

Activity 122 Erosion Repair

Description

Activity 122 involves the repair of damage caused by water or wind, including hauling and shaping of material to restore slope and grade lines, placing appropriate material to protect the area from further erosion, and planting or restoring vegetation to control erosion.

General Instructions

If erosion presents an immediate problem, address it promptly. If it does not present an immediate problem, schedule the repair as part of the normal workload.

Refer to the ODOT *Hydraulics Manual, Volume 2* and *Field Manual for Erosion and Sediment Control*. Work with the District Manager and the Region Environmental Coordinator for unusual situations and to determine the need for and to acquire needed permits to allow the work.

Work under this activity may involve areas that contain endangered species. Refer to the *Resource Area Maps* and comply with all restrictions for work in those areas. Seek assistance from the District Manager and the Region Environmental Coordinator as needed.

A Professional Engineer must approve some repairs, generally those where the repaired facility differs from the pre-existing structure or design. Refer to ODOT *Policy DES 05-02*.

For emergency or urgent situations, also refer to the *ODOT Emergency/Urgency Maintenance Best Management Practices User's Guide* and the *ODOT Routine Road Maintenance Water Quality and Habitat Guide Best Management Practices*.

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.

Material

Materials may include:

- Soil, granular, or other material to restore the eroded area.
- Granular or other appropriate material to protect the area from further erosion.
- Devices to control erosion and sedimentation.
- Seed, etc. or plant material to restore vegetation.

Work Method

1. Determine the proper method to perform the needed work and secure the needed materials and equipment. Work with the Region Environmental Coordinator to obtain a permit(s) if needed.
2. Implement appropriate traffic control.
3. Implement appropriate measures to control erosion and sedimentation.
4. Restore the contours of the eroded area, including placing appropriate material to protect the area from further erosion.
5. Perform seeding, etc., or plant other vegetation to establish or restore needed vegetation.
6. Remove traffic control.

Measurement of Accomplishment, Expenditure Account, and Charge Activity

Measurement is number of worker hours involved. Expenditure account type is Highway EA. Designate a subjob of 800 if the work involves bicycle path facilities.

- Charge TEAMS Activity 122 if fish passage is not involved.
- Charge TEAMS Activity 352 when repairing erosion to maintain or restore fish passage.