

## [Austroads Guide to Road Safety](#)

The Austroads Guide to Road Safety is currently under development and will consist of nine parts, with six parts already available through the [Austroads publications website](#). The Guide to Road Safety provides comprehensive coverage of road safety issues for practitioners involved in traffic engineering, road design and road safety. It is part of a comprehensive range of publications which are available to assist road and road transport authorities in the planning, design, construction, maintenance, operation and stewardship of roads.

The nine parts of the Guide to Road Safety include:

### ***Part 1: Road Safety Overview***

*An overview of the Guide to Road Safety and discussion of road crash costs and road authorities' duty of care to provide safe travel. The advantages and disadvantages of different ways of measuring road safety are discussed and the Safe System approach as a conceptual framework for road safety management is explained, along with the merits of an evidence-based approach to countermeasures.*

### ***Part 2: Strategy and Evaluation***

*Provides guidance about the process of strategy development, monitoring and evaluation. It also outlines options for strategy development and the value of a 'vision' in driving strategy development. The value of setting targets is discussed, together with the appropriate performance indicators and analysis methods. Advice is provided regarding the implementation process and the essential contribution of monitoring and evaluation is explained.*

### ***Part 3: Speed Limits and Speed Management***

*An overview of speed limits and their application as a speed management tool. The use of appropriate speed limits is an integral part of a safe road system. They are a speed management tool used to improve road safety, while maintaining the efficiency of the road network. Within the context of a safe road system, speed limits need to reflect the varying types of road users, the road environment, types of vehicles driven and the safety, amenity and economic needs of the community.*

### ***Part 4: Local Government and Community Road Safety – due for release August 2008***

*Provides an overview of how local government and community road safety programs are structured in Australia and New Zealand, what types of activity they involve, and how they contribute to road safety outcomes. It outlines the conceptual basis for community road safety and its potential benefits, describes its objectives and the institutional arrangements necessary to sustain it, discusses the difficulties associated with evaluating programs at the community and local government level, and provides links to successful programs and available resources.*

### ***Part 5: Road Safety for Rural and Remote Areas***

*Quantifies the road safety problem on rural and remote roads in Australia and New Zealand, and describes the characteristics of those crashes. It also identifies the people who are at most risk of being involved in a crash and factors that contribute to the occurrence or increased severity of crashes on rural and remote roads. Guidance is provided on measures that may be used to reduce the incidence and severity of crashes and ways in which safety initiatives may be monitored and evaluated to ensure that they are achieving their objectives.*

**Part 6: Road Safety Audit – due for release August 2008** (replaces Austroads Road Safety Audit 2<sup>nd</sup> Edition)

*A comprehensive overview of the road safety audit process and its application. Clear details of the process are provided, together with a number of real audit case studies. It discusses legal liability, costs and benefits, the audit process, safety principles and technical issues which need to be considered in road safety engineering. This part will replace the Austroads Road Safety Audit 2<sup>nd</sup> Edition (published in 2002).*

**Part 7: Road Network Crash Risk Assessment and Management**

*Introduces the concepts of risk assessment and risk management in the road safety network context. The issues discussed include communication and consultation, establishing the context, identifying risks, analysing risks, evaluating risks, treating risks, monitoring and review. Examples of risk in a road safety context are provided, including those relating to road trauma, legal risk, and risk from adverse public opinion. Case studies are provided to assist practitioners in the assessment and management of risks on their networks.*

**Part 8: Treatment of Crash Locations – due for release August 2008** (replaces Part 4 of the Guide to Traffic Engineering Practice)

*Provides advice to help practitioners in road authorities investigate and treat locations on the road system which are experiencing traffic crashes. It explains the step-by-step process of how to identify crash locations, how to diagnose the crash problem and its causes, how to select a countermeasure which targets the problem, how to design a safe remedial treatment and how to establish its cost-effectiveness. It also provides information on sources of road crash data and how engineering improvements fit into an overall road safety strategy.*

