



## [Austroads Guide to Traffic Management](#)

The Austroads Guide to Traffic Management is currently under development to replace the popular Guide to Traffic Engineering Practice (GTEP) series. The new Guide to Traffic Management will consist of 13 parts, with parts 1 and 6 already available through the [Austroads publications website](#). Parts 5 and 11 are due to be released in the coming weeks, with the remainder of the Guide scheduled for completion later this year.

The Guide to Traffic Management provides comprehensive coverage of traffic management for practitioners involved in traffic engineering, road design and road safety. It is part of a complementary range of publications which are available to assist road and road transport authorities in the planning, design, construction, maintenance, operation and stewardship of roads.

Parts 1 and 6 of the Guide to Traffic Management were recently published. Part 1 is an introduction to the overall Guide while part 6 covers intersections, interchanges and crossings. In conjunction with Part 4 of the Guide to Road Design, which is yet to be published, Part 6 of the Guide to Traffic Management will replace the old GTEP Part 5 (Intersections at Grade).

The 13 parts of the Guide to Traffic Management include:

### **Part 1: Introduction \*available now\***

*Introduction to the discipline of traffic management and overview of the structure and content of the Guide to Traffic Management, it outlines the breadth of the subject, distribution of content among the various parts of the Guide, and the relationship with other Guides such as those for Road Design, Road Safety and Transport Planning. It introduces functional road hierarchy as an essential concept, and outlines the basic elements of traffic management and their application. It also provides an overview of how the various parts of the Guide would typically be used by a wide range of practitioners.*

### **Part 2: Traffic Theory**

*Introduction to the characteristics of traffic flow and the theories, models and statistical distributions used to describe many traffic phenomena.*

### **Part 3: Traffic Studies and Analysis**

*Traffic performance of roads and intersections, including mid-block situations, signalised and unsignalised intersections, roundabouts, and road capacity.*

### **Part 4: Network Management**

*Broad strategies and objectives of managing road networks to provide effective traffic management, including network management and operational objectives, network performance measures, and network management plans.*

### **Part 5: Road Management \*coming soon\***

*Traffic management issues that apply to a single length of an individual road, including road space allocation, access management, lane management and application of speed limits.*

## **Part 6: Intersections, Interchanges and Crossings \*available now\***

*Examines traffic management at all types of intersections where road users must join or cross another stream of traffic. It focuses on traffic management issues and treatment related to intersections, interchanges and crossings and presents detailed information and guidelines relating to the factors that need to be considered in the selection of an appropriate type of intersection and the functional design of intersections. It describes the appropriate use and design of the various intersection types and traffic management techniques, and considers the needs of all road users including pedestrians, cyclists, motorcyclists, heavy vehicles and public transport.*

## **Part 7: Traffic Management in Activity Centres**

*Principles for the planning and traffic management of activity centres and associated transport nodes, including commercial and civic precincts, freight transfer centres, and intermodal transport interchanges.*

## **Part 8: Local Area Traffic Management**

*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.*

## **Part 9: Traffic Operations**

*Traffic operational matters relating to traffic management on road networks, including traffic signal systems, congestion management, incident management, management of transport information and operational management of road space.*

## **Part 10: Traffic Control and Communication Devices**

*Design and use of traffic control and communication devices, including traffic signs, pavement markings and traffic signals.*

## **Part 11: Parking \*coming soon\***

*Parking demand and supply and provides a parking policy framework, including implementation of on-street and off-street parking, parking controls in urban centres, parking on rural roads, park-and-ride facilities, and electronic parking guidance systems.*

## **Part 12: Traffic Impacts of Developments**

*Processes for assessing the traffic and transport impacts of land use developments, including policy and planning considerations, development profiles, traffic impact assessments, and access management.*

## **Part 13: Road Environment Safety**

*Ensuring a safe road environment within a traffic management context, including road user behaviour, and the role of road design and traffic management in providing road and roadside safety.*

## **[Cycling Resource Centre](#)**

A new on-line information hub on cycling has been launched by the Australian Bicycle Council. The Cycling Resource Centre is a convenient and user friendly 'one stop shop' for those involved in the planning and provision of cycling facilities and programs including planners, engineers and others who require access to a wide range of topics. All in one central location, the Cycling Resource Centre also contains content that may be of interest to cycling groups and cyclists generally. Users can access thousands of on-line pages with information and links covering the following topics:

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- engineering & planning
- education & training
- encouragement & promotion
- enforcement & road safety
- recreation
- funding
- research.

