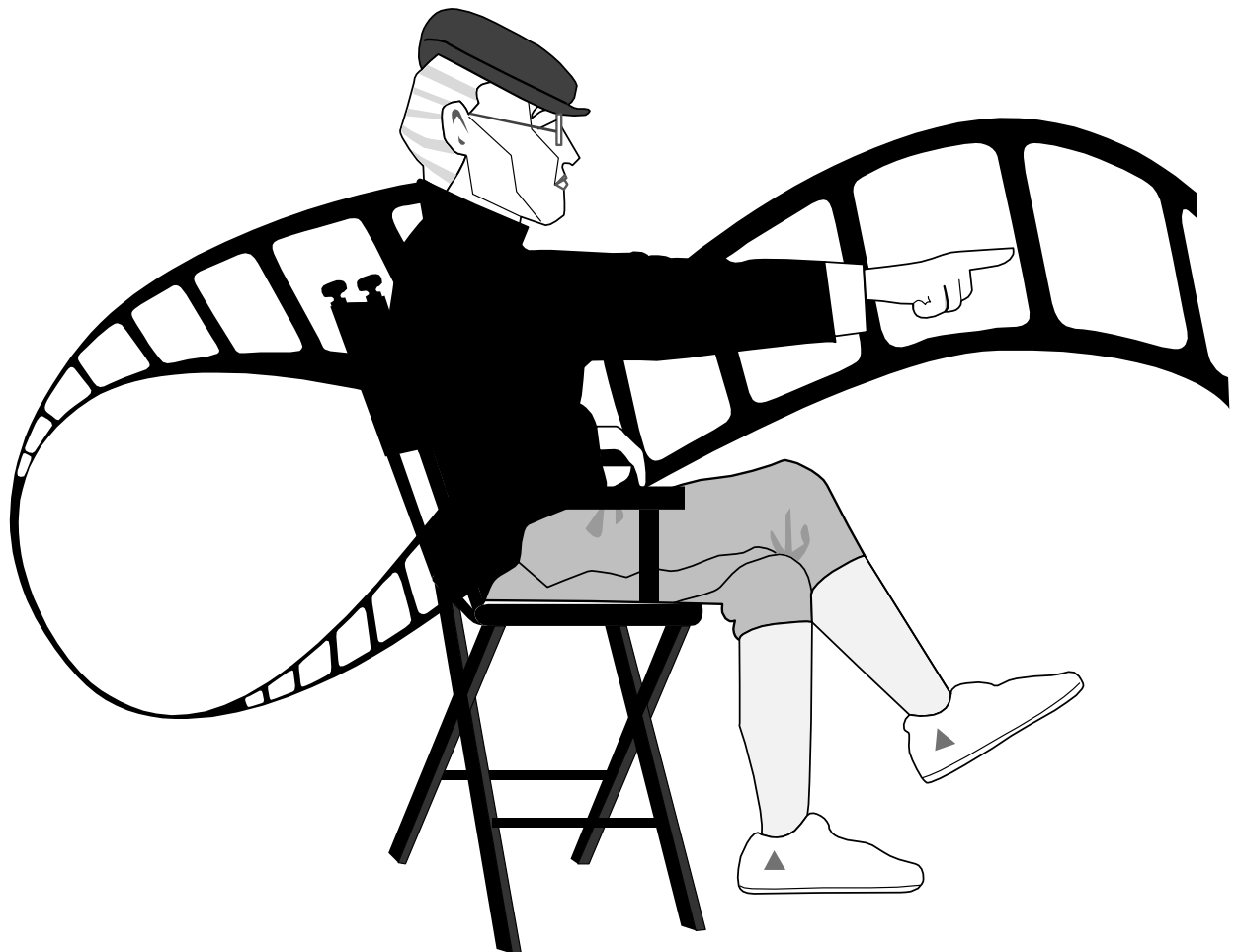


# Video Catalog 1999

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OVER 500 VIDEOS ON VARIOUS TOPICS RELATED TO TRANSPORTATION



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University of Kentucky  
128 Raymond Building  
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## KENTUCKY TRANSPORTATION CENTER

### *Our Mission*

We provide services to the transportation community through research, technology exchange and education. We create and participate in partnerships to promote safe and effective transportation systems.

### *We Value...*

Teamwork -- Listening and Communicating, Along with Courtesy and Respect for Others  
Honesty and Ethical Behavior  
Delivering the Highest Quality Products and Services  
Continuous Improvement in All That We Do

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## TABLE OF CONTENTS

Introduction .....	ii
Order Form .....	iii
List of Videos (Numerically) .....	1-82
Subject Index .....	83-104
Administration and General Management .....	84
Asphalt .....	84
Bridges and Structures .....	85
Commercial Drives License .....	86
Concrete .....	86
Design and Construction .....	87
Education, Training, & Technology Transfer .....	87
Engineering .....	87
Equipment and Vehicles .....	88
General .....	90
Geotechnology, Drainage, Water .....	90
Gravel Roads & Unpaved Roads .....	91
Intelligent Transportation Systems .....	91
Liability, Legal Issues, Risk Mangement .....	92
Maintenance and Operations .....	92
Management Systems .....	94
Materials .....	95
Pavements .....	96
Quality .....	98
Research & Testing .....	98
Roadside Features (Guardrails, Mailboxes, Utilities) .....	98
Safety & Health .....	99
Snow & Ice Control, Temperature, Weather .....	101
Traffic Operations & Traffic Engineering .....	102
Transportation (General) .....	103
Work Zones .....	104

## INTRODUCTION

The Kentucky Transportation Center's Technology Transfer Program for Local Governments is funded by the Federal Highway Administration's Local Technical Assistance Program (LTAP) and the Kentucky Transportation Cabinet. The Technology Transfer Program helps provide governmental agencies with improved access to new technologies for the construction, operation, and maintenance of their local roads, streets, and bridges. Services are provided through publications, training workshops and conferences, a lending library, a newsletter, and on-site technical assistance. This publication is partially funded by LTAP.

As a service of the Kentucky Transportation Center's lending library, a catalog of videos that are available for loan has been compiled. The titles are arranged numerically by video number, with a brief description of each video along with other information such as date, publisher, and length of time. Following are the conditions and procedures for borrowing videos.

- ! Free loan of videos.
- ! Up to three titles at a time per agency.
- ! Two week loan period. Please return videos by end of the loan period so others may borrow them.
- ! Order by mail, phone, fax, or e-mail .
- ! Please rewind tapes and return by First Class mail (Your only cost).

**NOTE:** The videos marked with an **asterisk (\*)** are protected by copyright and may NOT be reproduced without written permission from the publisher.

An index at the end lists the titles by subject. Please refer to the numerical list of videos for a full description of the titles. An order form, which you may duplicate, is provided or you may call or send e-mail to request videos.

VIDEO TAPE ORDER FORM  
(May Be Duplicated)

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University of Kentucky  
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Lexington, KY 40506-0281

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(800) 432-0719 (In KY)  
Fax: (606) 257-1815  
E-mail: lwhayne@engr.uky.edu  
Librarian: Laura Whayne

DATE: \_\_\_\_\_ PHONE: ( \_\_\_\_\_ ) \_\_\_\_\_

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ADDRESS: \_\_\_\_\_

REQUESTED VIDEO(S) (Video Number):

1. AV-V \_\_\_\_\_      2. AV-V \_\_\_\_\_      3. AV-V \_\_\_\_\_

IMPORTANT!!! PLEASE REWIND THE TAPE(S) AND RETURN BY FIRST CLASS MAIL.

PLEASE RETURN THE TAPE(S) NO LATER THAN THE DUE DATE. WE APPRECIATE YOUR COOPERATION.

\*\*\*\*\*

(FOR OFFICE USE ONLY)

DUE DATE: \_\_\_\_\_

- AV-V001**            **AASHTO Guide to Recruitment and Retention of Civil Engineers**  
 Institute of Transportation Engineers  
 01/01/1989  
 \*1/2" VHS, 17 min. Young transportation engineers explain and discuss their jobs.
- AV-V002**            **AASHTO Presents Tort Liability of State Highway and Transportation Agencies**  
 AASHTO  
 01/01/1986  
 1/2" VHS, 51 min. Richard O Jones defines and explains tort liability. Departments of transportation have a duty to provide a safe environment. Due to negligence, an agency or individual may be sued. Litigation is often related to construction and maintenance operations.
- AV-V003**            **Advance Warning (Flashing) Arrow Panels: Positive Guidance; Barrier Delineation in Work Zones: The Well-Defined Path**  
 DOT FHWA  
 1/2" VHS, 25 min.; 24 min. "Flashing Panels" covers mode selection, design standards, applications and placement, costs and maintenance, and recommendations for usage. "Barriers" addresses standards, placement situations, delineation techniques, end treatments, maintenance, and selection.
- AV-V004**            **Advanced Institute for Transportation Systems Science: The New Professional**  
 University of Kentucky  
 03/13/1990  
 1/2" VHS, 3/4" VHS, 7 min. A new program has been established at the University of Kentucky to prepare and train transportation professionals.
- AV-V005**            **Advanced Institute of Transportation Systems Science: The New Professional.**  
 Kentucky Transportation Center  
 07/31/1990  
 1/2" VHS, 8 min. Revised 7-31-90. A new program has been established at the University of Kentucky to prepare and train transportation professionals.
- AV-V006**            **Advantage I-75**  
 Kentucky Transportation Center  
 10/01/1990  
 1/2" VHS; 10 min. An intelligent vehicle/highway system proposed for the I-75 corridor states and Canadian provinces with a focus on commercial vehicles.  
 c.4-lost-3/92
- AV-V007**            **Advantage I-75**  
 Video Editing Services  
 05/22/1992  
 1", 13 min., Video Master, Not for Circulation. Audio Ch. #1 VO Only.
- AV-V008**            **Advantage I-75, 2nd Edition**  
 Kentucky Transportation Center; University of Kentucky

01/01/1992

1/2" VHS, 14 min. 2nd edition. Explains Advantage I-75 which is an IVHS project for motor carriers moving along I-75. Safety, productivity, and efficiency are some of the advantages of the system to the trucking industry.

**AV-V009**

**Advantage I-75; Third Edition**

Kentucky Transportation Center; University of Kentucky

01/01/1995

\* 1/2" VHS, 11 min. Advantage I-75 is an Intelligent Transportation System project that addresses truck monitoring, traffic management, and safety along the I-75 Corridor and Highway 401 in Canada.

**AV-V010**

**Aesthetic Bridge Rails and Guardrails**

DOT FHWA

1/2" VHS, 8 min. The video summarizes the crash testing and special features of aesthetic bridge rails and guardrails. Accompanied by report FHWA-SA-91-051.

**AV-V011**

**AGC's Partnering: A Concept for Success**

Associated General Contractors of America

01/01/1992

1/2" VHS, 12 min. Partnering is a management concept in which all parties work together to resolve problems. The 3 keys to successful partnering are commitment, communication, and conflict resolution. See Book: Partnering: A Concept for Success

**AV-V012**

**Alkali-Silica Testing**

Strategic Highway Research Program

06/01/1994

1/2" VHS, 20 min. Alkali-Silica Reactivity (ASR) is a major cause of cracking in concrete. This video looks at determination of ASR, prevention, and testing (conventional and new). Accompanied by Handbook SHRP-C-FR-91-101. Accompanied by a manual: SHRP-C-413.

**AV-V013**

**Allied Telecommunications: Barco Data 600 and Barco Graphics 800**

Allied Telecommunications

03/06/1991

\*1/2" VHS, Demonstration of Allied Telecommunication's Barco video projection system.

**AV-V014**

**Asphalt Crack Treatment: Helpful Information for the Road**

Braun Intertec

11/01/1992

1/2" VHS, 15 min. Reviews the different methods of repairing cracks in asphalt pavement.

**AV-V015**

**Asphalt Maintenance Techniques**

Video University Productions

01/01/1993

\* 1/2" VHS, 85 min. Covers the asphalt maintenance techniques of seal coating,

asphalt overlay, cutouts & repair, crack filling, striping, and geotextiles.

- AV-V016**      **Asphalt Overlays: The Four P's**  
Minnesota Local Road Research Board  
10/10/1994  
\* 1/2" VHS 16 min. Intended for local government officials, this video focuses on explaining the philosophy, purpose, and benefits of asphalt overlays. The video briefly presents the components and how to's of placing an asphalt overlay, but is not intended to be a training video. The four P's are planning, preparation, production, and placement.
- AV-V017**      **Asphalt Pavement Applications with Robert Joubet**  
St. Michael's College, VT Transportation Information Exchange  
1/2" VHS. Discussion centers on the surface applications of fog seals and chip seals. It covers basic design factors affecting seal coats, and details hot-mix applications for overlay work.
- AV-V018**      **Asphalt Paving Inspection**  
Utah Dept. of Transportation  
10/01/1977  
1/2" VHS, 28 min. Covers mixing plants, plant inspection, lay down inspection, and sample testing procedures including nuclear testing. Inspection and safety are emphasized.
- AV-V019**      **Back to Basics**  
Safety Shorts Production, Inc.  
01/01/1992  
\* 1/2" VHS, 5 min. This video shows what can cause back injuries and how to avoid them.
- AV-V020**      **Backhoe, Parts 1 & 2**  
Delaware Dept. of Transportation  
1/2" VHS, 22 min. Presents information on maintaining and operating a backhoe. Covers machine parts and functions, pre-trip inspections, operating techniques, and shut-down procedures.
- AV-V021**      **Base and Sub-Base Repair**  
International Road Federation  
01/01/1988  
\* 1/2" VHS, 16 min. Outlines a nine-step base repair system and covers on-site moisture tests. Accompanied by a supplemental statement.
- AV-V022**      **Basics of Local Road Engineering**  
St. Michael's College, VT Transportation Information Exchange  
09/01/1983  
1/2" VHS, 55 min. A presentation by Lynne Irwin on how to build a good road. Design considerations covered are capacity, geometrics, drainage, pavements, and safety.
- AV-V023**      **Batch Plant Maintenance**  
Video University Productions

01/01/1992

\* 1/2" VHS, 60 min. Over 70 cost saving inspection and maintenance procedures are explained.

**AV-V024**

**Baystate Roads Drainage Workshop**

Baystate Roads Program (Massachusetts)

10/21/1988

1/2" VHS, 260 min. Covers the topics of the hydraulic cycle, drainage facilities, estimating runoff, sizing culverts and ditches, erosion control, installation and maintenance, and channel relocation.

**AV-V025**

**Be a Good Neighbor. Be a Designated Driver Final Choices: The Brad Shipman Story**

State Farm Insurance

10/01/1991

\* 1/2" VHS, 15 min. Oversize. Accompanied by print material. This video outlines the tremendous consequences that occurred after a young man was involved in an alcohol-related accident.

**AV-V026**

**Best Defense Is a Good Road**

Cornell University Local Roads Program; DOT FHWA

04/01/1989

1/2" VHS & Booklet, 16 min. Discusses the importance of risk management by having a good maintenance management program. By inspecting, setting priorities, taking action, and documenting the action, the risk of tort liability is reduced.

**AV-V027**

**Better Inductive Loop Detectors**

DOT FHWA

01/27/1986

1/2" VHS, 16 min. Presents a summary of the state-of-the-art of loop detector installation.

**AV-V028**

**Better Road Management**

West Virginia Dept. of Highways

10/03/1985

1/2" VHS, 6 min. Developing a pavement maintenance program is especially important during fiscally tight years. Such a program requires long range planning and preventive maintenance operations, such as improving drainage and crack sealing.

**AV-V029**

**Beyond Close to the Customer**

Video Publishing House, Inc.

01/01/1989

\* 1/2" VHS, 111 min. LOAN TO KTC STAFF ONLY. Tom Peters discusses the issues of providing fast and good quality service to our customers. Accompanied by a Viewer's Guide and Exercises.

**AV-V030**

**Big Cable Bridges, How Did They Do That?**

Segments of Knowledge

01/01/1994

\* 1/2" VHS, 30, min. An educational video for children that shows and explains how cable-stayed bridges are built.

- AV-V031**            **Bikes! Art, Elegance, and Engineering**  
National Society of Professional Engineers  
01/01/1991  
\*1/2" VHS, 8 min. It teaches students about engineering through something they appreciate: bicycles. The story of the engineering team is told through bike racing and manufacturing. For grades 5-9 .
- AV-V032**            **Bituminous Concrete Paving**  
Northwest T2 Center  
10/01/1985  
1/2" VHS, 45 min. In three parts: (1) preliminary checks and equipment; (2) surface preparation and tack coats; and (3) delivery of hot-mix paving, compaction, and final project acceptance.
- AV-V033**            **Bituminous Plant Inspection**  
Northwest T2 Center  
10/01/1985  
1/2" VHS, 37 min. It covers the "basics" of bituminous plants. Subjects include materials, batch plant operations, and drum mix plants.
- AV-V034**            **Bituminous Seal Coat**  
Northwest T2  
10/01/1985  
1/2" VHS, 16 min. It presents materials, equipment, traffic control, and work methods for bituminous seal coats.
- AV-V035**            **Blades; 90 Degree High Bank Setting-Motor Grader**  
New Mexico State Highway Dept.  
01/01/1982  
1/2" VHS, 44 min. I. An introduction to motor graders. Covers daily preventive maintenance, instruments and controls, and basic operations. (39 min.). II. Also gives instructions for the 90 degree high bank setting for motor graders. (5 min.).
- AV-V036**            **Blading Unpaved Roads**  
DOT FHWA  
05/01/1988  
1/2" VHS, 22 min. It covers the proper techniques for blading unpaved roads. Special situations covered include intersections, railroad crossings, driveways, and bridge approaches.
- AV-V037**            **Breakaway Sign Program**  
New Jersey Dept. of Transportation  
01/01/1991  
Media Format: 1/2" VHS, 12 min. Documents the New Jersey breakaway sign support system, which has achieved its safety objective of saving lives. Accompanied by a report: FHWA-SA-91-004

- AV-V038**            **Breakaway Timber Utility Poles**  
 DOT FHWA  
 06/01/1989  
 1/2" VHS, 15 min. Shows crash tests and actual installation by a utility crew of the breakaway apparatus. Jim Carney, Chief of FHWA's Railroads, Utilities, and Pavements Branch, urges further field testing of breakaway pole installations.
- AV-V039**            **Bridge Deck Overlays**  
 Strategic Highway Research Program  
 06/01/1994  
 1/2" VHS, 14 min. Bridge deck overlays are addressed in this video. It examines deck condition, materials, surface preparation, and overlay placement.  
 Accompanied by a manual: SHRP-C-412.
- AV-V040**            **Bridge Management Systems**  
 Pennsylvania Dept. of Transportation  
 01/09/1987  
 1/2" VHS, 30 min. Engineers discuss a bridge management system, which is a prioritization system for maintenance and replacement of bridges.
- AV-V041**            **Brush Cutter**  
 Delaware Dept. of Transportation  
 1/2" VHS, 13 min. A brush cutter is used to clear roadsides of brush and excess vegetation. Video covers pre-trip inspection, operating techniques, and shut-down procedures.
- AV-V042**            **Budget Analysis Procedures**  
 Metropolitan Transportation Commission  
 10/01/1986  
 \* 1/2" VHS, 112 min. This video covers budget analysis procedures of a pavement management system.
- AV-V043**            **Business of Paradigms**  
 Charthouse Learning Corporation  
 01/01/1989  
 \*1/2" VHS, 38 Min. Barker explores how hidden barriers to new ideas limit our ability to successfully anticipate the future. LOAN TO KTC STAFF ONLY.
- AV-V044**            **Cabintaxi: Transit Without Waiting; Cabinlift**  
 Cabintaxi Corporation  
 \*1/2" VHS, 12 min. Cabintaxi is a transit system of units on an overhead guideway that can have the destination programmed individually. Cabinlift connects buildings in a complex with a guideway system that docks, descends to station level, and provides easy access.
- AV-V045**            **Can a PC Help You?**  
 Kansas University Transportation Center  
 01/01/1990  
 1/2" VHS, 29 min. A brief introduction to personal computer technology for

rural transportation agencies, focusing on the factors to be considered when preparing to purchase a first system and stressing effective applications of computer technology.

- AV-V046**            **Careers in Transportation Engineering**  
Institute of Transportation Engineers  
01/01/1989  
\*1/2" VHS, 17 min. Shows young adults in engineering activities: program is designed to generate interest in transportation engineering careers.
- AV-V047**            **Caution, Litigation Ahead: The Road to Effective Risk Management**  
DOT FHWA  
04/01/1988  
1/2" VHS, 25 min. 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.
- AV-V048**            **Children in Traffic: Why They Are Different**  
AAA Foundation for Traffic Safety  
01/01/1983  
\* 1/2" VHS, 13 min. Designed to show drivers how children differ from adults in their perceptions of traffic. Drivers are cautioned to be alert for children and not just rely on traffic regulations.
- AV-V049**            **City Maintenance Operations**  
Traffic Education & Consulting Services  
01/01/1994  
\*1/2" VHS, 15 min. Accompanied by two Guides: Unique approaches to traffic control during city maintenance operations including street patching, intersection stripping, traffic signal repair, and overhead light maintenance.
- AV-V050**            **Cleaning and Clearing of Bridges**  
International Road Federation  
\* 1/2" VHS, 13 min. Describes what, why, and how to clean bridges and components. It includes procedures for cleaning bridge decks, drain holes, drain spouts, expansion joints, signs and reflectors, unauthorized writing or painting, bearing assemblies, pier caps and abutments, and removing debris and waterway obstructions.
- AV-V051**            **Cleaning of Lined Ditches, Culverts and Catch Basins**  
International Road Federation  
\* 1/2" VHS, 16 min. Proper procedures for manual cleaning of lined ditches, culverts, and catch basins are demonstrated.
- AV-V052**            **Coal Summit II Lexington Kentucky**  
Kentucky Foundation for Energy Technology Development, Inc.  
04/15/1987  
1/2" VHS, 23 min. Coal producers, transporters, consumers, and government leaders met and developed, for recommendation, an energy policy.
- AV-V053**            **Cold In-Place Recycling**

Asphalt Recycling and Reclaiming Assn.  
\*1/2" VHS, 10 min. Overview of single unit and "train" recycling methods.  
Good as introduction to topic for anyone unfamiliar with cold in-place recycling.

- AV-V054**      **Cold Weather Effects**  
Caterpillar  
01/01/1975  
\* 1/2" VHS, 22 min. Laboratory demonstration is used to show the effects of cold weather on materials, lubricants, coolants, and systems of Caterpillar equipment at sub-zero temperatures (0 F. to -45 F.)
- AV-V055**      **Colorado and No Place Else**  
Colorado Economic Development Commission  
\*1/2" VHS, 23:00 min. Marketing video that presents the historical, economical, cultural, and recreational aspects of Colorado.
- AV-V056**      **Coming and Going Viewer's Guide**  
Greater Washington Educational Telecommunications Assn., Inc.  
01/01/1994  
Accompanied by three videos of same title.
- AV-V057**      **Coming and Going: Coast to Coast**  
Films for the Humanities Inc.  
01/01/1994  
\* 1/2" VHS, 58 min. Loan to KTC Staff only. This video examines the importance of travel and mobility to Americans and what transportation has meant to the country. Accompanied by a viewer's guide.
- AV-V058**      **Coming and Going: Over the Long Haul**  
Films for the Humanities, Inc.  
01/01/1994  
\* 1/2" VHS, 57 min. Loan to KTC Staff only. This video examines freight transportation in the U.S.: the different modes and the complex system that moves the freight. "Just-in-time" deliveries are also presented. Accompanied by a viewers guide.
- AV-V059**      **Coming and Going: Road to the Future**  
Films for the Humanities, Inc.  
01/01/1994  
\* 1/2" VHS, 57 min. Loan to KTC Staff only. This video examines how the automobile has shaped urban and suburban growth in four representative cities. Accompanied by a viewer's guide.
- AV-V060**      **Commercial Drivers License Study Program**  
Amalgamated Transit Union  
\* 1/2" VHS, 60 min. With accompanying Information Brochure. A study program and review of requirements for taking the Commercial Drivers' License test.
- AV-V061**      **Commercial Drivers License Video Series Parts 1-7**  
Pennsylvania Dept. of Transportation

1/2" VHS, 3 videos-90 min. each. Safety tips when driving commercial trucks; Safety tips for driving on snow and ice; Traffic rules for trucks and buses and tips on record-keeping.

**AV-V062**

**Common Maintenance Problems and Causes**

International Road Federation

\* 1/2" VHS, 21 min. This presentation covers maintenance problems on pavement surfaces, road bases and subbases, earth and gravel roads shoulder drainage facilities, and roadside areas.

**AV-V063**

**Community Flood Plain Management**

Federal Emergency Management Agency

08/08/1989

1/2" VHS, 3.5 hours. A video course for community officials on flood plain management. 8 Modules: National flood insurance program, reading and using maps, riverine and coastal high hazard areas, administering flood plain management regulations, NFIP community assistance program, NFIP case studies, and litigation and liability issues.

**AV-V064**

**Concrete Bridge Deck Repair**

International Road Federation

01/01/1988

\* 1/2" VHS, 18 min. Procedures for permanent repair of partial and full-depth bridge deck holes with cement concrete are detailed. Accompanied by a supplemental statement.

**AV-V065**

**Concrete Bridge Protection, Repair and Rehabilitation**

Strategic Highway Research Program

\*1/2" VHS; 5 min. Video describes SHRP research on new techniques that address corrosion, repair, and rehabilitation of concrete bridges.

**AV-V066**

**Concrete Bridge Railings; Modified Thrie Beam Guardrails; Cable Guardrails**

DOT FHWA

1/2" VHS, 13 min., 9 min., 12 min. The video summarizes the crash testing and special features of concrete bridge railings and guardrails. See reports: FHWA-SA-91-049 and FHWA-SA-91-050.

**AV-V067**

**Concrete Pavement Overlays**

Strategic Highway Research Program

06/01/1994

1/2" VHS, 22 min. This video demonstrates the steps in constructing concrete overlays: design, pre-overlay repairs, surface preparation, concrete placement and curing, and joint sawing and sealing. Accompanied by a manual: SHRP-C-412.

**AV-V068**

**Courage to see Clearly: Living More Fully by Living the Truth**

Career Track Publications

01/01/1993

\* 1/2" VHS, 69 min.; 1 audio cassette, 68 minutes; Audio/Video Transcript. This video addresses vision and attitude and how they affect our reactions to

stress and life.

- AV-V069**      **Crack Repair in Asphalt Pavement**  
International Road Federation  
01/01/1988  
\* 1/2" VHS, 12 min., suppl. Repair procedures are shown for linear and alligator cracks from three to twelve millimeters in width.
- AV-V070**      **Crack Sealer, Parts 1 & 2**  
Delaware Dept. of Transportation  
1/2" VHS, 24 min. Crack sealing is a cold weather operation. The video covers equipment operation, applying the sealant, and preventive maintenance.
- AV-V071**      **Crane Operation; Forklift Operation & Preventive Maintenance; Winch, Auger, Bucket Operation;**  
Utah Dept. of Transportation  
01/01/1989  
1/2" VHS, 120 min. Manual: TE223.U82 1989. Remainder of Title: Rotary Mower Operation, Parts 1 & 2, PM. Presents methods and procedures for proper operation and maintenance of cranes, forklifts, and rotary mowers.
- AV-V072**      **CSI Blaster/Painters Coating Demonstration of IC Coating 531 Water Based Inorganic Zink Silicate Coating System**  
CSI Blaster Painters  
\* 1/2" VHS, 17 min. Demonstrates the spray application of a zinc primer followed by an epoxy overcoat, resulting in a durable protective coating.
- AV-V073**      **CT Family of Document Conference Systems**  
Databeam  
\*1/2" VHS, Demonstrates the interactive document conference system made by Databeam. This system allows documents to be viewed and modified by several parties in different locations at the same time.
- AV-V074**      **Dead Right**  
AAA Foundation for Traffic Safety  
01/01/1976  
\* 1/2" VHS, 10 min. This video illustrates pedestrian safety with the story of a pedestrian who may have been legally right but was almost killed in a pedestrian accident.
- AV-V075**      **Demonstration of the Operation of the Schulz Automated Snow Chain System**  
International Trans Resources, Inc.  
09/17/1987  
\* 1/2" VHS, 7 min. A rotating chain system for commercial vehicles and buses. The chains can be engaged from the inside during snow and ice conditions.
- AV-V076**      **Designing for Quality; I-90 I-94 Project Madison, Wisconsin**  
Portland Cement Assn.  
\* 1/2" VHS, 31 min. This tape shows the decision-making and technological considerations in reconstructing a 30-mile stretch of concrete interstate

highway.

