

5-01.3(9) Portland Cement Concrete Pavement Grinding

Pavement grinding shall begin within 10-working days of placing dowel bar retrofit patching materials. Once the grinding operation has started it shall be continuous until completed. The right travel lane in the direction of traffic shall be ground first.

The pavement shall be ground in a longitudinal direction beginning and ending at lines normal to the pavement centerline. The minimum overlap between longitudinal passes shall be 2.0-inches. Ninety-five-percent of the surface area of the pavement to be ground shall have a minimum of $\frac{1}{8}$ -inch removed by grinding.

Bridge decks, bridge approach slabs and bridge overlay insets shall not be ground. The ground pavement shall be feathered to match the elevation of the above features.

5-01.3(9)A Surface Finish

The final surface texture shall be uniform in appearance with longitudinal corduroy type texture. The grooves shall be between $\frac{3}{32}$ and $\frac{5}{32}$ -inches wide, and no deeper than $\frac{1}{16}$ -inch. The land area between the grooves shall be between $\frac{1}{16}$ and $\frac{1}{8}$ -inches wide.

Perform the Work described in Section 5-05.3(12), and the following:

Where the pavement is ground, calculation of the profile index shall exclude dips and depressions in the existing Roadway. The profilograph generated reports shall be provided to the Project Engineer prior to payment. The smoothness perpendicular to the centerline will be measured with a 10-foot straight edge within the lanes. There shall be no vertical elevation differences of more than a $\frac{1}{4}$ -inch between lanes.

5-01.3(11) Concrete Slurry

All concrete slurry and grinding residue shall be removed from the Roadway on a continual basis immediately behind the grinding or cutting operations. Slurry shall not be allowed to drain across open traffic lanes and Shoulders. Slurry shall not be allowed to drain into any waterway, placed on the Roadway slope within 200-feet of any waterway, or other areas as designated by the Project Engineer. Prior to commencing grinding or cutting operations, the Contractor shall submit to the Project Engineer for approval a plan to prevent contaminants, such as grinding slurry or concrete debris, from entering ditches, culverts, or other waterways, including wetlands or aquifers.

Concrete slurry shall be collected from the Roadway and disposed of by the Contractor off the project site. The Contractor shall provide a copy of the permit for an approved waste site for the disposal of the slurry prior to the start of the grinding.

Opening to traffic shall meet the requirements of Section 5-05.3(17).