



Austroads to mark launch of nine new guides

Austroads is preparing to officially launch its comprehensive range of road industry guides in July, 2009. Covering the complete gamut of road design, construction, maintenance and operation, the guides provide cutting edge and contemporary information regarding the road network. The comprehensive library consists of nine Austroads guides and will be utilised by road authorities in Australia and New Zealand. All Austroads member organisations have agreed to adopt Austroads guides as the basis of their operations.

There is a guide on each of the following: Asset Management, Bridge Technology, Pavement Technology, Project Delivery, Project Evaluation, Road Design, Road Safety, Road Transport Planning and Traffic Management. A Road Tunnels guide will be released in June 2010.

The official launch of the Austroads' guides is on **1 July, 2009**. It will be held at the ARRB Group's offices in Vermont South, Melbourne.

The launch event will provide an overview of the guides covering their purpose and objectives, approach to their development, the role of ARRB, the types of new guides, the relationship to earlier Austroads material, and arrangements for updating the new guides.

There will also be detailed presentations on a selection of the guides including:

- Road Safety
- Asset Management
- Road Design
- Pavement Technology
- Traffic Management.

These presentations will outline what's new in these guides, some specifics on their content and how they will affect and influence the road agencies in Australia and New Zealand in road network matters.

For further information or if you would like to attend this event, please contact Austroads via email on austroads@austrroads.com.au

NEW AUSTROADS PUBLICATIONS

Guide to Asset Management – four new parts published

Four new parts to the Austroads Guide to Asset Management have recently been published. Eleven parts of the sixteen part guide are now available. The remaining parts will become available by the end of June 2009. To be notified of their release, register through the publications website to receive RoadWatch. The recently published parts are:

Guide to Asset Management Part 2: Community and Stakeholder Requirements

Provides guidance on the influence community and stakeholder requirements exert on asset management undertaken by road agencies. Roads are a service provided to the community and community requirements need to be identified, translated and integrated into organisational and asset objectives so road agencies target resources effectively to deliver the service.

With an emphasis on current Australian and New Zealand practice this part provides, an understanding of why it is important to have community and stakeholder input to asset

management as well as an overview of issues and approaches to obtaining and considering community and stakeholder requirements for asset management.

Guide to Asset Management Part 6: Bridge Performance

Covers the establishment and maintenance of bridge asset inventories and the monitoring of asset performance. It discusses the need for agencies to measure asset performance against objectives and therefore is primarily concerned with condition data collection and performance modelling at a network level.

Bridges represent a significant part of the road asset and their management must be coordinated with the needs of the other assets that comprise the road network. Their specific attributes identify bridges apart from other road assets and therefore specific requirements for bridge asset management practices in the context of overall road asset management practices need to be developed.

Guide to Asset Management Part 7: Road-Related Assets Performance

Details asset management concepts and principles, for the management of a broad range of diverse road related assets. Asset management principles recognise all road system assets as tools to achieve stakeholder requirements and deliver organisational objectives.

It addresses the management of the diverse and heterogeneous groups of 'road-related' assets that are not covered in the other parts. The successful performance of the road network is increasingly dependent on the peripheral assets which provide the environment for the road network and the support and operating systems for safe and efficient traffic management.

Guide to Asset Management Part 8: Asset Valuation and Audit

Details how to undertake asset valuation and how this will assist the asset manager with long-term management requirements. It also provides guidance on how to implement an audit process to ensure work activities reflect the works program and satisfy the asset and organisational strategies as well as detailing approaches to presenting information to external stakeholders and other customers by means of public reports and other media.

Guide to Pavement Technology – new part published

Guide to Pavement Technology Part 4L: Stabilising Binders

Discusses stabilising binders and their relationship with pavement materials. Mixing pavement material with stabilising binders meets performance expectations in its operating, geological and climatic environment.

It examines the types of various stabilising binders used in road construction (lime, cement, bitumen, slag, fly ash and chemicals), their properties, manufacture, chemical reactions during the stabilisation process and safety considerations associated with their use.

Accessing Austroads publications

All Austroads publications are available in PDF and hardcopy through the Austroads website www.austroads.com.au

Technical Reports released:

Recently released technical reports from Austroads include:

- Review of Relationship to Predict Subgrade Modulus from California Bearing Rating (CBR) (AP-T130/09)
 - Intelligent Transport Systems and Variable Message Signs for Road Safety Applications: Current Status and Future Prospects (AP-T133/09)
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- Development of Best Practice Intervention Model for Recidivist Speeding Offenders (AP-T134/09)
- Evaluation of the Safety Impact of Centre-of-the-road Wire Rope Barrier (WRB) on Undivided Rural Roads (AP-T135/09)

Research Reports released:

- Freeway Traffic Flow under Congested Conditions: Monash Freeway Study (AP-R334/09)
- Demand for B-triple and Quad-axle B-double Network Decoupling Points (AP-R335/09)
- Older Driver Model Assessment Program: Stage 4 – Validation of Screening Tests to Assess At-Risk Older Drivers (AP-R336/09)
- National Approach to Traffic Control at Work Sites (AP-R337/09)

All these and other Austroads technical and research reports are available free as PDFs from the Austroads website. They may also be purchased in hard copy through the website.

