

*Austroads*

# annual report 2005-06



*Austroads*  
promoting improved road transport outcomes



## **Austroads Annual Report 2005-06**

© Austroads Inc. 2006

This work is copyright. Apart from any use as permitted under the Copyright Act 1968, no part may be reproduced by any process without the prior written permission of Austroads.

Austroads Annual Report 2005-06  
ISSN 1037 406X

Austroads Publication No. AP-C20/06

Published by Austroads Incorporated  
Level 9, Robell House  
287 Elizabeth Street  
Sydney NSW 2000 Australia  
Tel: +61 2 9264 7088  
Fax: +61 2 9264 1657  
[austroads@austroads.com.au](mailto:austroads@austroads.com.au)  
[www.austroads.com.au](http://www.austroads.com.au)

Designed and typeset by Judi Sorbie.

## Austroads

Austroads is the association of Australian and New Zealand road transport and traffic authorities whose purpose is to contribute to the achievement of improved Australian and New Zealand road transport outcomes by:

- undertaking nationally strategic research on behalf of Australasian road agencies and communicating outcomes
- promoting improved practice by Australasian road agencies
- facilitating collaboration between road agencies to avoid duplication
- promoting harmonisation, consistency and uniformity in road and related operations
- providing expert advice to the Australian Transport Council and the Standing Committee on Transport.

## Austroads membership

Austroads membership comprises the six state and two territory road transport and traffic authorities and the Australian Department of Transport and Regional Services, the Australian Local Government Association and Transit New Zealand. It 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
- Australian Department of Transport and Regional Services
- Australian Local Government Association
- Transit New Zealand.

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.

# CONTENTS

Chairman's Message .....	1
Highlights from 2005-06 .....	2
Structure and Programs .....	4
Assets .....	7
Capability .....	9
Freight .....	11
Network .....	13
Registration and Licensing .....	15
Safety .....	17
Technology .....	19
Technical Research .....	22
International .....	24
Corporate .....	26
Performance Review .....	28
Publications .....	29
Austroads Awards .....	31
Task forces and review panels .....	33
Abbreviations .....	38
Financial Information .....	39

## CHAIRMAN'S MESSAGE



I took over from Paul Forward as Chairman of Austroads in November 2005. Paul had seen us through the implementation of a new strategic plan and been instrumental in moving Austroads to its current position. Paul was a member of Austroads Council for over six years and Chairman for two. In that time he had made a significant contribution to Austroads. It has been greatly appreciated.

2005-06 was the middle year of our current three year strategic plan. We undertook a mid-term review of our priorities at the end of 2005 and confirmed the priorities in the plan. We also added capability as an additional strategic priority. The need to attract and retain skills in the road industry is a major concern to road authorities and many innovative approaches are being used by member organisations to address it. A Capability task force has been established to facilitate the collaboration by member organisations and to oversight a small number of collective initiatives in this area.

The last twelve months also saw the Austroads publications website reach maturity. We have promoted the website as the source of Austroads outputs. It has received very positive responses both from the staff of member organisations and the wider audience for Austroads' publications. The website includes a facility known as RoadWatch which enables subscribers to be advised automatically of new or revised publications by category. There are now more than 7,000 subscribers. This facility is a great way to make a large audience aware of our work.

The development of the new series of Austroads guides has continued. It is planned that there will be nine guides consisting of various parts, totalling 86 publications. At the end of 2005-06, 17 had been completed. Unfortunately, progress has been slower than we had hoped for, but we are confident that the rate of completion will improve from here on. There has also been an agreement that member organisations will adopt the new guides rather than produce their own. This has increased the importance of obtaining jurisdictions' support for the new guides. It will produce a higher level of national harmonisation and reduce duplication of effort. This is fundamentally what Austroads is about.

The work of Austroads is undertaken very largely through its program structure, with senior managers from member organisations taking responsibility for a program of Austroads work in addition to their regular work with their organisation. This is a significant effort and we are grateful for their contributions. Their achievements are outlined in their respective program sections in this annual report. We are also appreciative of the contributions made by program support staff and the participants in the various task forces and review panels. We are dependent on their commitment and support to operate successfully.

Austroads has continued to support the development and maintenance of technical research capacity through the commissioning of a program of technical research with the ARRB Group. The Austroads Council receives regular reports on the achievements of this work. ARRB will be initiating a series of seminars in 2006-07 to promote the benefits of this work to road authorities.

We have signed off on a program of work for 2006-07 which will see the completion of the actions proposed in the current strategic plan. We have also incorporated a number of projects addressing aspects of road transport reform which emerged from decisions of the Council of Australian Governments. High priority will be given to this work in the coming twelve months.

Chairman  
Menno Henneveld  
Commissioner, Main Roads WA

## HIGHLIGHTS FROM 2005-06

### Capability

In recognition of the growing concern amongst road authorities of the shortages of skilled staff, Austroads established a Capability program and associated task force to assist member organisations address the issue. Projects were initiated to develop a labour market model for the road industry, marketing careers in road authorities, professional development opportunities for existing staff and to develop ways to share information on successful initiatives amongst member organisations.

### Publications website

Austroads publications website continues to prove to be effective and successful in promoting Austroads publications. Statistics show the number of free PDF downloads of research and technical reports has continued to increase. There were over 14,000 in 2005-06. In addition there were over 10,000 free PDF downloads of research and technical reports and guides by Austroads members and local government.

As part of the advanced features of the website, RoadWatch provides a free email based notification service on the latest publications to subscribers. There are now over 7,000.

### Technical research

2005-06 was the second year of the Austroads / ARRB technical research agreement which provides for an ongoing research program in the four key areas of:

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

These arrangements with ARRB were established 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.

### Projects completed

There were a total of 124 projects in the 2005-06 work program. A number of these are scheduled to run over three years. Thirty nine projects were completed during 2005-06.

### Work program expenditure

Total expenditure for the 2005-06 work program was \$6.86 million. The table below provides a breakdown of the expenditure:

Type	Amount \$'000s
Technical research	3,478*
Strategic	1,400
Development of publications	1,092
Other Projects (Corporate, SCOT, ATC, COAG)	213
Program management	681
<b>TOTAL</b>	<b>6,864</b>

\* A total of \$3.8m was provided to ARRB through the technical research arrangements, but in this table some expenditure is allocated to other types where appropriate.

## Guides

Nine parts of various guides were produced during the year, as well as a new, 2005 version of the resource publication RoadFacts and an updated version of the widely used Austroads Design Vehicles and Turning Path Templates.

## Review of rules

A review has been undertaken of Austroads rules and some minor amendments adopted at a Special General Meeting held in conjunction with the June 2006 Council meeting. The amendments were to bring the rules up to date and pick up new provisions now included in the model rules.

## International activities

### Transportation Association of Canada (TAC) study exchange

In November 2005 Austroads arranged a study exchange visit to Australia for TAC representatives. The group of seven visited Melbourne, Brisbane, Canberra, Sydney and Perth. A new collaboration agreement between Austroads and TAC was signed during the visit.

### Young professionals study tour

In October 2005 Austroads initiated a young professional's study tour to Europe which included productive meetings, discussions and site visits. The group toured Paris, Stockholm, Vienna, Munich, Cologne, Birmingham, Cardiff and London. Information discussions were held with representatives from road agencies, local municipalities and traffic management centres in each of these cities.

### World Road Association (PIARC)

Austroads continued its strong participation in the World Road Association, with Australasian representatives on 17 of their 18 technical committees. An Australasian level of the PIARC Essay Competition for Young Professionals was conducted and two essays have been submitted to the international level of the competition.



