

Activity 124 Channel Maintenance

Description

Activity 124 involves cleaning or repairing drainage channels to maintain proper operation.

A drainage channel differs from a ditch in that a channel is a facility that collects drainage water, can be parallel or perpendicular to the roadway, and may or may not be a natural stream.

General Instructions

Repair erosion, including that caused by high water, under Activity 122.

Refer to Activities 160 and 162 for channel maintenance around bridges.

Inspect drainage channels during and after periods of heavy rainfall or runoff. Periodically inspect all drainage channels, preferably at least annually. Charge inspection to Activity 124, 129, or 047 as appropriate.

Work with the District Manager and Region Environmental Coordinator, before starting work, to acquire needed permits and to accomplish needed work to maintain or restore fish passage or habitat.

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.

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*.

For emergency or urgent situations, 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*.

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.

Materials

Materials may include:

- Devices to control erosion and sedimentation.
- Appropriate material to restore the channel and fish habitat as needed.

Work Method

1. Determine needed work, obtain permits if needed, and secure needed materials and equipment.
2. Implement appropriate traffic control.
3. Implement appropriate measures to control erosion and sedimentation.
4. Perform channel maintenance needed to restore proper function of the channel, including that needed to maintain or restore fish passage or habitat.
5. Remove traffic control.
6. Dispose of excess or removed material in an appropriate location.

Measurement of Accomplishment, Expenditure Account, and Charge Activity

Measurement is number of worker hours involved. Expenditure account type is Highway EA.

- Charge TEAMS Activity 124 if fish passage is not involved.
- Charge TEAMS Activity 354 if the work involves maintaining or restoring fish passage.