Knowledge Enhancement Short Courses

Knowledge enhancement short courses by the Centre for Pavement Engineering Education (CPEE)

The Centre for Pavement Engineering Education (CPEE) provides value added higher education programs and research assistance for the pavement industry. With the staging of revised short courses reflecting updates of Austroads Guides, the program of CPEE courses has been well received by road authorities, local government and consultants.

In the next period to August, a number of courses will be staged across the country, including Pavement Design, CIRCLY Workshop, Pavement Management, Road and Public Space Lighting, Pavement Surfacing and Pavement Maintenance and Rehabilitation.

Customised short courses are also being staged for road agencies seeking targeted content to suit local needs. CPEE is able to adjust both the content and time to suit individual road authority needs. Custom courses can be arranged by contacting CPEE.

Details including programs and registration forms, together with information on the full year program and other courses available can be located at the CPEE website:

www.pavementeducation.edu.au, or by contacting CPEE directly on +61 3 98533626.

ARRB Knowledge Transfer Program 2009

Knowledge enhancement short courses by the Centre for Pavement Engineering Education (CPEE)

ARRB have recently released their new schedule of Knowledge Transfer workshops being held in the second half of 2009. Collaborating with Austroads and Standards Australia, ARRB delivers high level training workshops and explanatory seminars employing the knowledge of its in-house technical experts, specialist consultants and road authority staff. ARRB is focused on providing innovative training for their clients to ensure successful and valuable knowledge transfer.

A total of 56 workshops will be run across the country between July and December. Some of the topics include Bridge Inspection, Geotechnical and Drainage Design, Cycling and Pedestrian paths, Speed Limits and Speed Management, and Unsealed Local Roads. ARRB can also organise in-house workshops, tailored to meet the needs of individual organisations.

If you have any questions or concerns regarding ARRB workshops, please visit www.arrb.com.au/workshops

COMING EVENTS

Bureau of Infrastructure, Transport and Regional Economics' 2009 Infrastructure Colloquium

18 and 19 June, 2009, Great Hall, Parliament House, Canberra

The Infrastructure Colloquium for 2009 is focused on '*Infrastructure for the nation's future*'. A range of issues facing Australian infrastructure and transport policy will be discussed, including the global downturn, infrastructure delivery, better urban planning, local government infrastructure, improving public transport in Australia's cities, urban freight logistics and water for urban and local communities.

Further details and on line registration are available at <http://www.bitre.gov.au/colloquium>

9th International Symposium on Fibre Reinforced Polymer Reinforcement for Concrete Structures

13 – 15 July 2009, Sydney

The 9th International Symposium on Fibre Reinforced Polymer Reinforcement continues to focus on the latest research, developments and applications of fibre reinforced polymer reinforcement for concrete and masonry structures.

The theme of the 2009 Symposium is '*Current Challenges and Future Trends*' in this field and features a number of outstanding local and international speakers, concurrent sessions and poster presentations. Attracting over 150 delegates worldwide, it is a perfect opportunity to network and extend business contacts.

For more information visit <http://www.iceaustralia.com/frprcs9/>

Australian Institute of Traffic Planning and Management Incorporated (AITPM) Conference

5 – 7 August 2009, Adelaide

The aim of the AITPM's 2009 national conference in Adelaide is to explore the notion of 'Traffic Beyond Tomorrow' and for traffic practitioners to explore the challenges and opportunities that this may bring by considering hypothetical scenarios.

For more information visit www.aitpm.org.au/conf-upcoming.html

International Public Works Conference

6 – 10 September 2009, Melbourne

The IPWEA conference is held every two years. The theme for the 2009 conference is 'Global Issues, Local Solutions - Delivering for the Next Generation'. Public works engineers from around the world are at the forefront in dealing with such challenges as sustainable management of infrastructure, skills shortage and climate change. This gathering will present a real opportunity to pool knowledge and share experiences in these critical areas as well as present an opportunity to foster cultural exchange and friendships.

Visit the IPWEA conference website for more information and to register an interest in attending <http://www.alloccasionsgroup.com/IPWEA>

REAAA Conference

23 – 26 September 2009, Incheon City, Korea

The 13th Conference of the Road Engineering Association of Asia and Australasia (REAAA) will be held in Incheon City, Korea. The Conference will coincide with the 8th Heads of Road Authorities Meeting, REAAA Governing Council Meetings, the International Road & Traffic Exhibition 2009 (ROTREX 2009) and PIARC Council Meeting 2009. The Conference will provide a forum for all those involved in road policy, technology, management and administration in and beyond the region to

share knowledge and build on current professional networks. For more information email conference@reaaakorea2009.com or visit reaaa@po.jaring.my

The Australian Chapter of the REAAA is proposing to coordinate a delegation to attend the Conference with a brief study tour in Korea following the Conference. If you are interested in participating, email austroads@austrroads.com.au

Australasian Road Safety Conference

11 – 13 November 2009, Sydney

The 2009 Australasian Road Safety Research, Policing and Education Conference will be held in Sydney. The conference provides a forum for the exchange of information about current and future road safety initiatives. It will bring together leading local and international road safety experts over three days of presentations, workshops and keynote addresses. In addition, the first Intelligent Speed Adaptation Conference, a one day event, will be held in conjunction with the national conference on 10 November 2009.

More information is available from: www.rta.nsa.gov.au/roadsafety/2009_conference.html

The newsletter is developed and distributed every two months.

Contributions for future newsletters are always welcome. Please send via email to the Communications Manager at:

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