

Activity 106 Profiling and Texturing

Description

Activity 106 involves reshaping or texturing structurally sound road surfaces that have become misshapen due to surface repair, settlements, rutting, raveling, etc. It involves use of a cold planer (also called pavement miller) to improve transverse and longitudinal profiles, friction, ride, and surface drainage. It may also involve use of a diamond grinder or other profiling/texturing devices. It includes:

- Adjusting manholes, valve boxes or covers, inlets, and other structures to accommodate the profiling or texturing.
- Removing bituminous material from bridge decks to reduce dead load.
- Applying a fog seal of liquid asphalt cement, as needed, to seal the textured surface.
- Installing temporary pavement markers or markings.

General Instructions

Also refer to discussion in the General Instructions section, preceding Activity 100 in this section of this Guide, about when Activity 106 may be needed.

Perform other activities, including Activities 100 and 102, as needed to repair or restore the roadway surface, including defects discovered during the profiling and texturing work.

Refer to Activity 182 for significant or frequent repair of settlements and slides.

Locate manholes, valve boxes or covers, inlets, and other structures in the roadway surface and:

- Protect or exclude from profiling or texturing work.
- Adjust the structures to allow the profiling or texturing work, as needed, and adjust the structures afterward to match the resulting roadway surface.

If significant profiling or texturing is needed, consider having the work performed by contract methods. Refer to discussion in the Purchase and Acquisition of Goods and Services section of this Guide. The District Manager may also request the Region Manager to include a project in ODOT's Statewide Transportation Improvement Program to accomplish the work.

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*.

Also implement appropriate practices to control or contain waste material from the profiling or texturing operation, from the fog seal operation, from cleanup of tools or equipment, or other operations. Use only approved release agents in truck beds, on tires, and on tools. Do not use diesel for this purpose.

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. If manholes or other surface structures must be adjusted, assure that vehicles will not be endangered by the structures until the structures are properly adjusted.

Equipment

Equipment may include:

- Cold planer (pavement miller) or diamond grinder, with water supply.
- Trucks to haul removed material.
- Sweeper.
- Device to apply fog seal if needed.

Materials

Materials may include:

- Water for cold planer or grinder.
- Liquid asphalt for fog seal if needed.
- Temporary traffic markers or marking materials.
- Materials to adjust structures in roadway surface.

Work Method

1. Identify areas to be profiled or textured.
2. Implement appropriate traffic control.
3. Implement appropriate methods to contain or control the water from the profiling/texturing process, removed surface material, and other material.
4. Protect or adjust structures in the roadway surface to allow profiling or texturing.
5. Perform profiling or texturing needed to correct uneven roadway surface.
6. Repair deficient surfacing resulting from or discovered during the profiling or texturing work.
7. If needed, apply fog seal to profiled or textured surface.
8. Adjust structures in the roadway surface to match adjacent surface.
9. Place temporary pavement markers or markings.
10. Remove traffic control.
11. Dispose of waste or excess material in an appropriate location.

Measurement of Accomplishment, Expenditure Account, and Charge Activity

Measurement is square yards (square meters - m²) of profiling or texturing performed. Expenditure account type is Highway EA. Designate a subjob of 800 if the work involves bicycle path facilities. Also record the milepoint locations of work performed, for use by the Pavement Management System.

- Charge all work to TEAMS Activity 106.