





TTAP Video Catalog  
Phone: 1-800-252-ROAD (inside TN)  
(865) 974-5255 (outside TN)  
Fax: (865) 974-3889  
Email: [ttap@utk.edu](mailto:ttap@utk.edu)

***Excavators--Volume 5 (Benching / Sloping)***

Equipment Training Resources      1997      12 minutes      Video ID # 281

Benching is a cut and fill process that is fundamental for performing many basic excavator operations. It is used in attaining a proper machine setup as well as pioneering roads. This video covers this fundamental of excavator operation so that operators can apply these principles to their own job.

***Heavy Highway Equipment Maintenance - Motor Grader (Module 9)***

FL T2 Center Van Program      58 minutes      Video ID # 213

This module deals with the daily maintenance of bulldozers, motor graders, and front-end loaders before, during, and after operation.

***Heavy Highway Equipment Maintenance: Front End Loader (Module 11)***

FL T2 Van Program      75 minutes      Video ID # 215

This module covers the operation of motor graders and front end loaders. It encompasses the areas of operating techniques, safety and maintenance.

***How Attachments Boost Backhoe Productivity***

Deere & Company      1989      16 minutes      Video ID # 28

Relates the functional uses of attachments on backhoes. Demonstrates how the user can do more with one piece of equipment.

***How to Get More Out of Your Motor Grader***

Deere & Company      1989      25 minutes      Video ID # 29

The motor grader is the essential tool for building and maintaining roads. This video focuses on the motor grader operator. It explains the motor grader for road construction and maintenance.

***Loader Operation (Parts 1-2)***

WA DOT      1989      33 minutes      Video ID # 30

Features pre-trip inspection, start-up procedures, loader controls and shut-down procedures. Covers are the important features of an equipment management preventive maintenance program. Features suggestions on maneuvering and operating loaders.

***Motor Grader Operations***

John Deere      1985      54 minutes      Video ID # 32

Basic functions and advantages of the hydraulic articulated motor grader. A new breed of operator is required to take full advantage of the hydraulic equipment over the mechanical motor graders of the past.



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### ***Motor Grader Preventative Maintenance***

NM Hwy & Trans. Training Academy 1995 12 minutes Video ID # 33  
Daily preventive maintenance means taking care of your equipment. The importance of reading your operating manual, routine checks before starting the machine, proper operating procedure, cool down before shut off, end of the day maintenance and proper do.

### ***Operating Tips: Hydrostatic Loader***

Caterpillar 17 minutes Video ID # 34  
Discusses the improvements of hydraulic loaders to the power shift loader. Details the workings of the hydrostatic drive system and the controls of the loader. Includes information on performing daily checks on the loaders systems.

### ***Operator Daily Maintenance of Rollers***

IRF 1985 22 minutes Video ID # 35  
Methods and procedure for operation of rollers includes the pre-start check for damaged parts, fluid leaks and filters, warm-up check for noises, steering, gauge check, sprinkler system, and daily operating check for noises, performance, and shutdown procedure of brakes, readings, fueling, lubrication and cleaning.

### ***Small Fleet Management in Public Works (Sessions 1-6)***

APWA 1992 260 minutes Video ID # 38  
Training courses for small fleet managers. The course covers various aspects of fleet management including getting the most out of the equipment, budgeting equipment money and time, dealing with other agencies and the importance of having good communication within the agency.

### ***Ten-Wheel Dump Truck***

Delaware DOT 22 minutes Video ID # 36  
Start-up operations and shut-down procedures for ten-wheel dump trucks. Transmission, gearing and shifting instructions. Emphasis on proper shut-down.

### ***Track Type Loader***

Caterpillar, Inc. 19 minutes Video ID # 217  
Promotional video about getting the most out of the Caterpillar track type earth moving equipment. Points out the many tasks that can be accomplished with the track type loaders and their inherent limits.

### ***Trenchers--Stay Alert, Stay Alive***

Equipment Training Resources 1991 13 minutes Video ID # 3  
The video provides a thorough and well organized look at the safety methods and correct practices for trenching machinery operations. Emphasizes the moment to moment safety awareness that is essential to safe trench work.

