



Image source: Safe System Solutions Pty Ltd

FACTSHEET 8

TRANSVERSE RUMBLE STRIPS

Transverse rumble strips are laid across a travel lane and are used to warn motorists of a potential hazard by creating a noise and vibration feedback to a driver when traversed by a vehicle.

Application

Transverse rumble strips may be used on the minor approach to priority-controlled intersections and railway level crossings.

Transverse rumble strips have the potential to provide the greatest benefit at on minor road approaches where sight distance is limited, or the conspicuity of the intersection is low.

Implementation considerations

- Providing groups of transverse rumble strips may increase the speed reducing effect of this intervention.
- The longitudinal placement of rumble strips should support intersection warning signage.
- The characteristics of the existing sealed surface (age, material, condition) should be considered for installation of rumble strips.
- Design should consider the potential for nuisance noise from rumble strips in proximity to sensitive land uses such as residential properties.
- Design should consider the possibility of vehicles using the opposing lane to avoid the rumble strips.
- Rumble strips on a curve can create a slip hazard for motorcyclists.

Safe system category

Supporting

Effectiveness

Transverse rumble strips have been found to provide small reductions in approach speed.

Target road user groups

Passenger Vehicles, Motorcyclists,
Heavy Vehicles

Target crash type

Intersection

Indicative cost

< \$0.1 M per site



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