



TTAP Video Catalog
Phone: 1-800-252-ROAD (inside TN)
(865) 974-5255 (outside TN)
Fax: (865) 974-3889
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TTAP Drainage, Hydraulics, and Hydrology Videos

Baystate Roads Drainage Workshop

Baystate Roads Program 1988 260 minutes Video ID # 21
Covers the basic principals of highway drainage. Includes discussions on hydraulic cycles, drainage facilities, estimating runoff, sizing culverts, erosion control, installation and maintenance, and channel relocation.

Cleaning of Lined Ditches, Culverts, and Catch Basins

IRF 1985 16 minutes Video ID # 22
Proper procedures for manual cleaning of lined ditches, culverts, and catch basins are demonstrated. The seven-step procedure includes traffic control assigning the work, removing and disposing of all debris and obstructions, inspecting for damage, making minor repairs, cleaning up the work site. Also shows how to schedule the cleaning work.

Drainage Pipe Installation

PennDOT 1987 18 minutes Video ID # 23
The primary emphasis on this videotape is on proper compaction techniques. It includes a lesson plan for determining slope and grade.

Erosion Control (Module 21)

FL T2 Center Van Program 50 minutes Video ID # 210
This module outlines various methods to control soil erosion on construction sites, banks and shorelines of lakes, canals, and ditches. Topics covered include: phase construction, temporary ground cover, sediment barriers, and settling ponds.

Fabric Forms: Grout Mixtures for Erosion Control

FHWA / OK DOT 1983 15 minutes Video ID # 101
Examines the use of Geotextiles to prevent erosion on banks and slopes. Shows a project in which a concrete filled geotextile ditch liner is used to prevent erosion in and around a small creek.

Highway Runoff H2O Quality

WA DOT 1983 33 minutes Video ID # 49
Highlights a research project on this subject. Provides the basic tools to do impact evaluation of highway runoff for specific projects.

Keeping Soil on Construction Sites - Best Management Practices

Ohio Dept. of Natural Res. 70 minutes Video ID # 292
Discusses managing the erosion and pollution resulting from construction sites. Presents methods to economically control erosion and trap most sediment before it flows downstream.



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Road Drainage

Transportation Information Exch. 60 minutes Video ID # 211
Lecture series on rural road drainage covering drainage ditches, culvert design, the effect of water on roads and balancing budgets between public expectations and feasible drainage plans.

Snap-Tite™: The Polyethylene Pipe Joining System

STS Systems, Inc. 1992 9 minutes Video ID # 212
Promotional video for the Snap-Tite™ System for re-lining existing drainage pipe. Shows how the polyethylene pipe is fitted inside and existing culvert and snapped together at the seams to restore or improve drainage capacity. Shows step by step procedure for installation and outlines performance and cost savings advantages.