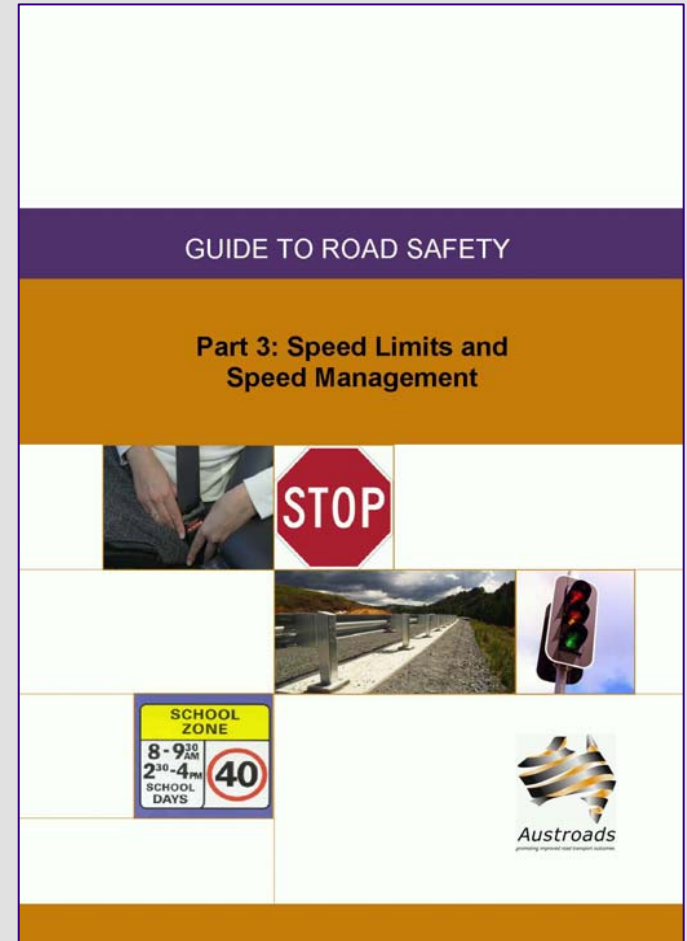


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Guide to

Road Safety



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Parts of the Guide to Road Safety

Part 1 Road Safety Overview

Part 2 Road Safety Strategy and Evaluation

Part 3 Speed Limits and Speed Management

Part 4 Local Government and Community Road Safety

Part 5 Road Safety for Rural and Remote Areas

Part 6 Road Safety Audit (update of existing guide)

Part 7 Road Network Crash Risk Assessment and Management

Part 8 Treatment of Crash Locations (update of existing guide)

Part 9 Roadside Hazard Management

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Overview

- road safety is a major strategic area for Austroads
- reduction in road trauma is a key objective of all Austroads members
- the Guide aims to provide 'best practice' to assist organisations and practitioners achieve this objective
- the Guide, in association with other key Austroads guides, seeks to provide road safety practitioners with the knowledge resource that will assist in creating a *Safe System*

A safe system makes allowance for human error and minimises the consequences, especially the risk of death or serious injury

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Overview (contd)

