



- Used to be an informal meeting of road authorities to discuss pavement markings.
- Austroads formalised the RAPMG (includes road authorities from Australia and New Zealand)
- Part of Austroads Assets Taskforce Group
- Main aim is to harmonise pavement markings and specifications and trials
- Unable to achieve the aims for many years despite the will to do so



Roads Australia

- Around April 2015 Roads Australia prepared a Report on Technical Specifications and Procurement.
- Report contained 6 Recommendations :-
- Road safety barrier installation accreditation and training
- Road line marking technical specifications *
- Traffic control at road work sites *
- Procurement
- Asphalt and pavement technical specifications
- To set a pipeline of next priority technical specifications to consider for harmonisation/standardisation



Roads Australia

Recommendation 4 – That road line marking be standardised across Australia.

Issue: Road line marking is an area that could be harmonised and would assist all state/territory governments and the private sector. Currently all states/territories have different requirements for road line marking.

ACTION:

RA to convene a meeting with road agency representatives, Austroads and the Roadmarking Industry Association of Australia to define the practical steps towards the harmonisation of road line marking specifications.



- RAPMG initiated contact with Roads Australia in 2016
- Submitted a project proposal to Austroads to harmonise longitudinal pavement and prepare a draft National Specification
- Austroads approved project AAM2111 for the harmonisation of pavement marking and national pavement marking specification.
- The group consisted of all Australian road authorities and NZTA.
- The group liaised and sought comment from RIAA and industry representatives and Roads Australia



- RAPMG discussed widths of individual lines in AS1742.2 and over time agreement reached.
- National Specification for longitudinal line marking prepared with key clauses to be adopted by road authorities
- Agreement reached on width of STOP and GIVE WAY lines



- Agreement reached on ATLM
- Agreement reached on pavement arrows
- Agreement reached on pavement numerals and letters
- Agreement reached on the use of barrier lines on short sharp curves or crests instead of special purpose lines
- Agreement reached on the use of barrier lines to separate multi lane roads instead of broken lines (6.0 m stripe and 6.0 m gap)



- RIAA and RAPMG met in early May 2018 to discuss the report.
- After the meeting with the RIAA the RAPMG met to finalise the report and specification.
- Report and Specification sent to Austroads for approval to publish.
- Next step review AS 1742.2 Section 5 Pavement Marking.

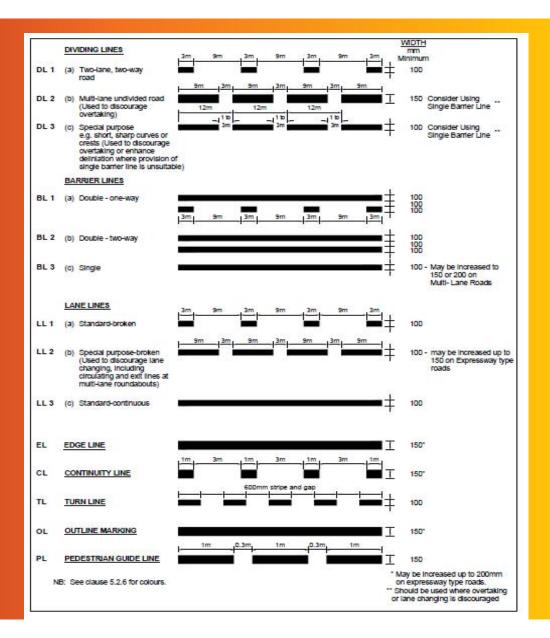


Standards Australia MS-012 Committee

- Standards Australia has given approval to review AS 1742.2.
- AS 1742.2 will be amended to reflect the new line widths, pavement arrows, fonts, audio tactile line marking (edge and centre) and wide centreline treatments.
- RAPMG has written to Standards Australia to include B-HR class beads and update the Standard for thermoplastic to give better on road performance.
- CSIRO / APAS is also reviewing the specification for thermoplastic. May see 3 different specs for thermoplastic tropical, cold climate and profile.



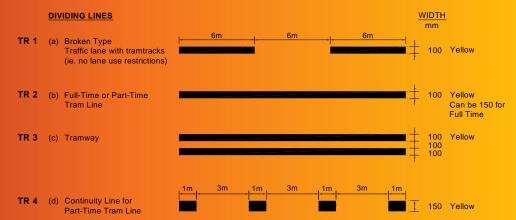
Line Widths





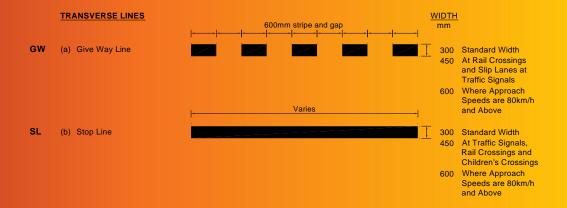
Tram Lines

TRAM AND TRAMWAY LINES (Traffic Lane with Adjacent Tram Track)