- AV-V077**            **Developing Job Site Traffic Control Plans**  
International Road Federation; DOT FHWA  
01/01/1994  
\* 1/2" VHS, 21 min.; booklet included. Shows how to develop an effective traffic control plan. It follows the process from pre-planning, through the actual design and writing, the implementation, evaluation, and even revision.
- AV-V078**            **Devices**  
Traffic Education & Consulting Services  
01/01/1994  
\*1/2" VHS, 18 min. Accompanied by two guides: Understanding technical requirements and applications of traffic control devices.
- AV-V079**            **Distributor: Preventive Maintenance & Operations**  
Northwest T2 Center  
10/01/1985  
1/2" VHS, 36 min. This tape covers the basics of preventive maintenance and operation of a 600-gallon asphalt spreader. The various safety checks before and during operations are identified.
- AV-V080**            **Drainage Pipe Placement**  
Pennsylvania Dept. of Transportation  
1/2" VHS, 15 min. Focuses on the installation procedures for drainage pipe: Planning, Excavating, Placing Pipe, and Backfilling. Also contains information on determining slope.
- AV-V081**            **Driver Daily Maintenance of Light Vehicles**  
International Road Federation  
\* 1/2" VHS, 16 min. This video shows how to perform proper daily preventative maintenance procedures on light vehicles such as pick-ups and station wagons.
- AV-V082**            **Drum Mixer Plant Maintenance**  
Video University Productions  
01/01/1992  
\* 1/2" VHS, 60 min. Video presents cost saving steps for the most efficient operation of a drum mixer plant.
- AV-V083**            **Dump Trucks: Ten Wheel and Six Wheel**  
Delaware Dept. of Transportation  
1/2" VHS, 16 min. Video covers the operation and daily preventive maintenance for the ten-wheel and six-wheel dump trucks.
- AV-V084**            **DuraPatcher**  
Video Images  
\*1/2" VHS, 15 min. Video describes the DuraPatcher system of Duraco Industries that is used for patching potholes using aggregate and asphalt emulsion.
- AV-V085**            **Dust Control 1989**

Dow Chemical Company  
01/01/1989  
\* 1/2" VHS, 16 min. Using Liquidow Calcium Chloride to control dust and reduce maintenance cost.

**AV-V086**                    **Dynapac HR 21 Plex System**  
Dynapac  
\* 1/2" VHS, 5 min. Dynapac has developed the Pavement Life Extender System, HR21 PLEX, which is a single machine with bitumen binder, aggregate, and roller. Dispersment of binder and aggregate is done by one employee using computerized controls. Equipment reduces labor and costs.

**AV-V087**                    **Early Opening of Full-Depth Concrete Repairs**  
Strategic Highway Research Program  
06/01/1994  
1/2" VHS, 10 min. This video reviews fast track operations for full-depth concrete repairs. Planning, scheduling, and evaluating are covered in the video.  
Accompanied by a manual: SHRP-C-412.

**AV-V088**                    **Economic Analysis to Select Repair Strategies: Life Extension**  
Metropolitan Transportation Commission  
03/01/1987  
\* 1/2" VHS. A pavement management training video that addresses economic analysis for selecting repair strategies and also looks at life extension.

**AV-V089**                    **Economic Analysis to Select Repair Strategies: Maintenance and Rehabilitation Strategies, Life Cycle Cost Analysis**  
Metropolitan Transportation Commission  
03/01/1987  
\* 1/2" VHS. A pavement management training video that focuses on maintenance and rehabilitation strategies, and life cycle cost analysis.

**AV-V090**                    **Effective Snow Fences: Benefits of Snow Fences, Key Elements of Snow Fences**  
Strategic Highway Research Program  
\* 1/2" VHS, 21 min. Accompanied by Manual: Snow Fence Guide (SHRP-W-FR-91-106). Snow fences are cost effective, make roads safer, and prevent pavement damage when properly designed and placed. See also SHRP Product Alert 3.

**AV-V091**                    **Emergency Relief**  
DOT FHWA  
03/01/1989  
1/2" VHS, 17 min. This tape covers the emergency relief program for federal-aid highways.

**AV-V092**                    **Engineers: Turning Ideas into Reality**  
National Engineers Week Committee  
\*1/2" VHS, 9 min. Shows what an engineer does and the wide range of opportunities open to an engineer.

- AV-V093**                    **Environmental Protection Issues**  
SNI International Resources, Inc.  
01/01/1993  
\* 1/2" VHS, 15 min. Accompanied by text, "Environmental Protection Procedures." Discusses the environment as it impacts project sites and the required documentation. The documentation is useful for communicating with project personnel and explaining certain procedures.
- AV-V094**                    **Equipment Maintenance Programming and Scheduling**  
Montana State University  
01/01/1983  
1/2" VHS, 46 min. This tape stresses the importance of proper programming and scheduling of maintenance. It shows a system for maintaining an inventory of parts with examples. Emphasis is on good bookkeeping and proper paperwork by operators, mechanics, and others.
- AV-V095**                    **Equipment Management System**  
DOT FHWA  
11/01/1985  
1/2" VHS, 40 min. This tape presents material to assist managers in developing and implementing management techniques.
- AV-V096**                    **Equipment Operation & Maintenance; Loader Operation parts 1, 2, & PM-A & B; Motor Grader Operation parts 1, 2, 3, & PM-A**  
Utah Dept. of Transportation  
01/01/1989  
1/2" VHS, 120 min. Manual: TE223.U82 1989 The tape presents methods and procedures for proper operation and maintenance of equipment. It also presents specific methods and procedures for operating and maintaining the motor grader and loader.
- AV-V097**                    **Everyone Pays for Potholes**  
Cornell University  
01/01/1986  
1/2" VHS, 27 min. Bad roads increase vehicle operating costs and cause one-fifth of the accidents on our nation's highways. Tape calls attention to the problems of road deterioration and motivates the audience to apply solutions.
- AV-V098**                    **Examples of Transportation Technology Transfer Center Video Tapes**  
1/2" VHS, 23 min. A collection of videos produced by T2 Centers. Covers: work zones, potholes, equipment, mailboxes, and safety.
- AV-V099**                    **Extending the Bituminous Pavement Construction Season**  
DOT FHWA  
1/2" VHS, 17 min. Air and asphalt conditions were monitored during bituminous pavement construction in cold weather. It is possible to extend the pavement construction season.
- AV-V100**                    **FHWA Test Road: Construction of an Instrumented Test Pavement**  
DOT FHWA  
12/29/1989

1/2" VHS, 12 min. A section of road was instrumented for testing pavement performance. Factors to be tested were equivalency factors, dynamic effects, and verification of layer theory.

- AV-V101**      **Figg Engineering Group**  
Figg Engineering Group  
01/01/1992  
\* 1/2" VHS, 15 min. A Corporate video advertisement of a bridge engineering firm that shows different bridge designs used.
- AV-V102**      **Finding Better Ways: New Research into Cost-Effective Pavement Repairs**  
Roy Jorgensen Associates, Inc.  
01/01/1992  
\* 1/2" VHS, 19 min. SHRP reports on research conducted on the best materials and procedures for the four repair categories: pothole repair, spall repair, crack sealing, and joint filling and sealing. Also described is SHRP's long term pavement performance (LTPP) project.
- AV-V103**      **First on the Scene**  
AAA Foundation for Traffic Safety  
\* 1/2" VHS, 21 min. This videotape shows a mock accident and how a first responder should handle the situation to reduce injury to people.
- AV-V104**      **Fit for the Road: Evaluating the Health of Commercial Truck Drivers**  
Idaho Dept. of Law Enforcement  
\* 1/2" VHS, 20 min. Video has information for examining physicians, informing them of the physical and emotional demands placed on commercial motor vehicle drivers.
- AV-V105**      **Flagger, The**  
Washington State Dept. of Transportation  
1/2" VHS, 43 min. Defines the importance of proper flagging techniques for roadway traffic.
- AV-V106**      **Flagging**  
Traffic Education & Consulting Services  
01/01/1994  
\* 1/2" VHS, 14 min. Accompanied by two Guides: Proper flagging procedures in various types of traffic situations.
- AV-V107**      **Flagging and the Flagger**  
Pennsylvania Dept. of Transportation  
12/30/1987  
1/2" VHS, 19 min. This video covers double and single flagger operations, intersection traffic control, and emergency flagging.
- AV-V108**      **Flagging Operations and Procedures**  
South Carolina Dept. of Highways & Public Transportation  
01/01/1993  
\* 1/2" VHS, 23 min. Provides proper flagging procedures for six different work

zone situations. Also covers supervisor's responsibilities.

- AV-V109**      **Flagging Procedures and Operations; Flagging: Monitoring, Maintenance, and Record Keeping**  
Minnesota Dept. of Transportation  
1/2" VHS, 14 min, 16 min. The video covers flagging equipment, flagging station, flagging procedures and operations, and safety.
- AV-V110**      **Flagging: Work Zone Traffic Control**  
Pennsylvania Dept. of Transportation  
01/01/1982  
1/2" VHS, 15 min. The four main duties of the flagger is to protect lives, guide traffic, ease traffic flow, and provide information to motorists. The video covers the proper clothing, equipment and flagging operations of the flagger.
- AV-V111**      **Flagman, The**  
DOT FHWA; Utah Dept. of Highways  
1/2" VHS, 35 min. Reviews the procedures for flagging and the use of traffic control signs and equipment in work zones.
- AV-V112**      **Flagman: Temporary Traffic Signal**  
09/12/1986  
1/2" VHS, 38 min. Demonstration of a portable traffic signal used for controlling traffic in work zones. (Very little commentary.)
- AV-V113**      **Flagperson Certification**  
Virginia Dept. of Transportation  
01/01/1996  
\* 1/2" VHS, 13 min. Accompanied by an ATSSA Flagging Handbook, a test, and flagging guidelines. The video covers the basic flagging procedures and is used to certify Virginia flaggers.
- AV-V114**      **For Safety's Sake**  
Texas A & M University  
01/01/1985  
\* 1/2" VHS, 9 min. Shows the V-Lock post support system for signs and mailboxes.
- AV-V115**      **Freeze-Thaw Testing**  
Strategic Highway Research Program  
06/01/1994  
1/2" VHS, 25 min. Freezing and thawing is one cause of concrete deterioration. This video covers the causes and prevention of freeze/thaw and conventional and new tests.  
Accompanied by a manual: SHRP-C-413.
- AV-V116**      **From: Theory, To: Traffic. Modern Timber Bridges**  
Constructed Facilities Center  
02/18/1992  
\*1/2" VHS, 28 min. The Pennsylvania DOT used glue laminated hardwood for a bridge demonstration project. The video covers the design, research,

selection, fabrication, construction, and evaluation of the project.

- AV-V117**                    **Full-Depth Repair of Jointed Concrete Pavement**  
Strategic Highway Research Program  
06/01/1994  
1/2" VHS, 18 min. This video covers the following topics: distresses requiring full depth repair, field survey, transverse joint design, materials, and repair processes.  
Accompanied by a manual: SHRP-C-412.
- AV-V118**                    **Functional Requirements of Highway Safety Features**  
DOT FHWA  
01/01/1990  
5 Videos, 1/2" VHS. I. Introduction, & Clear Zone Concept 30:00; Standard Barriers 45:52. II. End Treatments 43:28; Pavements & Shoulders 32:59. III. Drainage Structures 34:30; Breakaway Supports 33:35; Crash Cushions 37:25. IV. Roadside Cross Section 24:47; Signs, Marking & Delineation 43:00; Traffic Control Devices 24:24. V. Informational Video 24:25.
- AV-V119**                    **Gift of Value: Techniques for Reducing Construction and Maintenance Costs**  
Pennsylvania T2 Center  
1/2" VHS, 10 min. A videotape of a slide/tape presentation discussing value engineering.
- AV-V120**                    **GIS: Government's Information Solution**  
Urban and Regional Information Systems Assn.  
01/01/1990  
\* 1/2" VHS, 17 min. 10 Brochures. Focuses on the benefits and applications of Geographic Information Systems. Intended for elected officials and high level managers in local government.
- AV-V121**                    **Good Driving Is an Attitude**  
Safety Shorts Production Inc.  
01/01/1990  
\* 1/2" VHS, 5 min. Attitude can affect driving behavior. This video demonstrates the importance of driving responsibly and safely.
- AV-V122**                    **Gradall**  
Delaware Dept. of Transportation  
1/2" VHS, 25 min. A truck mounted excavator. The video covers general information, start up checks, basic operation, and shutdown.
- AV-V123**                    **Guardrail Installation and Repair**  
Alaska Technology Transfer Program; Northwest T2 Center  
01/01/1989  
1/2" VHS, 20 min.; 1 pamphlet. It points out the evolution of guardrail standards, the elements of guardrail standards, and the elements of a typical W-beam guardrail and its proper installation. It also covers guardrail ends and guardrail repair.

- AV-V124**                    **Guidelines for Spring Highway Use Restrictions**  
Washington State Dept. of Transportation; DOT FHWA  
01/01/1987  
1/2" VHS, 26 min. Text Supplement: FHWA-TS-87-209. Frost heaves and pavement weakening can occur when water gets in the pavement structures in the spring. The video addresses guidelines for restricting loads, which is a more economical solution.
- AV-V125**                    **Guidestar**  
Minnesota Dept. of Transportation  
\*1/2" VHS, 9 min. Guidestar is Minnesota's Comprehensive IVHS program. Initially the program has focused on traffic management, traveler information systems, and public transportation systems.
- AV-V126**                    **Hardwood Anyone?**  
Pennsylvania Dept. of Transportation  
12/16/1988  
1/2" VHS, 10 min. This tape emphasizes the advantages of hardwood as a building material for local bridges.
- AV-V127**                    **Hazards of Hurry**  
Caterpillar Company, Inc.  
01/01/1989  
\* 1/2" VHS, 21 min. This videotape emphasizes backhoe loader safety tips for operators. Typical backhoe accidents caused by human tendency to "hurry up" are shown. It also discusses preventive maintenance & safe operating procedures for operators.
- AV-V128**                    **HCM for Locals**  
Delaware Dept. of Transportation  
01/01/1989  
1/2" VHS, 15 min. This video provides a beginner's overview of the new highway capacity manual. It provides definitions; several simple levels of service calculations; and discusses the principles of capacity. A good introductory level video for engineering technicians and entry level planners.
- AV-V129**                    **Heavy Vehicle Management: The Evolution of Technologies and Applications**  
Motor Carrier Services Subcommittee  
\*1/2" VHS, 13 min. The video presents the issues and trade offs of heavy vehicle management programs. It looks specifically at the HELP system. HELP = Heavy Vehicle Electronic License Plate.
- AV-V130**                    **Help 1-2; Time; Heavy Vehicle Management; SCATS-Sydney; SCATS Melbourne; Signalen Boven Deweg; Hanshin Expressway**  
12/01/1989  
1/2" VHS; 9 Programs. Information about innovations in the vehicle identification and control fields.
- AV-V131**                    **Here's How A Hot Mix Plant Works**  
Video University Productions

01/01/1992

\* 1/2" VHS, 55 min. This video begins with cold feed and is followed by the batch and drum mix plant process, the exhaust system, and ends with load out.

**AV-V132**

**Here's How Roads Are Built**

Video University Productions

01/01/1993

\* 1/2" VHS, 14 min. A video for children that shows the steps, materials, and equipment used in road building.

**AV-V133**

**Highway Capacity: Level of Service and Characteristics of Traffic Flow for Local Government Officials**

Deleware Dept. of Transportation

01/01/1989

1/2" VHS, 15 min. Presents concepts and definitions of traffic flow and operations for all types of highways and intersections.

**AV-V134**

**Highway Maintenance Overview, Traffic Control Work Areas, The Flagger, Traffic Control in Moving Operations,**

Utah Dept. of Transportation

01/01/1989

1/2" VHS; Manual: TE223.U82 1989; Remainder of Title: Traffic Control in Maintenance Work Areas. This tape presents an overview of highway maintenance and includes procedures for traffic control in maintenance and construction work areas.

**AV-V135**

**Highway Needs**

1/2" VHS, 8 min. The video presents the problems and needs of the federal highway system. Because of a decrease in spending on the highways and an increase in inflation and usage, the highways and bridges are failing.

**AV-V136**

**Highway Safety Program. Highway Safety: the Silent Factor**

DOT FHWA

03/01/1987

1/2" VHS, 44 min. I. The first part highlights advances in highway safety engineering. (30 min.). II. The Infomercials cover: breakaway devices, railroad-highway crossings, acceleration lanes, pavement markings, crash cushions, pedestrian signals, new symbol signs, and highway barriers. (14 min.).

**AV-V137**

**Highway Statistics Course**

DOT FHWA

10/01/1984

1/2" VHS, 45 min. Presents information on the wide variety of uses made of highway statistics data, and the trends in the highway program and the effect of these trends on the data needs of the future.

**AV-V138**

**Hot In-Place Recycling: New Technology for Old Roads**

Pyrotech Asphalt Equipment Manufacturing Co. Ltd.

01/01/1992

\*1/2" VHS, 10 min. Presents information on a relatively new process for hot in-place recycling. Accompanied by literature: Hot In-Place Asphalt Recycling.

- AV-V139**                    **Hot Mix Asphalt Construction Promotional Video Joint AASHTO, FHWA, Industry Training Committee on Asphalt**  
National Asphalt Pavement Assn.  
01/01/1993  
\* 1/2" VHS, 11 min. Describes a training program on hot mix asphalt construction.
- AV-V140**                    **How to Avoid Being Sued and Have a Better Chance of Winning If You Are**  
University of Kentucky  
06/11/1986  
1/2" VHS. A televideo seminar on risk management and tort liability. Presents practical and legal steps to follow if sued. 6 parts.
- AV-V141; AV-C007**                    **How To Be an Effective Expert Witness**  
University of Kentucky  
01/01/1985  
1/2" VHS, 3 cassettes. A televideo course on being an expert witness.
- AV-V142**                    **How to Get More Out of Your Motor Grader**  
John Deere Training Center  
\* 1/2" VHS, 25 min. Provides detailed field demonstrations, with narration on the use of the motorgrader to build and maintain gravel roads, ditches, and slopes.
- AV-V143**                    **How to Move America**  
Assn. of American Railroads  
\*1/2" VHS, 10 min. An overview of railroads and how they can help solve our nation's transportation problems.
- AV-V144**                    **How To Prevent Segregation**  
Video University Productions  
01/01/1992  
\*1/2" VHS, 26 min. Illustrates how segregation occurs and how to prevent it, everywhere in the plant and during laydown operations.
- AV-V145**                    **How We Pay for America's Roads**  
NAPA Education Foundation Inc.  
01/01/1990  
\* 1/2" VHS, 12 min. Brochures & Program Guide. Oversize. The program teaches participants how roads are financed at all government levels and presents the current condition of roads and its impact. Intended for high school or college students.
- AV-V146**                    **Hydrated Lime: Key to Improved Asphalt Pavements**  
National Lime Assn.  
1/2" VHS, 21 min. Discusses the use and benefits of hydrated lime in asphalt pavements. The process for adding lime to the aggregate is presented.
- AV-V147**                    **Hydraulic Truck Conveyer**  
H.T.C. Manufacturing

\* 1/2" VHS; 9 min. Accompanied by product brochures. Demonstrates a dump truck attachment that allows side distribution of loads through a conveyor belt.

- AV-V148**                    **Hydraway Drain Project SH31 District 10 Tyler, Texas**  
Texas State Highway and Transportation Dept.  
07/17/1986  
1/2" VHS, 15 min. Because of water collecting under the base of the road, Monsanto's Hydraway was installed on Texas SH31. Hydraway absorbs water and drains it away. The video demonstrates the installation procedures.
- AV-V149**                    **I-80 Reconstruction Nebraska 1984**  
Portland Cement Assn.  
01/01/1985  
\* 1/2" VHS, 18 min. Describes a reconstruction project in which mesh-dowel pavement was replaced with plain concrete pavement with tied concrete shoulders. The project also included diamond grinding for smoothness and establishing new transverse joints.
- AV-V150**                    **I-90 Reconstruction in South Dakota and Minnesota 1986**  
Portland Cement Assn.  
11/01/1986  
\* 1/2" VHS, 15 min. Two reconstruction projects using concrete. In SD, existing asphalt pavement was replaced with new concrete. In MN an unbonded concrete overlay was placed over existing continuously reinforced concrete pavement.
- AV-V151**                    **Idea Store 1**  
Pennsylvania Dept. of Transportation  
01/01/1989  
1/2" VHS, 8 min. Contents: Level for Checking Road Crown, 'No Hands' Hand Level, Storage Rack for Snow Plow Blade, Identifying Highway Signs.
- AV-V152**                    **Idea Store 2**  
Pennsylvania Dept. of Transportation  
05/01/1989  
1/2" VHS, 13 min. Contents: Easy Blade Changing for a Motor Grader, Tips on Work Zone Traffic Control, Evaluation of Aggregate Loss, Winter Service and Junk Day Brochures, Better Beaver Baffler
- AV-V153**                    **Idea Store 3**  
Pennsylvania Dept. of Transportation  
11/24/1989  
1/2" VHS, 10 min. Subjects covered are 2 different types of lifters for changing plow blades; the proper way to remove and store locking pin on the articulated loader from within the cab; a pamphlet on daily maintenance of motorgraders; a yard cleaner for removing metal; the use of precast wall units to eliminate stream erosion; and patching using a box mounted on the front of a motor grader.
- AV-V154**                    **Idea Store 4**  
Pennsylvania Dept. of Transportation

06/06/1990

1/2" VHS, 10 min. Subjects covered are water runoff on rural roads; slush and ice build-up on snow removal equipment; road resurfacing; minimizing aggregate loss; use of discarded tires; and portable road closed sign display.

**AV-V155**

**Idea Store 5**

Pennsylvania Dept. of Transportation

03/26/1991

1/2" VHS, 11 min. Innovative ideas that include the importance of the hard hat, proper tire inflation, the importance of communication between the highway dept. and the public, an "adopt-a-sign" program. Audience: Selectmen, public works personnel, road commissioners.

**AV-V156**

**Idea Store 6**

Pennsylvania Dept. of Transportation

09/01/1991

1/2" VHS, 17 min. Roadside wildflowers, effective signs, PA-DOT's Road Scholar Program, safety promotion, etc..

**AV-V157**

**Idea Store 7**

Pennsylvania Dept. of Highways

08/01/1992

1/2" VHS, 10 min. Covers innovations in the following areas: Curb Scraper, Dump Truck Air Foil, Timber Bridge Info., Delaway/Chester P.W.A. and thier Ideas, and Better Cylinder Wrench.

**AV-V158**

**Idea Store 8**

Pennsylvania Dept. of Transportation

08/01/1993

\*1/2" VHS, 10 min. This video covers medical alert information placed inside hard hats; winter driving safety program; a snow plow wing cart; and a flashing light when fuel truck is in the garage so no welding will occur.

**AV-V159**

**Infrastructure**

U.S. Chamber of Commerce

01/01/1989

\*1/2" VHS, 9 min. The infrastructure in the U.S. is in a crisis situation. The video highlights the needs, costs, and problems of the infrastructure, particularly transportation.

**AV-V160**

**Installation, Inspection, and Maintenance of Worksite Traffic Control Devices**

International Road Federation; DOT FHWA

01/01/1994

\* 1/2" VHS, 24 min. Booklet included. Covers the installation, inspection, and maintenance of traffic control devices at a basic worksite based on a traffic control plan.

**AV-V161**

**International Public Works: Congress and Equipment Show 1990 St. Louis, Missouri. Sept. 1990**

International Public Works Assn.; American Public Works Assn

09/01/1990

\* 1/2" VHS, 8 min. A promotional video on the upcoming 1990 conference. Highlights the conference program: tours, presentations topics, and exhibits.

**AV-V162**

**International Traffic Systems**

International Traffic Systems

\* 1/2" VHS, 27 min, 15 min. Describes the operation, use, and features of portable traffic signals developed by International Traffic Systems. A demonstration follows the main description.

**AV-V163**

**Intersection Work**

Traffic Education & Consulting Services

01/01/1994

\*1/2" VHS, 12 min. Accompanied by two guides: Procedures to increase safety at narrow types of intersection work zones.

**AV-V164**

**Introduction to Asphalt Materials**

St. Michael's College, VT Transportation Information Exchange

09/01/1983

1/2" VHS, 26 min. This tape explains the basic types of asphalt, ways to liquify asphalts, the various types of asphalt emulsions and why they are used, and where asphalts come from.

**AV-V165**

**Introduction to Bridge Inspection**

Oregon Dept. of Transportation; DOT FHWA

01/01/1985

1/2" VHS, 3/4" VHS, 25 min. The introductory part explains the 1978 Surface Transportation Assistance Act in regard to mandatory inspection of all bridges in a two-year cycle. The inspection forms are explained and the two-rating cycle is defined. Safety is also emphasized.

**AV-V166**

**Introduction to Low Speed Traffic Control**

Traffic Education & Consulting Services

01/01/1994

\*1/2" VHS, 12 min. Accompanied by two guides: Fundamentals of low speed traffic control including visibility, advanced warning, and control.

**AV-V167**

**Introduction to the Rehabilitation of Highway Concrete**

Strategic Highway Research Program

06/01/1994

1/2" VHS, 10 min. This video provides an overview of rehabilitation techniques for concrete pavements and bridge decks. New concrete mixes that dry quickly are also described.

Accompanied by a manual: SHRP-C-412.

**AV-V168**

**IVHS Technologies for Transportation**

DOT FHWA

06/01/1992

1/2" VHS, 14 Min. A general overview of Intelligent Vehicle Highway Systems (IVHS). It describes IVHS, the five program areas, and several ongoing operational tests.

- AV-V169**      **IVHS: A Smart Choice**  
 DOT FHWA  
 05/01/1990  
 1/2" VHS, 13 min. The video discusses the 4 major elements of IVHS: Advanced traffic management systems, advanced driver information systems, commercial vehicle operation, and advanced vehicle control systems.
- AV-V170**      **Lexington Lifestyle 1985**  
 Greater Lexington Chamber of Commerce  
 01/01/1985  
 \*1/2" VHS, 11 min. A promotional video on the attractions, services, and industries of Lexington.
- AV-V171**      **Lime: The Versatile Stabilizer in Construction**  
 National Lime Assn.  
 04/01/1988  
 \* 1/2" VHS, 26 min. This tape describes the various applications of lime as a stabilizing agent in roadway construction. The primary emphasis is given to a discussion and illustration of lime in stabilizing plastic clay soils for road subgrade preparation.
- AV-V172**      **Load and Resistance Factor for Highway Bridge Design**  
 DOT FHWA, National Highway Institute  
 03/01/1995  
 10 tapes, 1/2" VHS. A 5-day course developed in support of AASHTO's adoption of the specification for Load and Resistance Factor Design (LRFD) for highway bridges. Topics covered: (1) Introduction of the new LRFD Bridge Design Code. (2) Loads, load factors, load combinations, and methods of structural analysis. (3) Concrete structures. (4) Steel structures. (5) Abutments, piers, and walls. Designed for structural design engineers and administrators responsible for highway bridge design.
- AV-V173**      **Loader**  
 Delaware Dept. of Transportation  
 1/2" VHS, 31 min. 3 parts cover daily checks and operations: Startup, shutdown, basic maneuvering, stockpiling, and loading trucks.
- AV-V174**      **Loader Operation - Parts I and II**  
 Northwest T2 Center  
 10/01/1985  
 2, 1/2" VHS, 35 min. These videos cover the essentials for developing basic skills in loader operation.
- AV-V175**      **Loader-Backhoe Safety: Operator Safety**  
 Talus Resources  
 01/01/1991  
 1/2" VHS, 20 min. The video illustrates loader-backhoe safety for operators. The tape covers common mistakes and accidents with these machines, as well as loading, transporting, utility danger and rollover accidents.
- AV-V176**      **Loader-Backhoe Safety: Worker Safety**

Talus Resources  
01/01/1993  
1/2" VHS, 20 min. Provides a set of guidelines for the safe operation of the loader-backhoe for the many trades that use the equipment daily.

