

Austroads Annual Report 2007-08

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Austroads

Austroads' purpose is to contribute to improved Australian and New Zealand transport outcomes by:

- providing expert advice to SCOT and ATC on road and road transport issues
- facilitating collaboration between road agencies
- promoting harmonisation, consistency and uniformity in road and related operations
- undertaking strategic research on behalf of road agencies and communicating outcomes
- promoting improved and consistent practice by road agencies.

Membership

Austroads membership comprises the six state and two territory road transport and traffic authorities, the Commonwealth Department of Infrastructure, Transport, Regional Development and Local Government, the Australian Local Government Association, and NZ Transport Agency which, from 1 August 2008, brought together Transit New Zealand and Land Transport New Zealand. Austroads is governed by a council consisting of the chief executive officer (or an alternative senior executive officer) of each of its eleven member organisations:

- Roads and Traffic Authority New South Wales
- Roads Corporation Victoria (VicRoads)
- Department of Main Roads Queensland
- Main Roads Western Australia
- Department for Transport, Energy and Infrastructure South Australia
- Department of Infrastructure, Energy and Resources Tasmania
- Department of Planning and Infrastructure Northern Territory
- Department of Territory and Municipal Services Australian Capital Territory
- Department of Infrastructure, Transport, Regional Development and Local Government
- Australian Local Government Association
- New Zealand Transport Agency.

The success of Austroads is derived from the collaboration of member organisations and others in the road industry. It aims to be the Australasian leader in providing high quality information, advice and fostering research in the road sector.

Vision

Austroads' vision is to be recognised for its leadership in providing high quality information and advice and fostering research in the Australasian road and road transport sectors.

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CHAIRMAN'S MESSAGE



Chairman

Alan Tesch

Director-General

Department of Main Roads, Queensland

I took over as Chair of Austroads from Menno Henneveld in October 2007. Menno made an important contribution to Austroads, particularly in guiding the development of the current strategic plan; and he continues to contribute through his role as a Council member and as the Austroads International Committee Chairman. I thank Menno for his contribution to Austroads during his term as Chairman.

Over the last 12 months, Austroads has continued to work towards its goal of providing leadership within the road sector through high quality information and advice, and by fostering road research throughout Australasia.

Austroads has worked hard to complete successfully the first year of its 2007–2012 strategic plan. In total 41 projects were completed and 29 research reports and technical reports published. There were also 15 guides published. This achievement has helped move Austroads significantly towards the much anticipated completion of the entire package of guides. The guides are intended to be used by road authorities in Australia and New Zealand as a complete package of technical information that applies a consistent standard to road planning, road building and management across all jurisdictions.

The advent of a new approach to the development of National Transport Policy has provided Austroads with the opportunity to renew the significant role it plays in relation to the Standing Committee on Transport (SCOT) and the Australian Transport Council (ATC) and the delivery of national transport reform. Austroads has a strong reputation for providing sound technical and operational input into the development of effective policy across each of these areas. The ATC is pursuing national regulation of heavy vehicles and a national system for truck driver licensing and as part of these initiatives, Austroads is playing an important role and providing valuable input in these areas through the freight and registration and licensing programs.

I would like to thank the program managers and their support personnel for their dedication to Austroads, while continuing to meet the demands of their regular road authority work. Also, I would like to thank Council members for their commitment to Austroads and their support during my time on Council, as both a member and Chairman. The work of the various review panels, task forces and Austroads national office is also greatly appreciated and I thank all for their contribution to another successful year.

The next 12 months will be an exciting time for Austroads. The remaining parts of the guides are scheduled for completion by June 2009 and we will be well into the five-year strategic plan. It is under this plan that we will continue to work towards our vision of promoting improved transport outcomes across Australia and New Zealand.

A handwritten signature in blue ink, appearing to read 'A. Tesch'.

Chairman
Alan Tesch
Director-General
Department of Main Roads, Queensland

HIGHLIGHTS FROM 2007-08

Projects completed

There were a total of 144 projects in the 2007-08 work program. A number of these are scheduled to run over three years. Forty-one projects were completed during 2007-08.

Work program expenditure

Total expenditure for the 2007-08 work program was \$8.2 million. The table below provides a breakdown of the expenditure:

Type	Amount \$'000s
Technical research	4,432
Strategic	1,415
Development of publications	1,134
Other projects	637
Program management	660
TOTAL	8,278

Projects contributing to regulatory reforms

Austroads has undertaken a number of projects as input into government regulatory reform initiatives of Council of Australian Governments (COAG) and transport ministers. These include:

- new approaches to heavy vehicle regulation such as digital tachographs, performance based standards and intelligent access to the road network
- developing a national approach to driver licensing and vehicle registration and in particular, a national heavy vehicle registration scheme
- driver licence security and management
- road safety at rail crossings.

Guides

Austroads guides will provide a high standard of information for use by road authorities and local government in Australia and New Zealand. Development of the comprehensive suite of new guides continued throughout 2007-08 with a further 15 parts published. These included:

- five parts of the Guide to Traffic Management
- three from Guide to Pavement Technology
- two each from the Guides to Project Delivery, Road Safety and Asset Management
- one part of the Guide to Road Design.

This takes the total number of new guide parts completed to 38 as at 30 June 2008.

STRUCTURE AND PROGRAMS

Governance

Austroads is an association incorporated in New South Wales under the Associations Incorporation Act 1984 (NSW). Austroads is governed by a Council consisting of the chief executive (or alternative senior executive officer) from each member organisation. During 2007-08 the Council met in October 2007 and March and June 2008. The Austroads national office, based in Sydney, provides secretariat support to the Council.

Operational model

Austroads operates using the staff and other resources of its member organisations to undertake or manage a significant part of its work. The benefits of this operational model are that it:

- provides opportunities for the staff of member organisations to participate in the operation of Austroads and the development and delivery of projects
- promotes professional development for staff of member organisations
- encourages a collegiate, collaborative approach
- facilitates a high level of consistency across jurisdictions
- creates opportunities for networking and information exchange between staff of road agencies.

Membership (as at 30 June 2008)

Member organisation	Representative
Roads and Traffic Authority New South Wales	Les Wielinga — Chief Executive
Roads Corporation Victoria (VicRoads)	Gary Liddle — Chief Executive
Department of Main Roads Queensland	Alan Tesch — Director-General
Main Roads Western Australia	Menno Henneveld — Commissioner
Department for Transport, Energy and Infrastructure South Australia	Flett Steele — Director, Road and Traffic Management
Department of Infrastructure, Energy and Resources Tasmania	Peter Todd — General Manager, Roads and Traffic
Department of Planning and Infrastructure Northern Territory	Marj Morrissey — Executive Director, Transport and Infrastructure
Department of Territory and Municipal Services Australian Capital Territory	Tony Gill — Executive Director, City Management
Department of Infrastructure, Transport, Regional Development and Local Government	Andrew Wilson — Executive Director, Infrastructure and Surface Transport Policy
Australian Local Government Association	Adrian Beresford-Wylie — Chief Executive
Transit New Zealand (now NZ Transport Agency)	Rick van Barneveld — Chief Executive

Observer organisation	Representative
ARRB Group	Gerard Waldron — Managing Director
National Transport Commission	Nick Dimopoulos — Chief Executive
Bureau of Infrastructure, Transport and Regional Economics	Phil Potterton — Executive Director
Department of Transport Papua New Guinea	Henry Parakei — Secretary

Program structure

Austrroads' work is divided into major areas, called programs, so the work is more manageable and shared amongst Austrroads member organisations.

As at 30 June 2008, there were seven programs. The programs, their objectives and the designated program manager and member organisation were as follows:

Program	Objective	Program Manager
Assets	Minimising whole of life cost of road assets	Ken Russell — VicRoads
Capability	Assist members in developing and maintaining sustainable levels of capability	Peter Mitchem — VicRoads
Freight	Addressing the future freight task	Philip Halton — RTA NSW
Network	Optimising utilisation of the network	John Erceg — MR WA
Registration and Licensing	Improving the security and integrity of registration and licensing systems and promoting national consistency	David Stuart-Watt — RTA NSW
Safety	Improving road safety	Phil Allan — DTEI SA
Technology	Promoting improved practice in technology	David Hubner — DMR Qld

Program managers and support staff

Each program is managed by a program manager who is a senior officer from a member organisation. Program managers are responsible to the Austrroads Council for the development of project proposals and reporting on the performance of their program.

They work on Austrroads activities for a proportion of their time in addition to their regular responsibilities. This is formally recognised in an agreement between Austrroads, their chief executive and themselves. Austrroads does not reimburse the member organisation for the time the program manager spends on Austrroads activities, but contributes towards the costs associated with the management of the program. In addition to the list of program managers above, John Worrall contributed to the Technology program as the program manager until December 2007.

Each program manager is supported by a program assistant. Program assistants provide administrative support and advice to the program manager in the execution of their Austrroads responsibilities.

Task forces

Task forces have been established for six of the programs. The role of each task force is to:

- develop the identified areas of interest into a program of research to be undertaken
- develop specific project proposals from the program of research and ensure their relevance to Austroads member and related organisations
- identify suitable project managers from member organisations and oversee the conduct of those projects
- encourage member organisations to provide appropriate and timely inputs to projects and ensure that member organisations' concerns and views are adequately addressed
- champion the dissemination of the results of projects and research to road agencies and related organisations
- provide a forum for the exchange of information between Austroads member and related organisations.

Task force membership is made up predominantly of senior staff from the relevant area of member organisations. An exception is in the case of the Safety and Registration and Licensing programs where, in jurisdictions that the member organisation does not have responsibility for those functions, task force members come from the organisation responsible for that area.

External stakeholders are engaged in accordance with a strategy developed by the task force.

Task forces meet two or three times a year to develop projects and review progress on approved projects.

Review panels

Review panels oversee the development of each of the Austroads guides. In the case of the Safety and Assets programs, this function is performed by the relevant task force.

The membership of review panels comprises representatives of member organisations. External stakeholders may also be included.

ASSETS



Program Manager

Ken Russell

Manager Asset Management
VicRoads

Program support

Georgina Natalizio (until March 2008)
Austroads Program Executive

Program overview

The Assets program focuses on the following streams:

- optimal levels of service
- road user requirements
- monitoring and performance reporting.

The Assets program is supported by a task force comprising senior staff from the relevant areas of Austroads member and observer organisations. The primary objective of the task force is to develop and deliver a program of research that will assist road and transport agencies in their efforts to minimise the whole of life cost of road infrastructure assets to meet the transport task.

An additional major responsibility for the Assets task force is to act as a review panel to promote best practice in asset management through the development and maintenance of the Austroads Guide to Asset Management.

Achievements 2007-08

The Assets program has developed a significant and structured program comprising projects which address the assets strategy, projects to develop the Guide to Asset Management and projects under the technical research program.

The Assets program completed the following projects in 2007-08:

- Communicating Strategic Decisions to Stakeholders (AS1005)
- Probability Models for Project Level Decision Making (AT1211).

The following outputs were published in 2007-08:

- *Guide to Asset Management Part 5B: Roughness*
- *Guide to Asset Management Part 5D: Strength*
- *Development of HDM-4 Road Deterioration (RD) Model Calibrations for Sealed Granular and Asphalt Roads.*

The following outputs were completed in 2007-08 and have since been published:

- *Assessment of Remaining Service Life of Pavements*
- *Road Surface Characteristics and Crash Occurrence: A Literature Review.*

The highlights of the Assets program during 2007-08 include:

- the Assets task force met on three occasions in October 2007, January 2008 and May 2008
- a number of workshops held for various strategic and technical research projects.

Ongoing projects 2008-09

The Assets program currently focuses on the research, development and completion of the following ongoing work areas:

Publication projects

- Completion of the Guide to Asset Management.

Strategic research projects

- Improved Cost Allocation Rules by Road Type (including unsealed roads)
- Establishing a New National Pavement Maintenance Database.

Technical research projects

- Long-Term Performance Monitoring to Develop Consistent Performance Models
- Management of Skid Resistance
- Understanding Wear and Cost Implications of Incremental Loads on the Road Network (Optimal Mass Limits) [NTC].