Signing of the Austroads / TAC Agreement – November 2005  
Left to right: Michel Gravel – Executive Director TAC; David Johnston – President TAC;  
Mike Wallwork – MR WA and Menno Henneveld – Austroads Chairman.



# STRUCTURE AND PROGRAMS

## Governance

Austroads is an association incorporated in New South Wales under the Associations Incorporations Act 1984 (NSW). Austroads is governed by a Council consisting of the chief executive (or alternative senior executive officer) from each member organisation. During 2005-06 the Council met in November 2005, March and June 2006. 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 the 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

Member Organisations	Directors (as at 30 June 2006)
Roads and Traffic Authority New South Wales	Mike Hannon — Acting Chief Executive
Roads Corporation Victoria (VicRoads)	David Anderson — Chief Executive
Department of Main Roads Queensland	Alan Tesch — Director-General
Main Roads Western Australia	Menno Henneveld — Commissioner
Department of Transport Energy and Infrastructure South Australia	Flett Steele — Director, Metropolitan and Rural Operations
Department of Infrastructure Energy and Resources Tasmania	Peter Todd — Manager Transport Infrastructure
Department of Planning and Infrastructure Northern Territory	Chris Bigg — Executive Director, Transport & Infrastructure
Department of Territory and Municipal Services Australian Capital Territory	Hamish McNulty — Executive Director City Management
Australian Department of Transport and Regional Services	Andrew Wilson — Executive Director, Maritime and Land Transport
Australian Local Government Association	Adrian Beresford-Wylie — Chief Executive
Transit New Zealand	Rick van Barneveld — Chief Executive

Observer Organisations	Representatives
ARRB Group	Gerard Waldron — Managing Director
National Transport Commission	Tony Wilson — Chief Executive
Bureau of Transport and Regional Economics	Phil Potterton — Executive Director
Department of Transport Papua New Guinea	Henry Parakei — Secretary



## Program structure

Austroads work is divided into major areas, called programs, to make it more manageable and to share the work amongst Austroads member organisations. As at June 2006, there were seven programs; Assets, Capability, Freight, Network, Registration and Licensing, Safety and Technology.

The programs, their objectives and the designated program manager and their organisation are as follows:

Program	Objective	Program Manager	Organisation
Assets	Minimising whole of life cost of road assets	Gary Norwell	MR WA
Capability	Assist members in developing and maintaining sustainable levels of capability	Rod Tout	RTA NSW
Freight	Addressing the future freight task	John Dudgeon	DMR Qld
Network	Optimising utilisation of the network	Dennis Walsh	DMR Qld
Registration and Licensing	Improving the security and integrity of registration and licensing systems and promoting national consistency	Michael Bushby	RTA NSW
Safety	Improving road safety	Bill Frith	MoT NZ
Technology	Promoting improved practice in technology	Gary Liddle	VicRoads

## Program managers

Each program is managed by a program manager who is a senior officer from a member or related organisation. Program managers are responsible to the Austroads Council for the development of project proposals and reporting on the performance of their program. They work on Austroads activities for a proportion of their time in addition to their regular responsibilities. This is formally recognised in an agreement between Austroads, their chief executive and themselves. Austroads does not reimburse the member or related organisation for the time the program manager spends on Austroads activities, but contributes towards the cost of a support person for the program manager and to the direct program costs such as travel and accommodation.

## Task forces

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

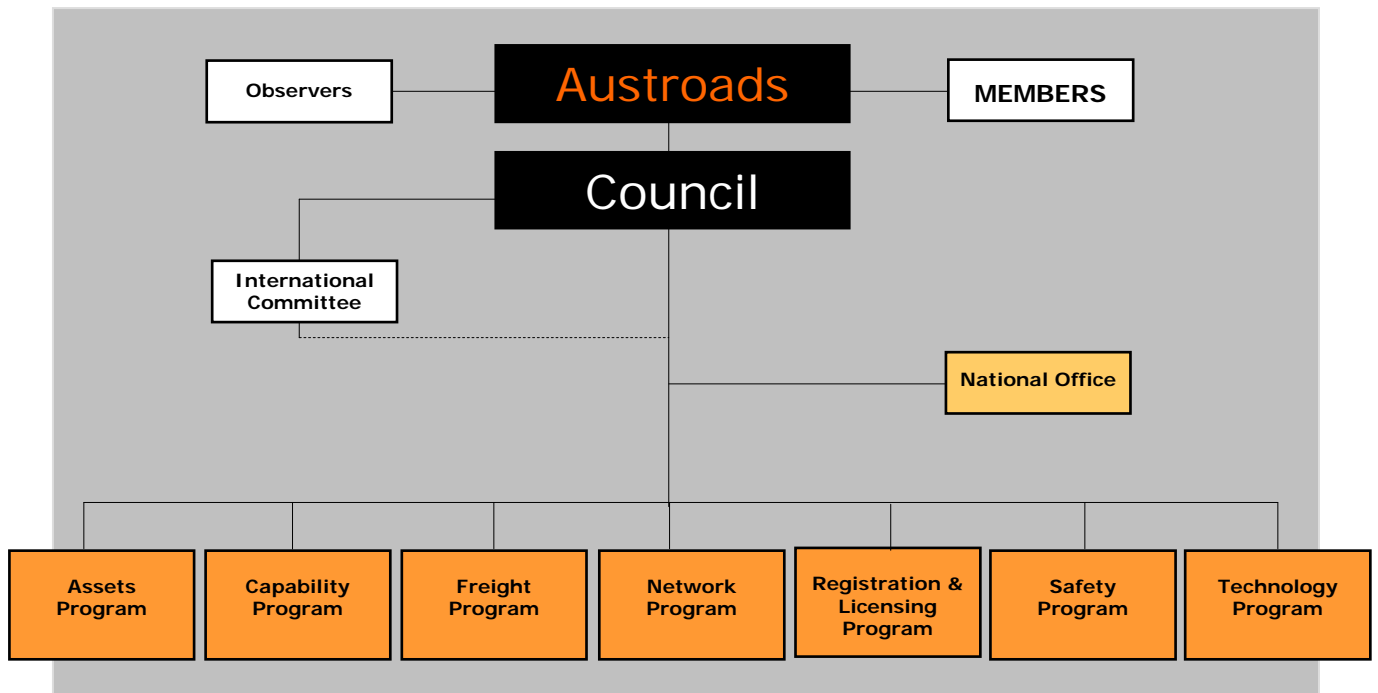
- develop the identified areas of interest into a program of research to be undertaken
- develop specific project proposals from the program of research and ensure their relevance to Austroads' member and related organisations
- identify suitable project managers from member organisations and oversight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

Task force membership is predominantly senior staff from the relevant area of member organisations, except in the case of the Safety and Registration and Licensing programs, where task force members may be from the responsible organisation in those jurisdictions where the road agency does not have responsibility for those functions. 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 oversight the development of each of the Austroads guides. In the case of the Safety and Asset 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.

## Austroads structure



## ASSETS

### *Program Manager*

**Gary Norwell**  
Executive Director, Technology & Environment  
Main Roads Western Australia



### *Program Support*

**Kathryn Martin** – Asset Management Planning & Policy Manager  
**Natalie Lockwood** – Graduate Engineer

### **Program overview**

The 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.

