

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 Information

Refer to discussion in the General Instructions section preceding Activity 120 in this section of the *Maintenance Guide* for additional information including environmental and traffic control recommendations and other important considerations.

Repair erosion, including that which is 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.

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 *RES/RAZ Maps* and comply with all restrictions for work in those areas. Seek assistance from the District Manager and the Region Environmental Coordinator as needed.

Equipment

- Truck.
- Backhoe or excavator.
- Any other 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 required work, obtain permits if needed, and secure necessary materials and equipment.
2. Implement appropriate traffic control.
3. Implement appropriate methods of erosion, sediment, pollutants and contaminants control.
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. To prevent environmental damage, clean tools and equipment using Best Management Practices.
7. 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; use a sub job appropriate for the crew performing the work.

- Charge Activity 124.