
Special Specification 3036

Grinding Concrete Pavement



1. DESCRIPTION

Grind concrete pavement roadway to provide ride characteristics necessary for installation of a Weigh-In-Motion (WIM) System.

2. GENERAL

Provide a smooth and true finished concrete pavement surface to the established line, grade and cross-section shown on the plans. Provide a line-type texture containing parallel longitudinal corrugations that present a narrow ridge corduroy type appearance with the peaks of the ridges approximately 0.03 in. higher than the bottom of the grooves and with approximately 60 evenly spaced grooves per ft. Perform the surface test for smoothness as described in Article 3. Testing Procedures.

3. TESTING PROCEDURES

Test the transverse and longitudinal profile of the finished riding surface in accordance with the requirements below.

Use a 20 ft. straightedge. Ensure surface variations will not allow a 6 in. diameter circular plate, 0.125 in. thick, to pass beneath the straightedge. Correct irregularities exceeding the specified tolerance, as approved by the Engineer. Upon correction, retest the area to verify compliance.

4. EQUIPMENT

Prior to use, obtain Engineer's approval for equipment. Ensure equipment is capable to efficiently produce the desired results. Use a power driven self-propelled machine that is specifically designed to grind concrete pavement with diamond-impregnated grinding blades that is in good operating condition.

5. CONSTRUCTION

Submit a plan for removal of grinding residue to the Engineer for approval prior to beginning grinding operations.

6. MEASUREMENT

This Item will be measured by the square yard of complete and accepted work.

7. PAYMENT

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Grinding Concrete Pavement". This price is full compensation for manipulations and corrections; equipment, labor, tools, and incidentals.