The Cycling Resource Centre provides direct links to relevant cycling information on Australian state and territory government agency websites, national and international news articles and research. There is a wealth of information about how to plan, design, source funding, build and manage cycling infrastructure, end of trip facilities and events.

Visit the Cycling Resource Centre at [www.cyclingresourcecentre.org.au](http://www.cyclingresourcecentre.org.au). The Australian Bicycle Council also invites organisations to establish a link to the Cycling Resource Centre and is always looking for other interesting topics or new ideas and technologies that relate to cycling. To contribute, please send an email to the Australian Bicycle Council Executive Officer at [abc@austroads.com.au](mailto:abc@austroads.com.au).

The Cycling Resource Centre was developed with funding from the Australian Department for Infrastructure, Transport, Regional Services and Local Government, and is managed by the Australian Bicycle Council. For more information about the Australian Bicycle Council visit [www.austroads.com.au/abc](http://www.austroads.com.au/abc).

### [New World Road Association website](#)

The World Road Association has recently undertaken a significant upgrade of its website. It now provides users with an enhanced facility for the World Road Association to promote and share knowledge about roads and road transport, with better accessibility to a broad range of information in a number of languages, including a virtual library that allows users to download electronic copies of publications such as technical reports. Major improvements to the site include better layout and presentation, dynamic search options, immediate access to information for both members and non-members, and an enhanced home page.

For more information, or to view the new website, visit [www.piarc.org/en](http://www.piarc.org/en).

### [World Road Association technical committee reports](#)

A number of technical reports that were presented at the last World Road Congress are now available for download from the virtual library on the World Road Association website. The three latest reports to be added to the virtual library include:

- How to apply the concepts of sustainable development to transport
- Integrated approach to road tunnel safety
- Promoting optimal use of local materials.

The virtual library contains a number of other technical reports, which are available to download free of charge. A DVD with the proceedings of the 23<sup>rd</sup> World Road Congress, which was held in September 2007 in Paris, is also now available and can be ordered through the virtual library. Visit the virtual library at [www.publications.piarc.org/en](http://www.publications.piarc.org/en) for more information.

### [Austroads publications](#)

Over 400 publications are available through the [Austroads publications website](#). Most publications are available for download as a PDF or they can be ordered for delivery in hard copy.

The latest publications to be released include:

### **Guide to Traffic Management Part 1: Introduction**

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## **Guide to Traffic Management Part 6: Intersections, Interchanges and Crossings**

## **Guide to Pavement Technology Part 4: Pavement Materials**

## **Guide to Project Delivery Part 1: Overview**

## **Guide to Project Delivery Part 2: Project Delivery Planning and Control**

### **Future publications**

A further 11 publications will be released within the coming weeks, including two technical reports, two research reports and the following Guides:

- Glossary of Austroads Terms
- Austroads Bituminous Materials Safety Guide
- Guide to Road Safety Part 3: Speed Limits and Speed Management
- Guide to Road Safety Part 9: Roadside Hazard Management
- Guide to Traffic Management Part 5: Road Management
- Guide to Traffic Management Part 11: Parking
- Guide to Pavement Technology Part 9: Pavement Work Practices

### **Calendar of forthcoming events**

#### **South Australian Transport Infrastructure Summit**

27 – 28 March 2008, Adelaide

The theme of the South Australian Transport Infrastructure Summit is 'Identifying key strategies for the long-term growth and sustainability of transport infrastructure'. The summit will be held over two days at the Adelaide Convention Centre.