Future directions

The program for 2008-09 introduces seven new projects aimed at extending knowledge and guidance in asset management. These projects are:

- Strategic review of future asset management issues. This project is aimed at assembling a range of issues that are expected to play a critical role in successfully managing the existing road infrastructure into the future.
- Update of the Thornthwaite Moisture Index map to accommodate climate change, and to expand the use of these maps for planning, policy development and performance prediction with reference to the road infrastructure.
- Predicting dynamic wheel loading and its effects on the network. This is an extension of the work completed in 2007-08.
- Guidance on the management and analysis of weigh-in-motion data. The purpose of this project is to provide guidance on the management of weigh-in-motion systems and analysis of data from such systems.
- Network Performance Indicators – Next generation. To define and recommend a comprehensive set of indicators to be used in managing and monitoring the performance of road assets at an operational level.
- Identifying the best measure of the variation in longitudinal surface profile for use in triggering pavement rehabilitation works.
- Development of a Guide on Environmental Management practices.

CAPABILITY



Program Manager

Peter Mitchem

Executive Director, Technical and Information Services
VicRoads

Program support

Georgina Natalizio (until March 2008)

Austroads Program Executive

Program overview

The Capability program was formed to address the skill/competency shortages facing road agencies across Australia and New Zealand, with particular emphasis on road industry related technical capability.

The program is supported by the Capability task force.

The role of the task force is to:

- provide a forum for the exchange of information on capability development and skills shortages between Austroads member and related organisations
- identify successful initiatives and facilitate the sharing of related information, particularly on the attraction and retention of skilled staff and ongoing training
- identify areas where a national approach is required and develop appropriate action proposals.

The program focuses on the following areas:

- national road industry labour market analysis and the development of national initiatives to meet skills shortages
- national marketing plan for careers in road authorities
- best practice approaches for road authorities in addressing skills shortages and building capability
- review of tertiary education courses and possible development and delivery of post graduate courses to meet the needs of road authorities.

Achievements 2007-08

In 2007–08 the Capability program completed the following:

- **National Skills Marketing Campaign:** the purpose of this project was to develop a national marketing plan and associated materials to encourage senior secondary students to select subjects which would allow them to continue to technically-oriented tertiary studies, and to encourage tertiary engineering students to choose a career in road engineering.

A range of marketing materials under the banner ‘use your powers for good’ have been completed and provided to Austroads members. A website based on the program has gone live and is linked to each member authority’s website.

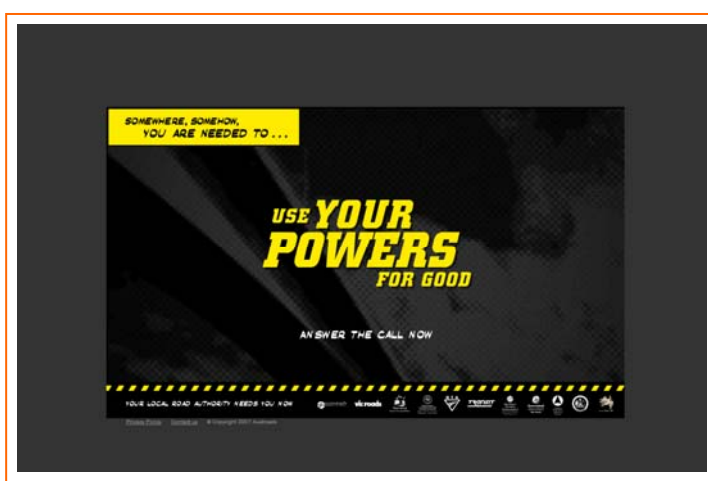
A national marketing campaign has been approved by the Austroads Council. This program will oversee advertising in targeted media, as well as the placement of posters, cards and other promotional material.

- Workshops have been conducted involving human resources and technical staff from member authorities. Topics addressed were 'Retention of Staff', 'Job Redesign and Competency Profiling', and 'Developing People'. These workshops enable members to exchange information on approaches that they have found successful within their own organisation, and to use their experiences as a basis to build on these strategies where there is a national benefit in doing so.
- A paper entitled *Maintaining a Skilled Technical Workforce in a High Demand Environment* was presented on behalf of Austroads at the World Road Association centenary conference in Paris in September 2007.

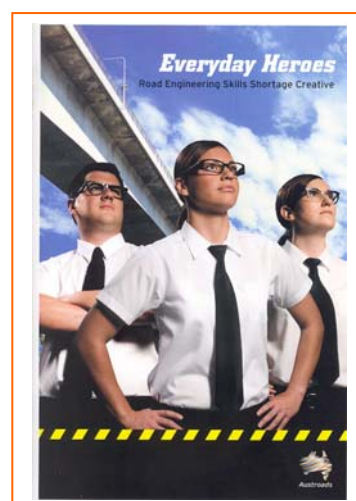
Future directions

The task force will continue to meet a minimum of three times a year. The proposed work program for 2008-09 comprises:

- Continuation of 'best-practice' focused workshops aimed at assisting organisations to maintain high levels of technical capability and at building national approaches to capability issues.
- Completion of an approved research project to update road industry labour market projections and to monitor capability trends.
- Completion of a project to address post graduate requirements for road agencies. An earlier project has identified the primary road engineering capability requirements of agencies. This project will analyse gaps between these required capabilities and existing post graduate offerings and will recommend postgraduate programs to be developed, including proposed delivery strategies.
- Monitoring of the national skills marketing campaign.



www.powersforgood.com.au



FREIGHT



Program Manager

Philip Halton

General Manager, Compliance & Freight Strategy
Roads & Traffic Authority, New South Wales

Program support

Michael McKenna

Senior Project Manager, Compliance and Freight Strategy

Program overview

The program focuses on enabling the future freight task by concentrating on the following streams:

- understanding the future freight task
- understanding community impacts and industry needs
- managing freight growth
- improving heavy vehicle access.

The Freight program is supported by a task force comprising senior regulators from freight and heavy vehicle policy and operational areas of Austroads member organisations. The primary objective of the program is to improve road freight operations and the integration with other transport modes in the context of a rapidly increasing freight demand.

At the national level, the Council of Australian Governments (COAG) transport reform agenda and the Australian Transport Council (ATC) National Transport Policy Framework both impact significantly on national freight operations. The Freight program continues to be an active participant representing the unique needs of road freight at the national level, during a period of significant change.

Achievements 2007-08

The Freight program completed the following projects in 2007-08:

- Freight Forecasting and Analysis – scoping study (FS1152)
- Heavy Vehicle Access Management Workshop (FS1179)
- Community Attitudes to Road Freight Vehicles – Behavioural Research (FS1010)
- Vehicle Environmental Standards for Night-time Operations (FS1011)
- Freight Routes in Urban and Rural Areas [Scoping Study] (FS1214)
- Development of a Road Network for B-Triples [COAG] (FO1332)
- Managing High Wide Loads (FS1215).

The following outputs were published in 2007-08:

- *Community Attitudes to Road Freight Vehicles*
- *Development of a Road Network for B-Triples*
- *Managing High Wide Loads*
- *Guideline for Freight Routes in Urban and Rural Areas*
- *Strategies for Reducing the Environmental Impacts of Increased Night-time Operations of Road Freight*

- *City and National Freight modelling.*

Ongoing projects 2008-09

The Freight program currently focuses on the research, development and completion of the following ongoing strategic research projects:

- Guidelines for Identifying, Assessing and Managing the Environmental Impacts Arising from Trucks Using Metropolitan Road Links
- Road Transport Compliance and Enforcement – monitoring and reporting
- Local Government and the Future Freight Task
- Freight Task Industry Stakeholder Assessment
- Demand for B-Triple/Quad-axle B-Double Network De-coupling Points
- Compliance & Enforcement Technology Opportunities
- Administrative Trial and Assessment of Electronic Tacograph Pilot
- National Access Conditions for PBS and other High Productivity Vehicles.

Future directions

Anticipated strategic projects intended to inform future initiatives in the wider COAG and ATC reform programs, to be undertaken in 2008-09 include:

- Freight Data & Business Systems Feasibility Study
- Competency and Capability Matrix for Regulators
- Impact of LCVs/Rigid Trucks in Urban Networks
- Parking and Rest Opportunities in Areas Zoned for Industrial Purposes
- Local Government and the Future Freight Task (Stage 2) – guideline dissemination.

NETWORK



Program Manager

John Erceg

Manager, Road Network Operation
Main Roads Western Australia

Program support

Amy Hall

Austroads Program Executive

Program overview

In 2007-08, the objective of the Network program was to focus research on improving the productivity and reliability of the road network in moving people and goods. The work of the program was focussed on delivering outcomes that support the following strategic priorities:

- managing traffic control through a network approach
- supporting sustainable transport modes
- managing demand by all user groups
- leading strategic technical developments.

The development and on-going maintenance of the Guide to Traffic Management was also part of the work of this program.

Achievements 2007-08

The Network program completed the following projects in 2007-08:

- Guidelines for Evaluation of Non-Pricing Travel Demand Management (NS1148)
- National Performance Indicators for Network Operations (NS1207)
- Understanding how Operational Changes Impact Network Performance (NS1147)
- Guide to Traffic Management – Parts 5 and 6 (NP1047)
- Improving Levels of Service to Specific Users, Including Freight, Public Transport and Emergency Vehicles (NS1150)
- Securing Dedicated Short Range Communications (DSRC) Spectrum for ITS Applications (NS1206)
- Guide to Traffic Management – Parts 1, 2 and 11. Scoping Parts 3, 7, 10 and 13 (NP1224).

The following outputs were published in 2007-08:

- *A Framework for Appraisal and Evaluation of Travel Demand Management Measures*
- *National Performance Indicators for Network Operations*
- *Understanding how Operational Changes Impact Network Performance*
- *Tools that Impact Network Performance: Integrated Tools*
- *Tools that Impact Network Performance: Measurement and Evaluation Tools*
- *Tools that Impact Network Performance: Road Space Allocation Tools*
- *Tools that Impact Network Performance: Dynamic Traffic Management Tools*
- *Tools that Impact Network Performance: Summary Report*

- *Guide to Traffic Management:*
 - *Part 1 – Introduction to Traffic Management*
 - *Part 5 – Road Management*
 - *Part 6 – Intersections, Interchanges and Crossings*
 - *Part 8 – Local Area Traffic Management*
 - *Part 11 – Parking.*

The following outputs were completed in 2007-08 and have since been published:

- *Guide to Traffic Management Part 2: Traffic Theory*
- *Securing Dedicated Short Range Communications (DSRC) Spectrum for ITS Applications.*

Ongoing projects 2008-09

The Network program currently focuses on the research, development and completion of the following ongoing work areas:

Strategic research projects

- Traveller Information – benefits to users
- Estimating Road Network Congestion and Associated Costs
- Optimising Freeway Traffic Flow under Congested Conditions
- Operational Impacts of Alternative Vehicles
- Austroads Microsimulation Standards
- Development of a National Approach to Traffic Control at Work Sites
- Network Operations Planning Framework
- Freeway Design Parameters for Fully Managed Operations
- Implementation of Network National Performance Indicators
- Traffic Signal Controllers – future directions
- Best Practice for Variable Speed Limits.

Publications

The remaining seven parts of the Guide to Traffic Management will be completed in 2008-09:

- Part 3 – Traffic Studies and Analysis
- Part 4 – Network Management
- Part 7 – Traffic Management in Activity Centres
- Part 9 – Traffic Operations
- Part 10 – Traffic Control and Communication Devices
- Part 12 – Traffic Impacts of Developments
- Part 13 – Road Environment Safety.

Future directions

The Network program aligns strongly with several new National Transport Policy Framework themes including Urban Congestion, Climate Change, Environment and Energy, and Safety and Security. Some projects will also contribute to the Infrastructure Planning and Investment, and Social Inclusion themes.

The new strategic research projects to commence in 2008-09 are:

- The commercial and core function role of road agencies in providing raw data and/or traveller information – assisting agencies in making information available enabling informed choices regarding mode, route and time of travel.
- Development of the management arrangements and identification of pilot applications for 5.9 ITS – placing Australasia at the forefront of emerging technical developments in the automotive industry to achieve safety and efficiency outcomes for the community and providing a basis for possible commercial applications.
- Guidelines for selecting techniques for modelling network operations including environmental impacts – strengthening the links between traffic modelling and environmental impacts.
- Development of accessibility measures – establishing collective performance of the transport system in terms of how the system is serving its residents.
- Understanding the impacts of road pricing approaches on future road use and network wide traffic patterns – determining behavioural responses, impacts of traffic diverted from key routes and the equity impacts of different approaches.
- Define the applicability of international ITS standards to Australasia – keeping abreast of the latest international developments from ISO committee TC 204 – Intelligent Transport Systems.
- Equalising traffic density in a network of signalised intersections – providing guidance on allocating congestion in an equitable manner in order to minimise overall network congestion.
- Freeway incident detection – technologies and techniques – improving automatic freeway incident detection (AFID) and providing guidance on the selection and use of such applications.
- Effectiveness and selection of intersection treatments for cyclists – improving the facilities and safety and convenience to cyclists.
- Heavy Vehicle sight distances at rail crossings – obtaining information on sight distance requirements for heavy vehicles at rail crossings for incorporation into Austroads Guide to Road Design and AS1742.7.

