

Designer Note: Use for permanent installation of rumble strips across a lane in advance of stop signs where warranted. Check with Traffic on usage/spacing of strips. Include CADD detail on layout of rumble strips. Pay Item is Z0055500, Rumble Strip. This is not intended for shoulder rumble strips.

### **GROOVED-IN RUMBLE STRIP**

Effective November 16, 2007      Revised July 30, 2010

This work shall consist of the construction of grooved-in rumble strips at locations as detailed in the plans.

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 surface irregularities. The teeth of the cutting head(s) shall be arranged to provide a smooth cut, with no more than an 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.

The rumble strips shall be cut to the dimensions shown on the plans. Guides shall be used to ensure consistent alignment, spacing and depth. In Portland cement concrete, rumble strips may be formed according to the details shown on the plans immediately after the application of the final finish.

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

This work will be measured for payment in Square Feet (Square Meters). Measurement will include both the cut and uncut (formed and unformed) sections of the rumble strips.

This work will be paid for at the contract unit price per Square Feet (Square Meter) of the actual treated area for RUMBLE STRIP.