

Activity 181 Slides or Rockfalls

Description

Activity 181 involves removing slide or rockfall material that has slid or fallen onto the roadway or system features where that material poses a hazard to the motorist. The work may include:

- Constructing and removing needed detours
- Controlling traffic at the site or directing traffic to alternate routes
- Moving, loading, hauling, and properly disposing of excess material
- Placing suitable material to help stabilize the site and help prevent further material from falling or moving onto the roadway or system
- Inspecting the site for further hazards
- Installing additional drainage features
- Repairing pavements or roadways
- Repairing guardrail, barrier, signs, or other damaged roadside features or facilities

General Instructions

This activity results from material sliding or falling onto the roadway or facility, whereas Activity 182 results from movement or failure of the roadway supporting structure.

Request assistance, from the District Manager and the Region Technical Center, in analyzing causes of and methods for repairing slides and rockfalls.

As appropriate, the District Manager should work with the Region Manager to include projects, to stabilize slide and rockfall areas, in the ODOT *Statewide Transportation Improvement Program*.

The District Manager should notify the Transportation Operations Center (TOC) with information about the situation to post on the TripCheck website when the situation impacts traffic.

When traffic will be impacted for 4 hours or more the District Manager should also notify:

- The Region Public Affairs representative and request assistance in notifying the media and other affected highway users.
- The Motor Carrier Transportation Division about any situations that restrict movement of trucks or oversize vehicles.
- The Region Manager and the State Maintenance Engineer.

Many repairs of damage from slides or rockfalls require resources or expertise not available with maintenance forces. If the situation warrants it, the State Maintenance Engineer, under ODOT *Sub-Delegation Order SUB-11*, may declare an emergency for the situation. With such declaration of emergency, ODOT may use contract methods to accomplish the needed repairs without calling for formal bids. Seek assistance from the Purchasing and Contract Management Section of the ODOT Support Services Branch.

Also refer to the Purchase and Acquisition of Goods and Services section of this Guide.

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*.

If an event has damaged a highway and immediate repairs are needed to restore the roadway or to prevent further damage, follow the instructions in the Guidance for Emergency Highway Repairs located in the *ODOT Routine Road Maintenance Water Quality and Habitat Guide Best Management Practices* and *ODOT Emergency/Urgency Maintenance Best Management Practices User's Guide*.

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 that is suited for the work and situation.

Materials

Select materials needed for the work and conditions.

Work Method

1. Implement appropriate traffic control, including detour routes if appropriate.
2. Implement appropriate methods to control erosion and sedimentation, including those that may be modified by the Guidance for Emergency Highway Repairs discussed above.
3. Perform needed work. Seek guidance and advice from the Region Technical Center as appropriate.
4. Remove traffic control.
5. Dispose of excess or waste 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. Designate a subjob of 800 if the work involves bicycle path facilities.

- Charge all work to TEAMS Activity 181.