

## **Activity 147 Pavement Marker Replacement**

### Description

Activity 147 involves replacing raised or recessed pavement markers, including inspecting at night to assess reflectivity of the existing markers.

### General Instructions

Perform this activity to maintain raised or recessed pavement markers at the level allowed by the performance budget and as described in the *Desired Conditions of Maintenance Features on State Highways*.

The Manager responsible for pavement markers should work with the District Manager to inspect existing pavement markers at night in order to assess reflectivity and determine need for replacement. Consider whether to have the replacement work performed by contract. If so, see discussion in the Purchasing and Acquisition of Goods and Services section of this Guide.

Install pavement markers according to the ODOT *Standard Drawings for Design and Construction*. Use only materials that are listed on the ODOT *Qualified Products List*.

Use pavement markers only in locations and of the appropriate type specified in the *Manual on Uniform Traffic Control Devices* and Oregon Supplements.

Refer to Activity 304 for installing pavement markers at new locations or for upgrading from raised to recessed markers.

### 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 suited for the work and situation. It may include equipment or a device to remove the existing markers and/or a device to heat the adhesive.

### Materials

Materials may include:

- Pavement markers.
- Adhesive.

Generally, materials should be on the ODOT *Qualified Products List*.

### Work Method

1. Implement appropriate traffic control.
2. Implement appropriate methods to control and contain the removed markers, their remnants, and other removed material.
3. Remove existing markers as appropriate.
4. Appropriately clean and/or treat the area where each marker is to be installed.
5. Apply adhesive, either to the pavement or to the marker as recommended by the manufacturer.
6. Install new pavement marker.
7. Protect from traffic until adhesive is set or hardened.
8. Appropriately clean tools and equipment.
9. Remove traffic control.
10. Dispose of removed or waste material at an appropriate location.

### Measurement of Accomplishment, Expenditure Account, and Charge Activity

Measurement is number of markers replaced. Expenditure account type is Highway Striping EA (use a subjob of 046).

- Charge all work to TEAMS Activity 147.