

Designer Note: This special provision should be inserted into contracts containing SINUSOIDAL RUMBLE STRIPS, 14 INCH.

SINUSOIDAL RUMBLE STRIPS (BDE)

Effective: January 1, 2026

Revise Section 642 of the Standard Specifications to read:

"SECTION 642. RUMBLE STRIPS

642.01 Description. This work shall consist of constructing rumble strips into new or existing pavement.

642.02 Equipment. The equipment shall be a self-propelled milling machine with a rotary-type cutting head(s). The cutting head(s) shall be suspended from the machine such that it can align itself with the slope of the pavement and any irregularities in the pavement surface. The teeth of the cutting head(s) shall be arranged to provide a smooth cut, with no more than a 1/8 in. (3 mm) difference between peaks and valleys.

Prior to commencement of the work, the Contractor shall demonstrate the ability of the equipment to achieve the desired results without damaging the pavement.

CONSTRUCTION REQUIREMENTS

642.03 General. The rumble strips shall be cut to the dimensions shown on the plans.

Rumble strips shall be omitted within the limits of structures, entrances, side roads, entrance ramps, and exit ramps. In Portland cement concrete, rumble strips shall not be placed within 6 in. (150 mm) of transverse joints.

Cuttings resulting from this operation shall be disposed of according to Article 202.03 and the pavement swept clean.

642.04 Method of Measurement. This work will be measured for payment in place in Feet (Meters) along the edge of pavement for shoulder applications and along the centerline of pavement for centerline applications. Measurement will include both the cut and uncut sections of the rumble strips with exceptions for bridge decks, approach slabs, turn lanes, entrances, and other sections where rumble strips have been omitted.

642.05 Basis of Payment. This work will be paid for at the contract unit price per Foot (Meter) for SHOULDER RUMBLE STRIPS, 8 INCH; SHOULDER RUMBLE STRIPS, 16 INCH; or SINUSOIDAL RUMBLE STRIPS, 14 INCH."