- AV-V177**      **Low Speed Lane Closures**  
Traffic Education & Consulting Services  
01/01/1994  
\*1/2" VHS, 15 min. Accompanied by two Guides: Standard and alternative approaches to low speed lane closures including closure in limited areas.
- AV-V178**      **Low Temperature Engine Oil Testing**  
ESSO Petroleum Canada Ltd.  
\* 1/2" VHS, 11 min. Tests different grades of oil under cold temperatures.
- AV-V179**      **LP Gas, Know the Facts**  
DOT FHWA  
01/29/1990  
1/2" VHS, 11 min. Focuses on the proper handling and use of liquified petroleum gas: leak detection, proper storage, filling and inspection.
- AV-V180**      **Mailboxes May Be Hazardous to Your Health**  
DOT FHWA; Texas State Dept. of Highways & Public Transport.  
03/01/1989  
1/2" VHS, 14 min. Suppl. This tape presents testing results on the location and type of support for mailboxes along highways to minimize damage and injury.
- AV-V181**      **Maintaining Asphalt Roads: Blade Patching**  
New Mexico State Highway and Transportation Dept.  
01/25/1993  
1/2" VHS, 12 min. The use of motorgraders in patching asphalt pavements is covered.
- AV-V182**      **Maintaining Gravel Roads in Arkansas**  
Arkansas Center for Technology Transfer  
1/2" VHS, 29 min. Intended for road foremen and grader operators. It covers motor grader operation, drainage requirements, crown and super-elevated compaction, and other aspects pertaining to maintaining gravel roads.
- AV-V183**      **Maintenance Management System**  
DOT FHWA  
11/01/1985  
1/2" VHS, 35 min. Accompanied by Instructor's Guide: FHWA-RT-88-034. How to develop, implement, evaluate, administer, insure quality control, and update a highway/street and right-of-way management system.
- AV-V184**      **Maintenance Supervisor's Responsibilities; Patch PCC with PCC, Patch PCC with Bituminous Materials;**  
Utah Dept. of Transportation  
01/01/1989  
1/2" VHS, Manual: TE223.U82 1989; Remainder of Title: PCC Crack and Joint

Sealing. This tape presents methods and procedures for the maintenance of Portland cement concrete pavements.

- AV-V185**      **Manager as Coach: A New Concept in Management Training**  
Career Track Publications  
01/01/1993  
\* 1/2" VHS, 1 hr., 22 min.; 1 hr., 10 min.; 1 hr., 7 min. Accompanied by a workbook. 3 volumes. Vol.1 -- Describes six coaching steps that will maximize your management impact. Vol.2 -- Describes the skills used to build teams. Vol.3 -- Describes ways of motivating and disciplining your people.
- AV-V186**      **Managing Risks in a Risk Taking Society Part 1 and 2**  
University of Kentucky  
11/06/1986  
2 tapes: 1/2" VHS, 3/4" Beta, 74 min. Seminar on risk management.
- AV-V187**      **Marafi Filter Fabric; Better Roads With Petromat**  
Fiber Industries, Inc.; Phillips 66.  
01/01/1985  
\* 1/2" VHS, 2 parts. 16 min. Explains how geotextiles work and demonstrates their use.
- AV-V188**      **Markings and Islands**  
International Road Federation; DOT FHWA  
01/01/1994  
\* 1/2" VHS, 19min. Includes booklet. The information in this program is based on the M.U.T.C.D. This video covers the design and application of markings and islands.
- AV-V189**      **Master Plan for Safe Trucks and Buses**  
DOT FHWA  
01/01/1991  
1/2" VHS Video, 11 min. The video highlights the safety programs of FHWA for trucks and buses. Programs include driver's safety, vehicle safety, carrier safety, enforcement, and national information networks. Accompanied by Brochure (REF-Brochures).
- AV-V190**      **Materials Sampling and Testing**  
Northwest T2 Center  
10/01/1985  
1/2" VHS. 55 min. Explains in detail the equipment needed and the process for the following tests: AASHTO T-99; Moisture Density, 5.5 lb. Rammer, and AASHTO T27; Fine/Coarse Aggregate Sieve Analysis.
- AV-V191**      **Mechanical Cleaning of Unlined Ditches**  
International Road Federation  
\* 1/2" VHS, 19 min. Mechanical cleaning procedures with a motorgrader and with an excavator are presented. The video reviews ditch structures and function as well as selection of equipment and proper work steps.
- AV-V192**      **Minnesota I-90 Recycling**

Portland Cement Assn.

\* 1/2" VHS, 16 min. A portion of I-90 in Minnesota was reconstructed by recycling the concrete pavement. It was repaved using 50% recycled coarse aggregate and 50% virgin sand.

- AV-V193**      **MN/DOT On the Move: Recycling "D" Cracked Concrete Pavement Trunk Highway 59- Minnesota**  
Portland Cement Assn.  
11/01/1984  
\* 1/2" VHS, 13 min. D-cracked concrete pavement was recycled on a Minnesota highway. Part of the recycled material was used for base stabilization and shoulder aggregate, while other was used for the pavement. Video gives the reasons for consideration of concrete recycling.
- AV-V194**      **Mobility: The Fifth Freedom**  
Highway Users Federation for Safety and Mobility  
\*1/2" VHS, 14 min. The need for a national highway program is explained and illustrated.
- AV-V195**      **Modern Timber Bridges: A New Return for Old New England**  
Rhode Island Resource Conservation and Dev. Area, Inc.  
\*1/2" VHS, 15 min. Foster, Rhode Island, bridge replacement project shows how timber bridges are built. Local resources and local skill can be used to build timber bridges, which are not affected by moisture or road salts.
- AV-V196**      **Motor Grader Operation - Parts 1,2,3**  
Delaware Dept. of Transportation; Washington Dept. of Trans.  
10/01/1985  
3 videos, 1/2" VHS, 17, 16, 21 min. These tapes are designed to teach motorgrader operation to new employees with no grader experience. Emphasis is placed in daily preventative maintenance, starting up and shutting down the engine, blade positions, basic maneuvering, and operating techniques.
- AV-V197**      **Motor Graders**  
Nebraska Dept. of Roads  
1/2" VHS, Covers all aspects of operating a motor grader, including start up, shutdown, blade positions, maneuvering, and operating techniques.
- AV-V198**      **Moving and Mobile Operations**  
Traffic Education & Consulting Services  
01/01/1994  
\*1/2" VHS, 9 min. Accompanied by two Guides: Protecting workers in operations that move quickly.
- AV-V199**      **Moving Transportation into the Information Age**  
DOT; Intelligent Transportation Society of America  
01/01/1994  
\*1/2" VHS, 12 min. This video explains how Intelligent Transportation Systems can move people and goods; quicker, safer, and cleaner.

- AV-V200**            **Mowers, Parts I & II**  
Nebraska Dept. of Transportation  
1/2" VHS, 15 & 20 min. These tapes cover the daily maintenance and operation of industrial tractors and rotary mowers.
- AV-V201**            **Multiple Choice**  
Caterpillar Company, Inc.  
\* 1/2" VHS, 24 min. This videotape deals with safety and heavy equipment operation. Six accident scenarios are evaluated.
- AV-V202**            **Municipal Compost Technique**  
Video University Productions  
01/01/1993  
\* 1/2" VHS, 47 min. Shows how an Arizona community composts fifteen tons of sewage sludge and solid waste daily. Appropriate for professionals and community groups.
- AV-V203**            **Mustang Grease and Sludge Jetters**  
Mustang Units Company  
01/01/1989  
\* 1/2" VHS, 13 min. Includes printed information. OVERSIZE. Demonstrates Mustang Units jetters which removes blockages and cleans drain pipes.
- AV-V204**            **National Transportation Policy: Moving America into the 21st Century**  
DOT  
03/01/1990  
1/2" VHS, 11 min. The new national transportation policy is explained. The policy is a strategy to deal with America's transportation needs into the 21st century.
- AV-V205**            **Network Definition**  
Metropolitan Transportation Commission  
10/01/1986  
\* 1/2" VHS, 73 min. A pavement management course in which this part defines the road network and gives the procedures for establishing the network.
- AV-V206**            **New Directions in Sign Management**  
American Traffic Safety Services Administration  
\* 1/2" VHS, 17 min. A general discussion of the importance of a good sign management program of inventory, evaluation, and scheduled replacement.
- AV-V207**            **New Highway Barrier**  
International Barrier Corp.  
09/01/1988  
\* 1/2" VHS, 25 min. Demonstrates the components, assembly, and performance of a barrier system that is filled with sand. It is easily assembled, safe, and can be permanent or temporary.
- AV-V208**            **New Mexico State Highway Dept. Training Academy**  
New Mexico T2 Center  
1/2" VHS, 12 min. Information is provided about the NMSHD learning center

that provides instruction on a variety of heavy equipment. Classes emphasize safety, preventive maintenance, and basic operation.

- AV-V209**      **New Work Zone Safety Devices**  
Strategic Highway Research Program; Roy Jorgensen Associates  
01/01/1992  
1/2" VHS, 17 min. SHRP developed, tested, and implemented a variety of work zone traffic control devices. Video covers warning devices, portable speed bumps, delineation devices, lighting devices, signs, flagging, and barrier devices.
- AV-V210**      **Nighttime Traffic Control**  
American Traffic Safety Services Assn.  
\* 1/2" VHS, 18 min. This tape highlights dangers inherent in traffic through nighttime work zones.
- AV-V211**      **No Nonsense CDL: A Drivers Guide to the CDL Exam**  
CDL Systems Inc.  
01/01/1989  
\* 1/2" VHS, 3 parts. A training video for the Commercial Driver's License
- AV-V212**      **Not a Toy: Dump Truck Preventive Maintenance: Daily Inspection**  
Texas State Dept. of Highways and Public Transportation  
01/01/1988  
1/2" VHS, 12 min. Explains the preventive maintenance procedures for a dump truck. A check list is provided with corrective measures if defects are found.
- AV-V213**      **Off-Tracking**  
California Dept. of Transportation  
10/01/1986  
1/2" VHS, 12 min. Demonstrates how different truck combinations off-track when turning.
- AV-V214**      **Oil in Your Engine**  
Balfour Film  
\* 1/2" VHS, 17 min. Describes the desired qualities and characteristics of engine oil for the best performance. Also describes the uses of additives.
- AV-V215**      **Olympic Video**  
Georgia Technical University  
07/24/1991  
\*1/2" VHS Video, 11 min. Atlanta, Georgia's electronic invitation to host the 1996 Olympics. Uses a variety of audio-visual technologies. Revised 03/01/91.
- AV-V216**      **On the Road to a Safer Tomorrow RTAP National Teleconference  
November 15, 1989**  
DOT FHWA Rural Technical Assistance Program  
11/15/1989  
1/2" VHS, 3.5 hours. An RTAP national teleconference on tort liability, planning a safety program, work zone traffic control, and commercial drivers

license.

- AV-V217**      **Open Roads: a Look at Freeway Incident Management**  
DOT FHWA  
03/01/1991  
1/2" VHS, 19 min. A non-technical presentation of the current state-of-the-art practice of freeway incident management. The video depicts the severity of the incident problem and offers solutions. Intended for top-level management, elected officials, and citizen groups.
- AV-V218**      **Operator Daily Maintenance of Asphalt Distributors**  
International Road Federation  
\* 1/2" VHS, 15 min. This video covers the daily preventive maintenance requirements and procedures for asphalt distributors.
- AV-V219**      **Operator Daily Maintenance of Crawler Tractors**  
International Road Federation  
\* 1/2" VHS, 19 min. All necessary daily preventive maintenance activities from the start to the end of the operating day are demonstrated.
- AV-V220**      **Operator Daily Maintenance of Dump Trucks**  
International Road Federation  
\* 1/2" VHS, 18 min. Demonstrates step-by-step daily maintenance procedures for dump trucks, from pre-start to shut-down.
- AV-V221**      **Operator Daily Maintenance of Front-End Loaders**  
International Road Federation  
\* 1/2" VHS, 18 min. The video demonstrates how to correctly carry out four groups of daily maintenance on the front end loader.
- AV-V222**      **Operator Daily Maintenance of Motorgraders**  
International Road Federation  
\* 1/2" VHS, 20 min. This video shows all the proper daily maintenance procedures for motorgraders. Covers the pre-start check, warm-up check, daily operating check, and the shut-down check.
- AV-V223**      **Operator Daily Maintenance of Rollers**  
International Road Federation  
\* 1/2" VHS, 20 min. The procedures covered include the pre-start check, warm-up check, daily operations check, and shut-down activities for rollers (steel wheel, pneumatic tire, and vibratory).
- AV-V224**      **Paradigm Pioneers**  
Chart House International Learning Corporation  
01/01/1992  
\*1/2" VHS, 30 min. LOAN TO KTC STAFF ONLY. Paradigm pioneers anticipate change and innovation. They drive the new paradigm into acceptance. Paradigm pioneers have three characteristics: they know when a new concept has great potential, they have the courage to act on it, and they commit time and perseverance to the concept. To thrive in the 21st century, we must be paradigm pioneers.

- AV-V225**            **Parking Lane/Shoulder Work**  
Traffic Education & Consulting Services  
01/01/1994  
\*1/2" VHS, 12 min. Accompanied by two Guides: Safety practices and procedures for parking lane and shoulder work zone.
- AV-V226**            **Partial-Depth Repair of Concrete Pavement**  
Strategic Highway Research Program  
06/01/1994  
1/2" VHS, 15 min. Partial-depth repair is used for distresses in the upper third of the pavement. Distresses include spalls at joints and at mid-slab. Materials and the repair processes are covered in the video.  
Accompanied by a manual: SHRP-C-412.
- AV-V227**            **Partners for Safety: An Introduction to the Safety Management System**  
DOT FHWA; DOT NHTSA; Video Editing Services, Inc.  
1/2" VHS, 8 min. The interaction of drivers, vehicles, and roads often results in accidents and fatalities. To make highways safer requires a safety management program and teamwork by engineering, education, enforcement, and emergency response.
- AV-V228**            **Partners In Safety**  
Northwest T2 Center  
1/2" VHS, 12 min. This video emphasizes the cooperation needed between motorists and highway workers for everyone's safety. It covers the procedures, signs and equipment for traffic control in work zones.
- AV-V229**            **Passion for Customers**  
Video Publishing House Inc.  
01/01/1987  
\* 1/2" VHS, 67 min. Loan to KTC Staff only. A video about providing quality service to customers. Case studies/examples are shown. Accompanied by a Viewer's Guide.
- AV-V230**            **Patching Unpaved Roads**  
International Road Federation  
01/01/1988  
\* 1/2" VHS, 11 min., suppl. The manual method is described for repairing surface defects such as potholes, ruts, and soft spots on unpaved roads. A quick test for moisture is also described.
- AV-V231**            **Patching with Hand Tools; Maintain Non-Hard Surfaces; Permanent Pothole Patching; Bituminous Surface Replacement;**  
Utah Dept. of Transportation  
01/01/1989  
1/2" VHS, Manual: TE223.U82 1989; Remainder of Title: Temporary Pothole Patching; Lane Leveling Bituminous Surfaces; Sealing Cracks; Bituminous Seal Coat, I and II; Base Repair.
- AV-V232**            **Pavement Management Systems for Local Administrators 1990**

DOT FHWA  
01/01/1990  
1/2" VHS, 17 min. Overview of requirements and expected benefits of a pavement management system. The use of a computer is assumed.

- AV-V233**      **Pavement Marking Inspection: Traffic Paint**  
American Traffic Safety Services Assn.  
01/01/1992  
\* 1/2" VHS, 15 min. Brochure. This video describes the inspection and quality control measures needed to ensure proper application of traffic paint. Common problems, materials, general responsibilities of the inspector, and major inspection points are covered. Brochure Title: Inspector's Guide to Pavement Markings.
- AV-V234**      **Pavement Structure Repair Techniques, I**  
Institute for Transportation Research and Education; DOT FHWA  
08/01/1989  
1/2" VHS, 88 min., 25 suppl.; Maintenance of Gravel Roads; Ditch Maintenance; Pothole Patching; Crack Sealing; Basic Traffic Control.
- AV-V235**      **Pavement Structure Repair Techniques, II**  
Institute for Transportation Research and Education; DOT FHWA  
08/01/1989  
1/2" VHS, 43 min., 10 Suppl.; Shoulder Maintenance; Asphalt Chip Seals.
- AV-V236**      **Paving and Compaction Training**  
Video University Productions  
01/01/1992  
\* 1/2" VHS, 1hr, 43 min. This video covers paving and compaction techniques.
- AV-V237**      **Paving Techniques**  
Video University Productions  
01/01/1992  
\* 1/2" VHS, 37 min. The correct asphalt paving procedures are presented.
- AV-V238**      **Pedestrian Accident Reconstruction**  
Lawyer & Judges Publishing Co.  
01/01/1994  
\* 1/2" VHS, 40 min. Accompanied by text with same title (HE 5614.2.E93 1994). To be used in conjunction with chapter 7 of the text. Shows a series of pedestrian-vehicle crash tests. Intended for those in accident reconstruction.
- AV-V239**      **Pedestrian Safety: What You Can Do**  
DOT FHWA  
11/01/1989  
1/2" VHS, 9 min. An overview of pedestrian safety using the themes of engineering, education, and enforcement. Information is presented against a background of filmed traffic scenes.
- AV-V240**      **Pedestrians**  
Traffic Education & Consulting Services

01/01/1994  
\*1/2" VHS, 12 min. Accompanied by two guides. Preventative safety tips to help reduce the unique risks of pedestrians in work zones.

**AV-V241**                    **PENNDOT Advantage**  
Pennsylvania Dept. of Transportation  
10/01/1992  
1/2" VHS, 12 min. A training video for management personnel. The video addresses recruitment of civil engineers for the Pennsylvania Department of Transportation.

**AV-V242**                    **Agri-Access Network: a Pennsylvania Pilot Study**  
DOT FHWA  
09/01/1983  
1/2" VHS, 25 min. A pilot study in Pennsylvania used to identify the priority, agricultural, road network. The study also identified the roads and especially the bridges needing improvements. Related materials: Pennsylvania Agricultural Access Network Pilot Study report, slides, and cassette tape.

**AV-V243**                    **Perry County Bridge**  
WKYT-TV Channel 27 Lexington  
10/22/1987  
\*1/2", 3/4" VHS

**AV-V244**                    **Philadelphia: Vision of the 90's**  
Philadelphia Convention and Visitors Bureau  
\*1/2" VHS, 13 min. A marketing video that highlights the historical, cultural, business, recreational, and transportation services and facilities.

**AV-V245**                    **Plant Growth Regulators and Grounds Maintenance**  
U.S. Army Corps of Engineers  
1/2" VHS, 11 min. A video on the application of chemicals for plant growth regulator.

**AV-V246**                    **Plow Power**  
American Public Works Assn.  
01/01/1988  
1/2" VHS, 15 min. Snow fighting is a year round operation requiring planning and preparation. Plow drivers need to know the route, drive defensively, and use the proper techniques. Plowing operations are demonstrated for roads and streets, intersections, and cul-de-sacs.

**AV-V247**                    **Pneumatic Tire Roller Operation**  
Delaware Dept. of Transportation  
1/2" VHS, 19 min. An introduction to the pneumatic tire roller. Covers daily checks, start up, shut down, basic operation, and rolling techniques.

**AV-V248**                    **Polyfil System**  
Terry Industries  
04/01/1988  
\* 1/2" VHS, 15 min. A marketing video for the use of the Polyfil System, which

is an emulsion and aggregate used to repair cracks and potholes in pavements.

- AV-V249**            **Pothole Patcher**  
Delaware Dept. of Transportation  
1/2" VHS, 23 min. Describes a single piece of equipment called the Pothole Patcher used to repair potholes. Video covers the components, pre-trip inspection, and operations.
- AV-V250**            **Pothole Repair**  
Minnesota Dept. of Transportation  
1/2" VHS, 56 min. This tape shows the tools and procedures for repairing potholes.
- AV-V251**            **Pothole Repair in Asphalt Concrete Pavement**  
International Road Federation  
01/01/1988  
\* 1/2" VHS, 13 min., suppl. A 9-step procedure using proper materials, tools, and equipment. Special emphasis is placed on the proper shaping of the repair and the compaction of the mix.
- AV-V252**            **Pothole Repair in Surface Treatment Pavement**  
International Road Federation  
01/01/1988  
\* 1/2" VHS, 13 min. Suppl. This video outlines an 8-step procedure for surface treated road repairs.
- AV-V253**            **Potholes: Causes, Cures & Prevention**  
U.S. Army Corps of Engineers  
01/01/1985  
\* 1/2" VHS, 11 min. A discussion of the causes, cures, and prevention of potholes in road surfaces.
- AV-V254**            **Power of Vision**  
Charthouse Learning Corporation  
01/01/1990  
\*1/2" VHS, 30 min. Explores how positive and meaningful visions of the future provide purpose and direction to the present. LOAN TO KTC STAFF ONLY.
- AV-V255**            **Burt Rutan; Hall of Fame Award**  
Kentucky Transportation Center; University of Kentucky  
09/29/1992  
1/2" VHS, 90 min. Burt Rutan, speaks on innovations in aviation and the Kentucky Transportation Hall of Fame Award is presented to Cy Layson at TRANSPO, the 1992 Kentucky Transportation Forum.
- AV-V256**            **Prestressed Concrete Overlay on IH35 in Texas**  
Portland Cement Assn.  
01/01/1986  
\* 1/2" VHS, 17 min. A demonstration project in Texas on the design of and construction techniques for prestressed concrete overlays.

- AV-V257**                    **Preventive Maintenance; 5-Yard Dump Trucks Preventive Maintenance; Dump Box Operations; Dump Truck Driving**  
New Mexico Dept. of Transportation  
01/01/1982  
1/2" VHS, 4 Parts, 10, 6, 11, 8 min. Daily preventive maintenance operations allows you to spot and correct small problems. Also covers prevention maintenance, dump box operations and driving instructions for a 5-yard dump truck. Four segments.
- AV-V258**                    **Professional Flagging: Basic Principles, Procedures and Applications**  
Iowa Dept. of Transportation Policy and Information Dept.  
1/2" VHS, 47 min. Part 1: Basic Principles, 15 min.; Part 2: Basic Procedures, 14 min.; Part 3: Applications, 18 min. Thorough coverage of flagging operations. Recording quality is poor.
- AV-V259**                    **Project Documentation**  
SNI International Resources, Inc.  
01/01/1993  
\* 1/2" VHS, 10 min. The video discusses the importance of project documentation. The documentation should be clear, concise, correct, complete, and concurrent.
- AV-V260**                    **Project Management**  
CareerTrack, Inc.  
01/01/1993  
\* 1/2" VHS, 58 min, 79 min. Accompanied by a manual. Volume 1 - Planning and Organization; Volume 2 - Tracking, Control & Follow-Up. Describes the steps and skills required to manage a project effectively.
- AV-V261**                    **Protection of Locators and Surveyors**  
Traffic Education & Consulting Services  
01/01/1994  
\*1/2" VHS, 9 min. Accompanied by two Guides: Safety practices and procedures to help protect workers using minimal devices.
- AV-V262**                    **Public Works Equipment in Retrospect**  
Public Works Historical Society  
\* 1/2" VHS, 14 min. Examines the story of equipment technology, from horse-drawn to high-tech. Intended for public works professionals and those with an interest in the topic.
- AV-V263**                    **Puff Asphalt Maintenance Systems**  
One Man Inc.  
01/01/1992  
1/2" VHS, 5 min. Describes how "Puff" patches potholes, using a single driver/operator.
- AV-V264**                    **Pulvi-Mixer**  
Delaware Dept. of Transportation  
1/2" VHS, 32 min. The pulvi-mixer pulverizes damaged, paved shoulders and produces a granulated mixture. The video describes the equipment parts and

how they work, and reviews daily checks, start up, operating techniques, and shutdown.

- AV-V265**                    **Quality Control of Concrete On Site**  
Strategic Highway Research Program  
06/01/1994  
1/2" VHS, 14, 17, 18, & 18 min. 4 parts. The quality of concrete must be verified before it is cast by using the quality control tests described in these four videos: Pt.1 Sampling, testing, and slump. Pt.2 Air content, unit weight, and cylinders and beams. Pt.3 and 4, new concrete monitoring and testing procedures and applications.  
Accompanied by a manual: SHRP-C-414.
- AV-V266**                    **Quality or Else: Change to Survive: A Brand New Ball Game**  
Films Incorporated  
01/01/1991  
\*1/2" VHS, 58 min. Accompanied by book. LOAN TO KTC STAFF ONLY. This program explores how governments, companies, managers, and workers have made, and continue to implement, drastic changes in order to survive.
- AV-V267**                    **Quality or Else: How to Hit the Moving Target**  
Films Incorporated  
01/01/1991  
\*1/2" VHS, 58 min. Accompanied by book. LOAN TO KTC STAFF ONLY. This program explores how quality is being achieved. Basic ingredients include: common vision, a knowledge of systems, statistical thinking, and continuous improvement.
- AV-V268**                    **Quality or Else: The Global Marketplace**  
Films Incorporated  
01/01/1994  
\*1/2" VHS, 58 min. Accompanied by book. LOAN TO KTC STAFF ONLY. This program explores the shift from regional to international marketplaces, the use of new technologies and the new management philosophies behind the Quality Revolution.
- AV-V269**                    **Quickchange Movable Barrier**  
Barrier Systems, Inc.  
01/01/1988  
\* 1/2" VHS, 10 min. This tape demonstrates a "GM" type concrete barrier modified to be easily moved from 8-12 feet in one pass of a special piece of equipment.
- AV-V270**                    **Ramp Metering: Signal for Success**  
DOT FHWA  
01/01/1989  
1/2" VHS, 17 min. The principles and benefits of ramp metering are explained by showing examples of successful projects. Urban traffic congestion is also explained. Audience: public officials and citizens.
- AV-V271**                    **Recycling Continuously Reinforced Concrete Pavement on I-29 in**

**North Dakota**

Portland Cement Assn.

02/01/1985

\* 1/2" VHS, 15 min. Continuously reinforced concrete pavement was recycled, after additional crushing, for the new pavement. Asphalt shoulders were recycled and used in the base.

**AV-V272**

**Recycling Portland Cement Concrete Pavements**

Portland Cement Assn.

\* 1/2" VHS, 21 min. Covers a wide scope of recycling equipment and operations. It includes the recycling of plain, mesh-dowel, and continuously reinforced concrete pavements. Mix designs for recycled concrete are reviewed.

**AV-V273**

**Regraveling**

International Road Federation

01/01/1988

\* 1/2" VHS, 17 min., suppl. This tape discusses the planning and coordination to restore road wearing surfaces. Six step regraveling procedure is shown.

**AV-V274**

**Rehabilitation of Interstate I-20/I-59 Meridian, Mississippi**

Portland Cement Assn.

01/01/1986

\* 1/2" VHS, 12 min. The rehabilitation of concrete pavement that included undersealing, replacing a few seals, reworking joints, surface texturing, and replacing asphalt shoulders with concrete shoulders.

**AV-V275**

**Reliable Witness: Direct Tension Indicators**

J & M Turner, Inc.

01/01/1991

\* 1/2" VHS, 21 min. A video about steel, high strength structural bolts. Discusses what they are, why they are used, their installation, and bolting problems and solutions.

**AV-V276**

**Repair of Depressions, Rutting and Corrugations**

International Road Federation

\* 1/2" VHS, 14 min., Suppl. Covered are the steps to fill in low areas with asphalt concrete, and to overlay with a wearing course. It describes how to use this method with a motor grader in 8 work steps.

**AV-V277**

**Replenishing Earth and Gravel Shoulders**

International Road Federation

01/01/1985

\* 1/2" VHS, 19 min. Good shoulders are important for safety and proper drainage. This video addresses the steps for replenishing shoulders.

**AV-V278**

**Reshaping Earth and Gravel Shoulders**

International Road Federation

\* 1/2" VHS, 15 min. This tape shows proper procedures for reshaping earth and gravel shoulders, (without adding materials). Tools and equipment needed are described.