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 2005-06**

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

In 2005-06, the Assets program completed five projects, which resulted in the following publications:

- Guide to Asset Management – Part 1: Introduction to Asset Management
- Guide to Asset Management – Part 5B: Roughness
- Consistency in Approaches to Road Asset Investment Analysis
- Asset Management Tools for Unsealed Roads
- Maintenance Techniques to Manage Social and Environmental Impacts
- Framework for Road Maintenance Intervention Standards and Response Times.

The Assets program held the following workshops during 2005-06:

- Standardised Measurement of Road Condition – a national workshop was held in August 2005 to review the draft measurement specifications.
- AAPA Conference – was held in September 2005 and information about the Assets program was included in a presentation by Gary Little, Technology program manager.
- Management of Skid Resistance – a video conference was held in May 2006 to discuss the issues surrounding the management of skid resistance in member agencies.
- Economics of PBS and Heavy Vehicle Loading Standards at the Network and Route Level – a national workshop was held in May 2006 to reach agreement on the scope of work to be conducted in 2006-07.
- Road Use Data: Harmonisation of Collection, Reporting and Access – two workshops were held (August 2005 and February 2006) to discuss project progress and findings.

## Ongoing Projects 2006-07

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

### Publication projects:

- Guide to Asset Management:
  - Part 3: Asset Strategies
  - Part 4: Program Development and Implementation
  - Part 5A: Inventory and Road Use Data
  - Part 5H: Performance Modelling
  - Part 6: Bridge Performance.

### Strategic research projects:

- Communicating Strategic Decisions to Stakeholders
- Quantifying Community Expectations of Levels of Service on Road Networks
- Road Use Data – harmonisation of collection, reporting and access.

### Technical research projects:

- Standardised Measurement of Road Condition
- Intervention Standards and Cost Models
- Long Term Performance Monitoring to Develop Consistent Performance Models
- Establish Network Performance Profiles, Identify Under Performing Pavements and Establish Contributory Causes
- Management of Skid Resistance
- Service Life of Pavements
- Management of Road Surface Characteristics
- Managing the Impacts of Rising Water Tables and Salinity on Remaining Pavement Life.

## Future Directions

A number of new projects designed to build on the strategic themes of optimal levels of service, road user requirements and monitoring and performance reporting, have been identified and are proposed to be undertaken over the period 2006-07 and 2007-08. These research areas include:

- Measuring Heavy Vehicle Loads Dynamically
- Review and Improve Telecommunications in Road Reserves Guidelines.

During 2005-06 two new project proposals were developed for the 2006-07 technical and strategic research programs, which will enable longer term research into the following asset management issues:

- Economics of PBS and Heavy Vehicle Loading Standards at the Network and Route Level
- Probability Models for Project Level Decision Making.

In 2006-07, the Assets strategic research program will incorporate a number of new projects in association with the National Transport Commission aimed at improving the base knowledge on road data collection:

- Improve Cost Allocation Rules by Road Type (including unsealed roads)
- Examine the Technical and Data Requirements of Alternatives to PAYGO
- Establishing a New National Pavement Maintenance Database.

# CAPABILITY

## Program Manager

**Rod Tout – Director, Corporate Services  
Roads and Traffic Authority New South Wales**



## Program overview

The Capability program was initiated by Austroads Council in November 2005 to address the skill/competency shortages facing road authorities across Australasia. The objective of the Capability program is to provide Austroads member authorities with national strategies and knowledge transfer to ensure sustainable levels of capability including skill attraction and development.

The program focuses on the following streams:

- National workforce capability strategy
- National marketing plan for careers in road authorities
- Best practice guide 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 2005-06

- Best Practice Capability Management – the purpose of this project is to develop a web based resource for Australasian road authorities of best practice techniques/initiatives used to address capability management/skill shortages.
  - A survey has been conducted of the strategic human resource management plans of Austroads member organisations to be used for assessing initiatives as 'best practice'.
  - A workshop was undertaken in April 2006 to identify and develop key areas of focus and various state road authorities are currently providing information on best practice.
- Professional Development – the purpose of this project is to set the strategic direction for the development of professional capability across road engineering.
  - A preliminary evaluation of post graduate courses has been undertaken as has the identification of a number of suitable post graduate courses. Additional data has been gathered and analysed.
- National Skills Marketing Plan – the purpose of this project is to develop a national marketing plan and associated materials to promote the uptake of technical careers to address identified skills gaps in Austroads member authorities.
  - The objective of the first phase is to provide insights that will drive the enhancement of Austroads members' reputation in Australia for careers with the road authorities and to create a marketing identity so they can attract more and higher quality talent as well as possibly retain talent within the organisations.
- Capability Analysis – the purpose of this project is to develop workforce capability analysis for member authorities on planned and forecasted infrastructure development requirements in Australia and New Zealand over the next ten years.
  - A scoping workshop attended by industry representatives; covering road agencies, local government, industry groups and the private sector has been held.

- A further workshop was held in August which provided an opportunity for member authority participants to review the economic data the consultant had identified and provide feedback and options for addressing the priority issues.

### **Future Directions**

The Program has one new project for 2006-07. Professional Development – Post Graduate Development Requirements – its purpose is to work with selected universities or providers to establish post graduate learning programs that meet the needs of the road authorities. This project follows on from work undertaken in 2005-06.

The program will continue work in 2006-07 on the development of a labour market model for the road industry, marketing careers in road authorities, professional development opportunities for existing staff and in the development of ways to share information on successful initiatives amongst member organisations.

## FREIGHT

### *Program Manager*

**John Dudgeon – Director, Corridor Land Management  
Department of Main Roads Queensland**

### *Program Support*

**Russell Ingham – Principal Advisor (Policy & Projects)**



### **Program overview**

The program focuses on the following streams:

- Community attitudes
- Network utilisation
- Data and forecasting
- Compliance and access.

The Freight program is supported by a task force comprising senior staff 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) initiated the Productivity Commission to examine potential changes to funding arrangements for road and rail. Impacts are potentially significant for national freight operations, and the Freight program continues to be an active participant representing the unique needs of road freight at the national level, during a time of significant change.

### **Achievements 2005-06**

In 2005-06, the Freight program completed and published the following five projects:

- Community Attitudes to Road Freight Vehicles
- Review of Freight Data Collection and Generation Procedures and Opportunities
- Guidelines for the Practical Application of New Chain of Responsibility Provisions
- Guidelines for the Content, Development, Approval and Use of Industry Codes of Practice
- Guidelines for the Assessment of the Severity of Breaches of the Load Restraint Standards.

### **Ongoing Projects 2006-07**

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

#### **Strategic research projects**

- Community Attitudes to Road Freight Vehicles – behavioural research
- Vehicle Environmental Standards for Night Time Operations
- Guidelines for Identifying, Assessing and Managing the Environmental Impacts Arising from Trucks Using Metropolitan Road Links
- ITS Technologies for Metropolitan Freight Vehicle Operations
- Freight Forecasting and Analysis – scoping study
- Improving the Transparency of Regulatory (heavy vehicle access) Decision Making
- Review of Mass Concessions
- Heavy Vehicle Access Management Workshop 2.



## **Future Directions**

Two new strategic projects, designed to build on the network utilisation strategic theme, have been identified and will be undertaken in 2006-07:

- Freight Routes in Urban and Rural Areas – scoping study
- Managing High Wide Loads.

Two COAG initiated technical projects will commence during 2006-07:

- Development of a Road Network for B-Triples
- Road Transport Compliance and Enforcement – monitoring and reporting.