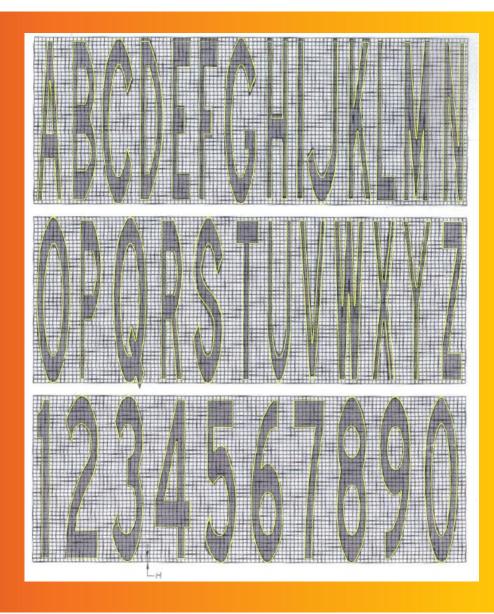
These lines are covered in AS1742.12 Bus, Transit and Truck Lanes

Transverse Lines



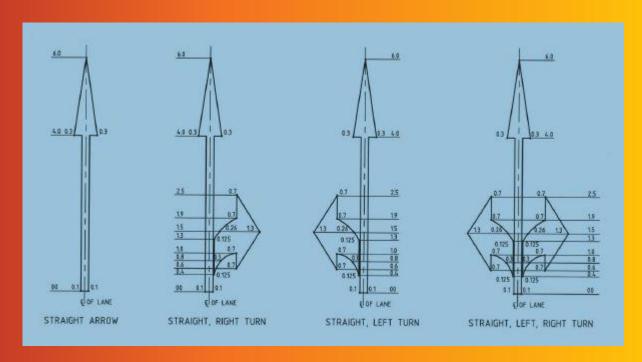


Numerals and text (fonts)



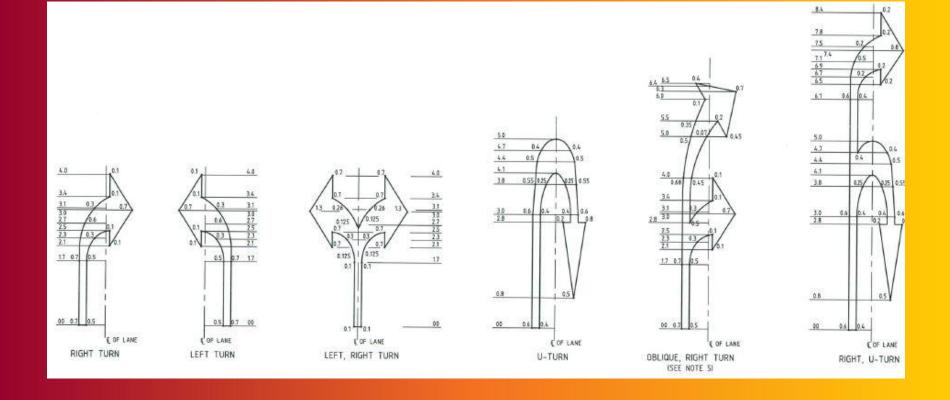


Pavement Arrows





Pavement Arrows





Audio Tactile Line Marking (ATLM)

- Edge line
- Centre line
- Wide centre line treatments (generally 1.0 m wide)
- Maintenance of ATLM still an issue



National Specification

- APAS approved products
- PCCP
- B-HR, C-HR and D-HR surface applied beads (Standards Australia requested to include B-HR)
- Thermoplastic with improved on road performance (tropical, cold weather and profile specification)



National Specification

- Cold Applied Plastic (CAP)
- Skid 45 BPN or higher (or equivalent)
- Assessment for Retroreflectivity of Longitudinal and Transverse Pavement markings



National Specification – Work in Progress

- Transverse markings
- Coloured surfacing



What Next

- Harmonise as much as possible pavement marking treatments such as painted medians
- APAS specifications for glass beads
- APAS specifications for temporary tapes, permanent tapes, temporary flaps etc.







- Reviewed and published 2015.
- SWTC includes reference to AS1744 therefore all new contracts require the new fonts for guide / direction / reassurance signs
- The new font is the FWHS Series 2000 font



AS1743

- Reviewed and published March 2018.
- The new font is the FWHS Series 2000 font
- Have emailed all sign manufacturers that from Jan 1 2019 all small signs must be manufactured using AS1743 - 2018



Innovation Signs and Pavement Marking

- Vehicle activated signs
- Cold Applied Plastic (CAP) Armadale Road (will be performance based / outcomes)
- Audio tactile centre line
- 600 mm and 1.0 m wide centre line treatments
- KEEP ME INFORMED