- AV-V279**                    **Response to Winter**  
 Pennsylvania Dept. of Transportation  
 09/01/1993  
 1/2" VHS; 20 min. Describes the snow and ice control services and plan of the Pennsylvania DOT.
- AV-V280**                    **Resurfacing City Streets with Concrete**  
 Kentucky Ready-Mixed Concrete Assn.  
 \* 1/2" VHS, 11 min. Video reviews the concrete overlay projects in Henderson, KY. The durability and aesthetics are two advantages highlighted. The streets in the video were resurfaced with a fast track, unbonded overlay that was slip formed over the street.
- AV-V281**                    **Retaining Wall Design; Traffic Control and Liability**  
 Montana State University; DOT FHWA  
 01/01/1985  
 1/2" VHS, 2 Programs: 55 min., 50 min. (1) The elements of retaining wall design that cover earth pressure and design, drainage, joint detailing, and construction details. (2) An introductory overview to traffic control operations with the associated legal documents and legal liabilities.
- AV-V282**                    **Right Before Your Eyes**  
 American Traffic Safety Services Assn.  
 1/2 " VHS, 10 min. The video discusses the importance of proper roadway markings and their maintenance to ensure safer roads. Accompanied by a brochure.
- AV-V283**                    **Right to Know: Hazard Communication in the Workplace**  
 M2 Ltd  
 09/28/1988  
 \* 1/2" VHS. Explains the employee's right to know which chemical hazards are in the workplace. Accompanied by an employer's guide.
- AV-V284**                    **Road Drainage**  
 Transportation Information Exchange St. Michael's College, VT  
 09/01/1983  
 1/2" VHS, 50 min. Drainage considerations in rural areas. Discussion of inventory, good design cross section, and the effects of water on roadways. Good slide presentation of difficult ditching situations.
- AV-V285**                    **Road Maintenance Cost Analysis, Parts 1-4.**  
 Montana State University  
 01/01/1983  
 1/2" VHS, 50 min. Analysis of costs relating to the purchase of equipment, maintenance operation, and deferred maintenance. Also included is how to present data to county commissioners or city councils.
- AV-V286**                    **Road Management Systems**  
 U.S. Army Corps of Engineers; DOT FHWA  
 02/05/1990  
 1/2" VHS, 5 min. Outlines the advantages of a pavement management system

and promotes the PAVER system.

- AV-V287**      **Road Repair: Do the Right Thing at the Right Time**  
Braun Intertec  
09/01/1991  
1/2" VHS, 23 min. A basic introduction to pavement management. The video reviews the procedures for determining the pavement condition and the necessary repairs.
- AV-V288**      **Road Stabilization Using Calcium Chloride**  
Transportation Information Exchange St. Michael's College, VT  
01/01/1985  
1/2" VHS, 20 min. Questions and answers about the use of calcium chloride. Discussion on the conditions and effects of the decaying infrastructure in Vermont.
- AV-V289**      **Rodeo**  
New Mexico State Highway and Transportation Dept.  
03/31/1991  
1/2" VHS, 8 min. The video explains New Mexico's State Hwy. and Trans. Department's equipment rodeo, an annual event in which equipment operators from the Department's districts compete in skill tests on various types of heavy equipment.
- AV-V290**      **Roebing Bridge**  
Kentucky Network  
01/01/1986  
\*1/2" VHS, 26 min. Gives the history of the Roebing Bridge across the Ohio River at Cincinnati, Ohio and Covington, Kentucky.
- AV-V291**      **ROSCO RA-200 Demonstrations and Applications 1992**  
Rosco Manufacturing Company  
01/01/1992  
\* 1/2" VHS, 22 min. Demonstrates pothole repair with the Rosco pothole patch machine.
- AV-V292**      **Routine Structure Cleaning, Maintain Drainage, Ditches, Mowing, Guardrail Repair, Shoulders, Snow Removal**  
Utah Dept. of Transportation  
1/2" VHS, 116 min. This tape presents methods and procedures for proper maintenance of different highway components including structures, drainage, guardrails, shoulders and vegetation.
- AV-V293**      **Routine Structure Cleaning; Edge Rut Repair; Maintain Drainage; Mowing; Chemical Control of Vegetation;**  
Utah Dept. of Transportation  
01/01/1989  
1/2" VHS; Manual: TE223.U82 1989; Remainder of Title: Remove Minor Slides & Clean Ditches; Guardrail Repair; Plow Snow & Apply Salt.
- AV-V294**      **RTAP (National); RTAP (Kentucky) Continuous Loop**

DOT FHWA; Kentucky Transportation Center  
05/01/1989  
1/2" VHS, 2 Parts: 11 min., 5 min. (1) Describes the national Rural Technical Assistance Program. The purpose is transportation technology exchange through demonstrations, workshops, training, publications, and videos. (2) Description of the RTAP program in Kentucky. (c1. in Director's office).

- AV-V295**                    **RTAP, Finished Master**  
Kentucky Transportation Center; DOT FHWA  
05/01/1989  
1/2" VHS, 3/4", 11 min. Describes the national Rural Technical Assistance Program. The purpose is transportation technology transfer through demonstrations, workshops, publications, videos, and training.
- AV-V296**                    **RTAP: Your New Neighbor**  
Pennsylvania Dept. of Transportation  
04/01/1986  
1/2" VHS, 11 min. Explains the RTAP in Pennsylvania. The RTAP program is designed to provide transportation technology, information, and training to the municipalities.
- AV-V297**                    **Rural Transportation Assistance Program (RTAP)**  
DOT FHWA; Kentucky Technology Transfer Center  
09/01/1989  
3/4" VHS, 14 min.
- AV-V298**                    **Safe Efficient Lane Closure**  
American Traffic Safety Services Assn.  
1/2" VHS, 10 min. A traffic control training video for street and road maintenance crews. This video shows how to safely and efficiently close a lane of traffic.
- AV-V299**                    **Safely Controlling the Power of the Backhoe/Loader**  
Video Information System Training Associates Inc.  
\*3, 1/2" VHS, 11 min., 15 min., 9 min. Accompanied by Facilitator and Participant Manuals. The three videos review the safe operating procedures for backhoe/loaders: Pre-start inspection, operating safety awareness, and maintenance and transportation issues.
- AV-V300**                    **Safer Roadside**  
Pacific Communications, Inc.  
02/01/1992  
1/2" VHS, 18 min. Discusses WSDOT's policy for controlling utility use of highway right-of-way. WSDOT has developed a process to initiate corrective measures for existing above-ground utility facilities based upon annual mitigation targets.
- AV-V301**                    **Safety Features for Local Roads & Streets**  
DOT FHWA  
1/2" VHS, 110 min. Accident studies of wet surfaces, roadway slopes and ditches, drainage structures, side roads, and sign and mailbox post supports.

- AV-V302**            **Safety Restoration During Snow Removal: Guidelines**  
 DOT FHWA  
 10/01/1989  
 1/2" VHS, 25 min. Manual: FHWA-TS-90-036. Addresses the hazards associated with nonfunctioning highway safety features that occur with snow removal operations, and how the hazards can be remedied.
- AV-V303**            **Sampling & Testing Fresh Concrete**  
 01/01/1985  
 3/4" VHS, 50 min.
- AV-V304**            **Scarification and Jackhammers Versus Hydrodemolition**  
 Hydro-Demolition Services  
 \* 1/2" VHS, with accompanying information. Demonstrates hydro-demolition for concrete pavement maintenance. Reviews the options and advantages of hydrodemolishing. First part is unnarrated.
- AV-V305**            **Sealcoating: A Matter of Science and Skill**  
 Minnesota Local Road Research Board  
 10/01/1993  
 1/2" VHS, 16 min. The video describes why, when, and how to sealcoat. Intended for maintenance workers, public officials, and the general public.
- AV-V306**            **Selective Pavement Rehabilitation**  
 Video University Productions  
 01/01/1992  
 \* 1/2" VHS, 34 min. "Selective repair" permits rehabilitation of a single lane of pavement without paving the entire road width and shoulders. The benefits and liabilities of milling are also explained.
- AV-V307**            **Shake Hands with Danger**  
 Caterpillar Company, Inc.  
 01/01/1979  
 \* 1/2" VHS, 23 min. This tape has a harsh message for all who work with heavy machinery and common shop tools. Realistic accidents make the warning loud and clear.
- AV-V308**            **Shoulder Cutting**  
 Pennsylvania Dept. of Transportation  
 11/25/1985  
 1/2"VHS, 14 min. Accompanied by a workbook with same title. To ensure proper drainage of roads and safety, it is important that shoulders be maintained properly. This video reviews all the steps for cutting shoulders: planning, scheduling, inspection, work activity, and quality control checks.
- AV-V309**            **SHRP Now! Exhibit: 1991 AASHTO Technology Transfer Fair**  
 Strategic Highway Research Program  
 01/01/1991  
 1/2" VHS, 59 min. This video highlights some of the research products produced by SHRP that were exhibited at the 1991 AASHTO Technology Transfer Fair.

- AV-V310**            **SHRP: Paving the Way for Tomorrow's Highways**  
 Strategic Highway Research Program  
 01/01/1989  
 1/2" VHS, 16 min. Overview of SHRP.
- AV-V311**            **Single and Multiple Surface Treatments**  
 International Road Federation  
 01/01/1988  
 \* 1/2" VHS, 14 min., Suppl. This tape covers good surface treatment on paved and unpaved roads. Topics covered are: advanced repairs of surface, testing equipment, checking the weather forecast during operations, materials required, how to apply asphalt, spreading and compacting the aggregate, and how to obtain smooth transverse and longitudinal joints.
- AV-V312**            **Six States' Highway Safety Public Awareness Messages**  
 DOT FHWA  
 1/2" VHS, 47 min. Public awareness messages on highway safety from six states.
- AV-V313a**           **Slope Maintenance and Slide Restoration, Programs 1-8, (Sections I-VIC)**  
 DOT FHWA; Kentucky Transportation Research Program  
 06/16/1988  
 1/2" VHS, 4 tapes; 3/4" VHS, 8 Tapes. 6 hours. A one-day workshop on the guidelines for handling slides of all sizes. Covers slope movements and processes, recognition and identification, maintenance practices, stabilization methods, and legal liabilities.
- AV-V313b**           **Slope Maintenance and Slide Restoration; Geotextile Walls, Retaining Walls**  
 DOT FHWA; Kentucky Transportation Research Program  
 06/23/1988  
 1/2" VHS, 2 tapes; 3/4" VHS, 4 tapes. 203 mins. A one-day workshop on the use of geotextiles and retaining walls for slope maintenance and slide restoration.
- AV-V314**            **Smoothing and Reshaping of Earth and Gravel Roads**  
 International Road Federation  
 01/01/1988  
 \* 1/2" VHS, 21 min. In two parts: smoothing and reshaping. Each part has an equipment requirement, an overview of work steps, and a work step summary.
- AV-V315**            **Snowfighting from A to Z**  
 Salt Institute  
 \* 1/2" VHS, 73 min. Practical and comprehensive look at snow and ice control. Compilation from 3 videos. Audience: Public works employees.
- AV-V316**            **So You're Going to Make a Video**  
 Pennsylvania Dept. of Transportation  
 07/01/1988

1/2" VHS. Tips on making a video by Bob Kelly.

- AV-V317**      **Soule SK Now in North America**  
Soule Corp.  
\*1/2" VHS, 11 min. Describes and demonstrates a people mover system on an overhead track.
- AV-V318**      **Special Hot Mixes: SMA-ATPB-Rubberized**  
Video University Productions  
01/01/1992  
\* 1/2" VHS, 46 min. Video describes three special hot mixes and their uses: stone mastic asphalt (SMA), asphalt treated permeable base (ATPB), and rubberized hot mix asphalt.
- AV-V319**      **Special Use Traffic Control**  
International Road Federation; DOT FHWA  
01/01/1994  
\* 1/2" VHS, 17 min.; Includes booklet and covers special use traffic control such as 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, etc.
- AV-V320**      **Speed Scientific School Civil Engineering Recruiting Tape 1991**  
University of Louisville  
01/01/1991  
\*1/2" VHS, 13 min. Civil Engineering as a career choice is defined and discussed. The program at Speed Scientific School at the University of Louisville and its advantages are presented.
- AV-V321**      **Stabilization: Holding the Roads**  
Iowa State University  
02/01/1987  
1/2" VHS, 22 min. Examines loss of aggregate from poor stabilization. Various low cost methods of improving unpaved roads with existing materials is covered.
- AV-V322**      **Stamped Concrete. Re-Paving City Streets. Tilt-Up Concrete Construction. Kerney Hills Golf Course.**  
Kentucky Ready-Mixed Concrete Assn.  
\* 1/2" VHS, 50 min. Reviews and demonstrates the design and construction of stamped concrete, whitetopping, tilt-up concrete panels, and slip form concrete trails.
- AV-V323**      **Staying Ahead of the Storm: Road Weather Information Systems**  
Strategic Highway Research Program  
01/01/1992  
\* 1/2" VHS 21 min. Describes a Road Weather Information System and how it enhances snow and ice control measures.
- AV-V324**      **Steel Truss Bridge Inspection; Pre-Stressed Concrete Bridges - Safety Inspection**

Oregon Dept. of Transportation; DOT FHWA  
01/01/1985  
1/2" VHS, 2 Pts.: 52 min., 58 min. Covers general inspection procedures for steel truss bridges and pre-stressed concrete bridges, equipment needed, report form, and problems to check for. Steel Truss Bridge Inspection (3/4")-1c.

**AV-V325 Steel Wheel Roller**  
Delaware Dept. of Transportation  
1/2" VHS, 23 min. Reviews the operating techniques for the steel wheel roller. Covers daily checks, start up and warm-up, hook up and towing, basic operation, rolling techniques, and shut-down.

**AV-V326 Straight Blade Snow Plows, Parts 1 & 2; Highway Sanders; Crack Sealer Operation Pts 1 & 2; Highway Sander Calibration**  
Utah Dept. of Transportation  
01/01/1989  
1/2" VHS, 117 min. Manual: TE223.U82 1989; Remainder of Title: Tar Pot Operation; Bulldozer Preventive Maintenance. This tape presents methods and procedures for proper operation and maintenance of straight blade snowplows, highway sanders, and bulldozers. It also presents operation procedures for crack sealing and the use of tar pot.

**AV-V327 Strategic Highway Research Program**  
DOT FHWA; AASHTO  
1/2" VHS, 15 min. This tape describes the development of the SHRP program. The individual projects of SHRP are also discussed.

**AV-V328 Strategic Planning for State and Local Transportation Agencies**  
Transportation Research Board  
10/10/1986  
\* 1/2" VHS, 45 min. Elements of Strategic Planning Checklist. Relates the business concepts of strategic planning, dealing with the mission and structure of an organization, to state and local transportation agencies.

**AV-V329 Street Closures**  
Traffic Education & Consulting Services  
01/01/1994  
\*1/2" VHS, 16 min. Accompanied by two guides: Practices and procedures for street closures during emergencies, special events, or in long and short-term operations

**AV-V330 Subsurface Utility Engineering: a Technology for the '90s**  
DOT FHWA Engineering and Operations  
08/01/1990  
1/2" VHS, 13 min. Planning for locating utilities underground. Audience: Engineers in large municipalities.

**AV-V331 SUPERPAVE: Asphalt Pavements that Perform**  
Texas Dept. of Transportation  
02/27/1992  
1/2" VHS, 5 min. The video provides a short, understandable explanation of

SHRP's asphalt products. Intended for state and local governments, engineers, and technicians.

- AV-V332**                    **Surface Distress and Street Surveying Procedures**  
Metropolitan Transportation Commission  
03/01/1987  
\* 1/2" VHS, 63 min. A pavement management training course. This video focuses on rating the condition of the pavement in the networks. Surface distress and street surveying procedures are covered.
- AV-V333**                    **Surface Distress and Street Surveying Procedures Part 2: Sections B, C, & D**  
Metropolitan Transportation Commission  
03/01/1987  
\* 1/2" VHS, 59 min. Included are a field demonstration of pavement distresses and both the manual and automatic methods of calculating the pavement condition distress index.
- AV-V334**                    **Surface Distress and Street Surveying Procedures Section A: ID of Surface Distress Characteristics and Severity Levels**  
Metropolitan Transportation Commission  
03/01/1987  
\* 1/2" VHS, 78 min. Part of a pavement management surface course, this video describes and shows surface distress characteristics and severity levels.
- AV-V335**                    **Take Charge! with General H. Norman Schwarzkopf (Ret.)**  
Washington Speakers Bureau Video; Black Summit, Inc.  
01/01/1992  
\*1/2" VHS, 22 min. LOAN TO KTC STAFF ONLY. General Schwarzkopf discusses success, and the setting of goals and high standards. The video is about people, motivation, and leadership.
- AV-V336**                    **Taking Control of Your Motor Grader**  
John Deere Training Center  
\* 1/2" VHS, 19 min. Demonstrates and reviews the functions, controls, and operating techniques of the motorgrader.
- AV-V337**                    **Team of Your Life**  
Caterpillar; American Public Works Assn.  
01/01/1983  
\* 1/2" VHS. This video tells a people management story through the experiences of a young contractor. His learning experience explores the pitfalls, hard knocks, potholes, and humor that lie along the road to becoming a good people manager.
- AV-V338**                    **Teamwork: The FARS Project**  
Oak Ridge National Laboratory  
1/2" VHS; 12 min. Describes how teamwork was used to develop a safe and efficient means of rearming U.S. Army tanks.

- AV-V339**            **Technical Advancements for Maintenance Workers: for Maintenance Managers and Work Crews**  
Strategic Highway Research Program  
1/2" VHS, 15 min. Accompanied by brochures. Describes the technical products of SHRP's highway operations studies. Covers preventive pavement maintenance, snow and ice control, and work zone safety.
- AV-V340**            **Technical Advancements for Maintenance Workers: for Chief Administrative Officers**  
Strategic Highway Research Program  
1/2" VHS, 12 min. Accompanied by brochures. Describes the technical products of SHRP's highway operations studies. Subjects covered are preventive pavement maintenance, snow and ice control, and work zone safety.
- AV-V341**            **Terry Industries**  
Video Features Inc.  
\* 1/2" VHS. Briefly explains the products, services and equipment of Terry Industries. The company focuses on road construction and maintenance. The video emphasizes the SA-Merit System which is a stress absorbing membrane.
- AV-V342**            **Testing and Field Inspection of Roadway Delineation**  
DOT FHWA  
1/2" VHS, 36 min. Video describes the inspection, testing, and application/installation of pavement markings, signs, and other roadway delineators. Accompanied by the report, FHWA-SA-93-002.
- AV-V343**            **Thermal and Asphalt Cold Mix Treatment of Hydrocarbon Contaminated Soil**  
Video University Productions  
01/01/1992  
\* 1/2" VHS, 59 min. Explains thermal treatment of hydrocarbon contaminated soil at an asphalt plant. Also shows remediated soil in hot and cold mix asphalt.
- AV-V344**            **Thermo-Lay Hot Asphalt and Sanding Machine**  
Northwest Manufacturing and Distribution, Inc.  
01/01/1985  
\* 1/2" VHS, 10 min. A single unit pothole patcher, with a sanding attachment and automatic lift, is demonstrated.
- AV-V345**            **Thin High Strength Whitetopping Research**  
Kentucky Ready-Mixed Concrete Assn.  
\* 1/2" VHS, 17 min. A road into a landfill in Louisville was paved using new concrete technology and pavement design. The road will be evaluated periodically. Slip form, superplasticized concrete was used.
- AV-V346**            **Third Annual Washington High Speed Rail Forum Held in Washington, D.C. on October 25, 1991**  
High Speed Rail Assn.  
10/25/1991  
\*2, 1/2" VHS. Briefings by the FRA and Army Corps of Engineers (ACE) on the

national maglev initiative, federal steel wheel development, emerging safety regulations, and ACE and FRA programs. Also a debate by key congressmen involved in high speed rail legislation.

- AV-V347**            **Third Friday Report #9**  
DOT FHWA; KLM Video, Inc.  
03/17/1993  
1/2" VHS, 22 min. This video is about FHWA people and projects. This is one segment of a regular program titled "Third Friday Report" that covers weigh-in-motion, SHRP, 100 year anniversary of FHWA, and women in transportation.
- AV-V348**            **Timber Bridge Inspection in Oregon**  
Oregon Dept. of Transportation; DOT FHWA  
01/01/1985  
1/2" VHS, 3/4" VHS, 50 min. This tape describes the actual inspection of two timber bridges in Oregon. It takes one through the procedures, tools, and forms to do a thorough job of inspection. Useful to local engineers and bridge inspectors.
- AV-V349**            **Timber Bridges, Build Better and Save With Modern Timber Bridges**  
DOT FHWA  
04/01/1988  
1/2" VHS, 22 min. Utilization of timber bridges.
- AV-V350**            **To Engineer Is Human**  
Films Incorporated  
01/01/1990  
\*1/2" VHS, 50 min. The video shows how engineering science is subject to human limitations. Henry Petroski demonstrates how structures can fail by using examples of major civil failures.
- AV-V351**            **To Warn, Guide and Protect: An Introduction to Flagging**  
New Mexico State Highway and Transportation Dept.  
04/13/1992  
1/2" VHS, 22 min. Covers the three elements of a flagger's duties: to warn motorists, to guide and control traffic, and to protect motorists and workers. Reviews and demonstrates flagging procedures.
- AV-V352**            **Tow Type Sweeper Operation & PM-A; Pneumatic Tire Roller Operation; Roller PM-A; Steel-Wheel Roller Operation;**  
Utah Dept. of Transportation  
01/01/1989  
1/2" VHS; Manual: TE223.U82 1989; Remainder of Title: Structures Inspection. Demonstrates operation of sweepers and rollers and the inspection of structures.
- AV-V353**            **Tow-Type Trailers**  
Delaware Dept. of Transportation  
1/2" VHS, 20 min. Reviews the use of trailers. Covers pre-trip inspection, hook-up, loading, towing, and unloading.

- AV-V354**      **Traffic Barriers: An Overview; W-Beam, Wood and Steel; Traffic Barrier Terminal**  
 DOT FHWA  
 1/2" VHS, 46 min. Deals with barriers, bridge rails, and end treatments. Describes how various highway features work, why they are used, and what causes them to fail. Also deals with installation and maintenance of highway traffic barriers. Accompanied by: W-Beam Guardrail Repair and Maintenance (FHWA-RT-90-001)
- AV-V355**      **Traffic Congestion: What Does the Future Hold?**  
 Institute of Transportation Engineers  
 01/01/1987  
 \*1/2" VHS, 17 min. A general overview of traffic congestion. Suggestions for approaches to finding solutions to congestion. Might be used as an introduction for planning or public meetings or college class presentation.
- AV-V356**      **Traffic Control for Schools, Railroad Crossings, and Bicycle Facilities**  
 International Road Federation; DOT FHWA  
 01/01/1994  
 \* 1/2" VHS, 24 min. Accompanied by booklet. The video describes signs, signals, marking and other traffic control devices for schools, railroad crossings, and bicycle facilities.
- AV-V357**      **Traffic Control for Short Term Work Zones**  
 Minnesota Dept. of Transportation  
 01/01/1986  
 1/2" VHS, 73 min. Describes the traffic control operations and equipment for short term work zones.
- AV-V358**      **Traffic Control on Concrete 4R Projects**  
 Portland Cement Assn.  
 08/01/1985  
 \* 1/2" VHS, 18 min. Discusses traffic control measures on construction projects. The importance of public relations, contractor input, and safety for motorists and workers are stressed.
- AV-V359**      **Traffic Control Procedures**  
 Traffic Education & Consulting Services  
 01/01/1994  
 \*1/2" VHS, 14 min. Accompanied by two Guides: Implementing effective work zone planning including previewing, laying out, analyzing and navigating.
- AV-V360**      **Traffic Control Signals at Intersections**  
 International Road Federation; DOT FHWA  
 01/01/1994  
 \* 1/2" VHS, 18 min.; Includes booklet and describes basically how engineers determine if a signal is needed, how signal controller phasing works, and how signal timing works.
- AV-V361**      **Traffic Sign Inspection and Maintenance**  
 International Road Federation; DOT FHWA

01/01/1994  
\* 1/2" VHS, 21 min.; Includes booklet. Covers inspection, maintenance, materials, equipment, budgeting and sign inventory.

- AV-V362**      **Traffic Sign Placement and Location**  
International Road Federation; DOT FHWA  
01/01/1994  
\* 1/2" VHS, 22 min.; Contains booklet and covers placement and location of signs in general and specifically at their placement and location in three areas: urban, rural and freeways.
- AV-V363**      **Traffic Signal System: Go for the Green (parts 1 & 2)**  
DOT FHWA  
12/09/1985  
1/2" VHS, 18 min., 2 video tapes and 1 report. This program demonstrates the need for proper traffic signalization and highlights the best current practices. (Oversize container, shelved at the end of the videos).
- AV-V364**      **Transport Trailer Safety**  
Video Information System Training Associates, Inc.  
01/01/1995  
\* 1/2" VHS, 15 min. Covers the safe loading, unloading, and transport procedures for heavy equipment.
- AV-V365**      **Transportation Technology Transfer: Good Neighbors In a Changing World**  
Organization for Economic Cooperation and Development  
\* 1/2" VHS, 19 min. Describes transportation technology transfer programs of the U.S., OECD, PIARC, IRF, SPRINT, and the Panamerican Highway Institute. Describes the means used for transferring technology and the T2 process model.
- AV-V366**      **Transrapid**  
Transrapid International  
\*1/2" VHS, 7 min. A promotional video on a magnetic levitation train on an elevated guideway. Designed for medium to long distances.
- AV-V367**      **Trenchers: Stay Alert - Stay Alive**  
Talus Resources  
08/16/1993  
1/2" VHS, 13 min. This video addresses the safety methods and correct practices for trenching machinery operation.
- AV-V368**      **Truck Impacts on Pavements**  
DOT FHWA  
04/01/1988  
1/2" VHS, 24 min. This video identifies the truck factors such as load, size, and weight and their effect on pavement design and pavement performance.
- AV-V369**      **Unattended Work Sites**  
Traffic Education & Consulting Services

01/01/1994

\*1/2" VHS, 15 min. Accompanied by two Guides: Safety practices and procedures for unattended work zones, including securing overnight or weekend work zones.

**AV-V370**

**Unsurfaced Road Inspection**

U.S. Army Corps of Engineers; DOT FHWA

02/05/1990

1/2" VHS, 8 min. Explains how to inspect unsurfaced roads and how to rate roads for future maintenance or repair.

**AV-V371**

**Unsurfaced Road Management**

U.S. Army Corps of Engineers; DOT FHWA

02/05/1990

1/2" VHS, 9 min. Explains how to set up an inspection and rating system to better judge what repair work needs to be done.

**AV-V372**

**Upgrading Gravel Roads**

Northwest T2 Center

10/01/1985

1/2" VHS, 21 min. Pt. I. Explains the importance of gravel roads in rural areas and highlights problems such as poor materials, narrow rights-of-way, decreasing budgets, and lack of equipment. Pt. II. Shows how MTDOT used a nearsite plant mixer to help create a good base.

**AV-V373**

**Uses of Asphalt Rubber**

Asphalt Rubber Products Group

\* 1/2" VHS & 24 booklets, 12 min. Description and uses of asphalt rubber.

Asphalt rubber is a blend of recycled scrap rubber and asphalt cement.

Reproduced by DOT FHWA with permission from ARPG.

**AV-V374**

**Verglimit (Job Mixing and Laying)**

PK Innovations

02/10/1987

\* 1/2" VHS, 9 min. Discusses the proper procedures for handling, storing, mixing, and laying asphalt pavement with the additive. Verglimit is a multi-component chemical de-icer admixture for bituminous surface courses.

**AV-V375**

**Verglimit (Snow and Ice Removal)**

PK Innovations

\* 1/2" VHS, 30 min. The video explains what Verglimit is and how it works.

Presents case studies and research results.

**AV-V376**

**Verglimit Profile: Tappan Zee Bridge, New York**

PK Innovations

01/01/1986

\* 1/2" VHS, 12 min. In the rehabilitation of the New York Tappan Zee bridge, Verglimit was applied for snow and ice control. Also reviews the mixing and application procedures.

**AV-V377**

**Vermont Local Roads Program**

Vermont Local Roads Program  
1/2" VHS, 8 min. Gives an overview of the Vermont Local Roads Program which was established to provide road technology, training, education, and information to the transportation personnel within Vermont.

- AV-V378**      **Virginia Transportation Research Council**  
Virginia Transportation Research Council  
01/01/1988  
\*1/2" VHS, 12 min. Describes the Research Council and its operations.
- AV-V379**      **Weather and Loads: The Effect They Have on Roads**  
Braun Intertec  
01/01/1991  
1/2" VHS, 17 min. Discusses the effects of weather and loads on roads and some of the solutions to these problems.
- AV-V380**      **Weed Sprayer, parts 1 & 2; Dump Truck Operation, parts 1, 2, 3, 4, & PM-A**  
Utah Dept. of Transportation  
01/01/1989  
1/2" VHS, 115 min. Manual: TE223.U82 1989. This tape presents methods and procedures for proper operation and maintenance of weed sprayers and dump trucks.
- AV-V381**      **Wetted Salt (Revised)**  
Dow Chemical Company  
\* 1/2" VHS 19 min. How calcium chloride works to melt snow and ice faster and at lower temperatures than plain salt. Three methods for prewetting rock salt with liquid calcium chloride.
- AV-V382**      **What's Hot Mix Asphalt**  
National Asphalt Pavment Assn.  
01/01/1994  
\* 1/2" VHS, 11 min. This video explains in everyday language. What hot mix asphalt is, and how it is made, and how it is used.
- AV-V383**      **White Gold: An Overview of the Aspects of Snow Fighting**  
New England Chapter of APWA  
\* 1/2" VHS, 25 min. The theme of this tape is the proper selection and operation of equipment for snow and ice operations.
- AV-V384**      **Whitetopping I-70 Sherman County, Kansas**  
Portland Cement Assn.  
\* 1/2" VHS, 15 min. A pavement rehabilitation project in Kansas using concrete.
- AV-V385**      **Who Are Engineers? You?**  
National Society of Professional Engineers  
01/01/1992  
\*1/2" VHS, 13 min. Engineers in a variety of fields talk about their work and how engineering affects all aspects of our lives.

