Proven Safety Solutions

RUMBLE STRIPS & STRIPES

What are rumble strips and stripes?

- Rumble strips are a **simple, low-cost safety feature** with a powerful impact. Installed along the centerline or edge of a roadway, they create **audible and vibratory feedback** when a driver drifts from their lane. That instant alert helps **prevent crashes** caused by drowsiness, distraction, or inattention.
- Rumble strips **save lives, cost little**, and require **almost no maintenance**, making them one of the most effective roadway safety tools available.

How do they improve safety?

Grooves or raised elements on the road surface create noise and vibration to **alert drivers** who drift out of their lane.

Where are they used?

On the shoulder, along the edge line, or along the center of undivided roads.

Rumble strips are particularly effective on **rural roads** with high-speed limits and low visibility.

Office of POLICY PLANNING
Florida Department of Transportation

Did you know?

Lane departure crashes, or when vehicles veer off the road, cause **over 30% of Florida roadway fatalities and serious injuries**. Studies show that rumble strips can help prevent:

44% to 64%
of fatal and injury head-on crashes on two-lane rural roads

13% to 51%
in single-vehicle, run-off-road crashes on two-lane rural roads

(Source: FHWA)

Are they easy to **install**?

Yes, especially when bundled with resurfacing projects.

Adding rumble strips to planned resurfacing work makes them **affordable** and **easy** by eliminating the need for separate crews or setup.

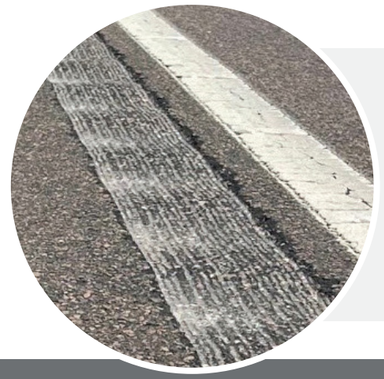
Rumble strips can also be installed as a standalone project **on roads where improvements are urgently needed** to address lane departure crashes.

Are they **expensive**?

*They are relatively low cost but have outsized benefits, with a **benefit-to-cost ratio of 100:1**.*

(Source: FDOT)

Milled rumble strips typically require **little to no maintenance** over the life of the pavement.



Innovations in Rumble Strips

Newer “mumble strips” are designed with a wavy pattern that reduces any noise outside of the vehicle, minimizing unintended noise for the surrounding community and environment.

Scan to learn about Florida’s Rumble Strips