

The Road & Pavement Engineering & Management Conference 2006

and RoadPavEx 2006

incorporating the **2nd Victorian Roads Conference 2006**

Flemington Racecourse, Melbourne, 7-8 March 2006

Road & Pavement Engineering & Management Conference 2006

ONLY \$595 PER DELEGATE
(price incs GST)

The Road & Pavement Management & Engineering Conference 2006 has been designed to alert road engineers, managers, contractors and suppliers about significant new developments in the roads and pavements industries including roads, streets, bridges, paths, and industrial and commercial pavements.

Brought to you with the support of AAPA, ARF, AustStab, AILAV and CMAA, this two-day event will bring together councils, state government engineers and road managers, and the private sector.

SPEAKERS FROM: • DOTARS • RTA, NSW • Phillips Fox • ACEAM • AAPA • CMAA • Pitt & Sherry • University of New South Wales • University of Technology, Sydney • QUT • Phillips Fox • Standards Australia • AustStab

At a cost of only \$595 (including GST) the two-day program will cover issues such as: funding threats and risks, public liability, legal issues, contracts, specifications, asset management, construction inspection and assessment.

Experienced practitioners including a number of council managers will present case studies that will focus on best practice in maintenance, asset management, new technologies and expert legal advice.

CASE STUDIES FROM: • Bass Coast Shire Council, Vic • Benalla Rural City Council, Vic • City of Charles Sturt, SA • Cardinia Shire Council, Vic • Dubbo City Council, NSW • George Town, Tas • Moira Shire Council, Vic

RoadPavEx 2006

• Roads • Hardstands • Airports • Paths • Bridges • Paving • Car Parks • Industrial Pavements •

Held jointly with the Conference, RoadPavEx 2006 will provide a unique opportunity to view and discuss innovative products and services now available for roads, bridges and pavements.

Exhibitors will include consultants, suppliers, road asset management technologies, road making technologies, paving products, repair products and many more useful products.

RoadPavEx 2006 will be held over two days from 7-8 March. Entry will be free to members of the road and pavement industry as well as to attendees of the Conference.

FREE ENTRY

RoadPavEx 2006 will be Australia's only comprehensive exhibition dedicated to the road and pavement industries. The majority of the stands will be located indoors, eliminating any problems with weather.

This will be a must-see event for both users and suppliers of road and pavement products and services including for the maintenance of road reserves and open space.

FREE Parking and FREE Attendance at RoadPavEx 2006. So put RoadPavEx in your diary now!!!

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The Road & Pavement Engineering & Management Conference 2006

DAY 1: Tuesday 7 March 2006

8:00 Registration and Morning Coffee. Viewing of RoadPavEx

Day One A - Tuesday 7 March, 2006 - Stream One A: Road Management

9:00 Opening

THREATS & RISKS SESSION

9:10 Legal Issues for Road Managers

- From footpaths to streets
- The changing legal environment
- What are the implications of recent case law for road engineers and managers

Michael Salter, Partner, Phillips Fox

9:50 Keeping One Step Ahead - Intelligence, Risk Assessment & Transport Asset Security

- Transport security as part of overall national security
- Strategic approaches to security in transport
- Integrating intelligence and risk
- Transport as a target for criminal activity

Maurice AUSTIN, Section Head, Critical Infrastructure and Surface Transport Security, Office of Transport Security, DoTARS

10:10 The Training and Skills Crisis in the Roads and Pavements Industry

Ray Farelly, Executive Director, AAPA

10:30 Morning Tea

11:10 PANEL SESSION & QUESTIONS

How do we manage the risks and threats?

11:30 ASSET MANAGEMENT, RISK AND MITIGATION SESSION

Road Management - Has it really changed what we are doing?

- Lessons learnt from 16 Councils. Pitfalls and successes.
- How do we assess and interpret "Risk"
- Future consequences and insurance
- How can we get our service levels right?
- What is right?
- Implementing a Plan vs writing a Road Management Plan

Ashay Prabhu, ACEAM Pty Ltd

12:30 GOOD PRACTICE CASE STUDY: Road Management Planning & Funding - 4 year Journey

- Collection of cost-effective road data to make informed decisions
- Analysis of future funds, needs & trends
- Trade-off analysis for annual works planning
- Multiple departments sharing Corporate Data Depository

Barry Collis, Works Manager, George Town Council

1:00 Questions

1:10 Lunch

2:20 CASE STUDY: Dubbo City Council's Strategic Asset Management Plan and Visionary Funding Strategy For Local Roads.

- Quality asset data and a known Road Network Age Profile give good predictions of economic life
- Future funding shortfalls (60% in 30 years time) are scary but not insurmountable
- Dubbo Council is now in the 3rd year of Special Rate Variations, which if maintained for 20 years, will overcome that funding shortfall.

