

STATE

OF

TENNESSEE

March 1, 2006

**SPECIAL PROVISION**  
**REGARDING**  
**SCORING FLEXIBLE PAVEMENT**  
**AND**  
**PAVEMENT MARKING**

**Description.** The work under this section consists of constructing scored pavement (rumble strips) on paved highway shoulders by cutting 10-13 millimeters (3/8 - 1/2 inch) deep depressions into the finished asphalt surface. After the pavement has been scored, the permanent pavement marking shall be applied in the scored pavement.

**Equipment.** The equipment shall consist of a rotary-type cutting head. The cutting head shall have the cutting tips arranged in such pattern as to provide a relatively smooth cut (approximately 1.5 millimeters (1/16-inch) between peaks and valleys). The cutting head(s) shall be on its own independent suspension from that of the power unit to allow the tool to self-align with the slope of the shoulder and/or any irregularities in the shoulder surface and shall be equipped with guides to provide a consistent alignment of each cut in relation to the roadway.

**Construction.** The rumble strips shall be cut into the finished shoulder, after all paving has been completed. The debris (grindings) generated from the cutting shall be picked up on a daily basis by use of a sweeper/vacuum or other method approved by the Engineer. The debris shall be picked up prior to opening the adjacent lane to traffic and prior to placing any pavement marking material.

The scored pavement shall have finished dimensions of a 150 +/- 13 millimeters (6 +/- 1/2-inch) width in the direction of travel and shall have a minimum length of 400 millimeters (16 inches) of full depth cut measured perpendicular to the direction of travel. The edge parallel to the direction of travel shall be cut vertically. The scoring shall be spaced 300 +/- 25 millimeters (12 +/- 1 inches) center to center along the direction of travel. The inside edge of the scored pavement shall be located at the edge of the specified lane width, and the pavement marking material shall be placed continuously in-and-out of the scored pavement.

The depressions shall have a minimum 10 millimeters (3/8-inch) depth at center with a maximum allowable depth of 13 millimeters (1/2-inch).

The Contractor shall demonstrate to the Engineer the ability to achieve the desired surface inside each depression without tearing or snagging the asphalt prior to beginning the work.

**Method of Measurement.** Scoring Pavement will be measured longitudinally along the edge of each individual scoring sequence.

**Basis of Payment.** The accepted quantities will be paid for at the contract unit price per kilometer (linear mile) for Scoring Pavement which price shall be full compensation for all equipment, tools, labor and any other incidentals necessary to complete this work.

The pavement marking material will be paid for under other bid items.