## NETWORK

### *Program Manager*

**Dennis Walsh – Director, Network Operations and Modelling  
Department of Main Roads Queensland**



### *Program Support*

**Philip Rankine – Principal Advisor (Austroads)**

### **Program overview**

The program focuses on the following streams:

- Operational Performance:
  - Identification of best practice in the optimisation and measurement of traffic performance considering all categories of road users.
  - Research the use of new technological developments in Intelligent Transport Systems to optimise traffic performance.
  - Investigation of analytical tools used to evaluate the performance of the network.
  - Identification and sharing best practice in managing incidents, planned and un-planned.
- Travel Demand Management:
  - Research the means by which road authorities can best influence travel demand by:
    - Dissemination of real-time travel time information.
    - Application in Australia of international developments in electronic road pricing.
- Improving Levels of Service to Specific Users:
  - Freight
  - Public transport
  - Emergency vehicles.

The primary objective of the program is to assist road and transport agencies in their efforts to optimise utilisation of the road network.

### **Achievements 2005-06**

In 2005-06, the Network program completed the following projects:

- Understanding Network Performance Provided to Road Users
- Understanding how Micro-simulation Traffic Models can be Used to Improve the Performance of the Road Network
- National Cycling Strategy
- Pedestrian/Cyclist Conflict Minimisation on Shared Paths and Footpaths.

### **Ongoing Projects 2006-07**

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

#### **Strategic research projects**

- Review Recent Developments in Road Pricing, Including Freight
- Improving Incident Management
- TRARR (Traffic on Rural Roads) Software Program Upgrade
- Understanding How Operational Changes Impact Network Performance

- Guidelines for Evaluation of Non-Pricing Travel Demand Management Measures
- Traveller Information - benefits to users
- Improving Levels of Service to Specific Users, including Freight, Public Transport and Emergency Vehicles
- Performance Based Standards (PBS) Administrative Guidelines.

### Future Directions

A number of new projects designed to build on the strategic themes of operational performance, travel demand management and improving levels of service to specific users, have been identified and are proposed to be undertaken over the period 2006-08.

These research areas include:

- Optimising Freeway Traffic Flow under Congested Conditions
- Securing Dedicated Short Range Communications (DSRC) Spectrum for ITS Applications
- National Performance Indicators for Network Operations
- Austroads Microsimulation Standards.

The Network program is building a framework to elevate road operational practices from the traditional intersection and corridor approach to a network approach. Performance tied to clear operational objectives will be achieved through network level management of spatial and temporal traffic management measures.

### Australian Bicycle Council

The Australian Bicycle Council (ABC) reports through Austroads to the Standing Committee on Transport (SCOT) and the Australian Transport Council (ATC). The ABC is chaired by the Austroads Network program manager and its membership includes representatives from state and territory road transport and traffic authorities, the Australian Department of Transport and Regional Services, the Australian Local Government Association, Transit New Zealand and the bicycle industry. The ABC provides a forum for Austroads engagement with stakeholders on matters related to cycling.



The Australian National Cycling Strategy 2005-2010 was completed and approved by the ATC in November 2005. The new strategy was developed as a coordinating framework, identifying responsibilities that lie with the various government's levels, community and industry stakeholders to encourage and facilitate increased cycling in Australia. It sets out actions, with targets, timeframes and resources that will ensure the continued growth of this important component of Australia's transport system.

During 2005-06 the ABC continued to close out actions from the 1999-2004 strategy and commenced implementation of the 2005-2010 strategy. Projects completed in 2005-06 were:

- Pedestrian/Cyclist Conflict Minimisation on Shared Paths and Footpaths (Austroads funded)
- Development of the National Cycling Strategy 2005-2010 (Austroads funded)
- Parameters to Prioritise Bicycle Infrastructure Projects, Whole of Life Costings
- Bikeability Checklist for Local Government.

The ABC also provided cycling related input to reviews of relevant Austroads publications.

## REGISTRATION & LICENSING

### *Program Manager*

**Michael Bushby**

**Director Road Safety, Licensing and Vehicle Management  
Roads and Traffic Authority NSW**



### *Program Support*

**Cheryl Richey – 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.

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 (NEVDIS) system which provides for the real time access to and exchange of driver and vehicle information between states and territories in Australia.

### **Achievements 2005-06**

In 2005-06, the Registration & Licensing program completed the following projects:

- National Identification of Heavy Vehicles
- Effectiveness of Licence Sanction Transfers
- Review of Compliance with the Participation Agreement and NEVDIS Requirements Including Privacy
- Evaluation of Risks and Benefits Associated with Access to R & L Data
- Uniform Set of National Vehicle Entry Standards
- Driver Licence Reciprocity.

### **Ongoing Projects 2006-07**

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

Security and Identity Management – driver licence (SCOT/ATC project).

## **Future Directions**

A number of new projects have been identified for the 2006-07 period which will continue to strengthen the national driver licensing and vehicle registration frameworks. These include:

- NEVDIS Information Strategy Plan 2008-2013
- Use & Application of Motor Vehicle Registration Labels
- Driver Licence Exchange of Information Systems
- Enhancing the National Written Off Vehicle Register
- Performance Indicators for the Delivery of Registration & Licensing Services.

# SAFETY



## *Program Manager*

**Bill Frith – Manager, Research and Statistics  
Ministry of Transport, New Zealand**

## *Program Support*

**Grant Strachan – Senior Adviser, Research and Statistics**

## **Program overview**

The program focuses on a Safe System – a framework for action.

Key elements of the safe system:

- 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 2005-06**

In 2005-06, the Safety program completed the following projects:

- An Australasian Road Safety Handbook
- Promotion and Dissemination of the Road Safety Risk Manager
- Evaluation of Speed Limiting Locally Operating Warning Signs
- A Reliable, Low Cost Travel Exposure Index Plus Classification of Motorcycles as a Distinct Vehicle Class
- Road Safety Trends in Rural and Remote Areas
- Further Development of GIS-Based Analysis of Crashes as a Road Safety Management Tool
- Scoping of Future Strategic Road Safety Research.

## **Ongoing Projects 2006-07**

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

### **Publication projects**

- Updating the Australasian Road Safety Handbook
- Development of the Guide to Road Safety.

### **Strategic research projects**

- Balance Between Harm Reduction and Mobility in Setting Speed Limits – Stage 2
- Safer Vehicle Purchases: Developing Cost/Benefit Estimates for Fleet Managers and Others
- Review of Safety Practices Used by Commercial Vehicle Purchasers
- Austroads' Australasian Road Safety Handbook, Volume 4: Developing a Safer System
- A Road Safety Engineering Toolkit
- Analysis of the Safety Benefits of Heavy Vehicle Accreditation Schemes
- Older Driver Model Assessment Program – Phase 3 (implementation and evaluation of improved screening procedures for assessing older driver's performance levels).

### Technical research projects

- Road Safety Engineering Risk Assessment – Stages 3 and 4
- Safety Benefits of Improving the Interaction Between Heavy Vehicles and the Road System.

### Future Directions

A number of new projects have been identified and are proposed to be undertaken over the period 2006-08. 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:

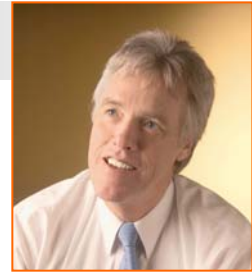
- Balance Between Harm Reduction and Mobility in Setting Speed Limits – Stage 3
- Older Driver Model Assessment Program – Phase 4
- Australasian Road Safety Handbook – Volume 5
- The Crash and Offence Experience of Newly Licensed Young Drivers Over Time Related to the Characteristics of Those Drivers
- Road Safety Audit Toolkit – further development
- Road Safety Audit Toolkit – site maintenance
- Development of Performance Measures that Reflect the Contribution of Road Engineering to Road Safety
- Road Safety in Rural and Remote Areas – heavy vehicle safety
- Road Safety Engineering Risk Assessment – Stage 5
- Future Strategic Road Safety Engineering Research
- Audit of Rest Areas Against National Guidelines (COAG project).