AUSTRALIAN BICYCLE COUNCIL

The Australian Bicycle Council (ABC) oversees and coordinates implementation of the Australian National Cycling Strategy 2005–2010. The ABC provides a forum for the sharing of information between stakeholders involved in implementing the Strategy and maintains a repository of information and resources relevant to providing for and promoting increased cycling in Australia.

The ABC met in August and November 2007 and March 2008. The main focus continues to be on the implementation of the Australian National Cycling Strategy 2005-2010 which is progressing well.

The ABC launched the Cycling Resource Centre (CRC) (www.cyclingresourcecentre.org.au) in November 2007. The CRC was funded by DITRD LG and is a web-based information hub for all things related to cycling. The CRC has had over 12,000 visitors in its first eight months of operation. Eighty-three percent of the visitors are from Australia and New Zealand. Feedback on the site has been very positive.

Jurisdictions reported that over 320 kilometres of new cycleway was built in the 2007-2008 financial year, at a cost of over \$68m. An increase was also reported of 23% in 2007 from the previous year, in average annual daily trips, for their top five cycle routes in urban areas.

The ABC secretariat contributed to and participated in several national and state based conferences including Australian Cycle Tourism, National Tracks and Trails, and On Your Bike (NSW) in the past 12 months to help generate greater awareness of cycling as a sustainable transport option.

The ABC and the Australian Local Government Association are continuing to work together to help local government to provide a more integrated sustainable transport network, via the CRC and regional meetings for council officers.

As part of the ABC's reporting arrangements, a separate annual report was produced and presented to the Australian Transport Council.

The secretariat to the ABC is provided by the Austroads national office with funding from DITRD LG.



REGISTRATION AND LICENSING



Program Manager

David Stuart-Watt

Director Licensing, Registration & Freight
Roads & Traffic Authority, New South Wales

Program support

Emma Chandler

Project Manager R&L Task Force

Program overview

The program focuses on the following streams:

- development and promotion of national policy initiatives to achieve best practice in vehicle registration and driver licensing
- data integrity – national consistency and compliance through interoperability and accuracy
- using technology to improve data security
- data exchange
- managing access to information
- harmonisation of driver licensing and vehicle registration schemes.

The Registration and Licensing program is supported by a task force comprising senior staff from the relevant areas of Austroads member, observer and stakeholder organisations. The primary objective of the task force is to assist road and transport agencies in their efforts to improve the security and integrity of vehicle registration and driver licensing systems and to promote national consistency. The work of the task force is undertaken in the context of an increasing focus on the security and integrity of registration and licensing information, and in particular client enrolment processes.

The task force also provides strategic direction for the ongoing operation and enhancement of the National Exchange of Vehicle and Driver Information System (NEVDIS) which provides for the real time access to and exchange of driver and vehicle information between states and territories in Australia.

Achievements 2007-08

In 2007-08, the Registration and Licensing program completed the following projects:

- Use and Application of Motor Vehicle Registration Labels (RS1199)
- Performance Indicators for the Delivery of Registration and Licensing Services (RS1202)
- Enhancing the National Written-Off Vehicle Register (RS1201).

In addition to the completed projects, the program also:

- Finalised the Memorandum of Understanding and associated schedules for the Smartcard Licence Interoperability Protocol (SLIP). The purpose of SLIP is to ensure interoperability of smartcard driver licences for Australian jurisdictions which may transition to this technology.
- Investigated and reported on options for Greater Harmonisation of Registration and Licensing Practices as requested by the Council for the Australian Federation.

- Developed national performance indicators for the delivery of registration and licensing services.
- Investigated the possibility of removing engine numbers as a vehicle identifier.
- Investigated enhancing the National Written-Off Vehicle Register.
- Investigated and reported on the use and application of motor vehicle labels.
- Participated and supported the steering committee for the Automated Number Plate Recognition Scoping Study being undertaken by CrimTrac.
- Convened a joint meeting with the Freight task force in order to provide an opportunity for jurisdictions to discuss issues surrounding a potential national vehicle registration and driver licensing scheme as part of the Australian Transport Council's new National Transport Policy.

The following output was published in 2007-08:

- *The Use and Application of Registration Labels.*

Ongoing projects 2008-09

The program currently focuses on the research, development and completion of the following ongoing work areas:

- Security and identity management – driver licence (SCOT/ATC project)
- Vehicle information request system
- Driver licence exchange of information systems
- Participation in the development of the national document verification service
- Participation in the progression of the national identity security strategy
- SLIP
- Response to the Council for the Australian Federation regarding further investigation of options to achieve national consistency in driver licensing and vehicle registration
- Participation and support of the Automatic Number Plate Recognition project being undertaken by CrimTrac.

Future directions

A number of new projects have been identified for the 2008-09 period which will continue to strengthen the national driver licensing and vehicle registration frameworks. These include:

- National recognition of road worthiness procedures
- Feasibility of implementing a smart registration/smart plate and future parameters of automated number plate recognition technology usage
- Development of protocols and business rules for participation in the National Document Verification Service
- Enhancement of procedures for the assessment of fitness to drive
- National review of heavy vehicle and motorcycle instructor training and assessment standards
- Investigation of the costs and benefits of continuous registration
- Evaluation of the use of additional biometrics.

NATIONAL EXCHANGE OF VEHICLE AND DRIVER INFORMATION SYSTEM

Project overview

In 1993, a study was undertaken for Austroads which formulated a National Strategy for Interfacing/Integrating Registration and Licensing Systems. The main outcome of the study was the definition of a system solution, with the National Exchange of Vehicle and Driver Information System (NEVDIS) to provide the interface between Australian registration and licensing jurisdictions.

Operation of the NEVDIS application began in 1998. The contract and day to day operational matters are managed by the NEVDIS administration unit. The unit is housed and supported by RTA NSW under the terms of a Memorandum of Understanding with Austroads.

The Registration and Licensing task force provides strategic direction for the ongoing operation and enhancement of NEVDIS which provides for the real time access to and exchange of driver and vehicle information between states and territories in Australia.

NEVDIS objectives

The Austroads Council has approved the following objectives for NEVDIS:

- Provide information to jurisdictions to prevent the issue of multiple drivers' licences by different jurisdictions.
- Prevent the issue of multiple heavy vehicle driver log books by different jurisdictions.
- Aggregate demerit points gained in any jurisdiction, to enable appropriate sanction to be initiated by the licence issuing jurisdiction.
- Enable licence suspension, cancellation or driver disqualification in any jurisdiction to be available to all jurisdictions.
- Ensure driver licence history in any jurisdiction is available to all jurisdictions.
- Within privacy constraints, provide access for authorised agencies to registration and licensing status information. For example, current or restricted licence, positive vehicle identification and specific restrictions including stolen or written off.
- Enable management of vehicle defects across all jurisdictions.
- Provide access to alternative compliance information in other jurisdictions.
- Facilitate transparent conversion of a licence from one jurisdiction to another.
- Facilitate transparent conversion of registration from one jurisdiction to another.
- In conjunction with jurisdictions, clearly identify individuals accessing NEVDIS data.
- Accommodate the progressive adoption of enhancements by jurisdictions.
- Facilitate opportunities for commercialisation of NEVDIS data within privacy constraints.
- Support the national compliance and enforcement provisions under development by the National Transport Commission (NTC).
- Provide the flexibility to support future functionality enhancements.

Achievements 2007-08

In 2007-08, the NEVDIS team:

- Renegotiated a four year contract with service provider Fujitsu Australia Limited with a significant cost saving.
- Finalised the NEVDIS five year business plan 2008-2012.
- Completed the NEVDIS strategic review scoping study.
- Upgraded the pilot Document Verification Service (DVS) system with improved name matching capability.
- Implemented the regular execution of data cleansing to enhance the ability of NEVDIS to support the 'one vehicle – one VIN' principle.
- Implemented the enhancements of the Search Software America (SSA) name searching software into a production state to improve the ability of NEVDIS to support the 'one person – one licence' principle.
- Signed a Vehicle Information Request System (VIRS) contract with an information broker to supply vehicle data to insurers. The project delivers a pilot and requires an evaluation prior to full production. This system provides access to the NEVDIS database to assist insurers in reducing motor vehicle theft and insurance fraud.
- Progressed negotiations with Centrelink on the vehicle checking system project to support the AusIndustry LPG conversion grants scheme.
- Supported the Smartcard Licence Interoperability Protocol (SLIP) project.
- Supported the Australian Government to complete a scoping study for the Automated Number Plate Recognition (ANPR) project that aims to enhance the ability of police to detect criminal activity that involves the use of motor vehicles.
- Progressed the Australian Government Personal Security Register (PPSR) project to ensure written off and stolen vehicle information is provided as part of future vehicle financial encumbrance checks.

Ongoing projects 2008-09

The following projects and work will be progressed during 2008-09:

- NEVDIS strategic review
- Implementation of licence history transfer between jurisdictions
- Implementation of VIRS to supply vehicle data to insurers
- Transition from the pilot DVS system to the national DVS system
- Improvement of overseas licence tracking to allow better management of duplicate licence numbers
- Continuation of data integrity improvements
- Continuation of support of the Australian Government Personal Security Register (PPSR) project
- Support of the implementation of the Australian Government Automated Number Plate Recognition (ANPR) project.

Future directions

A number of new projects may arise in relation to the harmonisation and identity security initiatives which will require significant NEVDIS involvement. In particular:

- Vehicle registration history transfer
- Investigation of potential commercial opportunities which may assist in combating financial and identity fraud.

SAFETY



Program Manager

Phil Allan

Executive Director, Safety and Regulation Division
Department for Transport, Energy and Infrastructure South
Australia

Program support

Jerome Claessen

Senior Policy Adviser

Program overview

The program focuses on a safe system – a framework for action.

Key elements of the safe system are:

- Road risk assessment, treatment and standards (including safe speeds)
- Driver licensing
- Safer vehicles.

The primary objective of the program is to develop and deliver a program of research that will assist road and transport agencies in their efforts to improve road safety.

Achievements 2007-08

In 2007-08, the Safety program completed the following projects:

- Development of Safety Publications Series (SP1051)
- Audit of Rest Areas Against National Guidelines [COAG] (ST1331)
- Road Safety Engineering Risk Assessment Stage 5 (ST1194)
- Analysis of the Safety Benefits of Heavy Vehicle Accreditation Schemes (SS1057)
- Future Strategic Road Safety Engineering Research (ST1208)
- Safer Vehicle Purchases: Developing Cost/Benefit Estimates for Fleet Managers and Others (SS1025)
- Older Driver Model Assessment Program, Phase 3 [Implementation and Evaluation of Improved Screening Procedures for Assessing Older Drivers Performance Levels] (SS1144)
- The Crash and Offence Experience of Newly Licensed Young Drivers Over Time Related to Characteristics of Those Drivers (SS1190)
- Review of Safety Practices used by Commercial Vehicle Purchasers (SS1026).

The following outputs were published in 2007-08:

- *Road Safety Engineering Risk Assessment – Stage 5*
- *Analysis of Safety Benefits of Heavy Vehicle Accreditation Schemes*
- *Audit of Rest Areas Against National Guidelines*
- *Guide to Road Safety:*
 - *Part 3: Speed Limits and Speed Management*
 - *Part 9: Roadside Hazard Management.*

The following outputs were completed in 2007-08 and have since been published:

- *Trial of a Model Licence Re-assessment Procedure for Older Drivers: Stage 3 Research*
- *Safer Vehicle Purchases: Developing Cost-effectiveness Estimates for Fleet Managers and Others – Project Summary Report*
- *Safer Vehicle Purchases: Developing Cost/Benefit Estimates for Fleet Managers and Others – Part A: Crash Profiles and Risk Estimates*
- *Safer Vehicle Purchases: Developing Cost/Benefit Estimates for Fleet Managers and Others – Part B: Injury Levels in Crashes*
- *Safer Vehicle Purchases: Developing Cost/Benefit Estimates for Fleet Managers and Others – Part C: Cost Of Injuries and Property Damage in Crashes*
- *Safer Vehicle Purchases: Developing Cost/Benefit Estimates for Fleet Managers and Others – Part D: Injury Reductions With Various Fleet Purchasing Policies*
- *Safer Vehicle Purchases: Developing Cost/Benefit Estimates for Fleet Managers and Others – Part D: Supplementary Component: Use of In-Depth Crash Data*
- *Safer Vehicle Purchases: Developing Cost/Benefit Estimates for Fleet Managers and Others – Part E: Cost-Effectiveness Analysis of Fleet Purchasing Options*
- *Improving Fleet Safety – Guidance Material for Moving Towards Best Practice*
- *Improving Fleet Safety – Current Approaches and Best Practice Guidelines*
- *The Crash and Offence Experience of Newly Licensed Young Drivers.*

Ongoing projects 2008-09

Publication projects (these are the final parts of the Guide to Road Safety and are all due to be finalised by October 2008):

- Development of the Guide to Road Safety:
 - Part 4: Local Government and Community Road Safety
 - Part 6: Road Safety Audit
 - Part 8: Treatment of Crash Locations.

