
Special Specification 5062

Patching Milled Concrete Rumble Strips



1. DESCRIPTION

This Item governs the patching milled concrete rumble strips. It includes cleaning, priming, and patching the milled groove for rumble strips on concrete pavement. It includes furnishing the patching materials.

2. MATERIALS

Provide polymeric patching material that meets material requirements of DMS-6170, "Polymeric Materials for Patching Spalls in Concrete Pavement", Type II Material, and matches the color of the pavement. The patching material must also meet the following minimum performance requirements:

- Compressive Strength at 24 Hours (ASTM C 579, Method B): 4500 PSI
- Must be able to carry traffic within 3 hours of placement

3. WORK METHODS

Submit for approval product specifications, product data sheets, and installation instructions from the manufacturer to the Engineer prior to beginning work. Clean and prepare area to receive patching material in accordance with manufacturer's specified instructions. Dry and abrasive blast the repair area to ensure it is free from moisture, dirt, grease, oil, or other foreign material that may reduce the bond. Remove dust from the abrasive blasting operation. Apply duct tape in a symmetrical manner at the perimeter of rumble strips to obtain a uniform appearance. Apply primer to surface where patching material is to be placed, in accordance with manufacturer's recommendations. Reapply primer if conditions change before placing patching material. Mix, place, and cure material in accordance with manufacturer's recommendations. Begin placement of material at the lower end of sloped areas. Screed polymeric patching material to conform to the roadway surface. Provide a non-skid finish with a notched trowel.

4. MEASUREMENT

This item will be measured by the linear foot. Measurement will be along each edge of roadway that is to be patched.

5. 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 "Patching Milled Concrete Rumble Strips". This price is full compensation for surface preparation, priming, and patching milled concrete rumble strips; for furnishing and placing all materials; for disposal of all materials removed; for additional material that may be required due to spalled grooves and for all labor, tools, equipment and incidentals necessary to complete the work.