- AV-V386**                    **Winning Moves in Maintenance**  
 Caterpillar Company, Inc.  
 \* 1/2" VHS, 16 min. The film covers managed maintenance. It offers practical common sense ideas gained from interviews with successful contractors, and Caterpillar service specialists.
- AV-V387**                    **Work Zone Safety Concepts**  
 International Road Federation; DOT FHWA  
 01/01/1994  
 \* 1/2" VHS, 25 min. Covers the basic principles of work zone safety, traffic control zones, planning for traffic control, the function of traffic control devices and typical applications. Booklet included.
- AV-V388**                    **Work Zone Safety for Rural Local Agencies**  
 Institute of Transportation Research and Education; DOT FHWA  
 01/01/1990  
 1/2" VHS, 1 hr., 42 min. Divided into seven segments that focus on safety at highway work sites (Introduction, Traffic Control Devices, Traffic Control Zones, Typical Applications, Flagging, Legal Liability, and A Typical Day). A training tool for managers and employees of road departments to learn how to cope with road construction and maintenance hazards. Sponsored by the National Assn. of County Engineers.
- AV-V389**                    **Working For You**  
 United Gunitite & Construction Co., Inc.  
 \* 1/2" VHS, 24 min. Shows Gunitite (shotcrete) application on different structures (pipelines, tunnels, pools, piers, bridges, etc.)
- AV-V390**                    **Worldwide Traffic Sign Systems**  
 International Road Federation; DOT FHWA  
 01/01/1994  
 \* 1/2" VHS, 26 min. Booklet included. This program covers the types and purposes of the signs that are common to the MUTCD, the European Road Traffic Rules, and the Inter-American Manual of Traffic Control. The basic design elements for all sign systems are also reviewed.
- AV-V391**                    **Pink Slips or Greenbacks: Changing the Odds**  
 Southern Regional Education Board  
 01/01/1995  
 \* 1/2" VHS, 51 min. Focuses on the South and addresses the need for education and training to keep up with change. We are competing in a world market that is constantly changing and we must be prepared in order to succeed.
- AV-V392**                    **Spirit of Trucking**  
 National Private Truck Council; Private Fleet Management  
 Publisher continued: Institute  
 1/2" VHS, 14 min. Accompanied by a manual, "Safe Motorists and Responsible Trucking." This video is intended to educate passenger car drivers and the general public about the trucking industry, and how to share the road with trucks.

- AV-V393**            **DuraPatcher: Patching Only**  
Video Images  
\* 1/2" VHS, 15 min. The Video demonstrates the DuraPatcher System that is used for patching potholes, using aggregates and asphalt emulsion.
- AV-V394**            **Quickchange Movable Barrier: Dallas, Texas East R.L. Thorton Freeway I-30 Contraflow HOV Lane**  
Barrier Systems Inc.  
\* 1/2" VHS, 9 min. I-30 in Dallas, Texas, uses quickchange movable barriers during peak traffic periods to set up HOV lanes.
- AV-V395**            **Demonstration of Hughes Transportation Management Systems AVI/DC Subsystem**  
GM Hughes Electronics  
05/27/1993  
\* 1/2" VHS, 10 min. An explanation and demonstration of the Hughes automatic vehicle identification and driver communication system to be used by trucks for by-passing weigh stations in the Advantage I-75 project.
- AV-V396**            **Recycling the Lifeline**  
PyroTech  
\* 1/2" VHS, 9 min. This video describes the PyroPaver, a hot in-place recycling machine developed by PyroTech. It explains how the system works and its benefits. Distributed by GenPave International.
- AV-V397**            **Creating Meadows through Road Maintenance and Construction**  
DOT FHWA; New Mexico State Highway and Transportation Dept.;  
01/01/1995  
1/2" VHS, 8 min. In New Mexico erosion had caused a drop in the water table so that vegetation could not be supported. Meadows were restored by installing raised culverts to raise the water table and to fill in the channel. Publisher continued: U.S. Dept. of Agriculture Forest Service
- AV-V398**            **Motorgrader Preventive Maintenance**  
DOT FHWA; New Mexico State Highway and Transportation Dept.  
01/01/1995  
1/2" VHS, 12 min. Provides excellent coverage of daily preventive maintenance procedures for motorgraders. Covers pre-start, warm-up, operating, and shut down maintenance checks.
- AV-V399**            **Wetlands Mitigation for Transportation Projects**  
North Carolina State University; Center for Transportation  
10/26/1995  
\*1/2" VHS, 148 min. A National teleconference on mitigation of wetlands for transportation projects. Case studies are also presented.  
Publisher continued: and the Environment
- AV-V400**            **IVHS Architecture Video Primer**  
IVHS America; DOT  
04/01/1994

1/2" VHS, 27 min. The video explains in Part One what an Intelligent Vehicle/Highway System (IVHS) is and gives an overview of the program. Part Two discusses the need for compatibility within the IVHS Architecture and Part Three discusses the IVHS Architecture development program.

- AV-V401**                    **Breakaway Pole Demo Project**  
Kentucky Utilities Company  
04/21/1988  
1/2" VHS, 25 min. Installation of a break-away wood, utility pole on Tates Creek Road & McMeekin Place, Lexington, KY. Minimal commentary.
- AV-V402**                    **Breakaway Wood Pole Installation Tates Creek Road & McMeekin Place, Lexington, KY**  
Kentucky Utilities Company  
04/21/1988  
1/2" VHS, 10 min. Installation of a break-away wood, utility pole. No commentary.
- AV-V403**                    **Lexington in Motion: Video Image Processing/Motion Detection**  
Lexington-Fayette Urban County Government  
01/01/1994  
\* 1/2" VHS, 15 min. Results of a study in Lexington, KY on the application of video image and detection systems for traffic management. The systems were used for traffic counting, presence detections, and wide area detection.
- AV-V404**                    **Retrofitted Load Transfer Devices**  
Keystone Engineering & Manufacturing Corp.; Indiana DOT  
08/01/1994  
\* 1/2" VHS, 5 min. Demonstrates the use of Carbide Grinding for load transfer applications in jointed concrete pavements.
- AV-V405**                    **Major Investment Studies Teleconference May 4, 1995**  
National Transit Institute; Rutgers University  
05/04/1995  
1/2" VHS, 3 hrs. 35 min. 2 tapes. This teleconference is intended for transportation planners and is about the new major investment study process. MIS is a strategy to address major problems and solutions of major transportation projects.
- AV-V406**                    **Greenline Impact Test**  
Greenline Inc.  
\* 1/2" VHS, 6 min. Impact test of Greenline brand highway delineators at different speeds. Posts were still intact after eleven hits.
- AV-V407**                    **Bridge Beams**  
Boone County, KY, Road Dept.  
1/2" VHS, 11 min. Shows the construction of concrete bridge beams by the Boone County Road Department. No commentary.
- AV-V408**                    **Real Drive Simulator Demo**  
In-Mar-Tech International

1/2" VHS, 8 min. A demonstration of the Real Drive Simulator which is used to train drivers.

- AV-V409**      **Traffic Management Errors and Misconceptions in Cities**  
Montana State University  
\* 1/2" VHS, 20 min. Presents traffic management errors and misconceptions in the areas of speed zoning and traffic signals. Stresses the importance of the Manual on Uniform Traffic Control Devices (MUTCD). Picture is lost at the end. The last few minutes address the situation in Montana.
- AV-V410**      **SECUTC-UK Research Projects 1989**  
University of Kentucky  
01/01/1989  
1/2" VHS, 15 min. This video reviews UK's three major research projects that are part of the SECUTC/UTC research program in 1989: transportation logistics and industry, life-line design of bridges, and large-stone asphalt mixes.
- AV-V411**      **Coal Transportation**  
Coal Operators and Associates, Inc.  
1/2" VHS, 9 min. Covers the safety issues for coal truck drivers and other motorists when sharing the highways.
- AV-V412**      **Law Enforcement Against Accidents; Kentucky Uniform Accident Report Form**  
Kentucky State Police  
1/2" VHS, 10 min., 50 min. Intended for law enforcement officers investigating and reporting accidents. Part One introduces the new accident report form which collects more data so the report is more accurate. Part Two explains how to complete the new Uniform Accident Report Form.
- AV-V413**      **Traffic Information Network, 20 Minute Traffic Ticker, Emergency Vehicles in Traffic, Reversible Lanes, Pedestrian**  
Lexington-Fayette Urban County Government  
01/01/1993  
\* 1/2" VHS; 89 min.  
Title continued: Safety, School Bus Awareness, Bicycle Safety, Ridesharing, Safety Management Systems. A series of programs averaging 10 minutes in length that focus on traffic management and safety programs in Lexington-Fayette County.
- AV-V414**      **Setting Speed Limits**  
Vermont Local Roads Program, Saint Michael's College  
01/01/1994  
1/2" VHS, 10 min. Accompanied by a guide. Explains the procedures for setting a reasonable and safe speed limit. A traffic engineering survey is conducted in which six factors are considered for determining the speed limit.
- AV-V415**      **Subsurface Utility Engineering: A Proven Solution**  
DOT FHWA; So-Deep Inc.; Kamber Group  
06/30/1995  
1/2" VHS, 16 min. Intended for mid-level and upper management highway

agency and utility personnel. The video describes the process for mapping underground utilities. The information is needed before the planning, designing, and construction of a project. Subsurface utility engineering can save money and time.

**AV-V416**

**Make Winter Driving Safer**

AAA Foundation for Traffic Safety

01/01/1982

\* 1/2" VHS, 13 min. Emphasizes proper techniques for anticipating and avoiding winter accidents due to skidding on ice and snow including how to recover from a skid. Outlines the precautions a driver should take to prepare his or her car for cold weather and shows the proper use of jumper cables.

**AV-V417**

**Driving in Bad Weather**

AAA Foundation for Traffic Safety

01/01/1994

\* 1/2" VHS, 9 min. This video dramatizes the blinding effects of dust, fog, smoke, rain, snow and ice and how to counter them while driving. Stresses the need to slow down to maintain control. Also presents tips on maintaining a car properly to better prepare for bad conditions. Comes with teacher's guide.

**AV-V418**

**Growing National Concern Regarding Transportation Development and Environmental Quality**

University of Kentucky

03/25/1994

1/2" VHS, 91 min. 1994 Transportation Roundtable Luncheon, Tom Deen, March 25, 1995. University of Kentucky Spindletop Hall. Tom Deen discusses the issues, trends, and needs concerning transportation development and environmental quality.

**AV-V419**

**Kentucky Transportation Center**

University of Kentucky News Services

06/01/1992

1/2" VHS, 47 min. A series of vignettes on the Kentucky Transportation Center describing the mission, programs, and functions of the Center. Includes an interview of Calvin Grayson, KTC director, and information on the Advanced Institute and TRANSPO.

**AV-V420**

**Future of Highways and Mass Transit**

National Press Foundation; C-SPAN

03/01/1991

\* 1/2" VHS, 106 min. A panel discussion on policy and financial issues on highways and transit as they relate to the recent surface transportation legislation. Other speakers: Harriet Parcels and Francis Francois.

**AV-V421**

**Driver's Certification Training Project**

University of Tennessee, Knoxville

1/2" VHS, 3 hr. 26 min. An overview and review of the requirements for the commercial vehicle drivers license. Includes a review of the vehicle inspection procedures.

- AV-V422**                    **AASHTO T-27: Sieve Analysis of Fine Aggregate, Sieve Analysis of Coarse Aggregate**  
Oklahoma Dept. of Transportation  
04/16/1988  
1/2" VHS, 28 min. Intended for researchers and laboratory personnel. A demonstration and explanation of the procedures of the AASHTO Test Method 27, sieve analysis of fine and coarse aggregate.
- AV-V423**                    **Work Zone Safety for Roadway Maintenance Operations on Rural Highways, Parts 1-7.**  
DOT FHWA  
01/01/1995  
1/2" VHS, 108 min. Includes an introduction, traffic control devices, traffic control zones, typical applications, flagging operations, legal liability, and a typical day. Training is for temporary traffic control for short term work sites.
- AV-V425**                    **Ultra-Thin Whitetopping: Today's Choice for Durable Pavement Overlays**  
National Ready Mixed Concrete Assn.; American Concrete Pavement Assn.  
\*1/2" VHS 8min. Accompanied by a brochure. Describes the process and advantages of ultra-thin concrete whitetopping. Two to four inches of high strength, fiber-reinforced concrete is placed over a specially prepared surface of distressed asphalt.
- AV-V426**                    **Sorry, I Didn't Hear That**  
Safety Short Production, Inc.  
01/01/1991  
\* 1/2" VHS, 5 min. Noise at the work site can impair our hearing. This video addresses the danger levels of noise and what can be done to protect our hearing.
- AV-V427**                    **Big Chill**  
Safety Short Production, Inc.  
01/01/1992  
\* 1/2" VHS, 5 min. Overexposure to cold can cause hypothermia, a life threatening condition. This video reviews the causes of hypothermia and the procedures to be taken when someone experiences hypothermia.
- AV-V428**                    **Reduce Accident Rates by as Much as 90%!; Dress Safe**  
Safety Short Production, Inc.  
01/01/1992  
\* 1/2" VHS, 10 min, 5 min. The first program describes the benefits of a safety program using Safety Shorts videos. The second program is about dressing properly for the job to prevent accidents and injuries.
- AV-V429**                    **Paradigm Principles**  
ChartHouse International  
01/01/1996  
\*1/2" VHS, 37 min. LOAN TO KTC STAFF ONLY. This video identifies when a change in paradigms is likely to occur, who will bring it, and how to capitalize on it. Accompanied by a manual.

- AV-V430**            **Light at the End of the Tunnel: The Eisenhower Tunnel Rehabilitation Project**  
 DOT-FHWA, Colorado Dept. of Transportation  
 01/01/1996  
 \*1/2" VHS, 9 min. Using innovative techniques, replacement concrete wall panels were installed in the Colorado Eisenhower Tunnel, while maintaining traffic flow.
- AV-V431**            **Paving the Way...to the 21st Century**  
 Asphalt Emulsion Manufacturers Assn.  
 01/01/1995  
 \*1/2" VHS, 11 min. Asphalt emulsion is a paving and maintenance material. This video covers the advantages as well as the production, storage, handling, and testing of asphalt emulsion.
- AV-V432**            **Asphalt Roadway Rehabilitation**  
 DOT-FHWA  
 1/2" VHS, 6 min. This video gives an overview of asphalt roadway rehabilitation and a course that is offered by the LTAP centers. The course is designed to help determine the proper rehabilitation alternative. Three types of rehabilitation are covered in the course: recycling, resurfacing, and surface treatment.
- AV-V433**            **Asphalt Paving Inspections**  
 DOT FHWA  
 01/01/1995  
 1/2" VHS, 60 min. This video has three parts: preliminary responsibilities, paving operation, and problems. Inspection throughout the process helps ensure a quality pavement.
- AV-V434**            **Chip Seal Application**  
 DOT-FHWA  
 1/2" VHS, 40 min. Chip seals give pavement a waterproof and skid resistance surface. This video covers preliminary concerns, chip seal procedures, and chip seal problems.
- AV-V435**            **Problems with Gravel Roads**  
 DOT-FHWA  
 1/2" VHS, 55 min. This video looks at the causes of gravel road problems and the best ways to prevent and correct the problems. The video also addresses the environment, materials, maintenance equipment and techniques.
- AV-V436**            **Sign Maintenance and Installation**  
 DOT-FHWA  
 1/2" VHS, 27 min. This video covers procedures for tracking and prioritizing sign maintenance, traffic control devices, and field operations.
- AV-V437**            **General Welding Safety and Tank Repair**  
 Michigan Technological University  
 01/01/1995  
 \* 1/2" VHS, 52 min. Covers fire hazards, hazard prevention, extinguishing

fires, body and eye protection, explains various non-welding methods of tank repair and the proper procedure for the dangerous task of welding or cutting a tank.

- AV-V438**      **Gas Welding and Metal Identification**  
Michigan Technological University  
01/01/1995  
\* 1/2" VHS, 87 min. Explains the proper maintenance of gas welding equipment and regular setup. Demonstrates techniques for cutting various types of metal stock, fusion welding and brazing. The metal identification section demonstrates metal identification using chemicals, flame, or the spark test.
- AV-V439**      **Arc Welding**  
Michigan Technological University  
01/01/1995  
\* 1/2" VHS, 50 min. Explains how an arc welder works (AC and DC), welder setup, and special safety issues. Describes the narrow electrodes and their uses.
- AV-V440**      **Asphalt-PASER: Pavement Surface Evaluation and Rating**  
Michigan Technological University  
01/01/1995  
\* 1/2" VHS, 46 min. This tape gives an overview of surface management for asphalt pavement. Discusses surface evaluation and distress, and presents a method for rating pavement.
- AV-V441**      **Teacher's Introduction to TRAC; Not So Wild a Dream**  
AASHTO  
01/01/1993  
\* 1/2" VHS, 10 min, 21 min. TRAC is an educational program to excite high school students about math and the sciences, using real world applications in the fields of engineering and transportation. Accompanied by a folder, 'AASHTO/TRAC Program'. The second program encourages minorities to study the sciences, by interviewing professional scientists, who are minorities.
- AV-V442**      **Today's Reality: ITS in America**  
ITS America  
01/01/1995  
\* 1/2" VHS, 10 min. This video highlights North America's best examples of successful Intelligent Transportation Systems (ITS) deployment across a broad range of technology applications.
- AV-V443**      **Love and Profit: The Art of Caring Leadership**  
Excellence in Training Corporation  
01/01/1993  
\* 1/2" VHS, 33 min. LOAN TO KTC STAFF ONLY. Gain insight into how to lead others with honesty, trust, special treatment, and courage. Includes book, participant workbook, and training leader's guide.
- AV-V444**      **How to Resolve Conflict on the Job**

Communication Briefings

01/01/1994

\*1/2" VHS, 16 min. This video demonstrates ways to manage conflict so that goals can be achieved. Interpersonal communication skills are presented to help co-workers reach consensus to resolve conflicts.

**AV-V445**

**How to Design Eye-Catching Brochures, Newsletters, Ads, Reports and Everything Else You Want People to Read**

CareerTrack, Inc.

01/01/1995

\*1/2 "VHS, 46 min, 44 min, 54 min, 55 min. (4 Vol.'s). Vol.1: Graphically Speaking: The Three Stages of Readership. Vol.2: Function Follows Form: Creating Layouts to Serve a Purpose. Vol.3: Just Your Type: Using Text as a Design Element. Vol.4: Overcoming "Deadline Dilemma": How to Kick-Start Your Creative Process. Accompanied by manual (Z283.C44 1995)

**AV-V446**

**Roadway Design: Balancing Safety, Environment and Cost**

Minnesota Dept. of Transportation

09/01/1995

\*1/2"VHS, 13 min. Three important factors should be considered when constructing or rebuilding a roadway: safety, environmental protection, and cost. Cooperation between engineers and citizens can create a design that balances these three factors.

**AV-V447**

**Protective Equipment**

Safety Short Production, Inc.

01/01/1990

\*1/2" VHS, 5 min. Stresses the importance of wearing personal protective gear such as hard hats, safety shoes, eye protection, gloves, and other equipment.

**AV-V448**

**Tag, You're It**

Safety Short Production, Inc.

01/01/1992

\*1/2" VHS, 5 min. Shutting down and locking out machinery prior to making repairs is an important safety procedure. Lock out/tag out procedures are shown.

**AV-V449**

**Handling the Heat**

Safety Short Production, Inc.

01/01/1992

\*1/2" VHS, 5min, Heat Stress can be a problem in the workplace. This video explains how to recognize heat stress and offers some remedies.

**AV-V450**

**Hand and Power Tool Safety**

Long Island Productions, Inc.

01/01/1992

\*1/2" VHS, 7 min. This video covers the safe and proper use of hand and power tools.

**AV-V451**

**Confined Space Entry: The Final Regulation**

Long Island Productions, Inc.

01/01/1993

\*1/2" VHS, 20 min. This video covers the types of hazards occurring in confined spaces as well as the basic procedures for entering confined spaces.

**AV-V452**

**Tree Trimming Safety**

Long Island Productions, Inc.

\*1/2" VHS, 19 min. This video covers the hazards and the safe use of equipment needed to trim trees, including ladders and chain saws. Proper tree trimming procedures are also covered.

**AV-V453**

**Hard Hat Safety**

Long Island Productions, Inc.

\*1/2" VHS, 5 min. Stresses the importance of wearing hard hats for the safety and protection of workers.

**AV-V454**

**On the Road to Equality: Women in Highway Construction**

DOT FHWA

1/2" VHS, 33 min. This video covers the opportunities for women in highway construction. Current conditions and legislation are also covered. The video is also useful as a recruiting tool.

**AV-V455**

**Understanding Superpave Mix Design**

National Asphalt Pavement Assn.; DOT FHWA

12/01/1995

\*1/2" VHS, 13 min. This video describes Superpave which is a performance based asphalt mix design. Superpave has new binder specifications and performance graded ratings. The binder requirements, aggregate properties, volumetric properties, and new compaction method are described.

**AV-V456**

**What is ARTIMIS? Advanced Regional Traffic Interactive Management and Information System**

Kentucky Transportation Cabinet; Ohio DOT

01/01/1996

\*1/2" VHS, 10 min. A Traffic Management System in Cincinnati, Ohio and Northern Kentucky that uses sensors, video cameras, changeable message signs, and highway advisory radio to monitor the freeways, report incidents, and help traffic flow.

**AV-V457**

**ARTIMIS**

Kentucky Transportation Cabinet

09/23/1995

\*1/2" VHS, 10 min. A traffic management system in Cincinnati, Ohio and Northern Kentucky.

**AV-V458**

**Minnesota Local Road Research Board**

Minnesota Local Road Research Board

09/01/1995

\*1/2" VHS, 12 mins. Provides an overview of the history and function of the Minnesota Local Road Research Board. Intended audience is the public engineering community.

- AV-V459**            **Recognizing Drug Abuse: A Supervisor's Guide to Identifying Drug Abuse in Drivers**  
American Trucking Associations, Inc.; STA United, Inc.  
01/01/1994  
\*1/2" VHS, 62 min. This video describes the effects of drugs on the body, the indicators of abuse, and what to do if drug abuse occurs. This video addresses marijuana, cocaine, pcpc, amphetamine, and opiates.
- AV-V460**            **Recognizing Alcohol Abuse: A Supervisor's Guide to Identifying Alcohol Abuse in Drivers**  
American Trucking Associations, Inc.  
01/01/1994  
\*1/2" VHS, 62 min. This video addresses the effects of drinking and driving. Specifically, the video covers the nature of alcohol, how to identify alcohol abuse or misuse, and what the supervisor should do.
- AV-V461**            **Slips, Trips and Falls**  
Coastal Video Communications Corp.  
01/01/1995  
\*1/2" VHS, 5 min. This video covers the causes of slips, trips, and falls and what to do to avoid them. Ladder safety is included.
- AV-V462**            **Head Protection**  
Coastal Video Communications Corp.  
01/01/1995  
\*1/2" VHS, 5 min. The impacts of head injuries are covered as well as hard hats and their proper wear and care.
- AV-V463**            **Portable Fire Extinguishers**  
Coastal Video Communications Corp.  
01/01/1993  
\*1/2" VHS, 4 min. Covers the types of fire extinguishers and how to use them.
- AV-V464**            **Fire Prevention**  
Coastal Video Communications Corp.  
01/01/1994  
\*1/2" VHS, 5 min. Fire prevention measures include identifying fire hazards and knowing your organization's fire prevention plan.
- AV-V465**            **Training Made Easy**  
Planner Press; American Planning Assn.  
01/01/1994  
\*1/2" VHS, 15 min. Seven training principles and additional tips are presented to ensure lively, effective, and instructive training. Accompanies the manual: "Planning Made Easy." (HT167.T66 1994)
- AV-V466**            **Earthquake: A Matter of Time**  
Kentucky Educational Television; Kentucky Network  
01/01/1990  
\*1/2" VHS, 87 min. This video addresses the New Madrid fault and earthquake preparedness. Planning strategies for school, work, community, and home are

given. Followed by a panel discussion.

- AV-V467**      **Back Safety Training Timeout**  
Coastal Video Communications Corp.  
01/01/1994  
\*1/2" VHS, 5 min. Video covers proper lifting techniques and the importance of exercise and good general fitness
- AV-V468**      **Communicating Your Public Works Image with Power**  
American Public Works Assn.  
01/01/1996  
5 tapes, 1/2" VHS. Accompanied by a Student's Manual. A program that addresses the identification of constituencies, how to target and send messages to them, and how to deal with media professionals.
- AV-V469**      **Traffic Control: What Works?**  
Minnesota Local Road Research Board  
09/01/1996  
\*1/2" VHS, 14 min. Demonstrates how traffic engineers develop reasonable, research-based traffic control strategies and choose the appropriate traffic control devices. The video addresses stop signs, yield signs, and speed limit signs. Also published by Minnesota Dept. of Transportation.
- AV-V470**      **Right-of-Way Mowing Safety**  
Video Information System Training Associates, Inc.  
01/01/1996  
\*1/2" VHS, 23 min. Filled with practical advice on ways to avoid accidents for mower operators, bystanders and the driving public. Part I - Pre-start inspection and maintenance advice. Part II - A variety of mowing applications from the operator's seat.
- AV-V471**      **Secrets of Lost Empires: Inca**  
WGBH Educational Foundation  
01/01/1997  
\*1/2" VHS, 60 min. An exploration into construction techniques used by the Incas in building their structures and suspension bridges.
- AV-V472**      **Newton's Apple Salutes Engineers**  
Newton's Apple; National Engineers Week  
1/2" VHS, 64 min. Seven segments that show different aspects of engineering. Includes bridge design, domed stadiums, navigation dams, glass recycling, airplane fire fighting, and artificial joints.
- AV-V473**      **Along for the Ride: Safer Bicycling for Everyone**  
DOT FHWA  
01/01/1994  
\*1/2" VHS, 17 min. Reviews bicycle safety: wear a helmet, follow the rules of the road, be visible, share the road. Accompanied by a brochure (DOT-HS-807-832)
- AV-V474**      **Utility Cuts in Paved Roads, Part 1 and 2**

Local Technical Assistance Program  
\*1/2" VHS, 41 min. Addresses utility cut problems due to poor methods or poor management. Shows the proper procedures for utility cuts and the related pavement repair.

- AV-V475**      **Preservation of Oregon's Historical Coastal Bridges**  
Oregon Dept. of Transportation  
\*1/2" VHS, 29 min. The Oregon Dept. of Transportation is trying to preserve their historic coastal bridges through rehabilitation and cathodic protection. Accompanied by a brochure.
- AV-V476**      **Making Safer Roads**  
Insurance Institute for Highway Safety  
01/01/1996  
\*1/2" VHS, 12 min. Addresses roadside hazards found mostly on rural secondary roads. Solutions include clear zones, safety barriers, energy absorbing crash cushions, and break away poles.
- AV-V477**      **It Always Happens to the Other Guy**  
John Deere; National Safety Council  
\*1/2" VHS, 21 min. Reviews the safe operation of heavy construction equipment.
- AV-V478**      **Safety Training for Repair Technicians**  
Video Information System Training Associates, Inc.  
01/01/1996  
\*1/2" VHS, 21 min. Reviews safety procedures and personal protective equipment to prevent eye, hand, and back injuries.
- AV-V479**      **School Zone Safety**  
Montana State University; Montana Dept. of Transportation  
01/01/1995  
\*1/2" VHS, 20 min. This video addresses school age pedestrian safety. It reviews the equipment and duties of school crossing supervisors, school zone standards, and instructing children on safe crossings.
- AV-V480**      **Anti-Icing for Maintenance Personnel**  
U.S. Army Cold Regions Research and Engineering Laboratory  
\*1/2" VHS, 13 min. Covers the following anti-icing tools: materials, equipment, personnel, and strategy.
- AV-V481**      **What is Anti-Icing?**  
U.S. Army Cold Regions Research and Engineering Laboratory  
\*1/2" VHS, 9 min. Anti-icing prevents a strong bond between the ice and the pavement resulting in savings of cost, personnel time, materials, and the environment.
- AV-V482**      **Unrestrained Motorists: The Cost to Your Community**  
DOT NHTSA  
\*1/2" VHS, 8 min. Stresses the importance of wearing safety belts and the costs incurred from accidents when safety belts are not worn. Also, emphasizes

safety programs that result in higher use of safety belts.

