

Sub-part 8601 – Research

Chapter 02004 Pavement Smoothness Acceptance

Purpose

- 100 To outline the procedure for acceptance of new construction and pavement overlays based on pavement smoothness.
- 101 This rule summarizes MDOT's use of profiling equipment (profilograph and inertial profilers) to measure pavement smoothness for new pavement construction and overlay acceptance.
- 102 Pavement smoothness acceptance criteria for new pavement construction are outlined in the *Mississippi Standard Specifications for Road and Bridge Construction*. These specifications refer to acceptance procedures with a profilograph. Alternatively, contractors may choose to measure smoothness with an inertial profiler (lightweight or high-speed) to simulate Profile Index data. Contractors electing to utilize an inertial profiler are required to perform Departmental certification procedures for inertial profiling equipment. Any inertial profiling equipment that fails to meet the Departmental standards for data reproducibility and repeatability will not be certified and cannot be used for pavement smoothness acceptance testing on MDOT projects. Previously certified inertial profilers are required to recertify periodically in accordance with Departmental certification procedures for inertial profiling equipment. Contractors should contact the Research Division to perform this certification and for any further information.