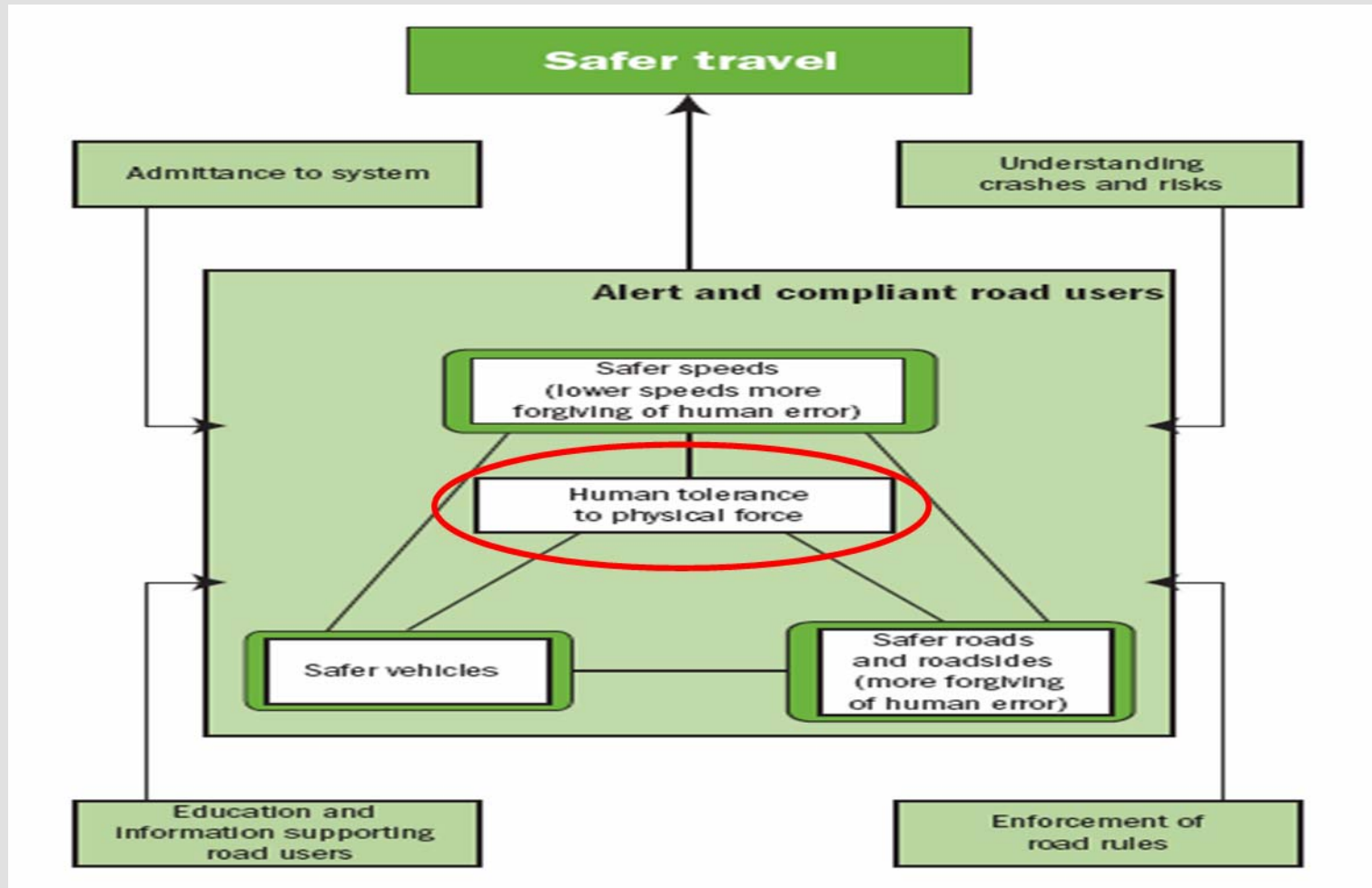
- the Guide updates earlier road safety Austroads publications
- the Guide also provides guidance on other key road safety issues
- the Guide does not cover all aspects of road safety:
 - still the need for research and reports that provide new *road safety* information
 - future research may eventually form the basis of a new part

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Australia's Safe System



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Principles of Australia's Safe System Approach

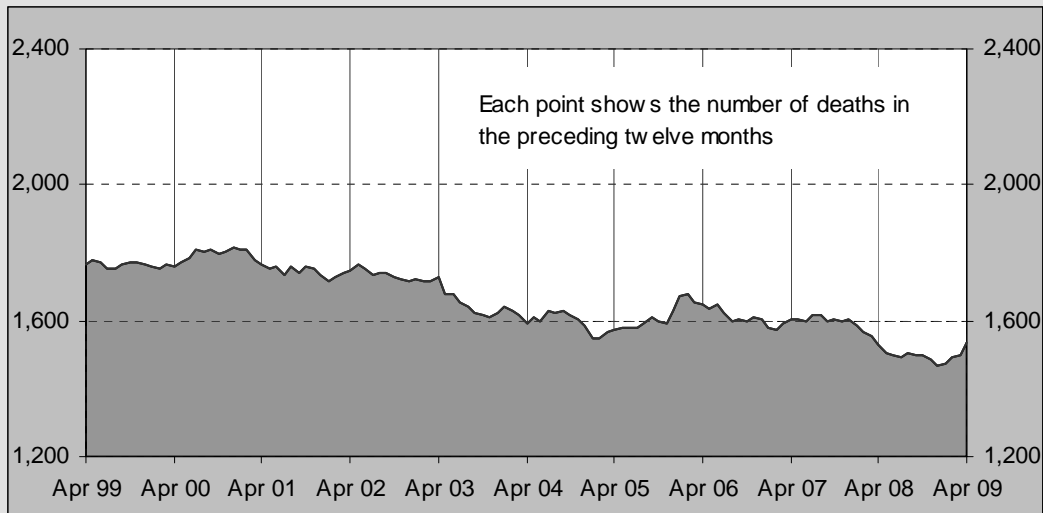
- Requires alert and compliant road users
- Alert and compliant users inevitably make mistakes
- Allow for those mistakes, and minimise the consequences
- Roads and vehicles should be designed and managed to:
 - reduce the risk of crashes
 - reduce serious injury or death if a crash occurs
- There are limits
 - to the forces humans can withstand in a crash
 - to the physical energy that can be absorbed by protective systems
- Speed management is a critical factor in limiting the impact energy of crashes

