

SECTION 02761

LONGITUDINAL RUMBLE STRIP

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Materials and procedures for constructing longitudinal rumble strip on the final roadway surface.

1.2 ABBREVIATIONS

- A. HMAP - Hot Mix Asphalt Pavement
- B. PCCP - Portland Cement Concrete Pavement

PART 2 PRODUCTS

2.1 EQUIPMENT - HMAP/ PCCP GRINDER

- A. Construct longitudinal rumble strip with equipment using a rotary type cutting head, capable of obtaining the required groove width in a single pass while moving in the same direction as the flow of traffic.
 - 1. Use equipment with cutting head(s) having independent suspension from the power unit to allow the head to self align with the slope of the shoulder.
 - 2. Use cutting head(s) that provide a smooth surface (approximately 1/16 inch between peaks or valleys).
- B. Apply asphalt flush coat at a uniform rate of 0.10 gal/yd² diluted two parts concentrate to one part water by the manufacturer.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Construct longitudinal rumble strip to the dimensions and spacing as shown on Standard Drawings PV 6 and PV 7.
 - 1. Establish lane widths of 12 ft prior to the installation of longitudinal rumble strip.

2. Construct longitudinal rumble strip prior to the placement of Chip Seal Coat, if required.
- B. Provide a positive means of controlling the alignment.
1. Alignment of the edge of the pattern will be randomly verified by the Engineer.
- C. Construct a 500 ft long test section to demonstrate that the equipment, personnel and methods of operation are capable of producing acceptable results.
1. Do not proceed with work until it is demonstrated that the required dimensions, alignment and smoothness can be achieved without tearing or otherwise damaging the pavement.
 2. Repair or replace pavement as determined by the Engineer if the test section is unacceptable.
- D. Remove resulting debris prior to opening the adjacent lane to traffic.
1. Dispose of material in accordance with all Federal, State and Local regulations and in a manner acceptable to the Engineer.

END OF SECTION