

**SECTION 02981
GRINDING PAVEMENT**

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Procedure for grinding existing concrete pavements.

1.2 RELATED SECTIONS

- A. Section 01452: Pavement Smoothness

1.3 REFERENCES Not Used

1.4 DEFINITIONS Not Used

1.5 SUBMITTALS Not Used

PART 2 PRODUCTS

2.1 EQUIPMENT

- A. Provide and operate equipment utilizing diamond blades mounted on a self-propelled machine designed for grinding and texturing pavement.
- B. Do not use equipment that causes damage to the transverse or longitudinal joints.
- C. Use vacuuming equipment necessary to remove residue and excess water.

PART 3 EXECUTION

3.1 GRIND

- A. Grind until the surface of both sides of the transverse joints and cracks are in the same plane and meet the smoothness required.
- B. Provide a uniform finished texture.
- C. Perform grinding in a longitudinal direction. Begin and end grinding at lines normal to the pavement centerline.

- D. Do not cause damage to the underlying surface of the pavement.
- E. Provide resultant surface in a parallel, corrugated type texture consisting of grooves between 0.090 and 0.150 inches wide. Use a distance between the grooves of between 0.060 and 0.13 inches. Make peaks of the ridges approximately $\frac{1}{16}$ inch higher than the bottom of the grooves. Maintain cross slope drainage.
- F. Provide uniform transverse slope of the pavement with no depressions or misalignment of slope greater than $\frac{1}{4}$ inch in 10 ft when tested with a 10-ft straightedge.
- G. Do not grind structures.
- H. All residue from the grinding process becomes property and responsibility of the Contractor.

3.2 SMOOTHNESS TESTS

- A. Refer to Section 01452. Determine pavement smoothness with the following change.
 - 1. Provide finished pavement surface with an average profile index not greater than 2 inches per mile.

END OF SECTION