

## 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/yd<sup>2</sup> 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 PV series Standard Drawings.
  - 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