Stewart McLeod, Director Technical Services, Dubbo City Council

2:55 CASE STUDY: Risk Management and Road Inspection regime.

- Incorporating Council's RMP into Road Asyst
- Service Levels, Flowcharting Processes
- Risk Management Inspection Plan, Mobile Inspections
- The Red Books
- The Next Step

Norm Cook, Asset Management Officer, Benalla Rural City Council

3:10 Afternoon Tea

3:45 GOOD PRACTICE CASE STUDY: Implementing Fit-for-purpose Asset Management Practices to minimise long-term risk

- Identifying the major issues affecting the current condition of the sealed road and footpath networks. How to identify financial risk, risk of asset loss, risk of asset failure and risk of loss of service
- Acknowledging and utilising the vast knowledge and experience of maintenance staff
- "Step outside the square" - the benefits of putting together a condition method that reflects the specifics of Cardinia Shire's environment and work practices, rather than utilising an "off the shelf" solution
- Developing Road and Footpath Asset Management Plans
- Linking financials to the operationals - how to get it right
- Development of a Strategic Resource Plan. Making the Plans work on the ground

Graeme Fletcher, Asset Management Engineer, Cardinia Shire Council

4:00 ASSET MANAGEMENT PANEL SESSION & QUESTIONS

Day One - Tuesday 7 March, 2006 - Stream One B: Roads, Open Space and Landscape

ROADS, OPEN SPACE AND LANDSCAPE

Chair Darren Atkinson, President AILA Vic Branch

4:30 Pedestrian and Cycle Bridges ... Urban Promenade and City Gateways

- Architecture of bridges
- Collaborative process; quality of design
- The engineer/architect relationship; collaborative process
- Investments in infrastructure and public space

Prof Steffen Lehman, Chair in Architecture, QUT and Visiting Professor at the Technical University of Berlin

5:15 - 6:15 Happy Hour - Networking, drinks and food

6:15 Road Landscape Session Continues

The Road & Pavement Engineering & Management Conference 2006

DAY 1: Tuesday 7 March 2006

Implementing an Integrated Management Systems approach to Open Space design and construction - a local government perspective

- What is an Integrated Management System (IMS)
- Describes how the IMS was integrated into existing design and construction management
- Discusses the outcomes and lessons learned

Dianne Vivian, Environment Management Planner, City of Charles Sturt

Gateways, Roads, Noise Barriers & Landscaping

- Reinvigorating communities
- Includes the award winning Craigieburn Bypass

Perry Lethlean, Principal of Taylor Cullity Lethlean

7:30 Close

Day One - Tuesday 7 March, 2006 - Stream Two: Industrial & Commercial Pavements

9:00 Opening

From Cessna's to the Airbus A380

- What road engineers should know about airfield pavements
- Council airfields to international airports

Ross Monteith, Director, Airpave

Heavy Duty Asphalt Pavements

- Industrial and commercial areas (hardstands, car parks etc)
- Heavy duty roads

Walter Holtrop, National Surfacing Engineer, Australian Asphalt Pavement Association

Geotechnical aspects of heavy duty pavements and floors

Speaker to be confirmed

Jointing of industrial and commercial concrete floors and pavements

- Jointing options and systems

Bruce Ireland BE, Product Development Manager, Danley Construction Products

PANEL SESSION AND QUESTIONS

1:00-2:20 Lunch

Failures of Concrete Floors and Pavements

- Common failure mechanisms
- How to avoid future failures. How to get the detail right
- Assessing existing pavements and floors
- Fork lifts & load capacity

Speaker to be confirmed

Specifying Decorative Concrete Pavements and Floors

- How to achieve a quality outcome. Coloured concrete
- Polished concrete pavements and floors
- Specification requirements

Julie McIntyre, Regional Manager, Concrete Colour Systems

Architectural Concrete Pavements, a Contractors Perspective

- OH&S for safe working environment
- Floor preparation
- Concrete restoration
- Decorative concrete

Harry Van Der Veen, Director, Pro Grind

Decorative Treatments for Asphalt and Bituminous Surfacing

- Coloured treatments
- Textured finishes
- Non-slip finishes
- Specification requirements

Wayne Morgan, Managing Director, MPS Paving Systems Australia Pty Ltd.