Strategic research projects

- A Road Safety Engineering Toolkit
- Balance Between Harm Reduction and Mobility in Setting Speed Limits – Stages 2 and 3
- Older Driver Model Assessment Program – Phase 4
- Australasian Road Safety Handbook – Volume 5
- Road Safety Audit Toolkit
- Safety Benefits of Improving the Interaction Between Heavy Vehicles and the Roads System
- Reducing Trauma Associated with Non-Wearing of Seatbelts in Australia – Where to Next?
- Consideration of Component Costs in Transport Projects to Ensure the Appropriate Valuing of Safety Effects
- Traffic Management and Infrastructure: Lessons from In-Depth Crash Investigations.

Technical research projects

- Development of Performance Measures that Reflect the Contribution of Road Engineering to Road Safety
- Rural Safety in Rural and Remote Areas – Heavy Vehicle Safety
- Road Safety Risk Assessment – Stage 6

- Evaluation of the Safety Impact of Centre-of-the-Road Wire Rope Barrier on Undivided Rural Roads
- Impact of Speed and Safety Benefits of LATM Treatments
- Review of ITS and VMS, Including Rural and Remote Areas.

Future directions

A number of new projects have been identified and will be undertaken over the 2008-09 period. They are designed to build on the strategic theme: safe system – framework for action, and to include the key elements underlying this strategic priority: safe system, road risk assessment, treatment and standards, driver licensing and safer vehicles. These research areas include:

- Classification of Motorcycles as a Distinct Vehicle Class
- Heavy Vehicle Brake Safety on Long and Very Steep Roads – An investigation into auxiliary braking systems
- The Nature of Errors Made by Drivers
- Shifting Transport Modes and the Impact of Road Safety
- Crash Exposure/Safety on Local Roads
- Impact of Lower Speed Limits, for Improved Road Safety, on Network Operations
- Safe Intersection Treatment Approaches including Safer Speeds through Intersections
- Infrastructure/Speed Limit Relationships in Relation to Road Safety Outcomes
- Improving Safety of Heavy Vehicles in Urban Areas.

TECHNOLOGY



Program Manager

David Hubner

Manager (Network Planning)
Brisbane District Office, Metropolitan Region
Department of Main Roads Queensland

Program support

Philip Rankine

Principal Advisor (Austroads)

Program overview

The objective of the Technology program is to promote best practice in technology.

The development and maintainance of a comprehensive catalogue of publications was the primary focus of the program in 2007-08. The program is in the process of developing the following guides:

- Guide to Bridge Technology
- Guide to Pavement Technology
- Guide to Project Delivery
- Guide to Project Evaluation (complete)
- Guide to Road Design
- Guide to Road Transport Planning
- Guide to Tunnel Technology.

In addition to the guides, the program oversees several major technical research projects in the areas of bituminous surfacings and pavement structures.

The program is supported by review panels comprising senior staff from the relevant areas of Austroads member, observer and stakeholder organisations. The primary objective of the review panels is to manage and support the development of the guides and oversee technical research. John Worrall contributed to the Technology program as the program manager until December 2007.

Achievements 2007-08

In 2007-08, the Technology program completed the following projects:

- Using Overseas Bitumen (TT1134)
- Review of CPEE Distance Learning Study Units – Pavement Design, Pavement Maintenance and Rehabilitation and Road Asset Management (TO1402)
- Improved Sprayed Sealing Operations – Procedures and Guidelines (TT1132)
- Maximising the Benefits from Polymer Modified Binders (TT1133)
- Delivering Better Quality Asphalt (TT1135)
- Guide to Project Delivery – Parts 1, 2 and 3 (TP1160)
- Guide to Project Delivery – Part 4 (TP1226)
- Glossary of Terms (TP1330)
- Influence of Vertical Loading on the Performance of Unbound and Cemented Materials (TT1065).

The following guides were published in 2007-08:

- *Guide to Pavement Technology Part 4: Pavement Materials*
- *Guide to Pavement Technology Part 4B: Asphalt*
- *Guide to Pavement Technology Part 9: Pavement Work Practices*
- *Guide to Project Delivery Part 1: Overview*
- *Guide to Project Delivery Part 2: Project Delivery Planning and Control*
- *Guide to Road Design Part 7: Geotechnical Investigation and Design*
- *Glossary of Austroads Terms.*

The following technical reports were produced as part of the Austroads technical research program:

- *Estimating Uncertainty in Measurements Made on Materials*
- *The Durability of Australian Bitumens: 1956–2004*
- *Polyphosphoric Acid Modified Binders*
- *Laboratory Assessment of Wax Modified Asphalt*
- *Construction and Initial Testing of Brisbane City Council Asphalt Trial*
- *Temperature Susceptibility of the Ball Penetration Test – Stage 1: Laboratory Assessment*
- *Warm Asphalt Mix Review*
- *Proceedings of Austroads National Stone Mastic Asphalt (SMA Workshop)*
- *Optimum Use of Granular Bases – Construction of Test Pavements*
- *A Review of Austroads Gyratory Compaction Research.*

The following outputs were completed in 2007-08 and have since been published:

- *Guide to Project Delivery Part 3: Contract Management*
- *Guide to Project Delivery Part 4: Direct Management of Construction.*

The following outputs were produced as part of Austroads' ongoing support to the Centre for Pavement Engineering Technology:

- Review of CPEE Distance Learning Study Units – Pavement Design, Pavement Maintenance and Rehabilitation and Road Asset Management
- Review of CPEE Distance Learning Study Unit – Pavement Wearing Surfaces
- Development of New CPEE Distance Learning Study Unit – Project Evaluation Principles.

Ongoing projects 2008-09

The Technology program is focussing on the following on-going work areas:

Publication projects

- Guide to Bridge Technology:
 - Part 2: Materials
 - Part 3: Typical Bridge Superstructures, Substructures and Components
 - Part 4: Design, Procurement, Concept Design and Drafting
 - Part 5: Design Notes
 - Part 6: Bridge Construction
 - Part 7: Maintenance and Management of Existing Bridges

- Guide to Pavement Technology:
 - Part 2: Pavement Structural Design
 - Part 3: Pavement Surfacing
 - Part 4A: Granular Base and Subbase Materials
 - Part 4C: Materials for Concrete Road Pavements
 - Part 4E: Recycled Materials
 - Part 4F: Bituminous Binders
 - Part 4G: Geotextiles and Geogrids
 - Part 4H: Test Methods
 - Part 4I: Earthworks Materials
 - Part 4J: Aggregate and Source Rock
 - Part 4K: Seals
 - Part 4L: Stabilising Binders
 - Part 5: Pavement Evaluation and Treatment Design
 - Part 6: Unsealed Pavements
 - Part 7: Pavement Maintenance
 - Part 8: Pavement Construction
 - Part 10: Subsurface Drainage
- Guide to Road Design:
 - Part 3: Geometric Design
 - Part 4: Intersections and Crossings – General
 - Part 4A: Unsignalised Intersections and Signalised Intersections
 - Part 4B: Roundabouts
 - Part 4C: Interchanges
 - Part 5: Drainage Design
 - Part 6: Roadside Design, Safety and Barriers
 - Part 6A: Pedestrian and Cyclist Paths
 - Part 6B: Roadside Environment
 - Part 8: Process and Documentation
- Guide to Road Transport Planning
- Updating Austroads RUE Unit Values and Related Methodologies.

Technical research projects

- Influence of Vertical Loading on the Performance of Unbound and Cemented Materials
- Better Basis for Bases: Optimum Use of Granular Bases
- Materials Innovation Management System
- Influence of Multiple Axle Loads on Pavement Performance
- Innovative Binder Delivery Systems (pilot study)
- Management of Scarce and Quality Resources
- Asphalt Properties and Mix Design Procedures
- Optimising Binder Performance

- Surface Characteristics to Meet Road User Needs
- Maintaining the Rural Road Network
- Strategic Review of Pavement Design Practice
- Cost-effective Structural Treatments for Rural Highways.

Strategic research projects (joint with National Transport Commission)

- PBS Bridge Loading Package – scoping project
- Develop ESA (Equivalent Standard Axles) Relationships for all Heavy Vehicle Classes Using Both an Average and a Distribution Approach Methodology
- Investigate Cost Allocation Relationships for Bridges in Relation to Heavy Vehicles.

Future directions

Building on the strategic objectives of the Austroads Strategic Plan 2007-12, new projects which will commence in 2008-09 are planned to bring a conclusion to development of the guides and will continue important technical and other research. New projects fall within the following areas:

- Guide to Bridge Technology – remaining parts
- Guide to Pavement Technology – remaining parts
- Guide to Road Design – remaining parts
- Guide to Road Transport Planning
- Guide to Tunnel Technology
- Technical Research
 - Development of Pavement Design Models
 - Environmental Issues of Warm Asphalt
- Other Research
 - Review of CPEE Distance Learning Study Units on 'Flexible Pavement Construction' and 'Rigid Pavement Construction'
 - Development of new CPEE Distance Learning Study Unit – Road Engineering Fundamentals
 - Review of CPEE Distance Learning Study Unit – Managing the Road Environment.

TECHNICAL RESEARCH

Program overview

In 2004, Austroads entered into an agreement with the ARRB Group to support technical research in four key areas:

- Bituminous surfacings
- Pavement technology
- Asset management
- Road safety engineering.

The purpose of the agreement was to develop and sustain a national capability for technical research and knowledge in each of the key areas so this can be available to meet the future requirements of the Australasian road industry.

An important part of the program is dissemination of the research outputs. In 2007-08 this has been achieved by:

- over 15 technical reports which are available free of charge from the Austroads website
- integration of results into the Austroads guides
- over 10 related conference papers presented in Australia and overseas
- project related newsletters in road safety and asset management
- completion of the first round of the two-day Austroads research roadshow in all states
- specialist project related workshops
- user pays workshops covering various parts of the Austroads guides.

The following sections provide a brief overview of progress in 2007-08. A more detailed description of the research is provided in the ARRB fourth annual report on technical research.

Bituminous surfacings

A number of issues are being addressed which aim to improve the ability of road authorities to manage their surfacings assets in response to the emerging freight task and community expectations. Implementation of the Austroads asphalt mix design procedure and development of a mix design procedure for Stone Mastic Asphalt (SMA) form part of this work.

Improved knowledge in the area of bituminous binders is a key aspect in the performance and service life of sprayed seals and asphalt surfacings. A banded specification for polymer modified binders (PMBs) is being progressed with the aim of ensuring the correct binder is specified for each particular application. Once implemented, this specification will greatly assist with minimising the potential for early PMB seal failures. Work is progressing on incorporation of heavy vehicle axle groups for traffic characterisation in sprayed seal design.

The research on bituminous surfacings has required extensive laboratory testing (both routine and highly specialised) together with a field trial of asphalt mixes. The work has involved significant stakeholder engagement with road authorities and industry and it is providing significant training and development opportunities for ARRB staff.

Pavement technology

The pavement technology research program remains focussed on improving understanding of the response of pavements to increasing vehicle loads and new-generation heavy vehicles. Emphasis is being placed on unbound granular materials which make up the bulk of Australasia's road networks.

Full scale accelerated performance testing of a range of unbound granular materials has been completed and the data is being used to assess the capability of laboratory performance tests to predict observed field performance. The laboratory test procedures need to be verified so that they can be more confidently used to assess a wide range of materials as fit for purpose. For cement treated materials, the research is dealing with the issues of performance under increasing axle loads and the development and validation of new laboratory characterisation techniques. The Accelerated Loading Facility (ALF) was used to establish that a load damage exponent of five to eight was applicable for two test pavements studied. The flexural beam fatigue test is now being used to assess the sensitivity to axle loads of a wider range of cemented materials in the laboratory.