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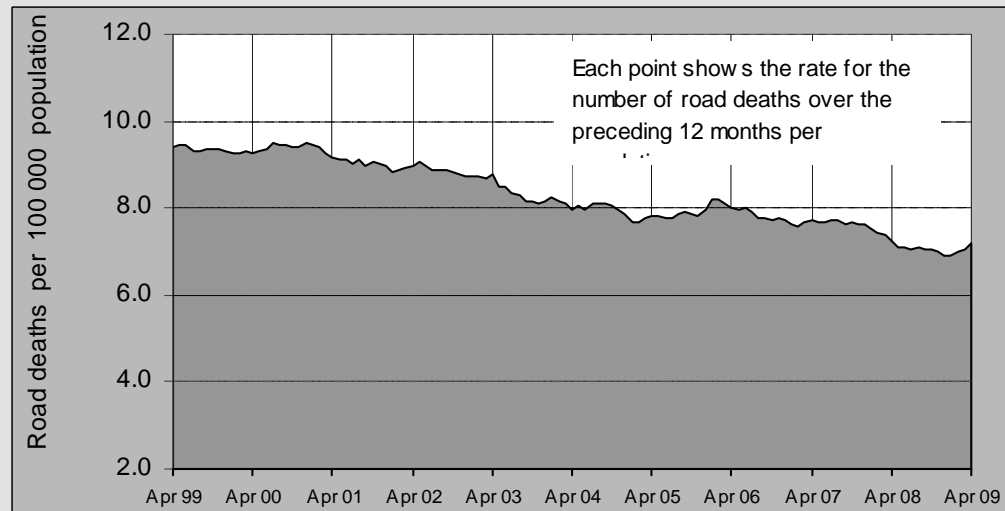