PANEL SESSION AND QUESTIONS

4:30 Close

DAY 2: Wednesday 8 March 2006

Day Two - Wednesday 8 March, 2006 - Streams One and Two: Keynote Presentation

8:00 Registration and Morning Coffee

9:00 Conference Welcome

Scott Matthews, Conference Chair

PLENARY SESSION

9:10 RTA's Experience with Alliance Contracting

- RTA uses a range of contracting forms to suit the particular project risks
- Reasons for the choice of contract form
- Alliancing has recently been added to the options available
- RTA's comparative experience on the Lawrence Hargrave Drive Alliance and the Windsor Road Alliance

Ian Matthews, General Manager, Infrastructure Contracts, RTA NSW

Day Two - Wednesday 8 March, 2006 - Stream One: Bridges Stream

BRIDGE INSPECTION AND ASSESSMENT

9:50 Making Sense of Risk Management for Timber Bridges

- A review of assessment techniques used for timber bridges
 - visual condition rating
 - desk top analysis and
 - load testing
- Knowing what to use, where, and understanding limitations
- Why and when to test
- Risk management and reliable load rating that is fit for purpose

Dr Keith Crews, AI Professor & Deputy Director, Centre for Built Infrastructure Research, Faculty of Engineering, University of Technology, Sydney

10:30 Questions

10:35 Morning Tea

The Road & Pavement Engineering & Management Conference 2006

DAY 2: Wednesday 8 March 2006

11:15 Bridge Inspections and Load Rating

- Review of AS5100 Requirements
- Objectives and processes for detailed bridge inspections
- Determining load rating of bridges
- Bridge load testing options

Toril Pape, Bridge Engineer, Pitt & Sherry

CONSTRUCTION MAINTENANCE, REPAIR AND STRENGTHENING

11:55 CASE STUDY Rices Bridge Replacement

- Construction completed in only 20 days
- Community consultation to minimise cost and impact on tourism, aboriginal heritage and the wider community

Wayne Galloway, Manager of Capital & Designs Moira Shire Council, Vic.

12:30 Removing the bump

- Improving ride quality at bridge approaches

Tom Bailey, Mainmark Uretex

12:50 Questions

1:00 Lunch

2:00 Strengthening of Bridges

- Objectives for bridge strengthening
- Typical methods for strengthening of bridges
- Council Case Studies for timber, reinforced concrete, steel and wrought iron structures

David Coe, Director, Pitt & Sherry

2:45 PANEL SESSION & QUESTIONS.

3:15 Afternoon Tea

3:45 CASE STUDY: Restoration of Heritage Bridges

- Restoration issues
- Need for strengthening

Speaker to be confirmed, Melbourne City Council.

4:15 Post Tensioning Systems for Bridgeworks

- New Construction, strengthening and rehabilitation systems
- Grouting requirement

Brian Cavil, Chief Technical Officer, VSL Australia Pty Ltd

4:45 Questions

5:00 Conference Close

Exhibition and Sponsorship

To see if the opportunities offered can benefit you, please contact Scott Matthews:

ph (03) 8534 5004 (direct) or (03) 8534 5000 (switch)

email scott.matthews@halledit.com.au

Website: www.halledit.com.au

Day Two - Wednesday 8 March 2006 - Stream Two: Roads & Pavements

9:50 Contracts for Road and Infrastructure Works

- Key issues
- Different contract models

John Gallagher, Construction Partner, Phillips Fox

10:15 Making recycling contracts work for local government

- Part -service contracts with Local Government
- Innovative pavement designs

George Vorobieff, Executive Director, AustStab.

10:40 Questions

10:45 Morning Tea

11:15 Developments in bituminous surfacings and seals for roads.

Walter Holtrop, National Surfacing Engineer, Australian Asphalt Pavement Association

11:40 Standard Technical Specifications - Aus-Spec

- For road and pavement construction
- Road reserves
- Parks and facilities maintenance
- Standard contract document with alterations to suit differing local government areas

Peter Egan, Manager Specifications, Standards Australia

12:00 Water Sensitive Design

12:30 Special Charge Schemes to Secure Road Funding

- Road funding
- Road & drainage schemes
- How to implement

Steve Piasente, Manager Engineering Services, Bass Coast Shire Council

12:50 Questions

1:00 Lunch

2.00 WORKSHOP: Concrete Segmental Paver, Flag and Permeable Pavement Workshop Incorporating new Public Review Australian Standards AS 4960 Series

- Specification - Segmental Pavers and Flags
- Residential - Driveways, Pathways and Outdoor Areas
- Public Space - Pedestrian, Malls, Footpaths
- Roads & Streets - Vehicular Traffic
- Heavy Duty Pavements - Hardstands, Bus Areas, Stack Areas
- Permeable Pavements

*Professor Brian Shackel, University of NSW
Alan Pearson, Executive Director, CMAA*

3.30 - 4.00 Afternoon Tea

5:25 Questions

5:30 Workshop and Conference Close

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

Roads, Open Space and Landscape Seminar

Tuesday 7 March 2006, 4:30 -7:30pm

The Roads, Open Space and Landscape Session (One B) of the conference may be attended as a stand alone seminar for the special registration fee of \$99 (inc GST). This includes catering but does not include the Conference proceedings. Car parking is free.

This session can be attended for free by conference delegates.

