

TRANSVERSE RUMBLE STRIPS GUIDELINES

Purpose

To define conditions where transverse rumble strips (TRSs) will be used on the state highway system.

Background

Transverse rumble strips are a countermeasure designed to reduce the occurrence of single and multi-vehicle crashes that occur as a result of inattentive motorists approaching stop-controlled intersections or horizontal curves. TRSs alert drivers as their vehicle passes over the strips through noise and vibration. TRSs are placed in the lane and generally transverse more than two-thirds of the travel path perpendicular to the direction of travel. TRSs, which are typically raised rumble strips, have also been referred to as in-lane rumble strips.

Recommended Usage

- TRSs should only be used where unexpected traffic stops occur or at high incident locations where all traditional warning devices have been used or proven ineffective through field evaluation.
- If used, preformed raised rumble strips are recommended and should be white.
- If used, TRSs should be installed as outlined on the attached standard sheet.
- Consideration should be given with regard to the noise levels associated with the installation of TRSs near residential areas, schools, churches, etc.