:22	2001	NO	US DOT FHWA	VHS	
IT'S ABOUT TIME ... TRAFFIC SIGNAL MANAGEMENT: COST EFFECTIVE STREET CAPACITY AND SAFETY						
Video Description:						
Traffic signal management is "taking existing traffic signal equipment already in place and using various tools, techniques, and in some cases improved equipment to more efficiently utilize our city streets and signal systems." This video shows how and why traffic signal management can be most beneficial to communities where it is enacted.						
VT-230	22:15	1993	YES	NCHRP	VHS	
LIGHTNING & TRANSIENT PROTECTION FOR TRAFFIC SIGNAL CONTROLLERS: THE NUTS & BOLTS OF JOLTS						
Video Description:						
Electromagnetic threats such as power surges, radio transmissions, and electrostatic discharges create problems for traffic systems control equipment. This video shows how to protect the equipment. Included are these basic guidelines of traffic controller protection: device selection, placement, installation, grounding, bonding, shielding, and maintenance.						
VT-233	19:20	1994	YES	IRF AND FHWA	VHS	TRAFFIC CONTROL SERIES
MARKINGS AND ISLANDS						
Video Description:						
Presents design and application of markings and islands.						
VT-346	22:15	2001	NO	ITS FHWA	VHS	
SCHEDULED LIVES, STRESSFUL DRIVES: HOW ADVANCED TRAVELER INFORMATION SYSTEMS ARE CHANGING THE WAY WE THINK ABOUT URBAN MOBILITY						
Video Description:						
For transportation professionals, the video shows how providing information about traffic conditions can better help the public make decisions about commuting. Advanced Traveler Information Systems give them choices of time, route, and mode of travel.						
VT-258	9:50	1994	YES	VERMONT LOCAL ROADS	VHS	
SETTING SPEED LIMITS						
Video Description:						
Solid little video describes six factors to consider in conducting a traffic engineering survey for the purpose of setting a safe, reasonable speed limit. Though directed to Vermont local government audiences, what is shown presents an outline for doing the job right for almost any local government.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: TRAFFIC

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-270	26:22	1995	NO	US DOT FHWA	VHS	
SIGN MAINTENANCE AND INSTALLATION						
Video Description: Well-conceived, informative production uses the sign maintenance program developed by Riley County, Kansas, as a model. Discussed is a tracking system for all the county's sign maintenance that sets priorities and tracks what is done. Other elements include the proper use of traffic control devices and field operations. A solid video.						
VT-235	17:22	1994	YES	IRF AND FHWA	VHS	TRAFFIC CONTROL SERIES
SPECIAL USE TRAFFIC CONTROLS						
Video Description: Covers special use control signals not included in the other videos in the Traffic Control Series: hazard identification or speed beacons, lane use control signals, pedestrian signals, freeway ramp control signals, narrow bridge or tunnel signals, high-occupancy-vehicle facilities, changeable message signs, movable concrete barriers, and other miscellaneous devices.						
VT-224	35:43	1994	NO	USDOT FHWA	VHS	
TESTING AND FIELD INSPECTION OF ROADWAY DELINEATION						
Video Description: Delineation refers to pavement markings, highway signs, and post-mounted reflectors or signs that provide regulation, guidance, or information to drivers. This thorough video contains two parts: Part 1 Pre-application of materials Application of markings Inspection of new markings Part 2 Applications of other delineation Maintenance and inspection Review Provides an excellent overview of what is involved to create and maintain good roadway delineation.						
VT-335	4:47	1997	YES	VDOT	VHS	
TRAFFIC CALMING						
Video Description: Rudimentary VDOT video explains the basics of residential traffic calming to reduce speeding. In addition to defining which streets are eligible for traffic calming measures, the video shows six physical traffic calming devices and explains the advantages and disadvantages of using each.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: TRAFFIC