A strategic review of current pavement design practice has commenced. This includes investigation of improved procedures for Finite Element (FE) analysis of pavement structures. Such procedures will enable more detailed and accurate analysis of pavement structures.

Asset management

Research in the asset management area involved the development of tools to assist road authorities to determine the impact of increases in axle loads. The tools incorporate currently available knowledge and allow assessment of the effects of incremental increases in axle group loads on the road network in terms of road condition and road agency, road user and societal costs. This work was undertaken in partnership with the NTC.

The long term monitoring of pavement performance remains a major component of the asset management program. This research is focussing on the use of the data already collected in the development of improved road deterioration models better tailored to suit road authority requirements. These improved models for both road deterioration (roughness and structural) and works effects will also allow refinement of the above tools to predict the impacts of incremental axle load increases in terms of both costs and conditions.

The research in asset management has enabled two PhD candidates to successfully complete their doctoral degrees. Dr Matthew Byrne was the first PhD under the Austroads fellowship and Dr Tim Martin recently gained his PhD through Monash University on the topic of road deterioration models for sealed unbound granular pavements.

Road safety engineering

The major focus of the road safety engineering program is on the assessment of road safety engineering risk. This involves improving an understanding of the relationship between risk and a variety of road and traffic elements, including:

- road design elements (e.g. horizontal alignment)
- likely crash reductions associated with common treatments
- typical crash rates and crash cost rates for different road stereotypes.

Expected outputs will be:

- risk-based road safety advice and tools for safety practitioners and planners
- the integration of road safety practice with current pavement and asset management systems
- objective data on relative risks for various road design features.

INTERNATIONAL



International Committee Chairman

Menno Henneveld

Commissioner

Main Roads Western Australia

Austroads coordinates aspects of the international involvement of its member organisations, such as:

- Involvement with the World Road Association (PIARC)
- Partnerships with peak road organisations in other countries
- Involvement with other international road organisations including the Road Engineering Association of Asia and Australasia.

World Road Association (PIARC)

The World Road Association is based in Paris. It has member countries from more than 140 nations. Colin Jordan continued as President and will remain in the position until the end of his four-year term in December 2008.

Its main activity is the work by technical committees which bring together technical experts from around the world. Each committee addresses an area of current and emerging issues facing road authorities. The committees report on their work to the World Road Congress which the Association convenes every four years.

The last cycle of technical committees concluded when they reported to the World Road Congress in Paris in September 2007. New technical committees were established in early 2008. Australia and/or New Zealand have full or corresponding representatives on 16 of the 17 new committees.

These representatives provide regular progress reports on the work of their technical committee, which are included on the Austroads website, therefore sharing the knowledge gained amongst Austroads members and the wider road and road transport industry throughout Australia, New Zealand and overseas. Linkages are also established for these reports to be considered by the relevant Austroads groups. Austroads also includes updates of the work of technical committees in its regular newsletters.

In addition to its representation on technical committees, Australia is represented on the Executive Committee, the Strategic Planning Commission and the Communications Commission of the World Road Association.

Austroads also supports the Association by arranging the secondment of a professional officer from an Australasian road authority to work with the Association's secretariat in Paris. Pierre Castelino, from VicRoads, concluded a nine month secondment in October 2007. Leanne Grant from RTA NSW was seconded to the secretariat from September 2007 until June 2008. In June 2008, Michelle Baran from Queensland Main Roads commenced the current secondment. These secondments have proved very useful in forging closer links between the Association and Austroads and Australasian road authorities to maximise the mutual benefits as well as providing an outstanding professional development opportunity for the officers involved.

In 2007, Austroads coordinated arrangements for the Australasian delegates attending the World Road Congress in Paris. A welcome function was arranged at the Australian Embassy for the Australasian delegation prior to the official Congress opening. The function was hosted by the Australian Ambassador to France, Her Excellency Ms Penelope Wensley AO and attended by the New Zealand Ambassador to France, Her Excellency Ms Sarah Dennis.

A display was organised of Austroads' work as the national committee for Australia and New Zealand as part of the Association's national committees' exhibition at the Congress. Several of the Austroads representatives on technical committees contributed to technical sessions at the Congress. Austroads also organised a special session on 'Providing for the operation of high productivity heavy vehicles on roads'.



Colin Jordan President of PIARC with Ministers at the opening session



Menno Henneveld with the Australian and New Zealand Ambassadors to France

An historical symposium was held as part of the Congress which reviewed roads and road transport in the 20th century. Australia's contribution, prepared by VicRoads, was about Collins Street in Melbourne, with pictures depicting the history of Collins Street and the Melbourne CBD and its development during the 20th century.



Partnerships with peak road bodies in other countries

AASHTO

Austroads has an agreement with the American Association of State Highway and Transportation Officials (AASHTO), an association representing highway and transportation departments in the United States of America. This involves the exchange of information and research results and publications.

The Austroads national office continues to maintain regular contact with AASHTO. Free copies of AASHTO publications are received under the agreement between the two organisations. These are forwarded to the ARRB library so they are available to the staff of Austroads member organisations.

AAMVA

Austroads has an agreement with the American Association of Motor Vehicle Administrators (AAMVA). AAMVA is the equivalent organisation of AASHTO which covers vehicle registration and driver licensing in the United States of America. The agreement was renewed in December 2006 for a further three years. It provides for the sharing of information between the two organisations.

Transportation Association of Canada

Austroads has an agreement with the Transportation Association of Canada (TAC). TAC promotes the provision of safe, efficient, effective and environmentally and financially sustainable transportation services in Canada. The agreement provides for the exchange of information and possible cooperative and collaborative research on topics of mutual interest.

Through an ongoing interchange with TAC, the Austroads Safety program manager was supported by Austroads to attend the Canadian road safety conference in British Columbia in June 2008 to make a presentation on road safety in Australia.

OECD/ECMT

The Organisation for Economic Cooperation and Development (OECD) and the European Council of Ministers of Transport (ECMT) have agreed to work together on transport research through the establishment of a Joint Transport Research Centre (JTRC). Austroads works with DITRD LG to participate in the various research initiatives of the JTRC, generally as corresponding members of projects teams. Reports are provided to the relevant Austroads forums.

Road Engineering Association of Asia and Australasia (REAAA) – Australian Chapter

The Road Engineering Association of Asia and Australasia (REAAA) based in Kuala Lumpur, Malaysia, promotes the science and practice of road engineering and related professions in the Asia Pacific region. REAAA has about 1,000 members in 26 countries and holds regular events including a triennial international conference, technical visits and study tours, trade displays, seminars, forums and workshops.

There are chapters of REAAA established in both Australia and New Zealand. The Austroads national office provides secretariat support to the Australian Chapter of REAAA, which provides opportunities for Australian members to consult with colleagues in other REAAA member countries and from time to time organises technical visits, seminars and information exchange in Australia and Asia.

Regular newsletters are distributed by both REAAA and the Australian Chapter informing members of local and regional activities and major road engineering activities.

CORPORATE



Murray Kidnie
Executive Director

National office

The Austroads national office provides the secretariat for the Austroads Council and overall coordination of Austroads activities. The national office manages the production and distribution of Austroads publications and other outputs. It produces a small range of corporate and general information publications and manages the corporate website for Austroads. It also manages Austroads' international involvement and provides support for the International Committee and the Australian First Delegate to the World Road Association.

The national office is located at level 9, 287 Elizabeth Street, Sydney.

Publications

Development of the Austroads guides continued throughout 2007-08 with a further 15 parts published. Progress was made on the Traffic Management, Pavement Technology, Project Delivery, Road Safety, Asset Management and Road Design Guides. The total number of completed parts of the various guides was 38 as at 30 June 2008. When the nine guides are complete there will be 93 different parts and sub-parts. Other publications produced include 15 research and 13 technical reports.

All Austroads publications are available from the publications website which contains over 500 guides, research and technical reports. Publications are available electronically in PDF or orders for hard copies can be placed online. All technical and research reports are available in PDF for free and member organisations also have free access to all guides in PDF. The website provides users with a search facility and the option to provide feedback about the site and/or content of individual publications.

Overall demand for the free PDF downloads increased in 2007-08 compared to previous years. This was due to an increase in the number of PDFs downloaded by members, particularly local government. See Table 1 for more information.

Table 1 – Average monthly free PDF downloads

	Public	Austroads Members	Local Government	Total
2004-05	1,027	406	319	1,752
2005-06	1,188	477	414	2,079
2006-07	1,316	548	386	2,250
2007-08	870	772	767	2,409

The number of publications downloaded as free PDFs continued to rise in 2007-08 compared to previous years however, hard copy sales were slightly lower than last year and the number of PDF sales was also down. See Table 2 for more information.

Table 2 – Average monthly sales and downloads – all publications

	Free PDF	PDF Sales	Hardcopy Sales
2004-05	1,752	438	285
2005-06	2,079	559	125
2006-07	2,250	482	285
2007-08	2,409	130	236

A full list of the publications produced is provided on page 35.

The publications website has an email notification service, RoadWatch, that delivers alerts to subscribers when new or updated publications are released. The number of subscribers has grown steadily over the past few years to a total of 16,070 at 30 June 2008. In 2007-08, 4,540 new subscribers joined RoadWatch, an increase of 28% in 12 months.

Newsletters

Newsletters were produced and distributed electronically every second month to over 2,500 subscribers. They are also available for download from the Austroads website. The newsletters contain information about Austroads' projects and initiatives, information about forthcoming events relevant to the road transport industry, and a section about the work of the World Road Association. The REAAA Australian Chapter newsletter is also produced twice a year by Austroads.

Corporate website

The Austroads website contains detailed information about Austroads and its activities and provides links to member organisations, observers' organisations and other related organisations. There is also a link to the Australian Bicycle Council (ABC) website. The website is regularly updated and in 2007-08 received about 20,000 visits per month. The ABC website generated about 3,000 visits per month.

National office staff

The Austroads national office operated with six full-time staff in 2007-08. This number includes the Australian Bicycle Council secretariat, Fiona MacColl, who was appointed in August 2007. The secondment of Communications Manager David Armstrong from the RTA NSW was extended for a further 12 months, commencing in May 2008.

PERFORMANCE REVIEW

The Austroads Strategic Plan includes performance measures which relate to member satisfaction and project completions.

Member satisfaction

In 2007-08, as in previous years, surveys were undertaken of Austroads Council members and a cross section of staff from member organisations, mainly task force and review panel members, to establish their level of satisfaction with Austroads' performance on several key aspects of its operation, including:

- collaboration
- research
- publications
- professional development
- value for money
- overall performance.

The surveys also included additional questions relating to the technical research work of ARRB.

The 2007-08 surveys indicated that the overall the level of satisfaction with Austroads' performance continued to be high. There was a notable increase in the satisfaction with value for money.

Project completions

There were 144 projects approved in the 2007-08 work program, including 91 projects continuing from previous financial years and 53 new projects to start in 2007-08. There were 53 projects scheduled for completion by 30 June 2008, with six completed by that date.

During 2007-08 a total of 41 projects were completed. Ten were cancelled or deferred. At 30 June 2008 there were three projects which were overdue by more than 12 months and eight by more than six months.

Table 3 provides a comparison of work program status figures as at 30 June for the last four financial years.

Table 3 – Status of Austroads work program

	Completed	Cancelled or Deferred	More than 12 months late	Between 6 and 12 months late	Other projects	Total
2004-05	49	2	12	7	64	134
2005-06	39	4	2	7	72	124
2006-07	31	4	2	11	78	126
2007-08	41	10	3	8	82	144

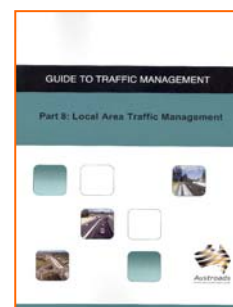
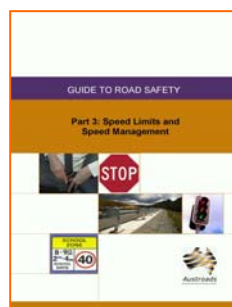
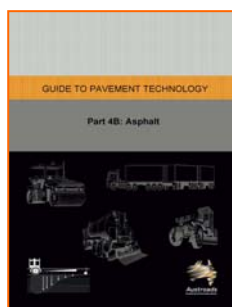
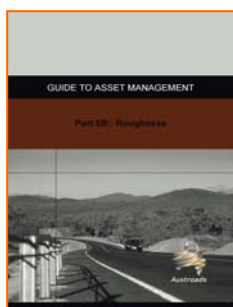
In 2008-09, 93 projects will carry over from 2007-08 and there will be 62 new projects making a total of 155.

