

Activity 128 Horizontal/Vertical Drains

Description

Activity 128 involves cleaning and repairing underground drain pipes associated with draining underground water from slides or unstable ground.

General Instructions

Perform this activity to assure that the drain pipes are operating properly to drain the affected areas.

Refer to Activity 129 for subsurface drains such as french drains and subsurface drains within the subgrade area.

Periodically inspect these facilities to assure proper operation, particularly in the Fall after rains have replenished the ground water supply. Charge inspection to Activity 128, 129, or 047 as appropriate.

Clean, repair, or replace drain pipes that may be obstructed or not operating properly.

Request needed assistance and guidance from the District Manager and the Region Geologist or the Region Technical Center.

Controlling Erosion, Sedimentation, and Pollutants or Contaminants

Plan and implement methods to control erosion, sedimentation, and pollutants or contaminants, including those discussed in the Control of Erosion, Sedimentation, and Pollutants or Contaminants section of this Guide and the ODOT *Routine Road Maintenance Water Quality and Habitat Guide Best Management Practices*.

As appropriate, implement and maintain devices and processes including those described in the *Field Manual for Erosion and Sediment Control*.

Temporary Protection and Direction of Traffic

Plan, implement, and maintain traffic control as addressed in the *Traffic Control on State Highways for Short Term Work Zones* handbook.

Equipment

Select equipment as needed for the work and situation. It may be appropriate to acquire the services of a sewer or drain cleaning firm to clean obstructed pipes or the services of a drilling firm to replace failed pipes.

Materials

Materials may include:

- Devices to control erosion and sedimentation.
- Materials to repair or replace damaged or failed sections.

Work Method

1. Implement appropriate traffic control.
2. Implement appropriate measures to control erosion and sedimentation.
3. Remove debris from drain pipes.
4. Repair or replace damaged or failed sections of drain pipes.
5. Remove traffic control.
6. Dispose of removed or waste material at an appropriate location.

Measurement of Accomplishment, Expenditure Account, and Charge Activity

Measurement is lineal feet (meters) cleaned, repaired, or replaced. Expenditure account type is Highway EA.

- Charge TEAMS Activity 128 for all work.