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-236	18:53	1994	YES	IRF AND FHWA	VHS	TRAFFIC CONTROL SERIES
TRAFFIC CONTROL SIGNALS AT INTERSECTIONS						
Video Description: Traffic control signals at an intersection are used only as a final option for traffic control. The program shows how engineers determine if a traffic signal is needed, how signal controller phasing works, and how signal timing works.						
VT-327	12:24	1996	YES	MN LOCAL RD RESEARCH BOARD	VHS	
TRAFFIC CONTROL: WHAT WORKS?						
Video Description: Installing a stop sign at an intersection may not be the answer for making that intersection safer. Consistency is an important factor of traffic control. This video is about how traffic engineers choose traffic control devices to improve safety. You might be surprised to learn that in certain situations fewer traffic control devices are better than more.						
VT-234	22:53	1994	YES	IRF AND FHWA	VHS	TRAFFIC CONTROL SERIES
TRAFFIC CONTROLS FOR SCHOOLS, RAILROAD CROSSINGS, AND BICYCLE FACILITIES						
Video Description: Extra safety considerations for the areas in the title are presented.						
VT-280	59:00	1995	YES	IRF/FHWA	VHS	
TRAFFIC SAFETY SERIES						
Video Description: The video focuses on three areas: Identifying Highway Safety Problems and Solutions; Evaluating and Selecting the Best Safety Alternatives; and Evaluating Safety Program Results. Identifying Highway Safety Problems and Solutions Evaluating and Selecting the Best Safety Alternatives Evaluating Safety Program Results.						
VT-238	19:00	1994	YES	IRF AND FHWA	VHS	TRAFFIC CONTROL SERIES
TRAFFIC SIGN INSPECTION AND MAINTENANCE						
Video Description: Covers sign inspection and maintenance. Looks at sign maintenance facilities, field equipment, and materials. Considers how to measure whether signs are performing at the proper level. Describes a sign inventory system in general and shows how data can be collected and stored.						
VT-237	21:12	1994	YES	IRF AND FHWA	VHS	TRAFFIC CONTROL SERIES
TRAFFIC SIGN PLACEMENT AND LOCATION						
Video Description: Covers placement and location of signs in general, then looks specifically at urban and rural areas and freeways.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: TRAFFIC

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-232	26:42	1994	YES	IRF AND FHWA	VHS	TRAFFIC CONTROL SERIES
WORLDWIDE TRAFFIC SIGN SYSTEMS OVERVIEW						
Video Description: 'Sign, sign, everywhere a sign' Three international sign systems, the U.S., European, and Latin American, are described. Regulatory, warning, and guidance signs in each system are shown. Sign color and shape in each system and special considerations are also discussed.						
VT-340	16:00	1998	YES	VIRGINIA POWER/NORTH CAROLINA POWER	VHS	
CONTRACTOR BEWARE: YOUR REAL-LIFE GUIDE TO POWER LINE SAFETY						
Video Description: Excellent video supplied to the Virginia Transportation T2 Center by Dominion Virginia Power to educate our clients about electrical safety. Lineman Martin fields introduces the subject, followed by several construction workers who share their personal experiences with electrical accidents. Included are: <ul style="list-style-type: none">·<input type="checkbox"/> An explanation of how electricity works·<input type="checkbox"/> The Virginia Overhead Lines High Voltage Safety Act·<input type="checkbox"/> Working safely around overhead and underground power lines·<input type="checkbox"/> Operating heavy equipment safely near power lines·<input type="checkbox"/> What to do if equipment contacts a power line.						
VT-397	19:00		No	Federal Highway Administration	VHS	
MAKING THE EFFORTS WORK: REDUCING UTILITY DELAYS DURING CONSTRUCTION						
Video Description: A study at Penn State found that utility related problems are the leading cause of delays to road construction projects. This video addresses the causes of delays and the ways these delays can be reduced. The importance of "Good Coordination, Cooperation & Communication" was specifically mentioned.						
VT-271	16:30	1995	YES	US DOT FHWA	VHS	
SUBSURFACE UTILITY ENGINEERING - A PROVEN SOLUTION						
Video Description: Subsurface utility engineering is a method for determining the location of underground utilities to minimize construction and design conflicts with proposed highway projects. Covered are designating, locating, surveying, mapping, and data management of underground utilities.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: WORK ZONE SAFETY