PUBLICATIONS

Publications released during the year ended 30 June 2008.

Guides

- Guide to Asset Management Part 5B: Roughness (AGAM05B/07)
- Guide to Asset Management Part 5D: Strength (AGAM05D/08)
- Guide to Pavement Technology Part 4: Pavement Materials (AGPT04/07)
- Guide to Pavement Technology Part 4B: Asphalt (AGPT04B/07)
- Guide to Pavement Technology Part 9: Pavement Work Practices (AGPT09/08)
- Guide to Project Delivery Part 1: Overview (AGPD01/07)
- Guide to Project Delivery Part 2: Project Delivery Planning and Control (AGPD02/07)
- Guide to Road Design Part 7: Geotechnical Investigation and Design (AGRD07/08)
- Guide to Road Safety Part 3: Speed Limits and Speed Management (AGRS03/08)
- Guide to Road Safety Part 9: Roadside Hazard Management (AGRS09/08)
- Guide to Traffic Management Part 1: Introduction to Traffic Management (AGTM01/07)
- Guide to Traffic Management Part 5: Road Management (AGTM05/08)
- Guide to Traffic Management Part 6: Intersections, Interchanges and Crossings (AGTM06/07)
- Guide to Traffic Management Part 8: Local Area Traffic Management (AGTM08/08)
- Guide to Traffic Management Part 11: Parking (AGTM11/08)
- Glossary of Austroads Terms (AP-C87/08).



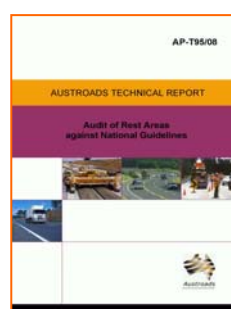
Research reports

- National Performance Indicators for Network Operations (AP-R305/07)
- A Framework for Appraisal and Evaluation of Travel Demand Management Measures (AP-R306/07)
- Analysis of Current Practices for Improving the Level of Service of On-Road Public Transport, HOV and Emergency Vehicles (AP-R307/07)
- Evaluation of Measures and Technologies Used to Improve the Level of Service of On-Road Public Transport, HOV and Emergency Vehicles (AP-R308/07)
- Tools that Impact Network Performance: Integrated Tools (AP-R309/07)

- Tools that Impact Network Performance: Measurement and Evaluation Tools (AP-R310/07)
- Tools that Impact Network Performance: Road Space Allocation Tools (AP-R311/07)
- Tools that Impact Network Performance: Dynamic Traffic Management Tools (AP-R312/07)
- Tools that Impact Network Performance: Summary Report (AP-R313/07)
- Community Attitudes to Road Freight Vehicles (AP-R314/07)
- Strategies for Reducing the Environmental Impacts of Increased Night-time Operations of Road Freight (AP-R315/07)
- Guideline for Freight Routes in Urban and Rural Areas (AP-R316/07)
- Best Practice on Improving Level of Service for Freight Vehicles, On-Road Public Transport, HOV and Emergency Vehicles (AP-R317/08)
- Freeway Traffic Flow Under Congested Conditions: Literature Review (AP-R318/08)
- Analysis of the Safety Benefits of Heavy Vehicle Accreditation Schemes (AP-R319/08).

Technical reports

- Estimating Uncertainty in Measurements Made on Materials (AP-T79/08)
- The Durability of Australian Bitumens: 1956 – 2004 (AP-T86/07)
- Polyphosphoric Acid Modified Binders (AP-T87/07)
- Laboratory Assessment of Wax Modified Asphalt (AP-T88/07)
- Construction and Initial Testing of Brisbane City Council Asphalt Trial (AP-T89/07)
- Temperature Susceptibility of the Ball Penetration Test – Stage 1: Laboratory Assessment (AP-T90/07)
- Warm Asphalt Mix Review (AP-T91/07)
- Proceedings of Austroads National Stone Mastic Asphalt (SMA Workshop) (AP-T92/07)
- Optimum Use of Granular Bases – Construction of Test Pavements (AP-T93/08)
- A Review of Austroads Gyratory Compaction Research (AP-T94/08)
- Audit of Rest Areas Against National Guidelines (AP-T95/08)
- Road Surface Characteristics and Crash Occurrence: A Literature Review (AP-T96/08)
- Development of HDM-4 Road Deterioration (RD) Model Calibrations for Sealed Granular and Asphalt Roads (AP-T97/08).



AUSTROADS AWARDS

The success of Austroads' operations is heavily dependent on the contributions of staff from member organisations and a small number of related organisations. Austroads awards are intended to recognise those people who have made particularly noteworthy contributions.

Outstanding service award

The Austroads outstanding service award is provided to a person who has made an outstanding contribution to Austroads and its activities over a sustained period. In 2007-08 it was awarded to:

- **Philip Rankine (DMR Qld)**

In recognition of his outstanding contribution to Austroads and its activities over a sustained period particularly through his work in supporting the Technology and Environment program, the Network program and the Technology program.

Achievement awards

Achievement awards are provided in the interests of formally recognising the role of staff within Austroads member organisations and a small number of related organisations, when bringing about the successful completion of an Austroads project. In 2007-08 they were awarded to:

- **Stephen Dove (DMR Qld)**

In recognition of his valuable contribution to Austroads, particularly through his effective management of project NS1017 – Improving Incident Management.

- **Brendan Nugent (RTA NSW)**

In recognition of his valuable contribution to Austroads, through his effective management of projects:

- CP 1033 – User Satisfaction Index Survey Review
- CO 1184 – National Skills Marketing Plan
- CO 1222 – Development of National Skills Marketing Plan and Materials.

TASK FORCE AND REVIEW PANEL MEMBERS

(as at 30 June 2008)

Assets

Ken Russell (Chair)	VicRoads (Program Manager, Assets)
Simon Buxton	Department of Infrastructure, Energy and Resources Tasmania
Geoff Clarke	Department for Infrastructure, Transport, Regional Development and Local Government
Matthew Clarke	National Transport Commission
Greg George	Department of Infrastructure, Transport, Regional Development and Local Government
Andrew Golding	Department of Main Roads Queensland
Ian Hickson	Department of Territory and Municipal Services Australian Capital Territory
Mick Lorenz	Department for Transport, Energy and Infrastructure South Australia
Lance Midgley	VicRoads
Chris Parkman	Transit New Zealand
Bob Peters	Main Roads Western Australia
David Pratt	Roads and Traffic Authority New South Wales
Mick Savage	Institute of Public Works Engineering Australia
Bob Sharpe	Roads and Traffic Authority New South Wales
Ernie Wanka	Department of Planning and Infrastructure Northern Territory

Bridge technology

David Hubner (Chair)	Department of Main Roads Queensland (Program Manager, Technology)
Wije Ariyaratne	Roads and Traffic Authority New South Wales
Geoff Bouilly	VicRoads
Chris Egger	National Transport Commission
John Fenwick	Department of Main Roads Queensland
Eddy Go	Standards Australia
Ian Hickson	Department of Territory and Municipal Services Australian Capital Territory
Rudolph Kotze	Transit New Zealand
Louise McCormick	Department of Planning and Infrastructure Northern Territory
Graeme Roberts	Department of Infrastructure, Energy and Resources Tasmania
Jock Scanlon	Main Roads Western Australia
Peter Wilson	Department for Transport, Energy and Infrastructure South Australia

Capability

Peter Mitchem (Chair)	VicRoads (Program Manager, Capability)
Geoff Balmain	Transit New Zealand
Phil Cantillon	Department of Infrastructure, Energy and Resources Tasmania
Martin Fletcher	Transit New Zealand
Lou George	Department for Transport, Energy and Infrastructure South Australia
Tony Gill	Department of Territory and Municipal Services Australian Capital Territory
Kate McTaggart	Department of Planning and Infrastructure Northern Territory
Ross Moody	Institute of Public Works Engineering Australia
Brendan Nugent	Roads and Traffic Authority New South Wales
Jon Oxford	Department of Main Roads Queensland
Judith Pettitt	VicRoads
Richard Phillips	Engineers Australia
Mike Shackleton	ARRB Group
Viki Smith	Department of Planning and Infrastructure Northern Territory
Michael Stanley	Roads and Traffic Authority New South Wales
John Taya	Main Roads Western Australia

Freight

Philip Halton (Chair)	Roads and Traffic Authority New South Wales (Program Manager, Freight)
John Bessell	Department of Infrastructure, Energy and Resources Tasmania
Kerri Bradford	Department of Infrastructure, Transport, Regional Development and Local Government
Angus Draheim	Queensland Transport
Don Hogben	VicRoads
Barbara Littler	Department of Planning and Infrastructure Northern Territory
Mark Mitchell	Department of Main Roads Queensland
Doug Morgan	Main Roads Western Australia
Meena Naidu	National Transport Commission
Lindsay Oxlad	Department for Transport, Energy and Infrastructure South Australia
Rod Paule	Department of Territory and Municipal Services Australian Capital Territory
Lynn Sleath	Transit New Zealand

Network

John Erceg (Chair)	Main Roads Western Australia (Program Manager, Network)
Michael Blyleven	Transit New Zealand
Simon Buxton	Department of Infrastructure, Energy and Resources Tasmania
Marcus Coleman	National Transport Commission
Jeff Goode	Department for Transport, Energy and Infrastructure South Australia
Ken Grattan	Department of Planning and Infrastructure Northern Territory
Stewart Jones	Department of Infrastructure, Transport, Regional Development and Local Government
Phil Margison	Roads and Traffic Authority New South Wales
Rifaat Shoukrallah	Department of Territory and Municipal Services Australian Capital Territory
Ted Vincent	VicRoads
Dennis Walsh	Department of Main Roads Queensland

Pavement technology

David Hubner (Chair)	Department of Main Roads Queensland (Program Manager, Technology)
David Alabaster	Transit New Zealand
Chris Egger	National Transport Commission
David Harris	Main Roads Western Australia
Allan Jones	Department of Main Roads Queensland
John Lambert	Australian Asphalt Pavement Association
Chris Mathias	Department for Transport, Energy and Infrastructure South Australia
William Moodie	Department of Planning and Infrastructure Northern Territory
Andrew Papacostas	VicRoads
Bryan Pidwerbesky	Roading New Zealand
Ken Porter	Roads and Traffic Authority New South Wales
Warren Sharpe	Australian Local Government Association (Eurobodalla Shire Council)
Con Tsemtsidis	Cement Concrete and Aggregates Australia
George Vorobieff	Australian Stabilisation Industry Association
Barry Walker	Department of Infrastructure, Energy and Resources Tasmania

Project delivery

David Hubner (Chair)	Department of Main Roads Queensland (Program Manager, Technology)
Phil Cantillon	Department of Infrastructure, Energy and Resources Tasmania
Bruce Douglas	Australian Local Government Association (Mornington Peninsula Shire Council)
Bruce Gidley	VicRoads
Gabriel Joseph	Department of Territory and Municipal Services Australian Capital Territory
Peter Letts	Roads and Traffic Authority New South Wales
Colin MacKay	Transit New Zealand
Brian Noble	Main Roads Western Australia
Robert Pemble	Department of Planning and Infrastructure Northern Territory
Tim Warren	Department for Transport, Energy and Infrastructure South Australia
Dennis Wogan	Department of Main Roads Queensland

Registration and licensing

David Stuart-Watt (Chair)	Roads and Traffic Authority New South Wales (Program Manager, Registration and Licensing)
Greg Deimos	National Transport Commission
Richard Fowler	Department of Infrastructure, Energy and Resources Tasmania
Geoff Hughes	National Motor Vehicle Theft Reduction Council
Ann King	Roads and Traffic Authority New South Wales
Margo Leffers	Department of Infrastructure, Transport, Regional Development and Local Government
Trevor Maughan	Department of Planning and Infrastructure Western Australia
Chris McNally	VicRoads
John Neville	Department for Transport, Energy and Infrastructure South Australia
Kevin O'Kane	Land Transport Safety Authority New Zealand
Judy Oswin	Queensland Transport
Nicholas Papandonakis	Department of Planning and Infrastructure Northern Territory
Rod Paule	Department of Territory and Municipal Services Australian Capital Territory
David Shelton	VicRoads
Vincent Wong	Austroads