- AV-V483**      **Ready...Set...Winter! Driving Safely on Ice and Snow**  
General Motors; AAA Foundation for Traffic Safety  
12/01/1996  
\*1/2" VHS, 13 min. Accompanied by a facilitator's guide. Provides an overview of how to prepare the vehicle for harsh, winter weather, describes several driving situations that require special attention, and explains how to handle common winter driving problems.
- AV-V484**      **Flagger Training for Construction, Maintenance & Utility Operations**  
North Carolina State University  
01/01/1996  
\*1/2" VHS, 23 min. "Flagging Operations and Procedures", Instructor's Guide, Flagger's Handbook, and Problem Worksheets. Covers the proper flagging procedures in different work zone situations.
- AV-V485**      **Basic Work Zone Safety Training**  
North Carolina State University  
09/01/1996  
\*1/2" VHS, 23 min. Video: Flagging Operations and Procedures (SCDOT); Booklets: Guidelines for Construction, Maintenance, and Utility Operations; Instructor's Guide; Student Manual.
- AV-V486**      **Utility Cut Repair: Doing it Right**  
Minnesota Local Road Research Board  
09/01/1996  
\*1/2" VHS, 11 min. The video shows the proper procedure for making utility cut repairs.
- AV-V487**      **Fundamentals of Quality Concrete**  
Portland Cement Assn.  
01/01/1988  
\*1/2" VHS, 17 min. An introduction to the essential requirements of quality concrete. It describes how each requirement, from the selection of the materials to final curing affects the quality of the concrete. Accompanied by a leader's guide.
- AV-V488**      **Bridge Evaluation and Posting**  
North Carolina State University  
01/01/1993  
\*1/2" VHS, 38 min. Divided into five modules, the video covers bridge inspection and evaluation as well as explains the purpose of bridge weight limit postings.
- AV-V489**      **America in Jeopardy: Drugs in the Workplace**  
Video Information System Training Associates, Inc.  
01/01/1997  
\*1/2" VHS, 20 min. Case studies of people that have taken drugs or alcohol and its impact on safety and job performance.

- AV-V490**                    **Construction Management Systems Series**  
 DOT FHWA; International Road Federation  
 01/01/1997  
 \*1/2" VHS, 95 min. (19 min. for each segment). This program provides a basic overview and identifies the basic functions of a construction management system (CMS). The major elements of the CMS are: planning and staffing, budgeting, scheduling, monitoring, and system updating.
- AV-V491**                    **Contract Maintenance Series**  
 DOT FHWA; International Road Federation  
 01/01/1997  
 \*1/2" VHS, 60 min. (20 min. per segment). This program covers contract maintenance: what it is and why it is used.
- AV-V492**                    **Highway Management Series, Part 1**  
 DOT FHWA; International Road Federation  
 01/01/1997  
 \*1/2" VHS, 87 min. (20-23 min. per segment). This program introduces highway management systems, pavement management systems (PMS), and covers PMS data collection, and developing and implementing pavement management.
- AV-V493**                    **Highway Management Series, Part 2**  
 DOT FHWA; International Road Federation  
 01/01/1997  
 \*1/2" VHS, 101 min. (18-22 min. per segment). This program gives an overview of maintenance management systems (MMS), and also includes developing maintenance standards, work planning process, work authorization and scheduling, and work reporting and evaluation.
- AV-V494**                    **Traffic Safety Series**  
 DOT FHWA; International Road Federation  
 01/01/1997  
 \*1/2" VHS, 59 min. (19-20 min. per segment). This program outlines the system for identifying and solving highway safety problems.
- AV-V495**                    **Equipment Management Systems Series**  
 DOT FHWA; International Road Federation  
 01/01/1997  
 \*1/2" VHS, 114 min. (19 min per segment). 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.
- AV-V496**                    **Low Volume Roads Series**  
 DOT FHWA; International Road Federation  
 01/01/1997  
 \*1/2" VHS, 38 min.(19 min per segment). This program covers the basics of setting maintenance priorities for rural roads. It also covers the basics of managing maintenance for low-volume roads, including maintenance activities, road and bridge inventory, work planning, labor or equipment programming, scheduling, budgeting and work monitoring.

- AV-V497**                    **Technology Transfer Series**  
 DOT FHWA; International Road Federation  
 01/01/1997  
 \*1/2" VHS, 43 min. (19 min, 24 min). This program covers the proper steps for effective transfer and the basic procedures for establishing an effective technology transfer program.
- AV-V498**                    **Super Bridge**  
 WGBH Education Foundation; Peace River Films  
 01/01/1997  
 \*1/2" VHS, 120 min. The Clark Bridge, spanning the Mississippi River at Alton, Illinois, is a cable-stayed design. This video follows the four-year construction of the bridge and the challenges that were met.
- AV-V499**                    **Backhoe Loader: Pre-Start Inspection**  
 Video Information System Training Associates, Inc.  
 01/01/1992  
 \*1/2" VHS, 12 min. A good daily pre-start inspection keeps the machine running reliably all day long.
- AV-V500**                    **Backhoe Loader: Safe Operating Techniques**  
 Video Information System Training Associates, Inc.  
 01/01/1992  
 \*1/2" VHS, 15 min. This video provides safe operating practices for the backhoe loader in a variety of situations and uses.
- AV-V501**                    **Backhoe Loader: Maintenance & Transport**  
 Video Information System Training Associates, Inc.  
 01/01/1992  
 \*1/2" VHS, 9 min. This video covers the correct and safe maintenance and transport methods for the backhoe loader.
- AV-V502**                    **Snow Removal Techniques: Plowing Tips from the Pros**  
 Video Information Systems Training Associates, Inc.  
 01/01/1997  
 \*1/2" VHS, 23 min. This video covers the safe and efficient plowing techniques for different conditions and situations.
- AV-V503**                    **Safe and Efficient Operation of Hand-Held Cutoff Saws**  
 Video Information System Training Associates, Inc.  
 01/01/1997  
 \*1/2" VHS, 18 min. This video demonstrates the safe and effective methods of operation in a variety of applications.
- AV-V504**                    **Fit to Be Tied: Retrofitting PCC Pavement with Dowel Bars, Dowel Bar Insertion for Load Transfer at Mid Panel Crack,**  
 DOT FHWA; Washington State Dept. of Transportation  
 \*1/2" VHS, 52 min. Title Cont'd: Retrofitted Load Transfer Devices. This video covers the rehabilitation and retrofitting of PCC pavement with dowel bars for load transfer.

- AV-V505**            **Hand and Wrist Injuries**  
 Long Island Productions Inc.  
 01/01/1992  
 \*1/2" VHS, 7 min. Covers hand and wrist injuries such as sprains, strains, cuts, lacerations, and fingertip injuries. The medical care for each injury is also covered.
- AV-V506**            **Forklift Safety**  
 Long Island Production  
 01/01/1994  
 \*1/2" VHS, 12 min. Covers proper operating requirements and safety tips for forklifts.
- AV-V507**            **Landscape Maintenance**  
 Long Island Productions  
 01/01/1988  
 \*1/2" VHS, 17 min. Covers proper attire and PPE; mower/string trimmer use and maintenance; other hazards such as chemicals and snakes; safety for chain saws and chippers.
- AV-V508**            **Foot Protection**  
 Long Island Productions  
 \*1/2" VHS, 6 min. Covers foot injuries and the various types of shoes to protect your feet.
- AV-V509**            **Lockout/Tagout of Construction Equipment**  
 Video Information System Training Associates, Inc.  
 \*1/2" VHS, 18 min. Demonstrates safe work practices in mobile equipment repairs. The video provides step-by-step procedures for lockout/tagout and for controlling hazardous energy releases.
- AV-V510**            **Ergo Kinetics: Smart Moves for Office Ergonomics**  
 Bureau of Business Practice  
 01/01/1995  
 \*1/2" VHS, 17 min. Includes Supervisory video, Supervisory Leader's Guide, and Supervisory Workbook. An introduction to ergonomics and specific types of injuries and illnesses due to poor ergonomic design and work practices. Also covers the four elements of an ergonomics program and practical tips for making the office work more user friendly.
- AV-V511**            **Outdoor Safety: Critters and Plants**  
 Safety Short Production, Inc.  
 01/01/1992  
 \*1/2" VHS, 5 min. This video covers outdoor safety as it relates to poisonous plants and animals.
- AV-V512**            **Violence in the Workplace**  
 Safety Short Production, Inc.  
 01/01/1992  
 \*1/2" VHS, 5 min. Violence in the workplace is increasing. The video covers the signs of potential violence and what to do.

- AV-V513**            **Riding on Rolling Stock**  
Safety Short Production, Inc.  
01/01/1992  
\*1/2" VHS, 5 min. Riding as a passenger on rolling stock or construction equipment is dangerous and can result in injury or death.
- AV-V514**            **Heat Can Kill**  
Safety Short Production, Inc.  
01/01/1988  
\*1/2" VHS, 5 min. Heat stroke and heat exhaustion can occur in any type of hot working environment. The symptoms of each are described and the proper first aid treatment is outlined.
- AV-V515**            **Sexual Harassment: Your Rights & Responsibilities**  
Safety Short Production, Inc.  
01/01/1992  
\*1/2" VHS, 5 min. Sexual harassment in the workplace is illegal. The video illustrates the laws and offers suggestions for preventing sexual harassment on the job.
- AV-V516**            **Slip, Slop & Slap**  
Safety Short Production, Inc.  
01/01/1992  
\*1/2" VHS, 5 min. Those that work outdoors are exposed to the risk of skin cancer. The video covers recognizing the disease and simple preventative measures.
- AV-V517**            **Medical Emergencies in the Workplace I: Life-Sustaining Response**  
Bureau of Business Practice, Prentice Hall  
01/01/1992  
\*1/2" VHS, 14 min. Includes a Leader's Guide. This video is meant to increase awareness of what can happen during medical emergencies and how to respond. Viewers are encouraged to take a formal first-aid/CPR class.
- AV-V518**            **Aviation in Kentucky: An Economic Success Story**  
Kentucky Transportation Cabinet  
\*1/2" VHS, 9 min. This video shows how aviation impacts business, tourism, industry, and economic development in Kentucky.
- AV-V519**            **Walk!**  
DOT FHWA  
\*1/2" VHS, 12 min. This video discusses the benefits of walking, pedestrian safety, and the hazards pedestrians encounter. It also covers planning for new or improved sidewalks.
- AV-V520**            **When Lightning Strikes**  
Safety Short Productions  
01/01/1991  
\*1/2" VHS, 5 min. Reviews safety procedures when lightning is around.
- AV-V521**            **Driving Defensively I**

Safety Short Productions  
01/01/1991  
\*1/2" VHS, 5 min. Drivers are reminded of the dangers in daily driving routines. See also video 522.

**AV-V522**      **Driving Defensively II**  
Safety Short Productions  
01/01/1991  
\*1/2" VHS, 5 min. This video explains ways in which accidents can be prevented by driving defensively.

**AV-V523**      **How to Prepare for an OSHA Inspection**  
Safety Short Production  
01/01/1998  
\*1/2" VHS, 5 min. OSHA is authorized to conduct workplace inspections to enforce its safety and health standards. One should know and follow all safety rules and regulations for work.

**AV-V524**      **Safety Is Your Responsibility**  
Safety Short Production, Inc.  
01/01/1997  
\*1/2" VHS, 5 min. Safety begins with the right attitude. Personal problems brought to the workplace can create a dangerous situation.

**AV-V525**      **On Any Given Day**  
Safety Short Production, Inc.  
01/01/1994  
\*1/2" VHS, 5 min. Accidents can happen any place, at any time, often without any warning. By being more alert and cautious, many accidents can be prevented. Suggested ways to improve safety are covered.

**AV-V526**      **Timing Is Everything**  
Safety Short Production, Inc.  
01/01/1990  
\*1/2" VHS, 5 min. Workers are alerted to the potential dangers of shift work and how to avoid accidents.

**AV-V527**      **Protecting Our Pavement: Preventive Maintenance**  
DOT FHWA  
\*1/2" VHS, 14 min. The video discusses preventive pavement maintenance, specifically techniques and training, improved planning methods, and dedicated funding.

**AV-V528**      **Mayday Emergency Notification System Development**  
Enterprise Group  
09/01/1996  
\*1/2" VHS, 10 min. As part of the Intelligent Transportation System, the video covers the development of in-vehicle GPS and communication systems that call for assistance in case of an emergency or accident.

**AV-V529**      **Divided Highways: The Interstate and the Transformation of American**

**Life**

Films for the Humanities & Sciences

01/01/1997

\*1/2" VHS, 85 min. This program is about the Interstate Highway System. It describes the history, construction, and impacts of it.

**AV-V530**

**Low Speed Automobile Accidents: Accident Reconstruction and Occupant Kinematics, Dynamics and Biomechanics**

Lawyers & Judges Publishing Co.

01/01/1996

\*1/2" VHS, 10 min. Comes with book of same name. Provides information on the interpretation and reconstruction of low speed (under 30 mph) accidents and occupant injury.

**AV-V531**

**Asphalt Emulsions and Their Uses**

Asphalt Emulsions Manufacturers Assn.; Asphalt Institute

01/01/1997

\*1/2" VHS, 15 min. This video addresses new technologies and shows various uses of asphalt emulsions.

**AV-V532**

**Hot Mix Asphalt is the Best Buy...All of the Time**

Asphalt Institute; National Asphalt Pavement Assn.

01/01/1997

\*1/2" VHS, 8 min. This video highlights the advantages of asphalt pavements. The video shows that asphalt is durable, economical, easily maintained, 100% recyclable, smooth, quiet, and safe.

**AV-V533**

**Design and Installation of Buried Pipes**

American Society of Civil Engineers

01/01/1998

\*1/2" VHS, 42 min. Accompanied by a Resource Book. This video is about pipe types and soil types and how, through good design and installation, they interact to form effective pipe-soil systems.

**AV-V534**

**Professional Image**

Long Island Productions

01/01/1993

\*1/2" VHS, 20 min. Eliminate employee guesswork about appropriate work habits and attire. Encourage development of professional skills and a successful business image. Covers wardrobe and grooming tips, office gossip, telephone etiquette, verbal and non-verbal communication, and maintaining a professional environment.

**AV-V535**

**Business Ethics**

Long Island Productions

01/01/1994

\*1/2" VHS, 19 min. This video presents for discussion common ethical challenges of the business world, covers personal morals vs. business ethics, self awareness of own ethical stance, and guidelines for making ethical decisions.

- AV-V536**            **Using Snow Plows on Motorgraders**  
 DOT FHWA  
 01/01/1998  
 \*1/2" VHS, 16 min. Details the correct way to attach snow plows to motorgraders and basic information on using snow plows. The video addresses three different types of plows: front single, v-plow, and the wing plow.
- AV-V537**            **Importance of Road Drainage**  
 DOT FHWA  
 01/01/1998  
 \*1/2" VHS, 19 min. This video discusses the roadway considerations (including surface and drainage maintenance) 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.
- AV-V538**            **Equipment Management Systems (EMS)**  
 DOT FHWA  
 01/01/1998  
 \*1/2" VHS, 18 min. This video discusses the various elements of an equipment management system, including shop management, inventory control, fluid dispensing, and financial control.
- AV-V539**            **Presenting Vital Signs: The Case for Community Transit**  
 Kentucky Public Transit Assn.  
 01/01/1997  
 \*1/2" VHS, 10 min. This video examines public transit and its inexorable connection to the community. The film is a compilation of personal success stories told by the riders who depend on this service.
- AV-V540**            **Developing Positive Behavior**  
 Training Network Inc.  
 01/01/1996  
 \*1/2" VHS, 18 min. The video is intended to help employees with improvement in punctuality, attitude and getting along with others, responsibility for deadlines and work, and communication.
- AV-V541**            **Portions of Snow and Ice Program (Anti-Icing Workshop)**  
 Kentucky Transportation Center  
 11/13/1996  
 \*1/2" VHS, 180 min. A workshop on snow and ice control held in Lexington, KY on November 13, 1996.
- AV-V542**            **Strategies for Urban Wet Weather Management**  
 American Public Works Assn.  
 01/01/1998  
 \*1/2" VHS. 4 tapes. This APWA teleconference is on urban wet weather management. It addresses the regulatory program and four case studies.
- AV-V543**            **Privatizing Public Works Services**  
 American Public Works Assn.; University of Wisconsin-Madison  
 07/19/1995

\*1/2" VHS, 190 Min. Tape 1, 100 min. Tape 2, 90 min. Accompanied by a workbook. Covers all aspects of the privatization of public works.

- AV-V544**      **Civil Engineering: Check It Out; Make It Happen; Back to the Future, Please**  
University of Arkansas  
01/01/1998  
\*1/2" VHS, 15 min. 5 min. per program. Designed to show and explain to children and young people what civil engineers do.
- AV-V545**      **Engineering Ethics: The Case of Challenger**  
Center for Advancement of Applied Ethics; et al  
01/01/1993  
\*1/2" VHS, 29 min. Using the case of Challenger, the video addresses ethics and some of the associated issues.
- AV-V546**      **Planning for a Transit Friendly Community**  
Miami Valley Regional Transit Authority  
01/01/1998  
\*1/2" VHS, 11 min. This video looks at how good transit planning meets the mobility needs of the public. Good transit planning addresses access to other modes of transportation, convenient bus stops, and facilities.
- AV-V547**      **Night to Remember: Washington Celebrates the 40th Anniversary of the Interstate**  
Interstate Highway Commemorative Fund  
06/26/1996  
\*1/2" VHS, 41 min. A commemoration and review of the U.S. Interstate Highway System. See the manual: "Interstate Highway System 40th Anniversary" and the video: "Best Investment a Nation Ever Made."
- AV-V548**      **Best Investment a Nation Ever Made: A Call to Action**  
American Highway Users Alliance  
01/01/1996  
\*1/2" VHS, 11 min. This video covers the history, impacts, and benefits of the U.S. Interstate Highway System. The Highway Trust Fund is also discussed. See also the manual: "Interstate Highway System 40th Anniversary" and the video: "Night to Remember."
- AV-V549**      **Deposition**  
Pennsylvania Dept. of Transportation  
07/01/1991  
\*1/2" VHS, 17 min. A dramatization giving examples of the correct way to respond to questions. Attention is given to the questioning tactics attorneys might use.
- AV-V550**      **Resilient Modulus Executive Summary: Is This the Right Time?**  
DOT FHWA  
01/01/1998  
\*1/2" VHS, 8 min. This video explains resilient modulus and why it is important to adopt the resilient modulus test procedure. The video is intended

for administrators and engineers.

- AV-V551**                    **Resilient Modulus Startup and Quality Control Procedures**  
DOT FHWA  
01/01/1998  
\*1/2" VHS, 15 min. This video begins with a detailed definition of resilient modulus. It then explains the procedure developed under the LTPP program to ensure that a laboratory is set up properly and that test results are comparable regardless of where or when they were obtained. (For laboratory managers and technicians)
- AV-V552**                    **Resilient Modulus Sample Preparation and Test Procedures**  
DOT FHWA  
01/01/1998  
\*1/2" VHS, 13 min. This video, intended for managers and technicians, describes each of the steps in the resilient modulus test procedure, including how to prepare soil and aggregate samples.
- AV-V553**                    **Learn How to Use Netscape Navigator**  
Netscape Communications Corporation  
01/01/1995  
\*1/2" VHS, 60 min. This video will help you master basic Internet browsing techniques. It provides essential Netscape Navigator tips and the relationship between your computer and the Internet.
- AV-V554**                    **ISTEA to TEA-21: The New Transportation Law**  
National Assn. of Counties  
09/23/1998  
\*1/2" VHS, 2 hrs. This teleconference video covers the components of the new law, and its effects on counties. Programs that obtained their fair share of funding is also covered.
- AV-V555**                    **New Way of Planning: Comprehensive Plan and Related Documents**  
Lexington-Fayette Urban County Government  
10/01/1998  
1/2" VHS, 15 min. This video describes land-use planning for Lexington and Fayette County, Kentucky. It covers urban and rural planning, preservation and development, neighborhood planning and comprehensive planning.
- AV-V556**                    **Chemical Burns**  
Safety Short Production, Inc.  
01/01/1992  
\*1/2" VHS, 5 min. Victims of chemical burns require immediate special attention. Chemical burns and first aid treatment are shown.
- AV-V557**                    **Workplace Fatalities: Most Common Causes**  
Safety Short Production, Inc.  
01/01/1992  
\*1/2" VHS, 5 min. Every year, thousands of workers die from job-related accidents. To improve on-the-job safety, learn the common causes of accidents and be alert for hazards.

- AV-V558**            **Barricade Safety: The Forbidden Zone**  
 Safety Short Production, Inc.  
 01/01/1992  
 \*1/2" VHS, 5 min. Serious injuries can be avoided when barricades are properly observed. Tips are offered on barricade safety, off and on the job.
- AV-V559**            **Beating a Blowout**  
 Safety Short Production, Inc.  
 01/01/1992  
 \*1/2" VHS, 5 min. When a tire blows, proper action by the driver can prevent a more serious accident. This video outlines the simple but important rules to follow when a blowout occurs.
- AV-V560**            **Just Horsing Around**  
 Safety Short Production, Inc.  
 01/01/1992  
 \*1/2" VHS, 5 min. Joking around on the job is no laughing matter, as this video shows.
- AV-V561**            **Sharing the Road**  
 AAA Foundation for Traffic Safety  
 01/01/1994  
 \*1/2" VHS, 7 min. This video helps motorists understand the special concerns and dangers faced by pedestrians, truck drivers, motorcyclists, bicyclists, and ambulance drivers.
- AV-V562**            **Managing Space and Time for Safe Driving**  
 AAA Foundation for Traffic Safety  
 01/01/1996  
 \*1/2" VHS, 8 min. This video illustrates how good drivers continually adjust their driving to maintain a safe space cushion in traffic. It emphasizes the need for maintaining a safe following distance and the active use of your eyes to know what is going on all around.
- AV-V563**            **Dangerous Crossings: A Second Thought**  
 Automobile Club of Michigan  
 01/01/1994  
 \*1/2" VHS, 17 min. This video shows the tragic consequences that can result when people fail to yield at railroad crossings. The danger involved is made clearer through the voices of those affected.
- AV-V564**            **Foot Closer to Safety**  
 Safety Short Production, Inc.  
 01/01/1992  
 \*1/2" VHS, 5 min. A worker's feet are two of his or her most important possessions. The necessity of proper foot protection and basic safety shoe types are explained.
- AV-V565**            **Flashburn**  
 Safety Short Production, Inc.

01/01/1992

\*1/2" VHS, 5 min. Flashburn to the eye can result when ultraviolet rays emitted by an arc welder are absorbed into the eye's cornea. Viewers are shown the damaging effects of flashburn and prevention methods.

**AV-V566**

**One Breath Away**

Safety Short Production, Inc.

01/01/1992

\*1/2" VHS, 5 min. One breath, that's all it takes to die from hydrogen sulfide poisoning. Working at job sites where the highly toxic gas is found demands extra safety efforts on the part of all workers.

**AV-V567**

**Back Belts**

Safety Short Production, Inc.

01/01/1992

\*1/2" VHS, 5min. Back belts can help reduce lifting-related back injuries, but they have to be used correctly. The proper and improper uses of back belts are illustrated.

**AV-V568**

**Where Are Your Hands?**

Safety Short Production, Inc.

01/01/1992

\*1/2" VHS, 5 min. Hand injuries account for a major portion of on-the-job accidents in today's workplace. This video outlines the "do's" and "don'ts" of hand safety.

**AV-V569**

**Eye Injuries**

Safety Short Production, Inc.

01/01/1992

\*1/2" VHS, 5 min. Injuries to the eye can happen in an instant. This video graphically depicts injuries that can be suffered when proper eye protection is ignored.

**AV-V570**

**Shock Hazards: Power Tools**

Safety Short Production, Inc.

08/01/1997

\*1/2" VHS, 5min. Improperly used or maintained power tools can injure or kill. Learn simple ways to prevent shock from power tools.

**AV-V571**

**Understanding the Vibratory Roller**

National Asphalt Pavement Assn.

\*1/2" VHS, 19 min. This video provides clear instructions on how to operate and maintain a vibratory roller. It illustrates how a vibratory roller differs from a static roller, and how it impacts the asphalt. Amplitude, frequency, dynamic force, and calculations for maximum efficiency are all clearly explained and illustrated.

**AV-V572**

**Handling Hot Mix Asphalt**

National Asphalt Pavement Assn.

01/01/1994

\*1/2" VHS, 16 min. This video is designed for the ground crew of the paving

operation. It provides tips and demonstrates proper shoveling and raking/luting techniques for handling HMA.

- AV-V573**                    **Hauling Hot Mix Asphalt**  
National Asphalt Pavement Assn.  
01/01/1993  
\*1/2" VHS, 8 min. This video follows an actual truck driver working and sharing his professional views about what it takes to haul HMA. It provides invaluable tips for loading and driving safely, and being an integral part of the paving team.
- AV-V574**                    **Modern Asphalt Plants**  
National Asphalt Pavement Assn.  
01/01/1994  
\*1/2" VHS, 14 min. This video shows how hot mix asphalt facilities operate and how HMA benefits the community. Intended for the general public.
- AV-V576**                    **Preventing Road Rage: Anger Management for Drivers**  
AAA Foundation for Traffic Safety  
01/01/1998  
\*1/2" VHS, 20 min. Violent aggressive driving, or "road rage," is a growing public concern. This video teaches viewers how to avoid offending other drivers, manage their own anger, and disengage from an angry encounter.
- AV-V577**                    **Forklift Safety: OSHA Final Rules**  
Long Island Productions  
01/01/1998  
\*1/2" VHS, 18 min. This video covers all the new OSHA rules concerning forklifts. The video covers training and certification of operators, safe operating procedures, forklift stability, and refueling.
- AV-V578**                    **Protecting Our Pavements: PREVENTIVE Maintenance**  
DOT FHWA; Michigan Dept. of Transportation  
1/2" VHS, 14 min. Discusses preventive pavement maintenance, specifically techniques and training, improved planning methods, and dedicated funding.
- AV-V579**                    **A-OK Finger Safety**  
Safety Short Production, Inc.  
01/01/1992  
\*1/2" VHS, 5 min. Finger injuries can impair the ability to work productively. With proper gloves and a little safety awareness, finger injuries can be avoided.
- AV-V580**                    **Murder On Your Hands**  
Safety Short Production, Inc.  
01/01/1992  
\*1/2" VHS, 5 min. Hand injuries account for nearly one third of all workplace accidents. This video shows the need for proper hand protection.
- AV-V581**                    **Rigging and Lifting with Mobile Construction Equipment**  
Video Information System Training Associates, Inc.

\*1/2" VHS, 27 min. Hydraulic excavators, wheel loaders, and backhoes were not designed to sling load materials. However, they frequently do material handling work out of necessity. This video provides easy-to-follow practical advice on correct rigging and handling of unusual loads with mobile construction equipment.