**Part 9: Roadside Hazard Management**

*Guidance is provided in reducing the incidence and severity of run-off-road crashes. This part examines roadside hazard management and the road environment to reduce the potential for road users to lose control of their vehicle and run off the road, with advice about a roadside environment that is free of hazards and more forgiving should a run-off occur.*

**[ARRB knowledge transfer workshops](#)**

In association with Austroads, ARRB develops and delivers a number of high level training workshops and explanatory seminars using internal technical experts, specialist consultants and road authority staff. ARRB provides innovative training solutions for the users of Austroads publications to further develop their skills and knowledge and to provide technical knowledge and guidance on how to best use the information contained within Austroads publications. The workshops and seminars range from one day to five days in duration and are held in all major cities and many regional centres across Australia and New Zealand.

In the second half of 2008 ARRB will be running a series of workshops covering subjects such as local area traffic management, roundabouts, road network management and road safety with many based on the new Guide to Traffic Management and Guide to Road Safety. More information about specific courses and locations is available from the [ARRB website](#).

**[ARRB conferences](#)**

ARRB conferences are held every two years and aim to promote and facilitate discussion about issues relevant to the transport industry, including new research being undertaken on the local and international scene. They are held throughout Australasia and attract local and international delegates. The next conference will be held at the Adelaide Convention Centre from 30 July until 1 August 2008. The conference theme is 'Research – Partnering with Practitioners' and will focus on bridging the gap between theory and practice.

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ARRB is also holding their first Sprayed Sealing Conference from 27 – 29 July at the same venue. This conference will focus on sprayed seals which are widely used throughout Australia, New Zealand and South Africa. A reduced rate is available for delegates attending both conferences and further savings can be made if registrations are received before 16 June. For more information and details on how to register visit the [ARRB website](#).

### [World Road Association technical committees](#)

World Road Association technical committees are made up of representatives nominated by World Road Association member countries to work on various subjects in the road and road transport field. The last round of technical committees presented their introductory reports at the 2007 World Road Congress in Paris. These reports are available to download from the [Austroads website](#).

New World Road Association technical committees have now been established and will work towards presenting their work to the next World Road Congress in Mexico in 2011. Australia and/or New Zealand have representatives on 17 of the 18 new technical committees. These committees held their first meetings in March and April to establish their strategic direction and work plans for the next three years. Following each meeting, technical committee representatives will report on the work of their committee and these reports will be available on the [Austroads website](#).

More information about the technical committees, the four strategic themes and details of the new technical committees is available on the [World Road Association website](#).

### [Austroads publications](#)

Development of the Austroads Guides is continuing with another part of the Guide to Traffic Management published since the last newsletter. The new release, together with a suite of more than 400 publications is available from the [Austroads publications website](#).

***Guide to Traffic Management Part 8: Local Area Traffic Management*** (replaces Part 10 of the *Guide to Traffic Engineering Practice*)

*As part of the Guide to Traffic Management, Part 8: Local Area Traffic Management is a valuable resource, particularly for local government. It covers the planning and management of road space and usage within a local area, with a focus on reducing traffic volumes and speed of vehicles, increasing amenity, improving safety and access for residents, especially pedestrians and cyclists. It presents a systematic approach to traffic management in local areas, with guidance on the application and effectiveness of traffic control measures on an area-wide basis.*

### **Future publications**

A further four Guides will be released within the next month. If you wish to receive an email notification when new publications are released you can register for RoadWatch. Subscribers to RoadWatch can nominate to receive alerts about specific publications and/or subject areas, or all publications and subject areas. An email is sent to subscribers when new publications are released, or whenever changes are made to existing publications. For more information or to register for RoadWatch, visit the [Austroads publications website](#).