Road design

David Hubner (Chair)	Department of Main Roads Queensland (Program Manager, Technology)
Owen Arndt	Department of Main Roads Queensland
Peter Aumann	Australian Local Government Association (Monash City Council)
Anthony Barton	VicRoads (Australian Bicycle Council)
David Barton	VicRoads
Tom Brock	The Association of Consulting Engineers Australia (GH&D)
Rob Grove	Main Roads Western Australia
James Hughes	Transit New Zealand
Pat Kenny	Roads and Traffic Authority New South Wales
Ken Marshall	Department of Territory and Municipal Services Australian Capital Territory
Graeme Nichols	Department of Infrastructure, Energy and Resources Tasmania
Noel O'Callaghan	Department for Transport, Energy and Infrastructure South Australia
Peter Toll	Department of Planning and Infrastructure Northern Territory

Safety

Phil Allan (Chair)	Department for Transport, Energy and Infrastructure South Australia (Program Manager, Safety)
Colin Brodie	Transit New Zealand
Iain Cameron	Premier and Cabinet (Western Australia)
Angela Conway	Department of Infrastructure, Energy and Resources Tasmania
Jon Douglas	Department of Main Roads Queensland
Nial Finegan	VicRoads
Soames Job	Roads and Traffic Authority New South Wales
Jenny Malone	Department of Planning and Infrastructure Northern Territory
Joe Motha	Department of Infrastructure, Transport, Regional Development and Local Government
Jeff Potter	National Transport Commission
David Quinlan	Department of Territory and Municipal Services Australian Capital Territory
Paul Riley	Institute of Municipal Engineers Australia, New South Wales Division
Martin Small	Department for Transport, Energy and Infrastructure South Australia
Mike Stapleton	Queensland Transport

Traffic management

John Erceg (Chair)	Main Roads Western Australia (Program Manager, Network)
Anthony Barton	VicRoads
Simon Buxton	Department of Infrastructure, Energy and Resources Tasmania
Steve Clark	Department for Transport, Energy and Infrastructure South Australia
Griff Davis	City of Whittlesea, Victoria
Jon Douglas	Department of Main Roads Queensland
Jason Firmstone	Australasian Railway Association
David Freeman	Standards Australia
Bob Gibson	Land Transport New Zealand
Geoff Horni	Department of Planning and Infrastructure Northern Territory
David Johnson	Department of Infrastructure, Energy and Resources Tasmania
Dave Landmark	Main Roads Western Australia
Phil Margison	Roads and Traffic Authority New South Wales
David Nash	VicRoads
Rifaat Shoukrallah	Department of Territory and Municipal Services Australian Capital Territory
Greg Smith	Australian Automobile Association

Transport planning and project evaluation

David Hubner (Chair)	Department of Main Roads Queensland (Program Manager, Technology)
John Brewer	Roads and Traffic Authority New South Wales
Geoff Clarke	Department of Infrastructure, Transport, Regional Development and Local Government
Dave Gennard	Transit New Zealand
Ken Grattan	Department of Planning and Infrastructure Northern Territory
Mark Harvey	Bureau of Infrastructure, Transport and Regional Economics
Peter Hookham	Transit New Zealand
Kuga Kugathas	Department of Territory and Municipal Services Australian Capital Territory
Ed McGeehan	VicRoads
Allan Richmond	Department of Main Roads Queensland
Wesley Soet	Main Roads Western Australia
Peter Tisato	Department for Transport, Energy and Infrastructure South Australia
Andy Van Emmerik	Department of Infrastructure, Energy and Resources Tasmania

WORLD ROAD ASSOCIATION (PIARC) TECHNICAL COMMITTEE REPRESENTATIVES

Committee	Representative(s)	Organisation
A.1 – Preserving the Environment	Lisa Rossiter (<i>English Secretary</i>)	Transit New Zealand
	Adam Maguire*	VicRoads
	Kathryn Mahoney*	Queensland Transport
A.2 – Financing Managing and Contracting of Road System Investment	Brian Noble	Main Roads Western Australia
	Vincent Scarcella*	Department of Main Roads Queensland
A.3 – Road System Economics and Social Development	Ernest Albuquerque	Transit New Zealand
	Neil McGladrigan*	Department of Main Roads Queensland
A.4 – Rural Road Systems and Accessibility to Rural Areas		
B.1 – Good Governance of Road Administrations	Brendan Nugent (<i>English Secretary</i>)	Roads and Traffic Authority New South Wales
	Tom Baskerville*	Department of Main Roads Queensland
	Flori Mihai*	Main Roads Western Australia
B.2 – Road Network Operations	Phil Lawes	Department for Transport, Energy and Infrastructure South Australia
	Andrew Wall*	VicRoads
	Kelvin Marrett*	Department of Main Roads Queensland
	Deryk White*	Transit New Zealand
B.3 – Improved Mobility in Urban Areas	Anita Curnow (<i>English Secretary</i>)	VicRoads
	Shane Doran*	Queensland Transport
	Lyndon Hammond*	Transit New Zealand
B.4 – Freight Transport and Inter Modality	Don Hogben	VicRoads
	Trudi Meakin*	Department for Transport, Energy and Infrastructure South Australia
	Mark Mitchell*	Department of Main Roads Queensland
	Rick Barber*	Transit New Zealand
B.5 – Winter Service	Peter Connors*	Transit New Zealand
C.1 – Safer Road Infrastructure	Jon Douglas (<i>English Secretary</i>)	Department of Main Roads Queensland
	Brendan Marsh*	Main Roads Western Australia

Committee	Representative(s)	Organisation
C.2 – Safer Road Operations	George Mavroyeni	VicRoads
	Martin Small*	Department for Transport, Energy and Infrastructure South Australia
	Bob Gibson*	Transit New Zealand
C.3 – Managing Operation Risk in National and International Road Operations	Roly Frost (<i>English Secretary</i>)	Transit New Zealand
	Maurice Cammack	Main Roads Western Australia
	Geoff McDonald*	Queensland Transport
C.4 – Road Tunnel Operations	Arnold Dix	Consultant
	Jason Venz*	Department of Main Roads Queensland
	Rudolph Kotze*	Transit New Zealand
D.1 – Management of Road Infrastructure Assets	Mick Lorenz (<i>English Secretary</i>)	Department for Transport, Energy and Infrastructure South Australia
	Chris Parkman	Transit New Zealand
	Adrian Tofful*	VicRoads
D.2 – Road Pavements	Peter Bryant	Department of Main Roads Queensland
<i>D.2a – Road Surface Characteristics sub-committee</i>	Peter Bryant (<i>English Secretary</i>)	Department of Main Roads Queensland
<i>D.2b – Flexible and Semi Rigid Pavements sub-committee</i>		
<i>D.2c – Concrete Pavements sub-committee</i>		
D.3 – Road Bridges	Erica Smith	Main Roads Western Australia
	Peter Graham*	Department of Main Roads Queensland
D.4 – Geotechnics and Unpaved Roads	Vasantha Wijeyakukasuriya*	Department of Main Roads Queensland

* Corresponding Member

ABBREVIATIONS

AAMVA	American Association of Motor Vehicle Administrators
AASB	Australian Accounting Standards Board
AASHTO	American Association of State Highway and Transportation Officials
ANPR	Automated Number Plate Recognition
AS	Australian Standard
ABC	Australian Bicycle Council
AEC	Australian Electoral Commission
AITPM	Australian Institute of Traffic Planning and Management
ALF	Accelerated Loading Facility
ARF	Australian Road Forum
ARRB	ARRB Group
ATC	Australian Transport Council
CAF	Council of Australian Federation
CBD	Central Business District
COAG	Council of Australian Governments
CPI	Consumer Price Index
CPEE	Centre for Pavement Engineering Education
CRC	Cycling Resource Centre
DMR Qld	Department of Main Roads Queensland
DITRDLG	Department of Infrastructure, Transport, Regional Development and Local Government
DPX	Demerit Point Exchange
DSRC	Dedicated Short Range Communications
DTEI SA	Department for Transport, Energy and Infrastructure South Australia
DVS	Document Verification Service
ECMT	European Council of Ministers of Transport
ESA	Equivalent Standard Axles
FE	Finite Element
GST	Goods and Services Tax
GTEP	Guide to Traffic Engineering Practice
HDM-4	Highway Development and Management System
IAP	Intelligent Access Program
ITS	Intelligent Transport Systems
JTRC	Joint Transport Research Centre
LATM	Local Area Traffic Management
LPG	Liquefied Petroleum Gas
LTPP	Long Term Pavement Performance
LTPPM	Long Term Pavement Performance Maintenance
MoT NZ	Ministry of Transport New Zealand
MR WA	Main Roads Western Australia

NAASRA	National Association of Australian State Road Authorities
NCS	Australian National Cycling Strategy 2005-2010
NEVDIS	National Exchange of Vehicle and Driver Information System
NSW	New South Wales
NTC	National Transport Commission
NZ	New Zealand
NZTA	New Zealand Transport Agency
OECD	Organisation for Economic Cooperation and Development
PAYGO	Pay As You Go
PBS	Performance Based Standards
PMB	Polymer Modified Binders
PDF	Portable Document Format
PIARC	World Road Association
PPSR	Personal Property Security Register
R&L	Registration and Licensing
REAAA	Road Engineering Association of Asia and Australasia
RLT	Repeated Load Triaxial
RTA NSW	Roads and Traffic Authority New South Wales
RUE	Road User Effects
SA	South Australia
SCOT	Standing Committee on Transport
SHRP	Strategic Highway Research Program
SLIP	Smartcard Licence Interoperability Protocol
SMA	Stone Mastic Asphalt
SSA	Search Software America
TAC	Transportation Association of Canada
TAMS ACT	Department of Territory and Municipal Services Australian Capital Territory
Transit NZ	Transit New Zealand
TRB	Transportation Research Board
USA	United States of America
VIC	Victoria
VicRoads	Roads Corporation Victoria
VIN	Vehicle Identification Number
VIRS	Vehicle Information Request System
VMS	Variable Message Sign
WA	Western Australia
WIM	Weigh-in-Motion

FINANCIAL INFORMATION

Income statement for the year ended 30 June 2008

		2008		2007	
		\$	\$	\$	\$
INCOME					
Contributions					
	Membership		850,000		821,100
	Work Program		7,448,400		6,650,200
Special programs and projects					
	DITRDLG (NS1207) Funding	-		40,000	
	DITRDLG – Australian Bicycle Council Secretariat (note 4)	115,000		39,406	
	DITRDLG – ABC web based resource centre (Note 4)	-		50,000	
	NTC (Note 5)	222,900		78,500	
	User Satisfaction Index 2006-07	-		177,063	
	RTA Contribution towards FS1412	160,000		-	
			497,900		384,969
Publications					
	Gross Sales Revenue	173,124		167,236	
	Royalties	10,671		5,953	
			183,795		173,189
Interest received					
	Short Term Investments	201,480		172,932	
	Rental Bond	2,249		2,045	
			203,729		174,977
Other income					
	Austroads Bridge Conference	-		38,093	
	Sundry	-		323	
			-		38,416
TOTAL INCOME			9,183,824		8,242,851

The accompanying notes form part of these financial statements

Income statement for the year ended 30 June 2008 (continued)

	2008		2007	
	\$	\$	\$	\$
EXPENDITURE				
Corporate				
Salaries and Related Charges	536,179		479,644	
Other National Office Expenses (Note 2)	230,606		225,593	
Projects	151,149		394,562	
Corporate Services	168,356		200,717	
Depreciation (Note 1b)	11,230		16,988	
Program Management	660,244		629,508	
		1,757,764		1,947,012
Work program				
Assets	1,264,615		128,9591	
Freight	431,998		371,484	
Network	962,721		822,012	
Registration and Licensing	154,921		16,148	
Safety	1,294,840		1,319,113	
Technology	3,076,407		2,532,014	
Capability	5,140		141,312	
NTC Support (Note 5)	-		87,154	
DITRDLG – Australian Bicycle Council Secretariat (Note 4)	115,022		39,406	
DITRDLG – ABC Web based resource centre (Note 4)	36,512		13,490	
		7,342,176		6,631,724
Publications				
Cost of Sales	3,959		1,727	
Production and Distribution	42,000		40,000	
SAIG Free Download facility	53,600		-	
Promotion and marketing	7,877		-	
		107,436		41,727
TOTAL EXPENDITURE		9,207,376		8,620,463
Net (deficit)/surplus for the year		(23,552)		(377,612)