## TECHNOLOGY

### *Program Manager*

**Gary Liddle – Deputy Chief Executive  
VicRoads**



### *Program Support*

**Gary Rykers – Austroads Program Executive**

### **Program overview**

The purpose of the Technology program is to promote improved practice in technology through the development and maintenance of the Austroads Guides.

Where the other programs align directly with the new strategic research priorities of the Austroads strategic plan, the focus of the Technology program is the development and maintenance of a more accessible and useable library of publications within the following seven of Austroads' nine new Guides:

- Guide to Bridge Technology
- Guide to Pavement Technology
- Guide to Project Delivery
- Guide to Project Evaluation
- Guide to Road Design
- Guide to Traffic Management
- Guide to Transport Planning.

The Technology 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 support the development of these guides, including providing advice on the scope, structure and broad content of each guide and the development priorities.

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

### **Achievements 2005-06**

During 2005-06 the Technology program completed the following projects:

- Guide to Road Design:
  - Part 1: Introduction to Road Design
  - Part 2: Design Considerations
- Guide to Pavement Technology:
  - Part 1: Introduction to Pavement Technology
  - Part 4D: Stabilised Materials
  - Part 5: Pavement Evaluation and Treatment Design
- Guide to Project Evaluation:
  - Part 8: Examples
- Updating Design Charts in Austroads Light Traffic Guide
- Nationally Consistent Approach to the Management of Road Traffic Noise
- Best Practice Guidelines for Road Traffic Noise Management
- Review of 1995 Austroads Design Vehicles and Turning Path Templates

- Guidelines for the Collection and Discharge of Stormwater from the Road Infrastructure
- Revision of Guide to Traffic Engineering Practice Part 8 – Traffic Control Devices
- Impact of PBS Vertical Loading Standard at the Network Level.

During 2005-06, the following Austroads technical reports were produced as part of the Austroads technical research program:

- Binder Production and Specification: Information from a South African Workshop
- Specification Framework for Polymer Modified Binders and Multigrade Bitumens
- Guide to the Selection and Use of Polymer Modified Binders and Multigrade Bitumens
- Development of an Asphalt Workability Index – pilot study
- Wheeltracking Temperature Sensitivity and Repeatability Investigation
- Proficiency Exercise: Resilient Modulus
- The Asphaltene Content of Australian Bitumens Part 1: Testing of Pre-1992 Samples
- Commissioning a Cooper Wheel Tracking Device
- CoreLok Evaluation
- Proceedings: Austroads National Asphalt Workshop
- Asphalt Permeability
- Development of a Procedure to Chemically Characterise Bitumens Using the Latroscan
- Review of AS2008 from an Emulsion and PMB Manufacturing Perspective
- Transducer for the Measurement of Horizontal Stresses at the Tyre Pavement Interface.

### Ongoing Projects 2006-07

The Technology program is focussing on the research, development and completion of the following ongoing work areas:

#### Publication projects

- Guide to Bridge Technology:
  - Part 2: Introduction to Bridge Technology
  - Part 3: Bridge Procurement
  - Part 4: Materials and Components Specification and Quality Assurance
  - Part 5: Design Notes
- Guide to Pavement Technology:
  - Part 2: Design of New Pavements
  - Part 4: Pavement Materials
    - Part 4A: Granular
    - Part 4B: Asphalt
    - Part 4F: Bituminous Binders
  - Part 9: Pavement Work Practices
- Guide to Project Delivery:
  - Part 1: Introduction to Project Delivery
  - Part 2: Project Delivery Considerations
  - Part 3: Project Planning and Control
- Guide to Road Design:
  - Part 4: Intersections, Interchanges and Rail Crossings
  - Part 5: Drainage Design
  - Part 7: Geotechnic Formation

- Guide to Traffic Management:
  - Part 4: Network Management
  - Part 5: Road Management
  - Part 6: Intersections, Interchanges and Rail Crossings
  - Part 8: Local Area Traffic Management
  - Part 9: Traffic Operations
  - Part 12: Traffic Impacts of Developments
- Guide to Transport Planning:
  - Part 1: Introduction to Transport Planning
  - Part 3: Route and Project Planning
- Update of Unit Values for use in Calculating Road User Effects
- Development and Management of Austroads Test Methods.

#### **Technical research projects**

- Influence of Vertical Loading on the Performance of Unbound and Cemented Materials
- Quantifying the Stresses at the Tyre/Surface Interface and the Resulting Performance Impacts
- Improved Sprayed Sealing Operations – procedures and guidelines
- Maximising the Benefits from Polymer Modified Binders
- Using Overseas Bitumen
- Delivering Better Quality Asphalt
- Optimum Use of Granular Bases
- Materials Innovation Management System.

#### **Future Directions**

A number of new projects designed to build on the strategic objectives of the Austroads Strategic Plan 2004-07 have been identified. These new projects fall within the following areas:

- Traffic Management
- Road Design
- Pavement Technology
- Project Delivery
- Bridge Technology
- Transport Planning
- Austroads Guides – Glossary of Terms
- Influence of Multiple Axle Loads on Pavement performance
- Innovative Binder Delivery Systems – pilot study.

## 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.

This year saw progress in all four areas and key achievements are highlighted below. A more detailed description of the research is provided in the ARRB Research Annual Report on Technical Research.

### Bituminous surfacings

Work in bituminous surfacings produced major gains in understanding of the properties and performance of modern high performance binders in order to allow better decisions on where these binders are appropriate. The research focus on implementation of the Austroads asphalt mix design also continued including field trials in Brisbane designed to establish the relationship between laboratory testing and on road performance. This work will continue in 2006-07 with the aim of overcoming the remaining obstacles to implementation.

### Pavement technology

The pavement technology research was mainly aimed at understanding the impact of larger and new design trucks on pavement wear in order to allow policy makers to make an informed decision on allowing vehicles access to the road network. In 2005-06 the work produced improved knowledge on the applicability of the fourth power load damage exponent for unbound granular pavements and an improved understanding of the effects of tyre type on pavement wear for steer axles. A field trial in Brisbane provided initial data to determine the load on a quad axle group equivalent to the legal load on a standard axle and a tri-axle group.

Pavement technology research also addressed improving pavement design methods. The first step in this research has produced progress towards development of finite element models to model the deformation behaviour of unbound materials.

There is no procedure for the introduction and acceptance of new materials for road construction and maintenance. In 2005-06 a conceptual design was developed for a system of systematically evaluating innovative materials with a view to improving the uptake of appropriate innovations. The asset management research continued to improve models of road deterioration and works effects to provide greater reliability for predicting the performance of road pavements. In 2005-06 this work included calibration of road deterioration models for roughness and rutting in Victoria, Tasmania and South Australia and development of a range of works effects models for Victoria, South Australia, Tasmania, Queensland and New South Wales.

## Asset management

The asset management research program also addressed improving maintenance planning and operations including the development of multi-objective processes for setting and trading-off maintenance intervention criteria to optimise the allocation of maintenance budgets and an analysis of maintenance techniques to reduce social and environmental impacts.