For more information visit: [www.informa.com.au/satransport](http://www.informa.com.au/satransport)

#### **2nd International Surface Friction Conference**

11 – 14 May 2008, Cheltenham, England

Transit New Zealand and the UK Highways Agency are sponsoring the International Surface Friction Conference with the theme 'Reducing Accidents, Saving Lives'. The conference is targeted towards an audience involved in highway design and maintenance, road network management, skid resistance, accident reduction, law enforcement, transport research, and motoring and transport organisations. There will be sessions on managing road and runway surfaces, applying good practice and improving safety. If you are interested in attending, more information is available from:

[www.saferroads.org.uk](http://www.saferroads.org.uk)

#### **1<sup>st</sup> International Sprayed Sealing Conference**

27 – 29 July 2008, Adelaide

The aims of this Conference are to explore the technologies involved, and to share the science and the practical experience of a wide range of practitioners from many different countries and backgrounds. Recent developments in binder formulation, sealing technology and delivery systems will also be discussed, and further information will be available from exhibits and poster displays. More information is available from: [arrb.com.au/ss08](http://arrb.com.au/ss08)

#### **ARRB conference**

30 July – 1 August 2008, Adelaide

ARRB conferences promote and facilitate discussion about issues relevant to the transport industry, and new research being undertaken on the local and international scene. Conferences are held every two years throughout Australasia, and involve local and international delegates. The next ARRB conference will be held at the Adelaide Convention Centre. Discussions will be held about local and international research and case studies which provide innovative and practical solutions to current and emerging issues. More information is available from: [www.arrb.com.au/conferences](http://www.arrb.com.au/conferences)

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## **Queensland Main Roads Technology Forum**

5 – 7 August 2008, Brisbane

The 14th annual Main Roads Technology Forum will be held at the Sebel and Citigate, King George Square. Nominations are now open to submit a paper or workshop for this year's forum. For more information contact Craig Moss or Bridie Weston by e-mail: [craig.l.moss@mainroads.qld.gov.au](mailto:craig.l.moss@mainroads.qld.gov.au) or [bridie.l.weston@mainroads.qld.gov.au](mailto:bridie.l.weston@mainroads.qld.gov.au)

## **13<sup>th</sup> Australasian Flexible Pavements Industry Conference on Health, Safety & Environment**

10 – 12 August 2008, Melbourne

Check the [APAA website](#) in the coming weeks for more information.

## **Austroads Bridge Conference**

26 – 30 May 2009, Auckland, New Zealand

Austroads bridge conferences are held every two or three years, bringing together professionals with an interest in bridge engineering to investigate the progress and future directions for bridge engineering both nationally and internationally. The conferences are relevant for any person involved in bridge engineering, including asset managers, technical staff, contractors, suppliers and consultants.

The next conference will be hosted by Transit New Zealand, in Auckland, New Zealand from 26 until 29 May 2009. Not only is this the first time the Bridge conference will be held in New Zealand, it will also link in with the 50<sup>th</sup> anniversary celebrations of the Auckland Harbour Bridge on 30 May. The theme of the 2009 conference focuses on the important role of bridges within the transport network.

The 2009 conference aims to promote discussion on contemporary bridge engineering and management issues and initiatives; showcase innovation, progress and new directions in bridge engineering, management, research and training; facilitate collaboration and information sharing by bringing together bridge engineering and management practitioners; and encourage young engineers to participate through attendance as well as presenting papers.

This conference is an ideal opportunity to share information, explore opportunities, and investigate progress and future directions in bridge engineering and management.

A website for the conference is under development and is expected to be launched this month. For more information about the website or conference please contact Douceline Van Arts at [douceline.vanarts@transit.govt.nz](mailto:douceline.vanarts@transit.govt.nz)

## **9<sup>th</sup> International Symposium on Fibre Reinforced Polymer Reinforcement for Concrete Structures**

13 – 15 July 2009, Sydney

The symposium will focus on the latest research, development and application of fibre reinforced polymer reinforcement for concrete and masonry structures.

Through intensive and excellent worldwide research and practice, fibre reinforced polymer is being successfully applied to reinforced concrete structures. This success has engendered further challenges such as the estimation of durability and ductility, development of all encompassing national standards, and further innovation - the theme of this symposium being 'current challenges and future trends'. The program will feature a number of outstanding local and international speakers, concurrent sessions and poster presentations.

The Symposium attracts over 150 delegates from all over the world and provides a wonderful opportunity to meet and extend contacts. More information is available from [www.iceaustralia.com/frprcs9](http://www.iceaustralia.com/frprcs9)

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The newsletter is developed and distributed bi-monthly.  
Contributions for future newsletters are always welcome. Please send via email to the Communications Manager, David  
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