- AV-V582**                    **Fundamentals of Hydraulics & Troubleshooting Part 1**  
Kubota Tractor Corporation  
01/01/1997  
\*1/2" VHS, 45 min. Accompanied by a study guide (TA725.D55 1997). This video illustrates the fundamental operation of hydraulic systems. The concepts of component and circuit operation are illustrated. Each major component in the hydraulic system is discussed with respect to design, service and troubleshooting.
- AV-V583**                    **Advanced Hydraulics & Troubleshooting Part 2**  
Kubota Tractor Corporation  
01/01/1997  
\*1/2" VHS, 52 min. Accompanied by a study guide (TA725.D55 1997). This video offers an advanced overview of the process of hydraulic system troubleshooting and repair. Professional technicians present four case studies to demonstrate proper diagnosis, proper tool use, and how to remedy nearly any hydraulic problem.
- AV-V584**                    **Hydraulics Symbols Part 3**  
J.I. Case  
\*1/2" VHS, 20 min. This video teaches one how to read hydraulic schematics. Hydraulic circuits are illustrated in both line art/engineering drawings and cut-away new drawings.
- AV-V585**                    **Work Zone Ahead: Highway Work Zone Safety**  
Associated General Contractors of America  
01/01/1996  
\*1/2" VHS, 12 min. Provides basic safety training to road construction workers.
- AV-V586**                    **Avoid Hot Mix Hazards: Working Safely With Hot Mix**  
Associated General Contractors of America  
01/01/1993  
\*1/2" VHS, 14 min. Provides basic safety training to road construction workers exposed to hot mix hazards.
- AV-V587**                    **Pave Your Way to Safety: Concrete Paving Safety**  
Associated General Contractors of America  
01/01/1993  
\*1/2" VHS, 14 min. Provides basic safety training to road construction workers exposed to concrete hazards.
- AV-V588**                    **Bloodborne Pathogens 2000**  
Long Island Productions  
01/01/1998  
\*1/2" VHS, 19 min. Covers new terminology plus a new approach to meet

training requirements. The video covers HBV, HCV & HIV; infection and exposure control; modes of transmission; PPE, signs and labels; exposure control plan; and workplace risks and cleanup.

- AV-V589**                    **Respirator Standards**  
Long Island Productions  
01/01/1998  
\*1/2" VHS, 21 min. Provides a complete outline of the extensive training required in new OSHA rule 1910.134 and NIOSH changes, including new terminology, cleaning and disinfecting, fit testing, and new respirators.
- AV-V590**                    **Technician Guidelines for Antilock Braking Systems (ABS) for Trucks, Tractors, and Trailers**  
American Trucking Associations, Inc.  
\*1/2" VHS, 22 min. This video covers proper maintenance, troubleshooting, and inspection procedures for antilock braking systems (ABS).
- AV-V591**                    **Smart Moves: Building the Intelligent Transportation Infrastructure**  
DOT FHWA; Public Technology Inc.  
01/01/1996  
\*1/2" VHS, 10 min. Intelligent Transportation Infrastructure is an integrated electronic network of the surface transportation system. It is key to managing transportation. Examples are given for Phoenix, Chicago, and Maryland.
- AV-V592**                    **Training: The Obscured Advantage**  
DOT FHWA  
03/15/1996  
1/2" VHS, 6 min. The Local Technical Assistance Program (LTAP) of FHWA provides training that can help develop professional, motivated, productive, and safe employees. Training is key to the prevention of accidents and injuries.
- AV-V593**                    **Improving American Roads Through International Technology Transfer**  
DOT FHWA  
01/22/1998  
1/2" VHS, 11 min. This video describes FHWA's International Scanning Program which involves sending a team to other countries to learn of new technologies and innovations and then implementing them in a timely manner.
- AV-V594**                    **Tool Box Safety Talks: Working Around Construction Equipment Safely**  
Associated General Contractors of America  
01/01/1996  
\*1/2" VHS, 5 min. People operating equipment and working around equipment must be alert. Before operating equipment, you should walk around it. Use spotters when backing up. Teamwork is the key to safety.
- AV-V595**                    **Tool Box Safety Talks: Construction Equipment Maintenance**  
Associated General Contractors of America

01/01/1992

\*1/2" VHS, 5 min. Proper maintenance will prevent injuries and loss of money and time. Each piece of equipment has manufacturer's recommended maintenance, including a checklist of routine maintenance. A maintenance log should be kept and the equipment should be stored properly.

**AV-V596**

**Partners for ITS Y2K Awareness to Action: RU Y2K OK?**

DOT FHWA

11/05/1998

1/2" VHS, 17 min. This video discusses the vulnerability of ITS technologies to the computer year 2000 problem. The video details four stages that the U.S. DOT has undergone to inoculate ITS on January 1, 2000. These four stages are education and motivation; management, planning, and resource allocation; technical process; and institutional issues.

**AV-V597**

**New Generation of Snow and Ice Control: Anti-Icing and RWIS**

DOT FHWA; Iowa Dept. of Transportation

02/24/1999

1/2" VHS, 7 min. The video and booklet promote the use of road weather information systems (RWIS) and anti-icing as effective snow and ice control methods.

**AV-V598**

**Surface Defects In Formed Concrete**

Portland Cement Assn.

01/01/1996

\*1/2" VHS, 20 min. An informative overview that addresses the most common surface defects in formed concrete. The relationship between proper vibration techniques and quality formed surfaces is also shown.

**AV-V599**

**Concrete Field Tests: What Do the Results Mean?**

Portland Cement Assn.

01/01/1998

\*1/2" VHS, 17 min. This video explains the "why" behind four of the most basic, yet misunderstood, concrete field tests: slump, air content, yield, and compressive strength.

**AV-V600**

**Fundamentals of Quality Concrete**

Portland Cement Assn.

01/01/1998

\*1/2" VHS, 22 min. This video provides a basic understanding of concrete, defining what it is and how it's made. It also shows how factors like intended use, geographical location, and construction practices affect what goes into concrete mix. It also covers proper placing, consolidating, finishing, jointing, and curing.

## SUBJECT INDEX

Administration & General Management	84
Asphalt	84
Bridges & Structures	85
Commercial Drivers License	86
Concrete	86
Design & Construction	87
Education, Training, & Technology Transfer	87
Engineering	87
Equipment & Vehicles	88
General	90
Geotechnology, Drainage, Water	90
Gravel Roads & Unpaved Roads	91
Intelligent Transportation Systems	91
Liability, Legal Issues, Risk Management	92
Maintenance & Operations	92
Management Systems	94
Materials	95
Pavements	96
Quality	98
Research & Testing	98
Roadside Features (Guardrails, Mailboxes, Utilities)	98
Safety & Health	99
Snow & Ice Control, Temperature, Weather	101
Traffic Operations & Traffic Engineering	102
Transportation (General)	103
Work Zones	104

## ADMINISTRATION & GENERAL MANAGEMENT

AV-V011	AGC's Partnering: A Concept for Success
AV-V029	Beyond Close to the Customer
AV-V535	Business Ethics
AV-V468	Communicating Your Public Works Image with Power
AV-V491	Contract Maintenance Series
AV-V077	Developing Job Site Traffic Control Plans
AV-V540	Developing Positive Behavior
AV-V091	Emergency Relief
AV-V119	Gift of Value: Techniques for Reducing Construction and Maintenance Costs
AV-V124	Guidelines for Spring Highway Use Restrictions
AV-V135	Highway Needs
AV-V145	How We Pay for America's Roads
AV-V155	Idea Store 5
AV-V159	Infrastructure
AV-V412	Law Enforcement Against Accidents; Kentucky Uniform Accident Report Form
AV-V443	Love and Profit: The Art of Caring Leadership
AV-V405	Major Investment Studies Teleconference May 4, 1995
AV-V185	Manager as Coach: A New Concept in Management Training
AV-V555	New Way of Planning: Comprehensive Plan and Related Documents
AV-V229	Passion for Customers
AV-V241	PENNDOT Advantage
AV-V543	Privatizing Public Works Services
AV-V259	Project Documentation
AV-V260	Project Management
AV-V285	Road Maintenance Cost Analysis, Parts 1-4
AV-V515	Sexual Harassment: Your Rights & Responsibilities
AV-V328	Strategic Planning for State and Local Transportation
AV-V337	Team of Your Life
AV-V338	Teamwork: The FARS Project

## ASPHALT

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AV-V531	Asphalt Emulsions and Their Uses
AV-V015	Asphalt Maintenance Techniques
AV-V016	Asphalt Overlays: The Four P's
AV-V440	Asphalt-PASER: Pavement Surface Evaluation and Rating
AV-V017	Asphalt Pavement Applications with Robert Joubet
AV-V018	Asphalt Paving Inspection
AV-V433	Asphalt Paving Inspections
AV-V432	Asphalt Roadway Rehabilitation
AV-V586	Avoid Hot Mix Hazards: Working Safely With Hot Mix
AV-V023	Batch Plant Maintenance
AV-V032	Bituminous Concrete Paving
AV-V033	Bituminous Plant Inspection
AV-V034	Bituminous Seal Coat
AV-V434	Chip Seal Application
AV-V053	Cold In Place Recycling
AV-V069	Crack Repair in Asphalt Pavement
AV-V082	Drum Mixer Plant Maintenance
AV-V086	Dynapac HR21 Plex System

AV-V099	Extending the Bituminous Pavement Construction Season
AV-V572	Handling Hot Mix Asphalt
AV-V573	Hauling Hot Mix Asphalt
AV-V131	Here's How a Hot Mix Plant Works
AV-V138	Hot In-Place Recycling: New Technology for Old Roads
AV-V139	Hot Mix Asphalt Construction Promotional Video
AV-V532	Hot Mix Asphalt is the Best Buy...All of the Time
AV-V144	How to Prevent Segregation
AV-V146	Hydrated Lime: Key to Improved Asphalt Pavements
AV-V164	Introduction to Asphalt Materials
AV-V181	Maintaining Asphalt Roads: Blade Patching
AV-V574	Modern Asphalt Plants
AV-V218	Operator Daily Maintenance of Asphalt Distributors
AV-V231	Patching with Hand Tools; Maintain Non-Hard Surfaces; Permanent Pothole Patching; Bituminous Surface Replacement
AV-V431	Paving the Way...to the 21st Century
AV-V263	Puff Asphalt Maintenance Systems
AV-V318	Special Hot Mixes: SMA-ATPB-Rubberized
AV-V331	SUPERPAVE: Asphalt Pavements that Perform
AV-V343	Thermal and Asphalt Cold Mix Treatment of Hydrocarbon Contaminated Soil
AV-V344	Thermo-Lay Hot Asphalt and Sanding Machine
AV-V455	Understanding Superpave Mix Design
AV-V373	Uses of Asphalt Rubber
AV-V382	What's Hot Mix Asphalt

#### BRIDGES & STRUCTURES

AV-V010	Aesthetic Bridges Rails and Guardrails
AV-V030	Big Cable Bridges, How Did They Do That
AV-V407	Bridge Beams
AV-V039	Bridge Deck Overlays
AV-V488	Bridge Evaluation and Posting
AV-V040	Bridge Management Systems
AV-V050	Cleaning and Clearing of Bridges
AV-V064	Concrete Bridge Deck Repair
AV-V065	Concrete Bridge Protection, Repair and Rehabilitation
AV-V066	Concrete Bridge Railings; Modified Thrie Beam Guardrails, Cable Guardrails
AV-V101	Figg Engineering Group
AV-V116	From: Theory, To: Traffic. Modern Timber Bridges
AV-V126	Hardwood Anyone?
AV-V157	Idea Store 7
AV-V165	Introduction to Bridge Inspection
AV-V172	Load and Resistance Factor for Highway Bridge Design
AV-V195	Modern Timber Bridges: A New Return for Old New England
AV-V243	Perry County Bridge
AV-V475	Preservation of Oregon's Historical Coastal Bridges
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AV-V288	Road Stabilization Using Calcium Chloride
AV-V290	Roebing Bridge
AV-V471	Secrets of Lost Empires: Inca
AV-V324	Steel Truss Bridge Inspection; Pre-stressed Concrete Bridges
AV-V498	Super Bridge
AV-V348	Timber Bridge Inspection in Oregon

AV-V349 Timber Bridges, Build Better and Save with Modern Timber Bridges

### COMMERCIAL DRIVERS LICENSE

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AV-V421 Driver's Certification Training Project  
AV-V104 Fit for the Road: Evaluating the Health of Commercial Truck Drivers  
AV-V211 No Nonsense CDL: A Drivers Guide to the CDL Exam  
AV-V216 On the Road to a Safer Tomorrow

### CONCRETE

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AV-V064 Concrete Bridge Deck Repair  
AV-V065 Concrete Bridge Protection, Repair and Rehabilitation  
AV-V599 Concrete Field Tests: What Do the Results Mean?  
AV-V067 Concrete Pavement Overlays  
AV-V076 Designing for Quality; I-90 I-94 Project Madison, Wisconsin  
AV-V087 Early Opening of Full-Depth Concrete Repairs  
AV-V504 Fit to Be Tied: Retrofitting PCC Pavement with Dowel Bars  
AV-V115 Freeze-Thaw Testing  
AV-V117 Full-Depth Repair of Jointed Concrete Pavement  
AV-V487 Fundamentals of Quality Concrete  
AV-V600 Fundamentals of Quality Concrete  
AV-V149 I-80 Reconstruction Nebraska 1984  
AV-V150 I-90 Reconstruction in South Dakota and Minnesota 1986  
AV-V167 Introduction to the Rehabilitation of Highway Concrete  
AV-V184 Maintenance Supervisor's Responsibilities; Patch PCC with PCC; Patch PCC with Bituminous Materials  
AV-V192 Minnesota I-90 Recycling  
AV-V193 MN/DOT On the Move: Recycling "D" Cracked Concrete Pavement  
AV-V226 Partial-Depth Repair of Concrete Pavement  
AV-V587 Pave Your Way to Safety: Concrete Paving Safety  
AV-V256 Prestressed Concrete Overlay on IH35 in Texas  
AV-V265 Quality Control of Concrete on Site  
AV-V271 Recycling Continuously Reinforced Concrete Pavement on I-29 in North Dakota  
AV-V272 Recycling Portland Cement Concrete Pavements  
AV-V274 Rehabilitation of Interstate I-20/I-59 Meridian, Mississippi  
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AV-V404 Retrofitted Load Transfer Devices  
AV-V303 Sampling & Testing Fresh Concrete  
AV-V304 Scarification and Jackhammers Versus Hydrodemolition  
AV-V322 Stamped Concrete. Re-Paving City Streets. Tilt-Up Concrete Construction. Kerney Hills Golf Course  
AV-V598 Surface Defects In Formed Concrete  
AV-V345 Thin High Strength Whitetopping Research  
AV-V425 Ultra-Thin Whitetopping: Today's Choice for Durable Pavement Overlays  
AV-V384 Whitetopping I-70 Sherman County, Kansas  
AV-V389 Working For You

### DESIGN & CONSTRUCTION

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AV-V321	Stabilization: Holding the Roads
AV-V345	Thin High Strength Whitetopping Research
AV-V367	Trenchers: Stay Alert-Stay Alive

#### EDUCATION, TRAINING, & TECHNOLOGY TRANSFER

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AV-V005	Advanced Institute of Transportation Systems Science
AV-V098	Examples of Transportation Technology Transfer Center Video Tapes
AV-V156	Idea Store 6
AV-V593	Improving American Roads Through International Technology Transfer
AV-V208	New Mexico State Highway Dept. Training Academy
AV-V391	Pink Slips or Greenbacks: Changing the Odds
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AV-V295	RTAP, Finished Master
AV-V296	RTAP: Your New Neighbor
AV-V297	Rural Transportation Assistance Program (RTAP)
AV-V309	SHRP Now! Exhibit: 1991 AASHTO Technology Transfer Fair.
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AV-V497	Technology Transfer Series
AV-V465	Training Made Easy
AV-V592	Training: The Obscured Advantage
AV-V365	Transportation Technology Transfer: Good Neighbors In a Changing World
AV-V377	Vermont Local Roads Program

#### ENGINEERING

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AV-V031	Bikes! Art, Elegance, and Engineering
AV-V046	Careers in Transportation Engineering
AV-V544	Civil Engineering: Check It Out; Make It Happen; Back to the Future, Please
AV-V092	Engineers: Turning Ideas into Reality
AV-V472	Newton's Apple Salutes Engineers
AV-V454	On the Road to Equality: Women in Highway Construction
AV-V241	PENNDOT Advantage

AV-V320 Speed Scientific School Civil Engineering Recruiting Tape  
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#### EQUIPMENT & VEHICLES

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 AV-V095 Equipment Management System  
 AV-V538 Equipment Management Systems (EMS)  
 AV-V495 Equipment Management Systems Series  
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 AV-V577 Forklift Safety: OSHA Final Rules  
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 AV-V130 Help 1-2; Time; Heavy Vehicle Management; SCATS-Sydney; SCATS Melbourne; Signalen Boven Deweg; Hanshin Expressway  
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 AV-V584 Hydraulics Symbols Part 3  
 AV-V151 Idea Store 1  
 AV-V152 Idea Store 2  
 AV-V153 Idea Store 3  
 AV-V155 Idea Store 5  
 AV-V157 Idea Store 7  
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 AV-V197 Motor Graders  
 AV-V398 Motorgrader Preventive Maintenance  
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 AV-V214 Oil in Your Engine  
 AV-V218 Operator Daily Maintenance of Asphalt Distributors  
 AV-V219 Operator Daily Maintenance of Crawler Tractors  
 AV-V220 Operator Daily Maintenance of Dump Trucks  
 AV-V221 Operator Daily Maintenance of Front-End Loaders  
 AV-V222 Operator Daily Maintenance of Motorgraders  
 AV-V223 Operator Daily Maintenance of Rollers  
 AV-V246 Plow Power  
 AV-V247 Pneumatic Tire Roller Operation  
 AV-V249 Pothole Patcher  
 AV-V257 Preventive Maintenance; 5-Yard Dump Trucks Preventive Maintenance; Dump Box Operations; Dump Truck Driving  
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 AV-V264 Pulvi-Mixer  
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 AV-V589 Respirator Standards  
 AV-V581 Rigging and Lifting with Mobile Construction Equipment  
 AV-V285 Road Maintenance Cost Analysis, Parts 1-4  
 AV-V289 Roadeo  
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 AV-V307 Shake Hands with Danger  
 AV-V325 Steel Wheel Roller  
 AV-V326 Straight Blade Snow Plows, Parts 1 & 2; Highway Sanders; Crack Sealer Operation Pts. 1&2; Highway Sander Calibration; Tar Pot Operations; Bulldozer Preventive Maintenance  
 AV-V448 Tag, You're It  
 AV-V336 Taking Control of Your Motor Grader  
 AV-V590 Technician Guidelines for Antilock Braking Systems (ABS) for Trucks, Tractors, and Trailers  
 AV-V344 Thermo-Lay Hot Asphalt and Sanding Machine  
 AV-V352 Tow Type Sweeper Operation & PM-A; Pneumatic Tire Roller Operation; Roller PM-A; Steel-Wheel Roller Operation  
 AV-V595 Tool Box Safety Talks: Construction Equipment Maintenance  
 AV-V594 Tool Box Safety Talks: Working Around construction Equipment  
 AV-V353 Tow-Type Trailers  
 AV-V364 Transport Trailer Safety  
 AV-V368 Truck Impacts on Pavements  
 AV-V571 Understanding the Vibratory Roller  
 AV-V536 Using Snow Plows on Motorgraders  
 AV-V379 Weather and Loads: The Effect They Have on Roads  
 AV-V380 Weed Sprayer, parts 1 & 2; Dump Truck Operation

## GENERAL

AV-V013	Allied Telecommunications: Barco Data 600 and Barco Graphics
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AV-V535	Business Ethics
AV-V043	Business of Paradigms
AV-V044	Cabintaxi: Transit Without Waiting; Cabinlift
AV-V045	Can a PC Help You?
AV-V052	Coal Summit II Lexington Kentucky
AV-V055	Colorado and No Place Else
AV-V068	Courage to See Clearly: Living More Fully by Living the Truth
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AV-V419	Kentucky Transportation Center
AV-V553	Learn How to Use Netscape Navigator
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AV-V202	Municipal Compost Technique
AV-V215	Olympic Video
AV-V224	Paradigm Pioneers
AV-V429	Paradigm Principles
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AV-V244	Philadelphia: Vision of the 90's
AV-V254	Power of Vision
AV-V534	Professional Image
AV-V316	So You're Going to Make a Video
AV-V335	Take Charge! with General H. Norman Schwarzkopf (Ret.)
AV-V347	Third Friday Report #9

## GEOTECHNOLOGY, DRAINAGE, WATER

AV-V022	Basics of Local Road Engineering
AV-V024	Baystate Roads Drainage Workshop
AV-V051	Cleaning of Lined Ditches, Culverts and Catch Basins
AV-V063	Community Flood Plain Management
AV-V397	Creating Meadows Through Road Maintenance and Construction
AV-V533	Design and Installation of Buried Pipes
AV-V080	Drainage Pipe Placement
AV-V148	Hydraway Drain Project SH31 District 10 Tyler, Texas
AV-V154	Idea Store 4
AV-V537	Importance of Road Drainage
AV-V171	Lime: The Versatile Stabilizer in Construction
AV-V187	Marafi Filter Fabric; Better Roads with Petromat
AV-V191	Mechanical Cleaning of Unlined Ditches
AV-V203	Mustang Grease and Sludge Jetters
AV-V281	Retaining Wall Design; Traffic Control and Liability
AV-V284	Road Drainage
AV-V292	Routine Structure Cleaning, Maintain Drainage, Ditches, Mowing, Guardrail Repair, Shoulders, Snow Removal
AV-V293	Routine Structure Cleaning; Edge Rut Repair; Maintain Drainage; Mowing; Chemical Control of Vegetation;

AV-V308	Remove Minor Slides & Clean Ditches; Guardrail Repair; Plow Snow & Apply Salt.
AV-V313a	Shoulder Cutting
AV-V313b	Slope Maintenance and Slide Restoration, Programs 1-8
AV-V542	Slope Maintenance and Slide Restoration; Geotextile Walls, Retaining Walls Stabilization: Holding the Roads
AV-V343	Strategies for Urban Wet Weather Management
AV-V399	Thermal and Asphalt Cold Mix Treatment of Hydrocarbon Contaminated Soil
	Wetlands Mitigation for Transportation Projects

#### GRAVEL ROADS & UNPAVED ROADS

AV-V036	Blading Unpaved Roads
AV-V085	Dust Control 1989
AV-V182	Maintaining Gravel Roads in Arkansas
AV-V230	Patching Unpaved Roads
AV-V435	Problems with Gravel Roads
AV-V273	Regraveling
AV-V277	Replenishing Earth and Gravel Shoulders
AV-V278	Reshaping Earth and Gravel Shoulders
AV-V311	Single and Multiple Surface Treatments
AV-V314	Smoothing and Reshaping of Earth and Gravel Roads
AV-V321	Stabilization: Holding the Roads
AV-V370	Unsurfaced Road Inspection
AV-V371	Unsurfaced Road Management
AV-V372	Upgrading Gravel Roads

#### INTELLIGENT TRANSPORTATION SYSTEMS

AV-V006	Advantage I-75
AV-V007	Advantage I-75 - <u>Does Not Circulate</u>
AV-V008	Advantage I-75, 2nd Edition
AV-V009	Advantage I-75, 3rd Edition
AV-V457	ARTIMIS
AV-V395	Demonstration of Hughes Transportation Management Systems
AV-V125	Guidestar
AV-V129	Heavy Vehicle Management: The Evolution of Technologies and Applications
AV-V130	Help 1-2; Time; Heavy Vehicle Management; SCATS-Sydney; SCATS-Melbourne; Signalen Boven Deweg; Hanshin Expressway
AV-V400	IVHS Architecture Video Primer
AV-V168	IVHS Technologies for Transportation
AV-V169	IVHS: a Smart Choice
AV-V528	Mayday Emergency Notification System Development
AV-V199	Moving Transportation into the Information Age
AV-V596	Partners for ITS Y2K Awareness to Action: RU Y2K OK?
AV-V591	Smart Moves: Building the Intelligent Transportation Infrastructure
AV-V442	Today's Reality: ITS in America
AV-V456	What is ARTIMIS? Advanced Regional Traffic Interactive

#### LIABILITY, LEGAL ISSUES, RISK MANAGEMENT

AV-V002	AASHTO Presents Tort Liability of State Highway and Transportation Agencies
AV-V026	Best Defense is a Good Road
AV-V535	Business Ethics
AV-V047	Caution, Litigation Ahead: The Road to Effective Risk Management

AV-V549	Deposition
AV-V545	Engineering Ethics: The Case of Challenger
AV-V140	How to Avoid Being Sued and Have a Better Chance of Winning
AV-V141	How to Be an Effective Expert Witness
AV-V554	ISTEA to TEA-21: The New Transportation Law
AV-V186	Managing Risks in a Risk Taking Society
AV-V216	On the Road to a Safer Tomorrow
AV-V281	Retaining Wall Design: Traffic Control and Liability
AV-V515	Sexual Harassment: Your Rights & Responsibilities

#### MAINTENANCE & OPERATIONS

AV-V583	Advanced Hydraulics & Troubleshooting Part 2
AV-V439	Arc Welding
AV-V014	Asphalt Crack Treatment: Helpful Information for the Road
AV-V015	Asphalt Maintenance Techniques
AV-V432	Asphalt Roadway Rehabilitation
AV-V501	Backhoe Loader: Maintenance & Transport
AV-V021	Base and Sub-Base Repair
AV-V023	Batch Plant Maintenance
AV-V028	Better Road Management
AV-V036	Blading Unpaved Roads
AV-V050	Cleaning and Clearing of Bridges
AV-V051	Cleaning of Lined Ditches, Culverts, and Catch Basins
AV-V062	Common Maintenance Problems and Causes
AV-V064	Concrete Bridge Deck Repairs
AV-V065	Concrete Bridge Protection, Repair, and Rehabilitation
AV-V491	Contract Maintenance Series
AV-V069	Crack Repair in Asphalt Pavement
AV-V070	Crack Sealer, Parts 1 & 2
AV-V071	Crane Operation; Forklift Operation and Preventive Maintenance; Winch, Auger, Bucket Operation; Rotary Mower Operation
AV-V079	Distributor: Preventive Maintenance & Operations
AV-V081	Driver Daily Maintenance of Light Vehicles
AV-V082	Drum Mixer Plant Maintenance
AV-V084	DuraPatcher
AV-V393	DuraPatcher: Patching Only
AV-V085	Dust Control 1989
AV-V086	Dynapac HR21 Plex System
AV-V087	Early Opening of Full-Depth Concrete Repairs
AV-V088	Economic Analysis to Select Repair Strategies: Life Extension
AV-V089	Economic Analysis to Select Repair Strategies: Maintenance and Rehabilitation Strategies, Life Cycle Cost Analysis
AV-V094	Equipment Maintenance Programming and Scheduling
AV-V096	Equipment Operation & Maintenance; Loader Operation Parts 1,2, & PM-A&B; Motor Grader Operation parts 1,2,3, & PM-A
AV-V097	Everyone Pays for Potholes
AV-V102	Finding Better Ways: New Research into Cost-Effective Pavement Repairs
AV-V504	Fit to be Tied: Retrofitting PCC Pavement with Dowel Bars
AV-V117	Full-Depth Repair of Jointed Concrete Pavement
AV-V582	Fundamentals of Hydraulics & Troubleshooting Part 1
AV-V438	Gas Welding and Metal Identification
AV-V437	General Welding Safety and Tank Repair

AV-V127	Hazards of Hurry
AV-V134	Highway Maintenance Overview, Traffic Control Work Areas
AV-V584	Hydraulics Symbols Part 3
AV-V149	I-80 Reconstruction Nebraska 1984
AV-V150	I-90 Reconstruction in South Dakota and Minnesota 1986
AV-V151	Idea Store 1
AV-V153	Idea Store 3
AV-V154	Idea Store 4
AV-V165	Introduction to Bridge Inspection
AV-V167	Introduction to the Rehabilitation of Highway Concrete
AV-V507	Landscape Maintenance
AV-V430	Light at the End of the Tunnel: The Eisenhower Tunnel
AV-V496	Low Volume Road Series
AV-V181	Maintaining Asphalt Roads: Blade Patching
AV-V182	Maintaining Gravel Roads in Arkansas
AV-V183	Maintenance Management System
AV-V184	Maintenance Supervisor's Responsibilities; Patch PCC with PCC; Patch PCC with Bituminous Materials
AV-V191	Mechanical Cleaning of Unlined Ditches
AV-V192	Minnesota I-90 Recycling
AV-V193	MN/DOT On the Move: Recycling "D" Cracked Concrete Pavement
AV-V398	Motorgrader Preventive Maintenance
AV-V202	Municipal Compost Technique
AV-V218	Operator Daily Maintenance of Asphalt Distributors
AV-V219	Operator Daily Maintenance of Crawler Tractors
AV-V220	Operator Daily Maintenance of Dump Trucks
AV-V221	Operator Daily Maintenance of Front-End Loaders
AV-V222	Operator Daily Maintenance of Motorgraders
AV-V223	Operator Daily Maintenance of Rollers
AV-V226	Partial-Depth Repair of Concrete Pavement
AV-V230	Patching Unpaved Roads
AV-V231	Patching with Hand Tools; Maintain Non-Hard Surfaces; Permanent Pothole Patching; Bituminous Surface Replacement.
AV-V234	Pavement Structure Repair Techniques, I
AV-V235	Pavement Structure Repair Techniques, II
AV-V245	Plant Growth Regulators and Grounds Maintenance
AV-V248	Polyfil System
AV-V249	Pothole Patcher
AV-V250	Pothole Repair
AV-V251	Pothole Repair in Asphalt Concrete Pavement
AV-V252	Pothole Repair in Surface Treatment Pavement and
AV-V253	Potholes: Causes, Cures, and Prevention
AV-V256	Prestressed Concrete Overlay on IH35 in Texas
AV-V257	Preventive Maintenance; 5-Yard Dump Trucks Preventive Maintenance; Dump Box Operations; Dump Truck Driving
AV-V435	Problems with Gravel Roads
AV-V527	Protecting Our Pavement: Preventive Maintenance
AV-V263	Puff Asphalt Maintenance Systems
AV-V271	Recycling Continuously Reinforced Concrete Pavement on I-29 in North Dakota
AV-V272	Recycling Portland Cement Concrete Pavements
AV-V396	Recycling the Lifeline
AV-V274	Rehabilitation of Interstate I-20/I-59 Meridian, Mississippi
AV-V273	Regraveling
AV-V276	Repair of Depressions, Rutting and Corrugations