## Road safety engineering

The research program in road safety engineering is designed to better understand the impact on road safety risk of different road and traffic elements. In 2005-06 achievements included:

- Major reviews on the safety of left and right turn facilities at intersections, safety at work zones, RRPMS, profile edge lines, and linking of traffic signals.
- Extensive reviews of crashes at rural intersections and rural head-on crashes to identify the major causes of these crashes and the most beneficial countermeasures.
- Identification of key maintenance issues that impact road safety pavement condition, unsealed shoulder condition, line marking, guide posts, retro-reflective pavement markers, signs, and roadside vegetation.

Associated road safety research was undertaken to contribute to better planning of road safety programs. This work included the development of average crash rates for different road types, an examination of the effectiveness of different countermeasures in different environments and an initial examination of crash migration effects.

The results from the technical research program are currently being disseminated to practitioners through Austroads reports, newsletters, workshops and the inclusion of relevant results in the Austroads guides.

## INTERNATIONAL

### *International Committee Chairman*

**David Anderson – Chief Executive  
VicRoads**



Austroads coordinates certain 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 an international road organisation based in Paris with members from 109 countries. It convenes a series of technical committees which undertake a four year program of work and report to the World Road Congress which is held at the end of the four year period. The next World Road Congress will be in Paris in 2007.

The technical committees are established with membership invited from member countries. Australia and/or New Zealand have representatives on 17 of the 18 committees. The progress reports from the Australasian representatives are included on the Austroads website. Austroads also produces a World Road Association newsletter covering latest news, outputs and meetings from the Australian and New Zealand involvement. In addition, Australia is represented on the Executive Committee, the Strategic Planning Commission and the Communications Commission.

Austroads also supports the World Road Association by arranging the secondment of a staff member from a member organisation to work with the Association's secretariat in Paris. Amy Hall from Main Roads WA undertook a secondment from July 2005 to March 2006. Kevin Locke from Transit New Zealand commenced a secondment in April 2006 which will go through until the end of the year.

During 2005-06 Austroads also conducted an Australasian level essay competition, which was part of the international competition conducted by the World Road Association in conjunction with the Paris Congress. Six essays were received. The winner of the Australasian level competition was an essay titled 'Challenges to the provision of sustainable road infrastructure – a New Zealand example' submitted by Janice Wilson, James Kilbride and Marcus Lin from Transit New Zealand. The essay 'Considering pavement in planning: case study of a freight analysis and maintenance cost estimation tool for Tasmania' submitted by James Guy from DIER Tasmania and Norbert Michel from ARRB will also be submitted to the international level of the competition along with the winning essay.

Austroads is sponsoring the Road Safety essay prize at the international level.

### **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. During the past year AASHTO sought Austroads assistance in arranging an explanatory paper covering the institutional and political motivations, methods, and success factors leading to a political and public acceptance of strict enforcement of safety countermeasures. Dr Ian Johnston from MUARC was engaged to prepare the paper for AASHTO.

At AASHTO's request Austroads also arranged forums on road safety in Melbourne and Sydney in August 2005 to coincide with a major international conference.

### **Transportation Association of Canada**

Austroads also 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.

Austroads arranged a study exchange visit to Australia for TAC representatives in November 2005. The study group, consisting of seven senior managers from Canadian provincial road authorities visited Melbourne, Brisbane, Canberra, Sydney and Perth.

A young professional's study tour is being planned to visit Canada in early 2006-07 to study asset management.

### **AAMVA**

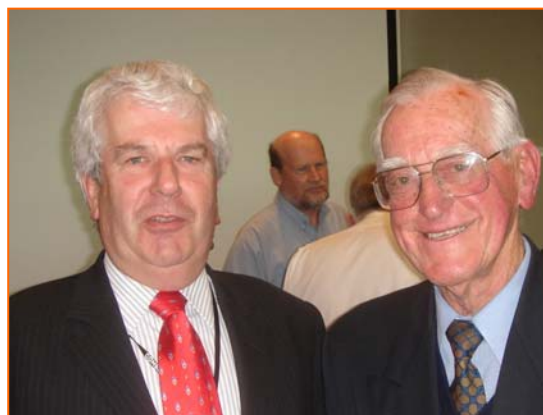
An agreement has also been established with the American Association of Motor Vehicle Administrators (AAMVA). AAMVA is the equivalent organisation of AASHTO which covers vehicle registration and driver licensing in the United States of America.

### **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.



David Anderson – Chairman REAAA Australian Chapter and Don Aitken – Life Member  
at the November 2005 AGM



## CORPORATE

### Murray Kidnie – Executive Director

#### National Office

The Austroads national office provides the secretariat for 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. 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 based on level 9, 287 Elizabeth Street, Sydney.

#### Review of rules

A review has been undertaken of Austroads rules and some minor amendments adopted at a Special General Meeting held in conjunction with the June 2006 Council meeting. The amendments were to bring the rules up to date and pick up new provisions now included in the model rules.

#### Newsletters

A bi-monthly Austroads newsletter is produced for distribution via email. It provides information on latest news, new publications and upcoming events. There are over 2,500 subscribers, including all local councils in Australia. The newsletter is also posted on the website for general user access.

Austroads also produces a World Road Association (PIARC) newsletter periodically, which summarises reports from Australian and New Zealand representatives on technical committees and provides information on recent World Road Association publications.

A newsletter is also produced twice a year for the REAAA Australian Chapter.

#### Publications

Austroads has continued to produce high quality guides which assist road agencies in the planning, design, construction, maintenance, operation and stewardship of roads. During the year the development of the new series of Austroads guides has continued. Each guide will be made up of various parts, totalling 86 publications. At the end of 2005-06, 17 of the 86 parts had been completed. There has also been an agreement that member organisations will adopt the new guides rather than produce their own. This will produce a higher level of national harmonisation and reduce duplication of effort, a major benefit to Austroads members.

There were 19 research reports and ten technical reports produced as well. The full list of publications produced in 2005-06 is shown at page 29 in this report.

#### Publications website

The Austroads' publications website was launched in November 2004. It provides easy access to more than 400 Austroads' publications. Visitors can search for guides, research reports and technical reports. The website allows users to order publications online in electronic or hard copy format. Research and technical reports are free as a PDF download. Guides may be purchased as PDF or in hardcopy. Austroads members, observer organisations and Australian and New Zealand local councils can access all electronic publications, including guides, free of charge. For other organisations, a subscription service can be purchased.

A feedback facility allows users to comment on the content of publications or raise questions. The information is stored on a database and accessed by the authors when the publications are reviewed or updated.

### Austroads free PDF downloads

There continues to be steady demand for free PDF downloads. Monthly figures for 2005-06 show a slight increase over the monthly figures for the previous year for all categories of users. See Table 1 below.

**Table 1 – Average monthly free PDF downloads**

	Public	Austroads Members	Local Government
2004-05	1,027	406	319
2005-06	1,188	477	414

### Publications distributed through the website

Average monthly sales and downloads of publications online since the commencement of the publications website are in Table 2 below.

**Table 2 – Average monthly sales and downloads – all publications**

	Free PDF	PDF Sales	Hardcopy Sales
2004-05	1,752	438	285
2005-06	2,078	559	125

It should be noted that in addition to online sales there continues to be a significant level of sales of publications ordered by phone and fax, especially for hard copies. These are not included in the above figures.