The Guides that will be released within the next month include:

***Guide to Pavement Technology Part 2: Pavement Structural Design*** (replaces *Guide to the Structural Design of Road Pavements*)

*Provides advice for the structural design of sealed road pavements, covering the assessment of input parameters needed for design, design methods for flexible and rigid pavements, and provides guidance to the economic comparisons of alternative pavement designs.*

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**Guide to Pavement Technology Part 5: Pavement Evaluation and Treatment Design**  
(replaces Guide to the Design of Rehabilitation Treatments for Road Pavements)

*This Part provides advice for the investigation of existing sealed road pavements and the selection and design of pavement strategies/treatments. Treatment selection is related to availability of materials and knowledge of their performance in any particular locality. This Part covers pavement investigation, testing and evaluation, identification of causes and modes of distress and description of treatment options.*

**Guide to Project Delivery Part 3: Contract Management**

*Provides guidance to project delivery practitioners on the use of contracts for the delivery of projects. It covers appropriate standards of practice and procedures for the management of contracts, defining the documentation required to establish and administer a contract and discusses tendering, including inviting and assessing tenders, as well as details of awarding a contract.*

**Guide to Project Delivery Part 4: Direct Management of Construction**

*This Part outlines appropriate standards of practice, and procedures for the delivery of works by direct management. It covers the steps following the decision being made to deliver the project using direct management resources to final handover of the project, including why and when to use direct management as a method for delivery. The project management aspects, which the delivery project manager should take into account, are also detailed.*

[Calendar of forthcoming events](#)

**National Local Roads and Transport Congress**

15 – 17 June 2008, Shepparton, Victoria

The theme of the Australian Local Government Association (ALGA) National Local Roads and Transport Congress is 'Securing the First Mile'. The Congress is attended by elected council members, council officers responsible for roads and transport portfolios, state and federal government senior executives and transport industry representatives from across Australia to discuss essential information on a wide range of local roads issues, including policy, road use, maintenance and funding. The Congress is the main annual local government transport forum and plays a central role in bringing local government together to help shape and define the case for better funding and management of the nation's local road network. More information is available from: [www.alga.asn.au/policy/transport/congress](http://www.alga.asn.au/policy/transport/congress)

**BITRE Transport Colloquium**

18 – 19 June 2008, Canberra

The Australian Bureau of Infrastructure, Transport and Regional Economics holds an annual transport colloquium in Canberra to look at challenges facing Australian transport, including infrastructure capacity, provision of competitive services against a background of high oil prices, labour market skills shortages and a need for transport to be part of an effective response to global climate change and security threats.

This year's Colloquium will encourage informed discussion and debate about a range of issues for Australian transport and infrastructure policy, including aviation growth, supply chain efficiency, urban transport, skill shortages, transport security and climate change policy for international transport emissions. More information is available from: [www.bitre.gov.au](http://www.bitre.gov.au)

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## Queensland Main Roads Technology Forum

5 – 7 August 2008, Brisbane

The theme of the 14th annual Main Roads Technology Forum is 'Connecting Technically'. The Forum will provide an exclusive opportunity to showcase the development of strategic initiatives and the use of contemporary innovation and technology from Government and Industry practitioners by way of presentations, workshops and discussion. It will present delegates with a greater understanding and appreciation of available and new practices which provide greater flexibility while maintaining consistency. For more information email: [craig.l.moss@mainroads.qld.gov.au](mailto:craig.l.moss@mainroads.qld.gov.au)

## 2008 Australasian Road Safety Research, Policing and Education Conference

10 – 12 November 2008, Adelaide

The Australasian Road Safety Research, Policing and Education Conference provides a forum for the exchange of information about current and future road safety initiatives. The 2008 conference will present the latest findings from road safety research and discuss innovative road safety practice in policing, education, policy development and program management. A main objective of the conference is to reduce road crash trauma by ensuring that decision makers are adequately informed about the likely effectiveness of various road crash countermeasures. More information is available from: [www.roadsafetyconference2008.com.au](http://www.roadsafetyconference2008.com.au)

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The newsletter is developed and distributed every two months.  
Contributions for future newsletters are always welcome. Please send via email to the Communications Manager:  
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