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AUSTRALIAN ROAD FORUM



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Local Road Safety & Traffic Engineering Conference 2006

Tuesday 14th and Wednesday 15th November 2006
Powerhouse Museum, Sydney

www.halledit.com.au/conferences/traffic/

- 5 PEOPLE ARE KILLED EVERY DAY
- 60 PEOPLE ARE SERIOUSLY INJURED EVERY DAY
- YOU CAN HELP TO LOWER THESE TOLLS. EVERY MINOR CHANGE CAN MAKE A DIFFERENCE

**JOIN US IN FIGHTING
THE ROAD TOLL**



This two-day national conference focuses on road safety and traffic engineering for local roads. A variety of in-depth practical presentations will be made on the conference theme with particular emphasis on what individual councils are achieving with respect to these key issues.

WHO WILL ATTEND

This conference will be of relevance to Road Safety Officers, Council Engineers, Councillors, Road Authority staff, consultants and contractors within the traffic engineering and road safety areas.

Speakers and topics have been selected on the basis of presenting a comprehensive and practical program to equip those concerned with road safety at a local level with the knowledge and tools to perform their vital role better.

This is a practitioner level conference and delegates will gain information that they can implement immediately.

CASE STUDIES will be a particular feature of the conference with extended discussion periods to enable strong audience participation and interaction. You can benefit from our speakers years of valuable experience.

TOPICS:

- Safer Roads - how engineering can improve road safety
- Road safety from a crash analysis perspective
- Road safety hazards - identification etc.
- Electronic intervention
- Traffic Management Codes
- Integrated traffic and transport plans
- Latest initiatives and best practice with Local Area Traffic Management studies and plans
- On-street car-parking policies, strategies (commercial versus residential needs) and interaction between traffic, parking and pedestrians associated with adjacent land use activity
- Road safety public information/education strategies and initiatives
- Pavement-marking and signage
- Road-worker and Work-zone safety

Sponsored by:

ROADS

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To register: fax (03) 9530 8911, phone (03) 8534 5000 or email registration@halledit.com.au

Local Road Safety & Traffic Engineering Conference 2006

DAY 1: Tuesday 14 November 2006

8:00 REGISTRATION AND MORNING COFFEE

9:00 CONFERENCE OPENING: SCOTT MATTHEWS, CONFERENCE CHAIR

ENGAGING YOUR COMMUNITY SESSION

9:10 KEYNOTE PRESENTATION: UNSEALED ROADS, PROMOTING THE MESSAGE "SLOW DOWN AND DRIVE TO THE CONDITIONS"

- Community education and engagement to reduce crashes
- Improving public awareness of the hazards and dangers of driving on unsealed roads – what are the strategies?
- Creating working relationships between road safety stakeholders across borders
- Reviewing engineering practices in respect to advisory signs on unsealed roads in the region
- Evaluation: promoting the message & ensuring it is understood
- Achievement of the objectives – project highlights

Mark Foran, Road Safety Officer, Yass Valley Council and Upper Lachlan Shire Councils

9:50 CASE STUDY: ONLINE HAZARD REPORTING

- Report a hazard: keeping roads and paths safe for all
- Overview of the innovative online reporting system
- More detail, less hazards
- How your local council can easily participate
- What we've learned and keys to future success

Kim Davis, Road Safety Officer, Wingecarribee Shire Council & **Charmaine Cooper**, Road Safety Officer, Goulburn Mulwaree Council

10:15 PANEL SESSION & QUESTIONS

10:35 MORNING TEA

RAISING THE BAR SESSION

11:10 IMPROVED HEAVY VEHICLE PRODUCTIVITY AND SAFETY ON LOCAL ROADS

- Regulatory framework: safer and more productive SMART trucks
- Delivering economic benefits for local businesses
- Protecting road and bridge infrastructure assets
- Local government road classification for SMART trucks
- Technology tools for truck route compliance

David Rolland, General Manager – Productivity & Technology, National Transport Commission

11:40 RISK MANAGEMENT – AUSRAP

- How to save 700 lives a year with safer roads
- Risk rates
- Road protection scores

John Metcalfe, Director Research and Policy, Australian Automobile Association

12:05 RISK ASSESSMENT: NETRISK, A SOLUTION FOR ROAD NETWORK SAFETY ASSESSMENTS

- Network level risk assessment to focus attention upon high risk sections of road (including intersections)
- Improved road safety management regime for roads, and a practical and defensible management process for road safety
- Simple yet comprehensive methods to identify, assess and treat a number of road safety issues across an entire network
- Calibration to suit local conditions and council resource levels

Philip Roper, Research Engineer, Transport Safety and Traffic, ARRB Group

12:35 PANEL SESSION & QUESTIONS

12:55 LUNCH

SIGNS AND ROADMARKING SESSION

2:00 CASE STUDY: EFFECTIVENESS OF THE YOUNGS CROSSING ROAD SCHOOL ZONE VARIABLE SPEED SIGNAGE

- Variable speed signage (VSS) is a relatively low-cost speed countermeasure
- Why install VSS in school zones?
- Vehicle speed and key stakeholder surveys
- Was the introduction of VSS successful?
- Does community perception meet reality?
- What did and didn't work – a local government perspective?

Jason Deller B.Eng (Civil), Grad Dip Road Safety, MIEAust; Principal Engineer – Traffic and Transport, Pine Rivers Shire Council.

2:30 PAVEMENT MARKINGS – THEIR ROLE IN IMPROVED ROAD SAFETY

- How visible should your roadmarking be?
- Meeting the safety challenge
- Is it up to standard?

Peter Thurston, Chief Executive Officer, Roadmarking Industry Association of Australia

2:50 QUESTIONS

3:00 AFTERNOON TEA

3:30 RISK REDUCTION USING PAVEMENT MARKING AND SIGNAGE AT LOCAL AREA TRAFFIC MANAGEMENT DEVICES

- Correct design and maintenance of LATM devices is crucial to manage road safety and asset owner liability
- Uniformity of LATM devices to minimise driver confusion
- Funds for maintenance of devices – duty of care
- Integration of signs and lines to provide a clear message
- Standards and specifications – their importance
- The importance of correct application, installation, maintenance and in-service audits

Ken Littlefair, Tasman Associates Pty Ltd

4:00 INTELLIGENT SAFETY TECHNOLOGIES FOR LOCAL ROADS

- Altering driver behaviour through electronic intervention
- Review of recent worldwide technical developments & application to local authorities in improving local road safety and traffic management
- Addressing problems raised by local communities within council budgets
- Systems for school & railway crossings, speed on local roads, blackspot treatments, bicycle ways, camera surveillance, etc

Keith Rigby, NSW Manager, Astucia (Aust) Pty Ltd.

4:30 PANEL SESSION & QUESTIONS

4:50 SESSION END

5:00 - 6:30 CONFERENCE DRINKS AND NETWORKING

- End the day relaxing with your peers

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Local Road Safety & Traffic Engineering Conference 2006

DAY 2: Wednesday 15 November 2006

8:00 REGISTRATION AND MORNING COFFEE

9:00 WELCOME

9:05 **KEYNOTE PRESENTATION: LOCAL SOLUTIONS TO LOCAL CRASH PROBLEMS**

- Since 2004 the Victorian Roads Authority and the Monash University Accident Research Centre (MUARC) have been conducting an in-depth crash investigation program throughout Victoria to increase understanding of the causes of serious injury crashes among local stakeholders and develop local action plans to prevent similar crashes occurring in the future
- The program is unique in the degree of local involvement
- Crashes are investigated by MUARC nurses and engineers with review by local crash site road safety panels
- Determining the causes of the crash, devising local countermeasures to prevent similar crashes, and stakeholder organisations taking responsibility for the implementation of these
- This presentation describes the methodology and summarises the outcomes of the first 79 crash reviews

CASE STUDIES

- Three case studies showing how locally implemented, low-cost engineering can significantly enhance local road safety

Dr. Peter Hillard, Operations Manager, Enhanced Crash Investigation Program, MUARC

10:05 **CRASH LAB TESTING**

- The significance of slow speed accidents

10:25 **PANEL SESSION & QUESTIONS**

10:40 **MORNING TEA**

TRAFFIC MANAGEMENT SESSION

11:10 **CASE STUDY: NORTH HAVEN LOCAL AREA TRAFFIC MANAGEMENT & BAY STREET LATM**

- Continual community consultation and liaison with stakeholders
- Traffic analysis (pre and post) & road safety audits
- Project issues, milestones & deliverables
- Technical requirements
- Risk analysis and quality assurance
- Implementation of 40km/h in high pedestrian area

Karen Thompson, Road Safety Officer, Port Macquarie-Hastings Council

11:40 **TRAFFIC ENGINEERING FOR SAFETY ON LOCAL ROADS – CONSIDERATIONS FOR LOCAL GOVERNMENT**

- Principles to consider for traffic management safety measures
- Investigations to identify and describe road safety problems
- Basic traffic engineering tools to address road safety issues
- Effective traffic engineering measures for implementation

Dr Robin Underwood, Road Safety, Strategies and Solutions

12:20 **PANEL SESSION & QUESTIONS**

12:35 **LUNCH**

PEDESTRIAN SESSION

STRIP SHOPPING CENTRES – THE ROAD SAFETY DILEMMA

1:45 **HOBART CASE STUDY**

- Crash performance was critically examined and compared against traffic volumes, pedestrian activity, parking activity and adjacent land use for three strip shopping centres in the area
- Findings

2:05 **INCREASED ROAD SAFETY FOR STRIP SHOPPING CENTRES**

- The bigger road safety picture for Australia
- Current traffic engineering practices to deal with road safety issues associated with strip shopping centres
- Particular focus on pedestrian safety

Keith Midson, BE MTraffic MTransport MITE MIEAust
Manager Transportation, GHD Pty Ltd (Tasmania)

2:45 **PANEL SESSION & QUESTIONS**

3:00 **AFTERNOON TEA**

3:30 **ROAD WORKSITE SAFETY SESSION**

TRAFFIC CONTROL FOR SHORT-TERM & MOBILE WORKS ON LOCAL ROADS

- Documentation issued since 2000 by Standards Australia and State Agencies in areas of OH&S Legislation and Traffic Control at worksites affecting local roads.
- Risk assessment, roadworks speed zones authorising and auditing of Traffic Control Plans
- An outline of key requirements, devices and difficulties for traffic control at short-term and mobile works
- Increasing time and cost associated with preparing and implementing traffic control necessary to meet these requirements
- An approach to remove cost competition or auctioning from the provision of safety in traffic control

John Hodgkinson, RFD BE Grad Dip MIEAust CPEng,
NSW Roads & Traffic Authority Certificate to Design
& Audit Traffic Plans, Consultant

4:15 **INDUSTRY PERSPECTIVES FOR ROAD WORKSITE SAFETY**

- Standards Australia Code status and update
- Safe work practices for worksites documentation

David Mangan, Regional Executive, Southern, AAPA

4:40 **PANEL SESSIONS AND QUESTIONS**

5:00 **CONFERENCE CLOSE**

SPONSORSHIP & EXHIBITION

If you would like to discuss sponsorship or exhibiting, contact:

Scott Matthews, BE MIEAust CPEng Conference Convenor

Ph: (03) 8534 5004

Email scott.matthews@halledit.com.au

TRANSPORT EXHIBITION AT MUSEUM

As a special bonus to all conference delegates you receive FREE access to the Powerhouse Museum Galleries (excepting special exhibitions) during the Conference including the Transport Exhibition which will be of great interest to anyone involved with roads. See www.powerhousemuseum.com/exhibitions/transport.asp

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REGISTRATION FORM / TAX INVOICE

Hallmark Editions Pty Ltd ABN 43 102 605 434

Local Road Safety & Traffic Engineering Conference

Powerhouse Museum, Sydney 14-15 November 2006

FOUR EASY WAYS TO REGISTER: email, fax, phone, mail

Email: registration@halledit.com.au

Phone: (03) 8534 5000

Fax: (03) 9530 8911

Mail: PO Box 84, Hampton, Vic 3188

ATTENDEES Please tick box for Full or Day Attendance

Delegate 1: Name

Full conference Day 1 Day 2

Position

Email

Delegate 2: Name

Full conference Day 1 Day 2

Position

Email

Delegate 3: Name

Full conference Day 1 Day 2

Position

Email

Delegate 4: Name

Full conference Day 1 Day 2

Position

Email

CONTACT DETAILS Please fill in this section as well as the above

Organisation

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Suburb

Postcode

Ph

Fax

Please indicate number of attendees for each of the below:

CONFERENCE FEES - Delegates

[] x (\$795 inc GST) Full conference = []
[] x (\$495 inc GST) Day rate = []

Second and subsequent delegates

[] x (\$695 inc GST) Full conference = []
[] x (\$425 inc GST) Day rate = []

[] x (\$250 inc GST) Conference documentation (for non-attendees)

NB Attendees will receive conference proceedings FREE of charge

= []

TOTAL AMOUNT

= []

PAYMENT METHODS Payment must be received before the event

CHEQUE ENCLOSED

All cheques crossed and payable to Hallmark Editions Pty Ltd (Hallmark Editions Pty Ltd is GST registered, ABN 43 102 605 434) Mail cheques to: Hallmark Conferences + Events, PO Box 84, Hampton, Vic 3188. **Please enclose your registration form.**

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PARKING: Parking for the Powerhouse Museum is available at the Entertainment Centre Car Park on Darling Drive. The Level 3A RED parking area is the most convenient to the covered walkway connecting the parking station to the Museum (a two-minute walk). When tickets are validated at the Museum, a special flat rate of \$11.50 (inc GST) applies.

SUBSTITUTING DELEGATES If you are unable to attend on both days, you are welcome to share your registration with ONE OTHER colleague from the same organisation. The administration fee for a shared registration is \$100 and the total Conference Fee will be \$895 inc GST. Entry to the Convention will be by delegate badge only. You must inform Hallmark Conferences + Events if you are substituting delegates. Maximum two delegates may attend from the one registration

CONFIRMATION DETAILS Places for registered attendees are not confirmed until payment of invoice is received. Once payment is received, confirmation details will be sent within ten business days. Please contact the Registration Officer at Hallmark Conferences + Events if invoice or confirmation has not been received within this time.

CANCELLATION POLICY A substitute delegate is always welcome. Otherwise, a full refund, less a \$50 admin service charge, will be received for cancellations received in writing (fax or letter) up to two weeks before the event. Documentation and a 50% refund will be sent for cancellations received one week prior to the event. No refunds can be given for cancellations within one week of the event. Every effort will be made to contact each attendee should an event be rescheduled or cancelled by Hallmark Conferences + Events Pty Ltd for any reason.

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