### RoadWatch subscribers

RoadWatch provides an email based notification service on new and updated Austroads publications. It is free to subscribe. Registered users can nominate a list of individual publications and/or subject areas, or alternatively request to be advised on all publications or subject areas. The number of RoadWatch subscribers has continued to increase. At 30 June 2005 there were 2,887 subscribers. At 30 June 2006 there were 7,281 an increase of more than 150% over the previous 12 months.



ANO Staff – left to right: Rodney Berman, Judi Sorbie, David Francis, Murray Kidnie

## PERFORMANCE REVIEW

The Austroads Strategic Plan 2004–07 identifies several performance measures. The main areas are:

- Member satisfaction
- Project completions.

### Member satisfaction

Each year as part of the performance review provisions of the current strategic plan, a survey is undertaken of Austroads Council members as well as users of outputs to establish their level of satisfaction with Austroads performance on several key aspects of its operation as specified in the strategic plan. Surveys were undertaken again in August/September 2005.

The survey questions were the same as those in 2004 with the addition of questions about the new publications website and an additional section on the ARRB technical research work.

Overall the level of satisfaction with Austroads performance continues to be high, with a slight improvement in the level of satisfaction amongst Council members over the previous year. The level of satisfaction amongst users from member organisations remains about the same.

One hundred percent of Council members expressed satisfaction with Austroads overall performance. This compares with 91 percent in 2004. Seventy four percent of users from member organisations were either satisfied or very satisfied overall. This is consistent with the 2004 survey when it was 75 percent.

### Project completions

There were 113 projects approved at the commencement of 2005-06. This included 83 projects continuing from previous financial years and 30 new projects approved to start in 2005-06. A further 11 new projects were approved during the year bringing the total number of new projects to 41 and the overall number of projects for 2005-06 to 124.

Of the 41 new projects 15 were scheduled to be completed by 30 June 2006. Of these, two projects were completed by that date.

During 2005-06, a total of 39 projects were completed and four projects were cancelled, totalling 43. Reducing the number of overdue projects continues to be a high priority for program managers. At 30 June 2006 there were two projects which were overdue by more than 12 months and seven by more than six months.

Comparable figures for projects overdue by more than 12 months were 12 in 2004-05 and 20 in 2003-04. Table 3 provides a summary of the status of the work program as at 30 June for the last three 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
2003-04	71	6	20	12	47	156
2004-05	49	2	12	7	64	134
2005-06	39	4	2	7	72	124

In 2006-07, 81 projects will carry over from 2005-06 and there will be 44 new projects making a total of 125.















## PUBLICATIONS






Publications released during the year ended 30 June 2006.

### Guides












-  RoadFacts 2005 (AP-C18/05)
-  Guide to Pavement Technology Part 1: Introduction to Pavement Technology (AGPT01/05)
-  Guide to Pavement Technology Part 4D: Stabilised Materials (AGPT04D/06)
-  Guide to Bridge Technology Part 1: Overview (AGBT01/06)
-  Guide to Road Design Part 1: Introduction to Road Design (AGRD01/06)
-  Austroads Design Vehicles and Turning Path Templates (AP-G34/06)
-  Guide to Asset Management Part 1: Introduction to Asset Management (AGAM01/06)
-  Guide to Asset Management Part 5B: Roughness (AGAM05B/06)
-  Guide to Road Safety Part 1: Road Safety Overview (AGRS01/06)
-  Guide to Road Safety Part 7: Road Network Crash Risk Assessment and Management (AGRS07/06)
-  Guide to Project Evaluation Part 8: Examples (AGPE08/06).

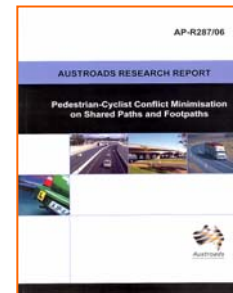
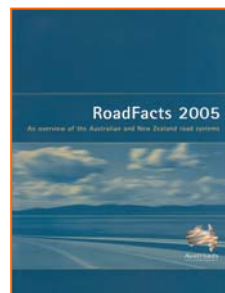
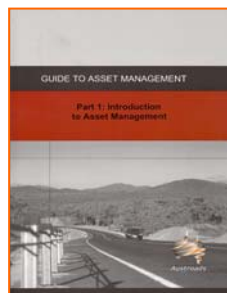
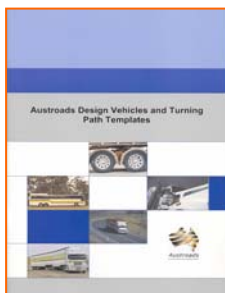
### Research Reports

-  Road Safety in Rural and Remote Areas of Australia (AP-R273/05)
-  Community Attitudes to Road Freight Vehicles (AP-R274/05)
-  Australasian Road Safety Handbook: Volume 3 (AP-R275/05)
-  Consistency in Approaches to Road Network Segmentation and Data Aggregation (AP-R276/05)
-  Modelling, Measuring and Mitigating Road Traffic Noise (AP-R277/05)
-  Evaluation of Speed Limiting Locally Operating Warning Signs (AP-R278/05)
-  Further Aspects of the Relationship between Geometric Features and Crashes (AP-R279/05)
-  The Prospects for Integrated Road Safety Management in Australia – A National Overview (AP-R280/05)
-  Guidelines: Enforcement Powers Along the Chain of Responsibility (AP-R281/06)
-  Guidelines for the Content, Development, Approval and Use of Industry Codes of Practice (AP-R282/06)
-  Review of Freight Data Collection and Generation Procedures and Opportunities (AP-R283/06)
-  Guidelines for Assessment of the Severity of Breaches of the Load Restraint Standards (AP-R284/06)
-  Understanding Network Performance Information Provided to Road Users:  
Part A – Final Report  
Part B – Literature Review  
Part C – Road Managers Survey  
Part D – Road Users Survey  
(AP-R285/06)
-  The Use and Application of Microsimulation Traffic Models (AP-R286/06)

-  Pedestrian Cyclist Conflict Minimisation on Shared Paths and Footpaths (AP-R287/06)
-  Literature Review of Community Consultation Techniques Used by Road Agencies (AP-R288/06)
-  Guidelines for the Development of a Level of Service Framework Based on Community Consultation (AP-R289/06)
-  A Community Consultation Process and Methods for Quantifying Community Expectation on Levels of Service for Road Networks (AP-R290/06)
-  Maintenance Techniques to Reduce Social and Environmental Impacts (AP-R291/06).

## Technical Reports

-  Technical Basis of Austrroads Pavement Design Charts for Light Traffic (AP-T35/06)
-  Pavement Design for Light Traffic: A Supplement to Austrroads' Pavement Design Guide (AP-T36/06)
-  Guide to the Use of Geotextiles Reinforced Seals (AP-T37/06)
-  Fibre-reinforced Seals (AP-T38/06)
-  Sprayed Seal Cutting Practice (AP-T39/06)
-  Audit and Surveillance of Sprayed Sealing Contract Works (AP-T40/06)
-  Specification Framework for Polymer Modified Binders and Multigrade Bitumens (AP-T41/06)
-  Guide to the Selection and Use of Polymer Modified Binders and Multigrade Bitumens (AP-T42/06)
-  Proceedings: Austrroads National Sprayed Sealing Workshops (AP-T44/06)
-  Binder Production and Specification: Information from a South African Workshop (AP-T45/06)
-  Asset Management of Unsealed Roads: Literature Review, LGA Survey and Workshop [2000 – 2002] (AP-T46/06).



## 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 individuals who have made particularly noteworthy contributions.