This seminar is ideal for landscape architects, architects, urban planners and all council and road authority staff involved with road reserves and areas of public open space abutting roads, streets and other paths and pavements.

Registration: From 2:30pm. RoadPavEx exhibition is open for viewing

Afternoon Tea: 3:10 pm

Seminar Commences: 4:30 pm

Conference Sessions

The Conference features two parallel sessions and an additional evening session. Conference delegates can freely swap between sessions to tailor a program that best suits their individual needs. The evening session (One B) is included as part of either the Full Conference Rate or the Day 1 Single-Day Registration. The Workshop is part of Stream Two, Day Two. The Workshop may be attended by itself at a cost of \$200 inc GST (does not include lunch or Conference proceedings). Full and single day delegates receive a full copy of the proceedings.

Accommodation

For the convenience of delegates a number of accommodation options are listed on our conference website, www.halledit.com.au/conferences

As the Conference is the week prior to the Commonwealth Games it is recommended that all delegates book their accommodation early.



Conference and RoadPavEx Map



location map

KEY TO MAP SYMBOLS

PARKING - Please follow directions of attendants*

* All parking is free

Access is through the main gates on Epsom Road - Flemington Drive.

Directions will be provided to the car park which has been set aside for conference attendees, and attendants will be on duty to direct traffic.

- TRAM ROUTES
- BUS ROUTES
- TRAIN LINE & STATION
- TOURIST ROUTE NO.
- METROPOLITAN ROUTE NO.
- TAXI & CAR DROP OFF
- HELICOPTER LANDING SITE
- BOAT ACCESS
- TRAFFIC SIGNALS

The Road & Pavement Engineering & Management Conference 2006

incorporating the **2nd Victorian Roads Conference 2006**
and **RoadPavEx 2006**

Tuesday 7 and Wednesday 8 March 2006

The Event Centre, Flemington Racecourse, Melbourne



REGISTRATION FORM/TAX INVOICE

Hallmark Editions Pty Ltd ABN 43 102 605 434

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

Email: registration@halledit.com.au **Phone:** (03) 8534 5000 **Fax:** (03) 9530 8911 **Mail:** PO Box 84, Hampton, Vic 3188

ATTENDEES

Delegate 1: Name _____

Position _____

Email _____

Delegate 2: Name _____

Position _____

Email _____

Delegate 3: Name _____

Position _____

Email _____

Delegate 4: Name _____

Position _____

Email _____

Conference Full (2 days) Day 1 Day 2 Seminar Workshop
Please tick box

CONFERENCE FEES (Please indicate number of attendees)

[] x Full Conference Delegate (\$595 inc GST) = []

[] x Single-Day Delegate (\$400 inc GST) = []

[] x Seminar (\$99 inc GST) = []

[] x Workshop (\$200 inc GST) = []

* attendance at RoadPavEx 2006 is free

Total = []

PAYMENT METHODS Payment must be received before the event.

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All cheques crossed and payable to Hallmark Editions Pty Ltd (Hallmark Editions Pty Ltd is GST registered, ABN 43 102 605 434)

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PLEASE FORWARD ME AN INVOICE (No invoices will be raised within one week prior to conference - 1 March 2006)

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CONTACT DETAILS (Please fill in this section as well as above)

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PLEASE NOTE: THIS REGISTRATION FORM SERVES AS A TAX INVOICE WHEN COMPLETED. PLEASE RETAIN A COPY FOR YOUR RECORDS.

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. Entry to the Convention will be by delegate badge only. You must inform Hallmark Conferences + Events if you are substituting delegates. Maximum 2 delegates may attend from the one registration.

CONFIRMATION DETAILS An invoice to Government agencies only will be sent within 5 working days after registration. Places for registered attendees are not confirmed until payment of invoice is received. Once payment is received, confirmation details will be sent within 10 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.

PRIVACY DISCLOSURE The collection of your personal information is governed by privacy laws. Your information is collected for the purposes of processing your registration or to respond to your request to receive information about this Convention and other events by Hallmark Conferences + Events, and to market the products and services of the Convention and our business associates. You may request to gain access to any of your personal information that we have collected. If you do not wish to have your information used for marketing purposes, please contact (03) 8534 5000 or tick the following box

VENUE: The Event Centre, Flemington Racecourse (Melway 42 E1)

Car parking: Free - enter via Epsom Road - follow directions of car parking staff.

Public Transport: Tram 57, stop 30, drops you at Flemington Racecourse entrance, 1 km from venue.

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 for any reason.

INDEMNITY Hallmark Conferences + Events reserves the right to change the venue and/or speakers of any event due to circumstances beyond our control. In the event of changes to venue or speakers, or cancellation of the event, Hallmark Conferences + Events is indemnified against any or all costs, damages, expenses, including legal fees, which are incurred by the attendee/s. In the case of venue change, all reasonable efforts will be made to inform attendees.