The accompanying notes form part of these financial statements

Balance sheet as at 30 June 2008

	2008		2007	
	\$	\$	\$	\$
ASSETS				
Current assets				
Cash	3,528,531		2,691,676	
Investments (Note 1d)	2,672,993		2,519,111	
Receivables (Note 3)	1,173,243		702,931	
Prepayments	26,723		23,987	
Other Debtors	36,550		35,781	
		7,438,040		5,973,486
Non-current assets				
Office Furniture and Equipment at Cost	128,677		167,653	
Less: Provision for Depreciation	(108,504)		(153,806)	
	20,173		13,847	
Motor Vehicles at Cost	23,262		21,410	
Less: Provision for Depreciation	(4,015)		(6,393)	
	19,247		15,017	
Sundry Debtor	39,368		37,120	
		78,788		65,984
Total assets		7,516,828		6,039,470
LIABILITIES				
Current liabilities				
Accounts Payable	1,586,299		2,910,191	
Contributions received in advance	2,090,700		401,000	
Subscriptions invoiced in advance (NEVDIS II)	157,514		151,619	
Unacquited funds (NEVDIS II) (Note 6)	1,910,206		810,348	
Provision for Annual Leave	71,946		56,380	
Provision for Long Service Leave (Note 1c)	48,943		41,720	
		5,865,608		4,371,258
Non-current liabilities				
Provision for Long Service Leave		14,759		8,199
Total liabilities		5,880,367		4,379,457
NET ASSETS		1,636,461		1,660,013
Represented by:				
MEMBERS' FUNDS				
Net (Deficit) / Surplus		(23,552)		(377,612)
Cumulative Surplus Brought Forward		1,660,013		2,037,625
Members' funds		1,636,461		1,660,013

The accompanying notes form part of these financial statements

Statement of cash flows for the year ended 30 June 2008

	2008 \$	Inflows (Outflows)	2007 \$
Cash flows from operating activities			
Receipts			
Member Contributions	11,006,467		8,723,689
Publication Sales	183,795		173,189
Interest Received	203,729		174,977
External Project Funding	1,497,900		384,969
Other Receipts	-		38,416
Net GST Receipt	(195,069)		25,966
Total receipts	<u>12,696,822</u>		<u>9,521,206</u>
Payments			
Salaries and Related Costs	(506,830)		(467,146)
National Office including Corporate	(555,864)		(894,271)
Publications	(107,436)		(41,727)
Programs	(10,514,169)		(6,777,871)
Other Expenses	(3,297)		-
Total payments	<u>(11,687,596)</u>		<u>(8,181,015)</u>
Net cash (used in)/provided by Operating activities (Note 8)	<u>1,009,226</u>		<u>1,340,191</u>
Cash flows from investing activities			
Proceeds from Sales of Fixed Assets	17,727		-
Payment for Purchases of Fixed Assets	(36,216)		(6,921)
Net cash used in investing activities	<u>(18,489)</u>		<u>(6,921)</u>
Net (decrease)/increase in cash held	<u>990,737</u>		<u>1,333,270</u>
Cash at the beginning of the year	5,210,787		3,877,517
Cash at the end of the year (Note 7)	<u>6,201,524</u>		<u>5,210,787</u>

The accompanying notes form part of these financial statements

Notes to and forming part of the accounts for the year ending 30 June 2008

1. STATEMENT OF SIGNIFICANT ACCOUNTING POLICIES

This financial report is a special purpose financial report prepared in order to satisfy the financial reporting requirements of the Associations Incorporation Act [NSW]. The Executive Committee has determined that the association is not a reporting entity.

The financial report has been prepared in accordance with the requirements of the Associations Incorporation Act [NSW] and the following Australian Accounting Standards:

AASB 1031 Materiality
AASB 110 Events After the Balance Sheet Date

No other applicable Accounting Standards, Australian Accounting Interpretations or other authoritative pronouncements of the Australian Accounting Standards Board have been applied.

The financial report has been prepared on an accruals basis and is based on historical costs and does not take into account changing money values or, except where specifically stated, current valuations of non-current assets.

The following material accounting policies, which are consistent with the previous period unless otherwise stated, have been adopted in the preparation of this report:

a) Publications

Austrorads has ceased retaining levels of publications for sale and all publication sales are now made through SAI Global.

SAI Global now produces all Austrorads publications and Austrorads receives the proceeds of these sales less a commission each month.

SAI Global also receives a monthly fee for maintaining the Austrorads Publications Website and for providing the Free Download Facility.

b) Depreciation

Furniture and equipment and motor vehicles are depreciated on a reducing balance basis over their useful lives.

c) Provision for employee entitlements

Provisions for long service leave and annual leave are made for all employees from the date of their commencement and are calculated at current pay rates. Additionally, provision is made for OnCosts on Long Service at 13%. Provision for long service leave for service under six years is treated as non current.

d) Investments

Investments reflected on the balance sheet represent funds held with the National Australia Bank on short term deposits. These funds are placed for varying periods up to 12 months, but may be withdrawn at short notice.

e) NEVDIS II

Austrorads on behalf of Australian jurisdictional driver licensing and vehicle registration authorities has contracted with Fujitsu Australia Limited to operate and maintain the National Exchange Vehicle Driver Information System (NEVDIS) for the period ending 25 August 2008.

Following negotiations, Austrorads has taken up the option to extend this contract for a further period of four years to 25 August 2012. After 25 August 2008, the Annual Fee will be \$1,520,000 per annum.

Funding of NEVDIS implementation is recognised as income to the extent of expenditure incurred to balance date (refer Note. 6). Funding in excess of expenditure was carried forward to the subsequent year as unacquitted funds in the balance sheet.

f) Income tax

The Association has been exempted from income tax under Section 50-5 of the Income Tax Assessment Act 1997.

Notes to and forming part of the accounts for the year ending 30 June 2008 (continued)

g) Revenue

Contributions revenue is recognised when the Association is expecting to comply with the terms and conditions of the contributions.

Membership revenue is recognised over the period to which it relates

Interest Revenue is recognised on a proportional basis, taking into account the interest rates applicable to the financial assets.

	2008 \$	2007 \$
2) OTHER NATIONAL OFFICE EXPENSES		
Other National Office Expenses includes the following:		
– Remuneration of Auditor for Audit Services	12,000	10,500
– Remuneration of Auditor for Prior year	1,010	1,500
	<u>13,010</u>	<u>12,000</u>
– Rental expense on operating lease	83,983	82,597
 3) RECEIVABLES		
Trade Debtors	20,549	142,862
RTA in advance for Digital Tachograph Pilot Project	1,100,000	-
NEVDIS Subscriptions Receivables	52,694	560,069
	<u>1,173,243</u>	<u>702,931</u>
 4) DITRDLG – COMMONWEALTH FUNDING RECEIVED IN RESPECT OF THE ABC		
Specific Funding received for ABC Secretariat	115,000	100,000
Less Expenditure Acquitted to Balance date	(115,022)	(39,406)
Taken up by Austroads	22	-
Refundable to DITRDLG	<u>-</u>	<u>60,594</u>
 Specific Funding received for ABC Web Based Resource Centre		50,000
Unacquited funds brought forward	36,510	
Less Expenditure Acquitted to Balance date	(36,512)	(13,490)
Taken up by Austroads	2	-
Unacquited Funds carried over to next year	<u>-</u>	<u>36,510</u>
 5) NTC FUNDING FOR SPECIFIC JOINTLY FUNDED PROJECTS		
Funding received	222,900	78,500
Less Expenditure incurred on jointly funded projects within Austroads Programs	(361,377)	(87,154)
Project Funding by Austroads	<u>138,477</u>	<u>(8,654)</u>

Notes to and forming part of the accounts for the year ending 30 June 2008 (continued)

6) NEVDIS II

Income

Members' contributions	4,028,899	3,298,457
Recalls	102,120	106,000
AEC Project Income	151,227	277,083
National Motor Vehicle Theft Reduction Council	-	400,000
Data Extracts	32,142	-
Transport SA extract charges	6,597	6,303
Interest Received	99,985	60,276
Total Income	4,420,970	4,148,119

Expenditure

Fujitsu Subscriptions	2,022,959	1,927,636
Fujitsu DPX	32,903	31,328
Fujitsu Miscellaneous Upgrades	106,741	490,000
Fujitsu Recalls	7679	7,582
RTA NEVDIS Administration Unit	321,436	373,661
RTA NEVDIS Salary	422,216	607,600
Access to Registration Data	92,735	224,364
AEC Project	51,667	167,148
Enhancements	10,407	66,407
Transport SA extract charges	6,623	6,303
DVS Project	-	(5,848)
VIRS Development	146,242	-
NEVDIS Strategic Review	22,700	-
Data Extracts	32,142	-
Ausindustry Vehicle LPG Checking	8,300	-
Sundry – Migration to UAT	36,166	-
Bank Charges	195	225
Total expenditure	3,321,111	3,896,406

Net Surplus for the year	1,099,859	251,713
Amount Unexpended in prior year	810,348	558,635
Amount Unexpended transferred to Liabilities (Note 1e)	(1,910,207)	(810,348)
Net Surplus	-	-

Notes to and forming part of the accounts for the year ending 30 June 2008 (continued)

7) RECONCILIATION OF CASH

For the purposes of the Statement of Cash Flows, the Association considers cash to include cash on hand and at banks and short term investments. Cash at the end of the reporting period as shown in the Statement of Cash Flows is reconciled to the related items in the Balance Sheet as follows:

Cash	3,528,531	2,691,676
Investments	2,672,993	2,519,111
	6,201,524	5,210,787

8) RECONCILIATION OF NET CASH USED IN OPERATING ACTIVITIES TO OPERATING RESULTS

Operating Result	(23,552)	(377,612)
Depreciation	11,230	16,988
Net gain on disposal of plant and equipment	(3,297)	-
Decrease/(Increase) in trade debtors	(470,312)	(519,686)
Decrease/(Increase) in prepayments and other debtors	(5,753)	(17,083)
Increase/(Decrease) in Liabilities	1,500,910	2,237,584
Net cash from operating activities	1,009,226	1,340,191

Statement by members of the Executive Committee

The Executive Committee has determined that Austroads Incorporated is not a reporting entity and that this special purpose financial report should be prepared in accordance with the accounting policies outlined in Note 1 to the financial statements.

In the opinion of the Executive Committee, the attached financial report as set out on pages 48 to 55, present fairly the financial position of Austroads Incorporated as at 30 June 2008 and its performance for the year ended on that date.

At the date of this statement, there are reasonable grounds to believe that Austroads Incorporated will be able to pay its debts as and when they fall due.

This statement is made in accordance with a resolution of the Executive Committee and is signed for and on behalf of the Committee by:



Murray Kidnie
Executive Director



Alan Tesch
Chairman

Dated in Sydney this 1st day of October 2008.

Independent audit report to the members of Austroads Incorporated

Report on the Financial Report

We have audited the accompanying financial report, being a special purpose financial report, of Austroads Incorporated. (the association), which comprises the balance sheet as at 30 June 2008, and the income statement, statement of cashflows, a summary of significant accounting policies, other explanatory notes and the statement by members of the committee.

Executive Committee's Responsibility for the Financial Report

The Executive Committee of the association is responsible for the preparation and fair presentation of the financial report and have determined that the accounting policies described in Note 1 to the financial statements, which form part of the financial report, are consistent with the financial reporting requirements of the Associations Incorporation Act [NSW] and are appropriate to meet the needs of the members. The Executive Committee's responsibilities also include establishing and maintaining internal control relevant to the preparation and fair presentation of the financial report that is free from material misstatement, whether due to fraud or error; selecting and applying appropriate accounting policies; and making accounting estimates that are reasonable in the circumstances.

Auditor's Responsibility

Our responsibility is to express an opinion on the financial report based on our audit. No opinion is expressed as to whether the accounting policies used, as described in Note 1, are appropriate to meet the needs of the members. We conducted our audit in accordance with Australian Auditing Standards. These Auditing Standards require that we comply with relevant ethical requirements relating to audit engagements and plan and perform the audit to obtain reasonable assurance whether the financial report is free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial report. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial report, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial report in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by the committee, as well as evaluating the overall presentation of the financial report.

The financial report has been prepared for distribution to members for the purpose of fulfilling the committee's financial reporting under the Associations Incorporation Act [NSW]. We disclaim any assumption of responsibility for any reliance on this report or on the financial report to which it relates to any person other than the members, or for any purpose other than that for which it was prepared.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Independence

In conducting our audit, we have complied with the independence requirements of Australian professional ethical pronouncements.

Auditor's Opinion

In our opinion, the financial report of Austroads Incorporated presents fairly, in all material respects the financial position of Austroads Incorporated as of 30 June 2008 and of its financial performance for the year then ended in accordance with the accounting policies described in Note 1 to the financial statements.



MOORE STEPHENS SYDNEY
Chartered Accountants



S. Tzannes
Partner

Address: Level 7, 20 Hunter Street, Sydney NSW 2001

Dated in Sydney this 1st day of October 2008.