Road Deaths in Australia



Australian road deaths for 12 months to April 2009 – last 10 years

Australian road deaths per year per 100 000 population – moving 12-monthly data

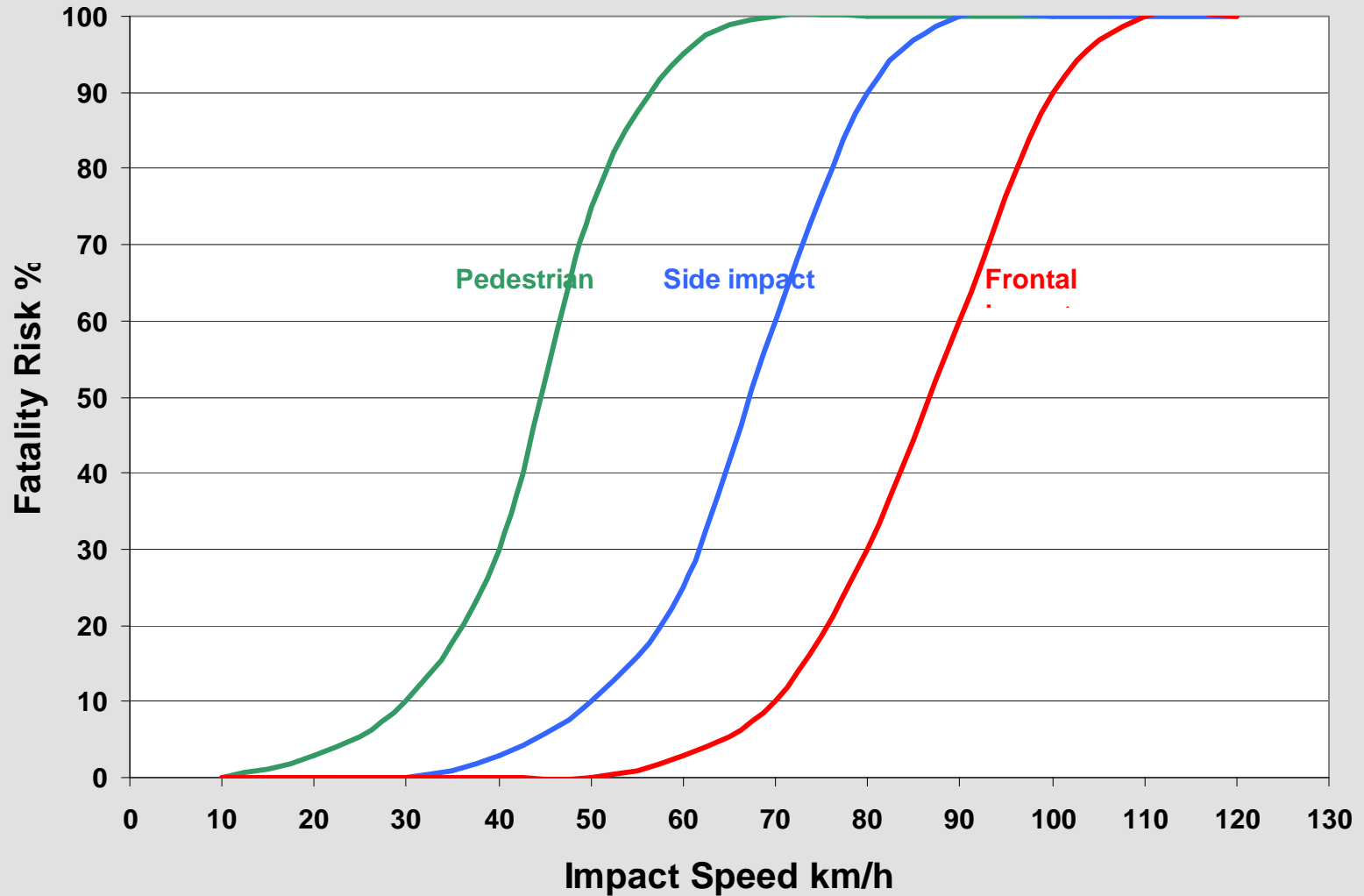


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Speed Management



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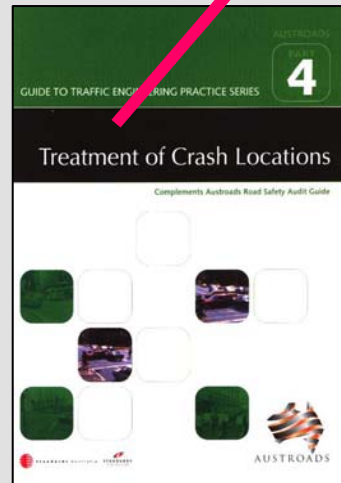
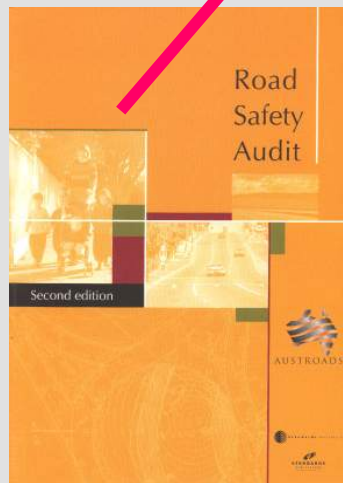


Part 6 and Part 8 are updates of existing guides

Part 6



Part 8



What's different ?

- *Safe System* philosophy included
- designing for *Safe Speed* included
- updating of legal aspects
- update of case studies
- update of crash costs
- removal of duplicated or unnecessary material
- upgraded drawings
- method of economic appraisal reviewed (Part 8)
- inclusion of DCA/RUM crash charts for all jurisdictions included (Part 8)

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The new parts of the Guide to Road Safety

New best practice parts

- Part 1 Road safety overview
- Part 2 Road safety strategy and evaluation
- Part 3 Speed limits and speed management
- Part 4 Local government and community road safety
- Part 5 Road safety for rural and remote areas
- Part 7 Road network crash risk assessment and management
- Part 9 Roadside hazard management

Some important parts are....

