



FACTSHEET 4

AUDIO TACTILE LINE MARKINGS

Audio Tactile Line Markings (ATLM) provide drivers with an audible and haptic response when traversed. They are commonly used along edgeline and centreline markings to warn errant drivers before they deviate outside of their travel lane.

Application

ATLM should be considered on high-speed roads (80 km/h or higher).

Implementation considerations

- The characteristics of the existing sealed surface (age, material, condition) should be considered for installation of ATLM.
- A minimum sealed shoulder width of 0.3 m should be provided outside of the edgeline ATLM.
- Design should consider the potential for nuisance noise from ATLM in proximity to sensitive land uses
- Black ATLM can be used to obtain continuous ATLM in centrelines and to get offset from edgeline to lessen nuisance contact.
- Timing of ATLM installation with respect to pavement resealing and rehabilitation works should be considered.
- Consider ATLM renewal timeframes.

Safe system category

Supporting

Effectiveness

Low – Moderate (10-25% CRF)

Target road user groups

Passenger Vehicles, Motorcyclists, Heavy Vehicles

Target crash type

Lane departure

Indicative cost

\$0.01M - \$0.05M per km

Inter-pillar link

Safe People - Fatigue



Image source: Safe System Solutions Pty Ltd



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