AV-V277	Replenishing Earth and Gravel Shoulders
AV-V278	Reshaping Earth and Gravel Shoulders
AV-V470	Right-of-Way Mowing Safety
AV-V285	Road Maintenance Cost Analysis, Parts 1-4
AV-V287	Road Repair: Do the Right Thing at the Right Time
AV-V291	ROSCO-RA-200 Demonstration and Applications 1992
AV-V292	Routine Structure Cleaning, Maintain Drainage, Ditches, Mowing, Guardrail Repair, Shoulders, Snow Removal
AV-V293	Routine Structure Cleaning; Edge Rut Repair; Maintain Drainage; Mowing; Chemical Control of Vegetation; Remove Minor Slides & Clean Ditches; Guardrail Repair; Plow Snow & Apply Salt.
AV-V304	Scarification and Jackhammers Versus Hydrodemolition
AV-V305	Sealcoating; A matter of Science and Skill
AV-V306	Selective Pavement Rehabilitation
AV-V308	Shoulder Cutting
AV-V436	Sign Maintenance and Installation
AV-V313a	Slope Maintenance and Slide Restoration, Programs 1-8
AV-V313b	Slope Maintenance and Slide Restoration, Geotextile Walls, Retaining Walls
AV-V314	Smoothing and Reshaping of Earth and Gravel Roads
AV-V321	Stabilization: Holding the Roads
AV-V326	Straight Blade Snow Plows, Parts 1 & 2; Highway Sanders; Crack Sealer Operation Pts. 1&2; Highway Sander Calibration; Tar Pot Operations; Bulldozer Preventive Maintenance
AV-V339	Technical Advancements for Maintenance Workers: for Maintenance Managers and Work Crews
AV-V340	Technical Advancements for Maintenance Workers: for Chief Administrative Officers
AV-V590	Technician Guidelines for Antilock Braking Systems (ABS) for Trucks, Tractors, and Trailers
AV-V344	Thermo-Lay Hot Asphalt and Sanding Machine
AV-V595	Tool Box Safety Talks: Construction Equipment Maintenance
AV-V594	Tool Box Safety Talks: Working Around Construction Equipment
AV-V367	Trenchers: Stay Alert-Stay Alive
AV-V486	Utility Cut Repair: Doing It Right
AV-V474	Utility Cuts in Paved Roads, Part 1 and 2
AV-V380	Weed Sprayer, Parts 1 & 2; Dump Truck Operation
AV-V386	Winning Moves in Maintenance

**MANAGEMENT SYSTEMS**  
(Pavement, Bridge, Equipment, Safety, etc.)

AV-V242	Agri-Access Network: a Pennsylvania Pilot Study
AV-V440	Asphalt-PASER: Pavement Surface Evaluation and Rating
AV-V433	Asphalt Paving Inspections
AV-V028	Better Road Management
AV-V040	Bridge Management Systems
AV-V042	Budget Analysis Procedures
AV-V063	Community Flood Plain Management
AV-V490	Construction Management Systems Series
AV-V088	Economic Analysis to Select Repair Strategies: Life Extension
AV-V089	Economic Analysis to Select Repair Strategies: Maintenance and Rehabilitation Strategies, Life Cycle Cost Analysis
AV-V094	Equipment Maintenance Programming and Scheduling
AV-V095	Equipment Management System
AV-V538	Equipment Management Systems (EMS)
AV-V495	Equipment Management Systems Series
AV-V129	Heavy Vehicle Management: The Evolution of Technologies and Applications
AV-V492	Highway Management Series, Part 1
AV-V493	Highway Management Series, Part 2

AV-V496	Low Volume Roads Series
AV-V183	Maintenance Management System
AV-V205	Network Definition
AV-V206	New Directions in Sign Management
AV-V227	Partners for Safety: An Introduction to the Safety Management System
AV-V232	Pavement Management Systems for Local Administrators 1990
AV-V286	Road Management Systems
AV-V287	Road Repair: Do the Right Thing at the Right Time
AV-V436	Sign Maintenance and Installation
AV-V332	Surface Distress and Street Surveying Procedures
AV-V333	Surface Distress and Street Surveying Procedures Part 2
AV-V334	Surface Distress and Street Surveying Procedures Section A
AV-V348	Timber Bridge Inspection in Oregon
AV-V413	Traffic Information Network, 20 Minute Traffic Ticker, Emergency Vehicles in Traffic, Reversible Lanes, Pedestrian Safety, School Bus Awareness, Bicycle Safety, Ridesharing, Safety Management Systems
AV-V361	Traffic Sign Inspection and Maintenance
AV-V370	Unsurfaced Road Inspection
AV-V371	Unsurfaced Road Management

#### MATERIALS

AV-V422	AASHTO T-27: Sieve Analysis of Fine Aggregate, Sieve Analysis of Coarse Aggregate
AV-V531	Asphalt Emulsions and Their Uses
AV-V054	Cold Weather Effects
AV-V072	CSI Blaster/Painters Coating Demonstration of IC Coating 531
AV-V085	Dust Control 1989
AV-V487	Fundamentals of Quality Concrete
AV-V572	Handling Hot Mix Asphalt
AV-V126	Hardwood Anyone?
AV-V532	Hot Mix Asphalt is the Best Buy...All of the Time
AV-V146	Hydrated Lime: Key to Improved Asphalt Pavements
AV-V152	Idea Store 2
AV-V154	Idea Store 4
AV-V164	Introduction to Asphalt Materials
AV-V171	Lime: The Versatile Stabilizer in Construction
AV-V178	Low Temperature Engine Oil Testing
AV-V179	LP Gas, Know the Facts
AV-V187	Marafi Filter Fabric; Better Roads with Petromat
AV-V190	Materials Sampling & Testing
AV-V574	Modern Asphalt Plants
AV-V195	Modern Timber Bridges: A New Return for Old New England
AV-V202	Municipal Compost Technique
AV-V214	Oil in Your Engine
AV-V233	Pavement Marking Inspection: Traffic Paint
AV-V431	Paving the Way...to the 21st Century
AV-V275	Reliable Witness: Direct Tension Indicators
AV-V288	Road Stabilization Using Calcium Chloride
AV-V349	Timber Bridges, Build Better and Save with Modern Timber Bridges
AV-V374	Verglimit (Job Mixing and Laying)
AV-V375	Verglimit (Snow and Ice Removal)
AV-V376	Verglimit Profile: Tappan Zee Bridge, New York
AV-V381	Wetted Salt (Revised)
AV-V389	Working For You

## PAVEMENTS

AV-V016	Asphalt Overlays: The Four P's
AV-V440	Asphalt-PASER: Pavement Surface Evaluation and Rating
AV-V017	Asphalt Pavement Applications with Robert Joubet
AV-V018	Asphalt Paving Inspection
AV-V433	Asphalt Paving Inspections
AV-V432	Asphalt Roadway Rehabilitation
AV-V028	Better Road Management
AV-V032	Bituminous Concrete Paving
AV-V034	Bituminous Seal Coat
AV-V434	Chip Seal Application
AV-V066	Concrete Pavement Overlays
AV-V069	Crack Repair in Asphalt Pavement
AV-V070	Crack Sealer, Parts 1 & 2
AV-V076	Designing for Quality; I-90 I-94 Project Madison, Wisconsin
AV-V084	DuraPatcher
AV-V393	DuraPatcher: Patching Only
AV-V086	Dynapac HR 21 Plex System
AV-V087	Early Opening of Full-Depth Concrete Repairs
AV-V088	Economic Analysis to Select Repair Strategies: Life Extension
AV-V089	Economic Analysis to Select Repair Strategies: Maintenance and Rehabilitation Strategies, Life Cycle Cost Analysis
AV-V097	Everyone Pays for Potholes
AV-V099	Extending the Bituminous Pavement Construction Season
AV-V100	FHWA Test Road: Construction of an Instrumented Test Pavement
AV-V102	Finding Better Ways: New Research into Cost-Effective Pavement Repairs
AV-V504	Fit to Be Tied: Retrofitting PCC Pavement with Dowel Bars
AV-V117	Full-Depth Repair of Jointed Concrete Pavement
AV-V124	Guidelines for Spring Highway Use Restrictions
AV-V573	Hauling Hot Mix Asphalt
AV-V138	Hot In-Place Recycling: New-Technology for Old Roads
AV-V144	How to Prevent Segregation
AV-V149	I-80 Reconstruction Nebraska 1984
AV-V150	I-90 Reconstruction in South Dakota and Minnesota 1986
AV-V154	Idea Store 4
AV-V167	Introduction to the Rehabilitation of Highway Concrete
AV-V181	Maintaining Asphalt Roads: Blade Patching
AV-V184	Maintenance Supervisor's Responsibilities; Patch PCC with PCC; Patch PCC with Bituminous Materials
AV-V192	Minnesota I-90 Recycling
AV-V193	MN/DOT On the Move: Recycling "D" Cracked Concrete Pavement
AV-V226	Partial-Depth Repair of Concrete Pavement
AV-V231	Patching with Hand Tools; Maintain Non-Hard Surfaces; Permanent Pothole Patching; Bituminous Surface Replacement
AV-V232	Pavement Management Systems for Local Administrators 1990
AV-V233	Pavement Marking Inspection: Traffic Paint
AV-V234	Pavement Structure Repair Techniques, I
AV-V235	Pavement Structure Repair Techniques, II
AV-V236	Paving and Compaction Training
AV-V237	Paving Techniques
AV-V431	Paving the Way...to the 21st Century
AV-V248	Polyfil System
AV-V249	Pothole Patcher

AV-V250	Pothole Repair
AV-V251	Pothole Repair in Asphalt Concrete Pavement
AV-V252	Pothole Repair in Surface Treatment Pavement
AV-V253	Potholes: Causes, Cures & Prevention
AV-V256	Prestressed Concrete Overlay on IH35 in Texas
AV-V527	Protecting Our Pavement: Preventive Maintenance
AV-V263	Puff Asphalt Maintenance Systems
AV-V264	Pulvi-Mixer
AV-V271	Recycling Continuously Reinforced Concrete Pavement on I-29 in North Dakota
AV-V272	Recycling Portland Cement Concrete Pavements
AV-V396	Recycling the Lifeline
AV-V274	Rehabilitation of Interstate I-20/I-59 Meridian, Mississippi
AV-V276	Repair of Depressions, Rutting and Corrugations
AV-V550	Resilient Modulus Executive Summary: Is This the Right Time?
AV-V552	Resilient Modulus Sample Preparation and Test Procedures
AV-V551	Resilient Modulus Startup and Quality Control Procedures
AV-V280	Resurfacing City Streets with Concrete
AV-V286	Road Management Systems
AV-V287	Road Repair: Do the Right Thing at the Right Time
AV-V291	ROSCO RA-200 Demonstrations and Applications 1992
AV-V304	Scarification and Jackhammers Versus Hydrodemolition
AV-V305	Sealcoating: A Matter of Science and Skill
AV-V306	Selective Pavement Rehabilitation
AV-V310	SHRP Paving the Way for Tomorrow's Highways
AV-V311	Single and Multiple Surface Treatments
AV-V318	Special Hot Mixes: SMA-ATPB-Rubberized
AV-V322	Stamped Concrete. Re-Paving City Streets. Tilt-Up Concrete Construction. Kerney Hills Golf Course.
AV-V331	SUPERPAVE: Asphalt Pavements that Perform
AV-V332	Surface Distress and Street Surveying Procedures
AV-V333	Surface Distress and Street Surveying Procedures Part 2
AV-V334	Surface Distress and Street Surveying Procedures Section A
AV-V339	Technical Advancements for Maintenance Workers: for Maintenance Managers and Work Crews
AV-V340	Technical Advancements for Maintenance Workers: for Chief Administrative Officers
AV-V341	Terry Industries
AV-V344	Thermo-Lay Hot Asphalt and Sanding Machine
AV-V345	Thin High Strength Whitetopping Research
AV-V368	Truck Impacts on Pavements
AV-V425	Ultra-Thin Whitetopping: Today's Choice for Durable Pavement Overlays
AV-V455	Understanding Superpave Mix Design
AV-V373	Uses of Asphalt Rubber
AV-V384	Whitetopping I-70 Sherman County, Kansas

#### QUALITY

AV-V265	Quality Control of Concrete on Site
AV-V266	Quality or Else: Change to Survive: A Brand New Ball Game
AV-V267	Quality or Else: How to Hit the Moving Target
AV-V268	Quality or Else: The Global Marketplace

#### RESEARCH & TESTING

AV-V422	AASHTO T-27: Sieve Analysis of Fine Aggregate, Sieve Analysis of Coarse Aggregate
AV-V100	FHWA Test Road: Construction of an Instrumented Test Pavement

AV-V102	Finding Better Ways: New Research into Cost-Effective Pavement Repairs
AV-V114	Freeze-Thaw Testing
AV-V406	Greenline Impact Test
AV-V137	Highway Statistics Course
AV-V419	Kentucky Transportation Center
AV-V178	Low Temperature Engine Oil Testing
AV-V458	Minnesota Local Road Research Board
AV-V190	Materials Sampling and Testing
AV-V265	Quality Control of Concrete on Site
AV-V550	Resilient Modulus Executive Summary: Is This the Right Time?
AV-V552	Resilient Modulus Sample Preparation and Test Procedures
AV-V551	Resilient Modulus Startup and Quality Control Procedures
AV-V303	Sampling & Testing Fresh Concrete
AV-V410	SECUTC-UK Research Projects 1989
AV-V309	SHRP Now! Exhibit: 1991 AASHTO Technology Transfer Fair
AV-V310	SHRP! Paving the Way for Tomorrow's Highways
AV-V327	Strategic Highway Research Program
AV-V378	Virginia Transportation Research Council

**ROADSIDE FEATURES  
(BARRIERS, GUARDRAILS, MAILBOXES, UTILITIES)**

AV-V010	Aesthetic Bridge Rails and Guardrails
AV-V401	Breakaway Pole Demo Project
AV-V038	Breakaway Timber Utility Poles
AV-V402	Breakaway Wood Pole Installation Tates Creek Road & McMeekin Place
AV-V066	Concrete Bridge Railings; Modified Thrie Beam Guardrails, Cable Guardrails For Safety's Sake
AV-V114	Functional Requirements of Highway Safety Features
AV-V118	Guardrail Installation and Repair
AV-V123	Guardrail Installation and Repair
AV-V180	Mailboxes May Be Hazardous to Your Health
AV-V476	Making Safer Roads
AV-V207	New Highway Barrier
AV-V269	Quickchange Movable Barrier
AV-V394	Quickchange Movable Barrier: Dallas, Texas East R.L. Thorton Freeway I-30 Contraflow HOV Lane
AV-V292	Routine Structure Cleaning, Maintain Drainage, Ditches, Mowing, Guardrail Repair, Shoulders, Snow Removal
AV-V293	Routine Structure Cleaning; Edge Rut Repair; Maintain Drainage; Mowing; Chemical Control of Vegetation; Remove Minor Slides & Clean Ditches; Guardrail Repair; Plow Snow & Apply Salt.
AV-V300	Safer Roadside
AV-V301	Safety Features for Local Roads & Streets
AV-V415	Subsurface Utility Engineering: A Proven Solution
AV-V330	Subsurface Utility Engineering: A Technology for the '90s
AV-V354	Traffic Barriers: An Overview; W-Beam, Wood and Steel; Traffic Barrier Terminal
AV-V486	Utility Cut Repair: Doing It Right
AV-V474	Utility Cuts in Paved Roads, Part 1 and 2

**SAFETY & HEALTH**

AV-V579	A-OK Finger Safety
AV-V473	Along for the Ride: Safer Bicycling for Everyone
AV-V489	America in Jeopardy: Drugs in the Workplace
AV-V586	Avoid Hot Mix Hazards: Working Safely With Hot Mix
AV-V467	Back Safety Training Timeout

AV-V019	Back to Basics
AV-V567	Back Belts
AV-V500	Backhoe Loader: Safe Operating Techniques
AV-V558	Barricade Safety: The Forbidden Zone
AV-V025	Be a Good Neighbor. Be a Designated Driver
AV-V559	Beating a Blowout
AV-V427	Big Chill
AV-V588	Bloodborne Pathogens 2000
AV-V401	Breakaway Pole Demo Project
AV-V037	Breakaway Sign Program
AV-V038	Breakaway Timber Utility Poles
AV-V402	Breakaway Wood Pole Installation Tates Creek Road & McMeekin Place
AV-V048	Children in Traffic: Why They Are Different
AV-V411	Coal Transportation
AV-V451	Confined Space Entry: The Final Regulation
AV-V563	Dangerous Crossings: A Second Thought
AV-V074	Dead Right
AV-V521	Driving Defensively I
AV-V522	Driving Defensively II
AV-V417	Driving in Bad Weather
AV-V466	Earthquake: A Matter of Time
AV-V510	Ergo Kinetics: Smart Moves for Office Ergonomics
AV-V569	Eye Injuries
AV-V464	Fire Prevention
AV-V103	First on the Scene
AV-V104	Fit for the Road: Evaluating the Health of Commercial Truck Drivers
AV-V565	Flashburn
AV-V564	Foot Closer to Safety
AV-V508	Foot Protection
AV-V506	Forklift Safety
AV-V577	Forklift Safety: OSHA Final Rules
AV-V118	Functional Requirements of Highway Safety Features
AV-V437	General Welding Safety and Tank Repair
AV-V121	Good Driving Is an Attitude
AV-V450	Hand and Power Tool Safety
AV-V505	Hand and Wrist Injuries
AV-V449	Handling the Heat
AV-V453	Hard Hat Safety
AV-V127	Hazards of Hurry
AV-V462	Head Protection
AV-V514	Heat Can Kill
AV-V136	Highway Safety Program. Highway Safety: the Silent Factor
AV-V523	How to Prepare for an OSHA Inspection
AV-V154	Idea Store 5
AV-V156	Idea Store 6
AV-V158	Idea Store 8
AV-V477	It Always Happens to the Other Guy
AV-V560	Just Horsing Around
AV-V175	Loader-Backhoe Safety: Operator Safety
AV-V176	Loader-Backhoe Safety: Worker Safety
AV-V509	Lockout/Tagout of Construction Equipment
AV-V179	LP Gas, Know the Facts
AV-V180	Mailboxes May Be Hazardous to Your Health

AV-V416	Make Winter Driving Safer
AV-V562	Managing Space and Time for Safe Driving
AV-V189	Master Plan for Safe Trucks and Buses
AV-V517	Medical Emergencies in the Workplace I
AV-V201	Multiple Choice
AV-V580	Murder On Your Hands
AV-V525	On Any Given Day
AV-V216	On the Road to a Safer Tomorrow
AV-V566	One Breath Away
AV-V511	Outdoor Safety: Critters and Plants
AV-V227	Partners for Safety: An Introduction to the Safety Management System
AV-V228	Partners In Safety
AV-V587	Pave Your Way to Safety: Concrete Paving Safety
AV-V238	Pedestrian Accident Reconstruction
AV-V239	Pedestrian Safety: What You Can Do
AV-V240	Pedestrians
AV-V463	Portable Fire Extinguishers
AV-V261	Protection of Locators and Surveyors
AV-V447	Protective Equipment
AV-V483	Ready...Set... Winter! Driving Safely on Ice and Snow
AV-V460	Recognizing Alcohol Abuse: A Supervisor's Guide
AV-V459	Recognizing Drug Abuse: A Supervisor's Guide
AV-V428	Reduce Accident Rates By as Much as 90%!; Dress Safe
AV-V513	Riding on Rolling Stock
AV-V470	Right-of-Way Mowing Safety
AV-V283	Right to Know: Hazard Communication in the Workplace
AV-V503	Safe and Efficient Operation of Hand-Held Cutoff Saws
AV-V299	Safely Controlling the Power of the Backhoe/Loader
AV-V301	Safety Features for Local Roads & Streets
AV-V524	Safety Is Your Responsibility
AV-V478	Safety Training for Repair Technicians
AV-V479	School Zone Safety
AV-V307	Shake Hands with Danger
AV-V561	Sharing the Road
AV-V570	Shock Hazards: Power Tools
AV-V516	Slip, Slop & Slap
AV-V461	Slips, Trips and Falls
AV-V312	Six States' Highway Safety Public Awareness Messages
AV-V426	Sorry I Didn't Hear That
AV-V392	Spirit of Trucking
AV-V448	Tag, You're It
AV-V526	Timing Is Everything
AV-V351	To Warn, Guide and Protect: An Introduction to Flagging
AV-V595	Tool Box Safety Talks: Construction Equipment Maintenance
AV-V594	Tool Box Safety Talks: Working Around Construction Equipment
AV-V413	Traffic Information Network, 20 Minute Traffic Ticker, Emergency Vehicles in Traffic, Reversible Lanes, Pedestrian Safety, School Bus Awareness, Bicycle Safety, Ridesharing, Safety Management Systems
AV-V494	Traffic Safety Series
AV-V364	Transport Trailer Safety
AV-V452	Tree Trimming Safety
AV-V367	Trenchers: Stay Alert-Stay Alive
AV-V369	Unattended Work Sites
AV-V482	Unrestrained Motorists: The Cost to Your Community

AV-V512	Violence in the Workplace
AV-V519	Walk!
AV-V520	When Lightning Strikes
AV-V568	Where Are Your Hands?
AV-V585	Work Zone Ahead: Highway Work Zone Safety
AV-V387	Work Zone Safety Concepts
AV-V423	Work Zone Safety for Roadway Maintenance Operations on Rural Highways
AV-V388	Work Zone Safety for Rural Local Agencies
AV-V557	Workplace Fatalities: Most Common Causes

#### SNOW & ICE CONTROL, TEMPERATURE, WEATHER

AV-V480	Anti-Icing for Maintenance Personnel
AV-V427	Big Chill
AV-V054	Cold Weather Effects
AV-V075	Demonstration of the Operation of the Schulz Automated Snow Chain System
AV-V417	Driving in Bad Weather
AV-V090	Effective Snow Fences: Benefits of Snow Fences, Key Elements of Snow Fences
AV-V099	Extending the Bituminous Pavement Construction Season
AV-V115	Freeze-Thaw Testing
AV-V449	Handling the Heat
AV-V514	Heat Can Kill
AV-V158	Idea Store 8
AV-V178	Low Temperature Engine Oil Testing
AV-V416	Make Winter Driving Safer
AV-V597	New Generation of Snow and Ice Control: Anti-Icing and RWIS
AV-V246	Plow Power
AV-V541	Portions of Snow and Ice Program (Anti-Icing Workshop)
AV-V483	Ready...Set...Winter! Driving Safely on Ice and Snow
AV-V279	Response to Winter
AV-V292	Routine Structure Cleaning, Maintain Drainage, Ditches, Mowing, Guardrail Repair, Shoulders, Snow Removal
AV-V293	Routine Structure Cleaning; Edge Rut Repair; Maintain Drainage; Mowing; Chemical Control of Vegetation; Remove Minor Slides & Clean Ditches; Guardrail Repair; Plow Snow & Apply Salt.
AV-V302	Safety Restoration During Snow Removal; Guidelines
AV-V502	Snow Removal Techniques: Plowing Tips from the Pros
AV-V315	Snowfighting from A to Z
AV-V323	Staying Ahead of the Storm: Road Weather Information Systems
AV-V326	Straight Blade Snow Plows, Parts 1&2; Highway Sanders; Crack Sealer Operation Pts 1 & 2; Highway Sander Calibration, Tar Pot Operation; Bulldozer Preventive Maintenance
AV-V542	Strategies for Urban Wet Weather Management
AV-V339	Technical Advancements for Maintenance Workers: for Maintenance Managers and Work Crews
AV-V340	Technical Advancements for Maintenance Workers: for Chief Administrative Officers
AV-V536	Using Snow Plows on Motorgraders
AV-V374	Verglimit (Job Mixing and Laying)
AV-V375	Verglimit (Snow and Ice Removal)
AV-V376	Verglimit Profile: Tappan Zee Bridge, New York
AV-V379	Weather and Loads: The Effect They Have on Roads
AV-V381	Wetted Salt (Revised)
AV-V481	What Is Anti-Icing?
AV-V383	White Gold: An Overview of the Aspects of Snow Fighting

#### TRAFFIC OPERATIONS & TRAFFIC ENGINEERING

AV-V003 Advance Warning (Flashing) Arrow Panels: Positive Guidance; Barrier Delineation in Work Zones: the Well Defined Path  
 AV-V473 Along for the Ride: Safer Bicycling for Everyone  
 AV-V457 ARTIMIS  
 AV-V027 Better Inductive Loop Detectors  
 AV-V078 Devices  
 AV-V521 Driving Defensively I  
 AV-V522 Driving Defensively II  
 AV-V112 Flagman: Temporary Traffic Signal  
 AV-V406 Greenline Impact Test  
 AV-V128 HCM for Locals  
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 AV-V562 Managing Space and Time for Safe Driving  
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 AV-V206 New Directions in Sign Management  
 AV-V209 New Work Zone Safety Devices  
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 AV-V282 Right Before Your Eyes  
 AV-V414 Setting Speed Limits  
 AV-V561 Sharing the Road  
 AV-V436 Sign Maintenance and Installation  
 AV-V319 Special Use Traffic Control  
 AV-V392 Spirit of Trucking  
 AV-V329 Street Closures  
 AV-V342 Testing and Field Inspection of Roadway Delineation  
 AV-V347 Third Friday Report #9  
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 AV-V360 Traffic Control Signals at Intersections  
 AV-V169 Traffic Control: What Works?  
 AV-V413 Traffic Information Network, 20 Minute Traffic Ticker, Emergency Vehicles in Traffic, Reversible Lanes, Pedestrian Safety, School Bus Awareness, Bicycle Safety, Ridesharing, Safety Management Systems  
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 AV-V362 Traffic Sign Placement and Location  
 AV-V363 Traffic Signal System: Go for the Green  
 AV-V456 What is ARTIMIS?  
 AV-V390 Worldwide Traffic Sign Systems

TRANSPORTATION (GENERAL)  
 Highways, Railroads, Aviation, Transit

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AV-V145	How We Pay for America's Roads
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AV-V519	Walk!

#### WORK ZONES

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AV-V049	City Maintenance Operations
AV-V077	Developing Job Site Traffic Control Plans
AV-V078	Devices
AV-V105	Flagger, The
AV-V484	Flagger Training for Construction, Maintenance & Utility
AV-V106	Flagging
AV-V107	Flagging and the Flagger
AV-V108	Flagging Operations and Procedures
AV-V109	Flagging Procedures and Operations; Flagging: Monitoring, Maintenance, and Record Keeping
AV-V110	Flagging: Work Zone Traffic Control
AV-V111	Flagman, The
AV-V112	Flagman: Temporary Traffic Signal
AV-V113	Flagperson Certification
AV-V134	Highway Maintenance Overview, Traffic Control Work Areas, The Flagger, Traffic Control in Moving Operations, Traffic Control in Maintenance Work Areas.
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AV-V160	Installation, Inspection, and Maintenance of Worksite Traffic Control Devices
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AV-V166	Introduction to Low Speed Traffic Control
AV-V177	Low Speed Lane Closures
AV-V198	Moving and Mobile Operations

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AV-V210	Nighttime Traffic Control
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AV-V240	Pedestrians
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AV-V329	Street Closures
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AV-V340	Technical Advancements for Maintenance Workers: for Chief Administrative Officers
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AV-V358	Traffic Control on Concrete 4R Projects
AV-V359	Traffic Control Procedures
AV-V369	Unattended Work Sites
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