

Payment for Aggregate No. CR-14 or Portland Cement Concrete (Special) used to repair the base under the removed slab as required in these specifications or as directed by the Engineer will be paid at the contract unit price for the respective item.

Payment for each item includes all direct and indirect costs and expenses required to complete the work.

Payment will be made under:

Item No.	Pay Item	Pay Unit
3022000	Aggregate No. CR-14	Ton
50210XX	Full Depth Concrete Pavement Patch - <i>(thickness)"</i>	Square Yard
5029000	Portland Cement Concrete (Special Use)	Cubic Yard

## SECTION 503

### GRINDING AND TEXTURING EXISTING CONCRETE PAVEMENT

**503.01 Description.** This work shall consist of grinding and texturing the existing portland cement concrete pavement longitudinally as shown on the plans or as specified herein.

## CONSTRUCTION REQUIREMENTS

**503.02 Grinding and Texturing.** Grinding and texturing shall be performed on the entire surface area of the lanes specified in the plans or as directed by the Engineer. The surface on each side of the transverse joint shall be uniformly ground and textured until the surface on both sides of the transverse joints and all cracks are in the same plane and meet the smoothness required in the contract. This may require additional passes of the equipment to texture both sides of a faulted joint.

The finished surface shall have a parallel corduroy type texture consisting of grooves between 0.090 and 0.150 inch wide. The land area between the grooves shall be between 0.060 inch and 0.125 inch wide. The peaks of the ridges shall be 1/16 inch higher than the bottom of the grooves. The surface shall have a high skid number and shall not produce an excessive noise level under traffic.

The grinding and texturing machine shall be self-propelled with diamond blades, mounted on a multi-blade arbor with a minimum cutting-head width of 36 inches. The equipment shall not cause strain or damage to the underlying surface of the pavement. Equipment that causes excessive ravels, aggregate fractures, spalls, or disturbance of the transverse or longitudinal joints shall be repaired or replaced.

Upon beginning of the grinding and texturing, the Contractor shall perform a demonstration section for inspection and approval by the Engineer. Upon approval of the demonstrated texture by the Engineer, the remaining work shall be performed as approved.

The finished work shall provide satisfactory riding qualities, as determined by the Engineer. Residue from the grinding and texturing operation shall be removed from the roadway and shall not be permitted to flow across shoulders or lanes occupied by traffic or flow into gutters or other drainage structures. Solid residue shall be removed from the pavement surface before such material is blown by the action of traffic or wind. The pavement shall receive a final sweeping with power equipment before opening to traffic.

After completion of grinding and texturing, the pavement surface will be tested by the Department for smoothness and rideability. The pavement shall meet the requirements for smoothness and rideability of new pavement specified in Subsection **501.28**.

**503.03 Method of Measurement.** The quantity measured for payment under this section shall be the number of square yards of grinding and texturing completed and accepted, and measured in place along the surface of the road and ramps. Grinding and texturing performed outside the areas designated shall be disregarded in computing the number of square yards.

**503.04 Basis of Payment.** The area measured as provided in Subsection **503.03** will be paid for at the contract unit price for Grinding and Texturing Existing Concrete Pavement, which price and payment shall be full compensation for furnishing all materials, equipment, tools, labor, and incidentals necessary to satisfactorily complete the work including satisfactory disposal of waste materials.

Payment for this item includes all direct and indirect costs and expenses required to complete the work.

Payment will be made under:

Item No.	Pay Item	Pay Unit
5031000	Grinding and Texturing Existing Concrete Pavement	Square Yard

## SECTION 504

### CLEANING AND RESEALING OF JOINTS IN PORTLAND CEMENT CONCRETE PAVEMENT

**504.01 Description.** This work shall consist of the rehabilitation of joints and cracks in portland cement concrete pavements by cleaning, preparing for and placing the specified sealant.

#### MATERIALS

**504.02 Materials.** Materials used in this work shall meet the requirements of Section **501**. Selection of the sealant material shall be in accordance with the following table: