

# 2nd Local Road Safety & Traffic Engineering Conference 2008

DAY 1: Tuesday 26 August 2008

**8.00 REGISTRATION AND MORNING COFFEE**

**9.00 CONFERENCE OPENING:**

**Scott Matthews**, *Conference Chair*

**9.05 LEVEL CROSSING SESSION**

**KEYNOTE PRESENTATION: NATIONAL INITIATIVES TO IMPROVE LEVEL CROSSING SAFETY**

- Why level crossings have become a major focus for road and rail authorities; details of national initiatives
- Development of national rail safety legislation and strategy
- Road user attitudes to level crossings, guidelines for education and enforcement programs and a package of communication materials
- Refinement of ALCAM (Australian Level Crossing Assessment Model) as an engineering risk tool for level crossings
- Application of new initiatives such as lower speed limits, automated enforcement, warning signage and rumble strips

**Phil Allan**, *Director Safety and Regulation Division, Department for Transport, Energy & Infrastructure, South Australia*

**ATSB INVESTIGATIONS OF LEVEL CROSSING COLLISIONS**

- Overview of level crossing collisions investigated by the ATSB
- Focus on heavy vehicle collisions at level crossings

**Mark Stallbaum**, *Team Leader, Rail Safety Investigation, Australian Transport Safety Bureau (ATSB) Adelaide Field Office*

**LEVEL CROSSING COLLISION CASE STUDY**

- Case study of a collision near Ban Ban Springs Station, NT, involving a road-train truck & The Ghan passenger train

**Mark Stallbaum**, *Team Leader, Rail Safety Investigation, Australian Transport Safety Bureau (ATSB) Adelaide Field Office*

**10.30 PANEL SESSION & QUESTIONS**

**10.45 MORNING TEA**

**11.15 PEDESTRIAN SAFETY SESSION**

**ROAD SAFETY AUDITS OF URBAN STREETScape REVITALISATION PROJECTS**

- Safety considerations applicable to streetscape revitalisation projects and in particular the human factors
- Competing design demands from various stakeholders and in particular the sharing of space
- Practical example based to reach appropriate safety outcomes for each unique streetscape project

**Peter Harris**, *Road Safety Audits Pty Ltd*

**A NEW PARADIGM FOR PEDESTRIAN-THEMED ROAD SAFETY AUDITS**

- Thematic road safety audits at high pedestrian activity sites
- The holistic study methodology which expanded on the traditional road safety audit model
- Pedestrian safety problems from the perspective of the 'at risk' road user
- Case study of how pedestrian problems were identified at a busy shopping strip with a history of pedestrian crashes

**Doris Lee**, *Senior Traffic Engineer, PB*

**PEDESTRIAN SAFETY – A CHALLENGING TASK**

- Lessons learnt from in-depth pedestrian crash investigations and litigation cases
- What car drivers, pedestrians & road authorities need to know about pedestrian safety [or lack of]
- Taking action to improve pedestrian safety

**Dr George Rechnitzer & Shane Richardson**, *Principal Forensic Engineers, DVExperts International*

**12.30 PANEL SESSION & QUESTIONS**

**12.45 LUNCH**

**1.45 ENGINEERING FOR IMPROVED ROAD SAFETY SESSION – 1**

**GETTING THE BEST FROM ROAD SAFETY AUDITS: FIVE EASY STEPS**

- Strengthening road safety audit policy and processes
- Promoting road safety audit training
- Reviewing and upgrading the accreditation scheme
- Database to manage and monitor
- Developing and implementing an on-going communications strategy for the road safety audit system.

**Delilah Marta**, *A/Manager, Safer Roads Performance, Safer Roads Branch, NSW Centre for Road Safety, RTA, NSW*

**THE INFLUENCE OF TRAFFIC CALMING DEVICES ON SPEED**

- The science of speed based design
- Balancing spacing of devices and operating speeds
- The findings of recent research and local government feedback

**Peter Damen**, *General Manager, ARRB Group*

**GREATER SAFETY... THROUGH LESS CONFUSION**

- Safe designs are not an accident
- Safe roads are everyone's responsibility, including road authorities, local government and contractors
- Specifications must be clear and complete
- Contractors must know what is required

**Ken Littlefair**, *Tasman Associates Pty Ltd*

**ROAD MARKING – ROAD MAINTENANCE OR ROAD SAFETY?**

- How road marking can improve road safety
- How to specify pavement markings for improved road safety

**Bob Carnaby**, *Product Manager, Potters Asia Pacific*

**3.25 PANEL SESSION & QUESTIONS**

**3.45 AFTERNOON TEA**

**4.15 ROADS SAFETY PROGRAMS SESSION**

**THE SERENDIPITY OF ROAD SAFETY PLANNING**

- Council began developing a Road Safety Strategy and Action Plan. Serendipitously the Roads Alliance Team (Qld Dept of Main Roads and LGAQ and the IPWEAQ) revealed an opportunity for a coordinated approach to road safety including Qld Transport, Qld Police Service, Main Roads and LGAQ
- The two trains of thought led to the development of a Moreton Bay Regional Council Road Safety Pilot (RSP)
- The journey taken to introduce a Road Safety Officer
- Developing appropriate road trauma reduction strategies and actions across all travel modes at the local government level

