



Safety standard

Rural roads with Annual Average Daily Traffic (AADT) greater than 4,000 vehicles per day, shall have a Wide Centre Line Treatment (WCLT) and Audio Tactile Line Marking (ATLM).

Safety countermeasure

Head-on crashes account for about 8% of serious road casualties across Australia.

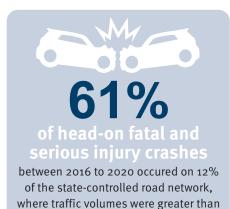
The highest risk of head-on fatalities is on high-speed roads with high traffic volumes. Fatigue and distraction also increase the risk of a head-on fatality. A 100mm wide single-barrier centreline provides very little protection if a vehicle departs from its traffic lane to the right.

- Wide Centre Line Treatment (WCLT) improves safety by increasing the separation between vehicles travelling in opposite directions with a wider centre line.
- Audio Tactile Line Marking (ATLM) alerts motorists through both sound and vibration when they are veering out of their lane towards oncoming traffic or the edge of the road.

Safety outcome

A properly installed WCLT (see Figure 1) is estimated to provide a head-on crash reduction of about 60% on high-volume rural roads.

For guidance, refer to *Road Planning and Design Manual (RPDM) 2nd edition Volume 3 Part 3 Geometric Design*, Table 3-G 1 regarding WCLT widths, and *MRTS45 Specification for Road Surface Delineation*, which indicates the basis for exceptions due to noise.



4,000 vehicles per day.



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