

Chapter 3. Rumble Strip Installation Methods

3-1 Installation

Because rumble strips are installed by a continuously moving installation vehicle, particular care is needed to ensure the safety of passing vehicles. Worker safety and installation efficiency also are required. To ensure safety, follow *The Guidelines for Installing Road Safety Facilities* and other documents, and consult with relevant agencies.

Explanation

● Rumble Strip Installation Methods

These draft guidelines focus on milled rumble strips, which are installed using a road surface milling machine. Photos 3-1 and 3-2 show typical machines used for rumble strip installation. Rumble strip milling machines are available in various specifications in the United States. In Japan, small milling machines with a cam guide wheel (a non-circular wheel) are used. The cam causes the milling drum to move up and down as the machine moves forward.

Only asphalt pavements are milled. Concrete pavements are unsuitable for milling installation of the strips. Care shall be taken during installation to avoid damaging manholes, drainage culverts, the expansion joints of bridges, and other road accessories and structures.

The choice of installation machine shall take into consideration the installation locations on the road, the site conditions, and the specifications indicated in the installation plan.



Photo 3-1: Rumble strip installation machine



Photo 3-2: Rumble strip installation machine (high-performance model)



Photo 3-3: Rumble strip installation machine (for road shoulders)