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-162	25:00	1992	NO	FHWA	VHS	
ADVANCE WARNING (FLASHING) ARROW PANELS: POSITIVE GUIDANCE						
Video Description: Almost everything one needs to know about this work zone traffic control device is included in this video: mode selections, design standards, applications and placement, costs and maintenance, recommendations for operation and usage.						
VT-163	25:00	1992	NO	FHWA	VHS	
BARRIER DELINEATION IN WORK ZONES: THE WELL-DEFINED PATH						
Video Description: Concrete safety-shaped barriers are being used more and more to protect motorists, pedestrians, and roadway workers. To be effective, and not create hazards, they must be seen. This video is about how to delineate these barriers properly so they are visible along 'the well-defined path.' Included for loan is a brochure from the FHWA's Office of Highway Safety.						
VT-240	21:30	1994	YES	IRF AND FHWA	VHS	JOB SITE SAFETY SERIES
DEVELOPING JOB SITE TRAFFIC CONTROL PLANS						
Video Description: Another good one! Shows how to develop an effective traffic control plan. Describes process of pre-planning, design, implementation, evaluation, and revision.						
VT-158	12:16	1996	YES	VDOT OFFICE OF PUBLIC AFFAIRS	VHS	
FLAGPERSON CERTIFICATION						
Video Description: Proper flagging procedures are vital to safety. This program presents information all flaggers must know to be certified to flag in Virginia.						
VT-241	24:17	1994	YES	IRF AND FHWA	VHS	JOB SITE SAFETY SERIES
INSTALLATION, INSPECTION, AND MAINTENANCE OF WORKSITE TRAFFIC CONTROL DEVICES						
Video Description: Yes! Program covers installation, inspection, and maintenance of traffic control devices at a worksite based on a traffic control plan.						
VT-304	36:00	19??	YES	ATSSA	VHS	
LIFE IN THE CLOSED LANE PARTS 1 AND 2						
Video Description: A thorough piece, this is converted from a slide presentation into video. From the experts at the American Traffic Safety Services Association, the video is divided into two parts, Introduction to Work Zone Traffic Control and Survival Guide for Traffic Control Specialists. Although dated, it clearly explains the do's and don'ts of work zone traffic control.						



Virginia LTAP Video Library Database

Virginia LTAP

Subject Category: WORK ZONE SAFETY

Tape Number	Length (mins.)	Date	Copyrighted?	Source	Format	Video Series
VT-157	18:00	1993	YES	ATSSA	VHS	
NIGHTTIME WORK ZONE TRAFFIC CONTROL						
Video Description: Work zones can be hazardous, even under ideal conditions on the sunniest day. Work zones at night present a whole range of different problems that must be addressed. This video shows techniques and devices that lessen work zone dangers at night.						
VT-317	25:00	1998	YES	VISTA	VHS	
ROAD CREW SAFETY						
Video Description: This video examines basic safety concerns road crews face every day. It suggests some common-sense practices to help avoid work zone accidents. It looks at traffic control, different types of equipment, safe equipment practices, safety from the ground crew's point of view, and ways to prevent hazards on the job. There's a lot of useful information here. A good video for a safety meeting.						
VT-155	33:00	1993	YES	ATSSA	VHS	
THE THIN ORANGE LINE						
Video Description: The thin orange line refers to the variety of traffic control devices used to protect road users and workers when a work zone traffic control system is in place. This video about work zone traffic control is divided into two parts. The first part shows references about work zones that are available for highway construction inspectors' use. It also discusses work zone traffic control objectives and basic work zone design. Part Two is about work zone operations.						
VT-151	46:15	1990	NO	FWHA DOT	VHS	
TRAFFIC BARRIERS: AN OVERVIEW						
Video Description: How well a traffic barrier works when hit determines whether or not a motorist is seriously injured or killed. This video is a series of programs that give examples for correctly installing, maintaining, and repairing five barrier systems. How these systems work, why they are used, and factors that might cause them to fail are discussed. The systems featured are: Cable barrier Box beam weak post Strong post Concrete barrier End treatment.						
VT-310	21:30	1998	YES	VDOT	VHS	
WHAT'S WRONG WITH THIS WORK ZONE?						
Video Description: You are driven through two work zones, one on a four-lane highway, the other on a rural two-lane road. Each work zone has several errors. Can you spot what's wrong? Excellent video for safety meetings.						



Virginia LTAP

Virginia LTAP Video Library Database

Subject Category: WORK ZONE SAFETY

<i>Tape Number</i>	<i>Length (mins.)</i>	<i>Date</i>	<i>Copyrighted?</i>	<i>Source</i>	<i>Format</i>	<i>Video Series</i>
VT-239	25:34	1994	YES	IRF AND FHWA	VHS	JOB SITE SAFETY SERIES

WORK ZONE SAFETY CONCEPTS

Video Description:

Superb synopsis! Shows basic principles of work zone safety, traffic control zones, planning for traffic control, the function of traffic control devices, and typical applications.

VT-164	108:00	1995	NO	US DOT FHWA	VHS	
---------------	--------	------	----	-------------	-----	--

WORK ZONE SAFETY FOR ROADWAY MAINTENANCE OPERATIONS

Video Description:

Emphasis in this video is placed on work zones set up in daytime for less than one workshift, although nighttime operations are referenced. The video is segmented into these topics with approximate times:

- Introduction (15 1/2 minutes)
- Traffic Control Devices (18 minutes)
- Traffic Control Zones (14 1/2 minutes)
- Typical Applications (15 1/2 minutes)
- Flagging Operations and Procedures (12 1/2 minutes)
- Legal Liability (15 minutes)
- A Typical Day (8 minutes).

Overall, this is an excellent production.