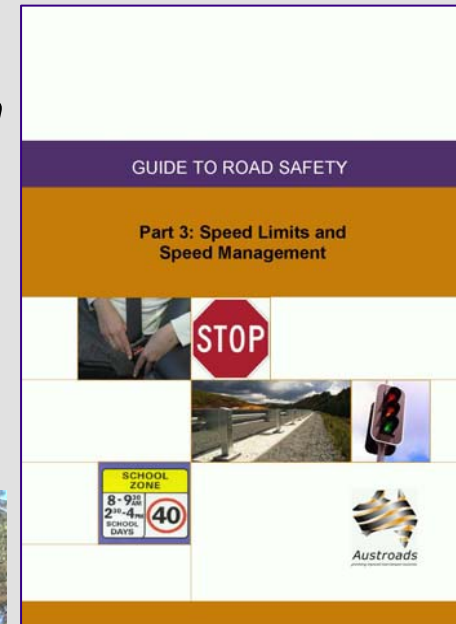
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Part 3 Speed Limits and Speed Management

- explains why speed management is important
- highlights the importance of speed in a *Safe System*
- provides the linkage between speed and crashes
- defines and describes different types of speed limits
- describes the factors to be considered when choosing a speed limit



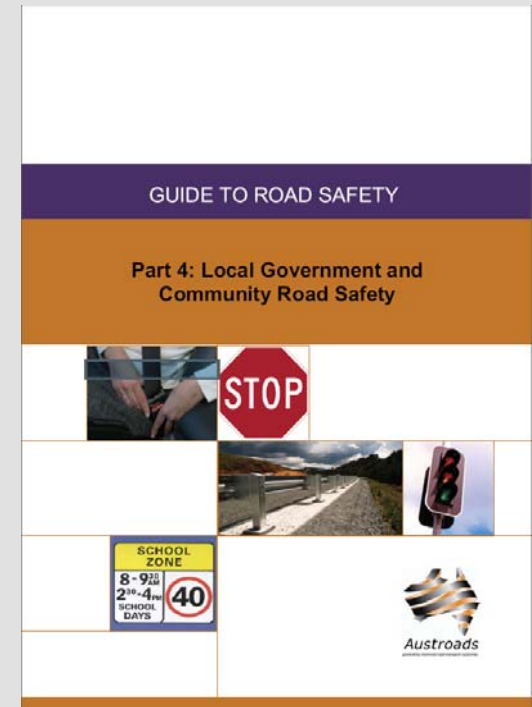
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Part 4 Local Government and Community Road Safety

- describes the role of Local Government
- outlines strategic partnerships and capacity building
- provides guidance for the development a local road safety strategy
- describes strategy implementation and mobilisation of resource case studies
- outlines road safety program evaluation and review



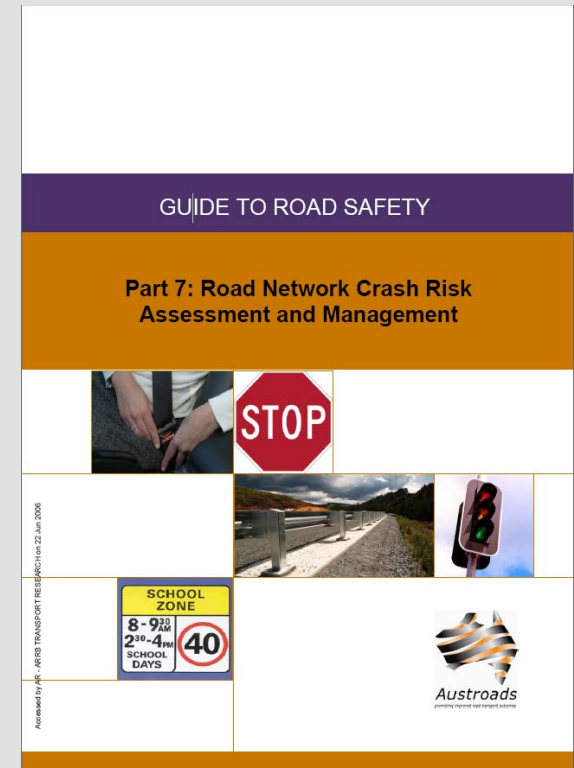
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Part 7 Road Network Crash Risk Assessment and Management

- provides the principles of crash risk and its management
- identifies and analyses crash risk
- evaluates and prioritises crash risk
- provides guidance in the treatment and monitoring of crash risk



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Promotion of the new guide

- Seminars and Workshops
 - in association with road authorities, ARRB currently running workshops for Part 4: Speed Limits and Speed Management
 - workshops will be progressively held for the remaining parts to the Guide to Road Safety
- the guide and its parts will continue to be the subject of conference presentations (e.g. AITPM, IPWEA and the Australasian Road Safety Research, Policing and Education Conference)
- the guide is promoted as part of the Austroads/ARRB Technical Research Program Roadshow
- the guide is publicised and promoted on the Austroads and ARRB web sites.

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