**Jason Deller**, *B.Eng, Principal Engineer, Traffic and Transport, Moreton Bay Regional Council*

**ROAD SAFETY PROGRAMS**

**Bruce Ollason**, *General Manager (Corridor Management & Operations), Queensland Department of Main Roads*

**5.10 PANEL SESSION & QUESTIONS**

**5.30 CLOSE**

**5.30 HAPPY HOUR AND PRE-DINNER DRINKS**

**7.00 CONFERENCE DINNER (SEE WEBSITE FOR DETAILS)**

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

# 2nd Local Road Safety & Traffic Engineering Conference 2008

DAY 2: Wednesday 27 August 2008

## 8.00 REGISTRATION AND MORNING COFFEE

### 8.45 INTERNATIONAL ROAD SAFETY MEASURES SESSION

#### CLEAR ZONE EFFECTIVENESS AND CRASH RISK

- Clear zone principles, comparisons and overview from Australia and overseas

- Key findings of a study for VicRoads on clear zones

**Keith Midson**, *Manager Transportation, GHD Tasmania*

#### KEYNOTE PRESENTATION: ROAD SAFETY IN FIVE LEADING COUNTRIES

- A Churchill Fellowship allowed the speaker to travel to Sweden, UK, Norway, Japan and Denmark to understand the reasons behind their good road safety performance

- The reasons for the success achieved in these countries

- Measures deployed and the overall approach to road safety

**Rifaat Shoukralah**, *Senior Manager, Traffic Management and Safety, ACT Department of Territory and Municipal Services*

#### 2+1 ROADS: A CASE FOR AUSTRALIA?

- Implementation of the first greenfield 2+1 road in Ireland

- The case for using these types of roads in Australia.

- What a "2+1" road is, including some of their proven safety benefits such as halving road fatalities (Sweden)

- Difficulties and drawbacks of implementation and how the policy has evolved to "2+2" type roads, in Ireland

- The pros and cons of their application in Australia

**Elaine Gazzini**, *Senior Highways Engineer, Transport, PB*

## 10.15 PANEL SESSION & QUESTIONS

## 10.30 MORNING TEA

### 11.00 KEYNOTE CASE STUDY: PORT STEPHENS SESSION

#### PORT STEPHENS ROAD SAFETY JOURNEY 1985–2008

- The first phase 1985–1996

- The second phase 1996–2008

- Overview, key messages and further opportunities

**Hugh Donaldson**, *Transport Technical Executive, PB, Brisbane*

**Mark Morrison**, *Road Safety and Traffic Officer, RTA, Newcastle*

**Graham Orr**, *Traffic and Road Safety Project Officer, Port Stephens Council, Raymond Terrace*

## 12.15 PANEL SESSION & QUESTIONS

## 1.20 LUNCH

### 1.20 LEGAL ISSUES AND SAFETY SESSION

#### LITIGATION AND INVESTIGATION ISSUES, A FORENSIC ENGINEERING VIEWPOINT

- Understanding Plaintiff and Defence Expert reports

- How road authorities can reduce risk and improve safety

- Experts in court: 'trials and tribulations'

**Dr George Rechnitzer**, *Principal Forensic Engineer, & Maxwell*

**Shifman**, *DVExperts International*

#### THE LAW, ROAD SAFETY AND LITIGATION RISKS

- The interaction with workplace health and safety laws

- Responding to a road safety incident

- Construction activity on roads and safety management

**Aaron Anderson**, *Special Counsel, Deacons*

#### THE REASSURANCE IS IN THE DETAIL

- Exercising discretionary powers in meeting duty of care
- Importance of record keeping
- Importance of objective works programming and prioritisation
- Defending the defendable
- Successfully presenting local strategies, policies, standards and practices

**Paul Hillier**, *National Discipline Leader Road Safety and Traffic Engineering, ARRB Group*

## 2.45 PANEL SESSION & QUESTIONS

## 3.00 AFTERNOON TEA

### 3.30 ENGINEERING FOR IMPROVED ROAD SAFETY SESSION – 2

#### CASE STUDY: USING TRAFFIC SIGNAL COORDINATION TO REDUCE ACCIDENTS

- A traffic signals intersection on the Gold Coast Hwy produced a high number of accidents

- Various warning signs to motorists were trialed together with a lantern upgrade with limited success

- A review of the signal coordination prompted new thinking. This coordination produced significant reductions in accidents, along with a more efficient flow

**Ronald King**, *Supervising Traffic Engineer, Network Logistics Section, Traffic Management and Operations Section, Gold Coast City Council*

#### ROAD SAFETY'S CCC: "CURING" CURVES AND CLEAR ZONES IN RURAL NEW SOUTH WALES

- Run-off-the-road crashes on undivided rural roads cost the NSW community about \$360 million per year and result in approximately 80 fatal crashes, 1500 injury crashes and 1650 towaway crashes per year

- Best practice principles for designing "greenfields" vs what is achievable and affordable

- Safer Roads research of fatal crash reports for three years (2002–2004) where crashes occurred on curves has led to a solution

**Steve Levett**, *A/Manager, Safer Roads Policy, Standards & Research, Safer Roads Branch, NSW Centre for Road Safety, Roads and Traffic Authority of NSW*

#### IMPROVING SAFETY ON UNSEALED ROADS

- Better ways to improve road safety and reduce road crashes

- The type of crashes experienced on unsealed roads, possible causes, ways to identify high risk sites and practical measures that can be taken with limited budgets to improve road safety

**George J Giummarra**, *ARRB Group Ltd*

## 4.45 PANEL SESSION & QUESTIONS

## 5.00 CONFERENCE CLOSE

## CONFERENCE VENUE & ACCOMMODATION

Hotel details and Special Conference Room Rates are available at [www.halledit.com.au/conferences/traffic/2008](http://www.halledit.com.au/conferences/traffic/2008)

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