### Achievement Awards 2005-06

Achievement Awards are awarded 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 2005-06 they were awarded to:

- **Ron Ferguson, Roads and Traffic Authority NSW**

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

- AT1006 – Standardised Measurement of Road Condition
- AS1120 – Road Condition Monitoring Guidelines

Member of the working group for project:

- AP1009 – Guide to Asset Management – Pavement Performance.

- **John Gaffney, VicRoads**

In recognition of his valuable contribution to Austroads, particularly through his effective management of project NS1014 – Understanding Network Performance Provided to Road Users.

- **David Gargett, Bureau of Transport and Regional Economics**

In recognition of his valuable contribution to Austroads, for the Freight Modelling initiative, which became the FreightSim model.

- **Mark Owen, Transit New Zealand**

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

- AT1042 – Intervention Standards and Cost Models

Member of the working group for projects:

- AP1009 – Guide to Asset Management – Pavement Performance
- AS1005 – Communicating Strategic Decisions to Stakeholders
- AS1063 – Quantifying Community Expectations of Levels of Service on Road Networks.

- **Ken Russell, VicRoads**

In recognition of his valuable contribution to Austroads, as a member of the Assets task force, his representation of Austroads on the IPWEA project – Asset Valuation; and his effective management of Austroads projects:

- AP1175 – Guide to Asset Management – Development of Asset Strategies
- AT1044 – Maintenance Techniques to Manage social and Environmental Impacts
- AS1125 – Bridge Management Systems – Network Performance Models.



- **Kristina Sikich, VicRoads**

In recognition of her significant contribution to Austroads through her work with the Technology program, and the development and implementation of the new format for Austroads guides, and for her contribution to the World Road Association through her work with its Secretariat.

- **David Stewart, Department of Main Roads Queensland**

In recognition of his valuable contribution to Austroads, particularly through his effective management of project NS1016 – Understanding How Micro-simulation Traffic Models can be Used to Improve the Performance of the Road Network.

### Austroads Young Professionals Award

The Austroads young professionals study tour to Europe was very successful with productive meetings, discussions and site visits in all centres visited. The group toured Paris, Stockholm, Vienna, Munich, Cologne, Birmingham, Cardiff and London during the 2-week period from 3 – 14 October 2005.

Beneficial discussions were held with representatives from road agencies, local municipalities and traffic management centres in each of these cities. They provided extensive learning opportunities for the tour participants. As some of the systems, practises and techniques observed have direct relevance in Australian conditions, it is envisaged that, with the experience and contacts made, tour members will be in a position to drive efficiencies through their respective organisations.

The tour participants were:

- Dale Jepson – Department of Main Roads Queensland (Tour Leader)
- Professor Rod Troutbeck – Queensland University of Technology (Tour Technical Advisor)
- Richard Blight – Department for Transport Energy & Infrastructure South Australia
- Damien Chee – Roads and Traffic Authority New South Wales
- Andrew Collings – VicRoads
- Sandra Lennie – Department of Main Roads Queensland
- Brendan Marsh – Main Roads Western Australia.
- Rifaat Shoukrallah – Department of Territory and Municipal Services Australian Capital Territory
- Mark Walker – Transit New Zealand.



The tour group with Swedish road authority representatives in Stockholm.



## TASK FORCES AND REVIEW PANELS

### Assets task force/review panel

Gary Norwell (Chair)	Main Roads Western Australia (Program Manager, Assets)
Geoff Clarke	Australian Department of Transport and Regional Services
Andrew Golding	Department of Main Roads Queensland
Ian Hickson	Department of Territory and Municipal Services Australian Capital Territory
Chris Parkman	Transit New Zealand
Bob Peters	Main Roads Western Australia
David Rolland	National Transport Commission
Ken Russell	VicRoads
Mick Savage	Institute of Public Works Engineering Australia
Bob Sharpe	Roads and Transport Authority New South Wales
John Statton	Department for Transport, Energy and Infrastructure South Australia
Peter Todd	Department of Infrastructure, Energy and Resources Tasmania
Ernie Wanka	Department of Planning and Infrastructure Northern Territory

### Capability task force

Rod Tout (Chair)	Roads and Traffic Authority New South Wales (Program Manager, Capability)
Geoff Balmain	Transit New Zealand ( <i>alternate</i> )
Phil Cantillon	Department of Infrastructure, Energy and Resources Tasmania
Chris Champion	Institute of Public Works Engineering Australia
Martin Fletcher	Transit New Zealand ( <i>alternate</i> )
Lou George	Department for Transport, Energy and Infrastructure South Australia
Tony Gill	Department of Territory and Municipal Services Australian Capital Territory
Mary Lydon	ARRB Group
Brendan Nugent	Roads and Traffic Authority New South Wales
Jon Oxford	Department of Main Roads Queensland
Richard Phillips	Engineers Australia
Penny Sharples	VicRoads
John Taya	Main Roads Western Australia
Viki Smith	Department of Planning and Infrastructure Northern Territory ( <i>corresponding</i> )

### Freight task force

John Dudgeon (Chair)	Department of Main Roads Queensland (Program Manager, Freight)
David Ball	Queensland Transport ( <i>until May 2006</i> )
John Bessell	Department of Infrastructure, Energy and Resources Tasmania
Lloyd Binks	Australian Department of Transport and Regional Services
Angus Draheim	Queensland Transport ( <i>May 2006 onwards</i> )
Don Hogben	VicRoads
Philip Halton	Roads and Traffic Authority New South Wales
Lindsay Oxlad	Department for Transport, Energy and Infrastructure South Australia
Alex Rae	Department of Planning and Infrastructure Northern Territory
Paul Salter	National Transport Commission
Lynn Sleath	Transit New Zealand ( <i>Observer</i> )
Mark Walker	Main Roads Western Australia

### Network task force

Dennis Walsh (Chair)	Department of Main Roads Queensland (Program Manager, Network)
Michael Blyleven	Transit New Zealand
Simon Buxton	Department of Infrastructure, Energy and Resources Tasmania
John Erceg	Main Roads Western Australia
Tony Gill	Department of Territory and Municipal Services Australian Capital Territory (also representing ALGA)
Ken Grattan	Department of Planning and Infrastructure Northern Territory
Phil Margison	Roads and Traffic Authority New South Wales
Barry Moore	National Transport Commission
Peter Swift	Department for Transport, Energy and Infrastructure South Australia
Ted Vincent	VicRoads

### Registration and Licensing task force

Michael Bushby (Chair)	Roads and Traffic Authority New South Wales (Program Manager, Registration & Licensing)
Charmaine Berry	Land Transport New Zealand
Greg Deimos	National Transport Commission
Richard Fowler	Department of Infrastructure, Energy and Resources Tasmania
Rod Frisby	Department for Transport, Energy and Infrastructure South Australia
Geoff Hughes	National Motor Vehicle Theft Reduction Council
Rodney Hutchison	Australian Department of Transport and Regional Services
Trevor Maughan	Department of Planning and Infrastructure Western Australia
Terry Moore	NEVDIS Administration Austroads
David Quinlan	Department of Territory and Municipal Services Australian Capital Territory
Geoff Shanks	VicRoads
Irene Sui	Roads and Traffic Authority New South Wales
Steve Venning	Queensland Transport
Steve Wheelhouse	Department of Planning and Infrastructure Northern Territory

**Road safety task force/review panel**

Bill Frith (Chair)	Ministry of Transport New Zealand (Program Manager, Safety)
Phil Allan	Department for Transport, Energy and Infrastructure South Australia
David Anderson	Australian Local Government Association
Colin Brodie	Transit New Zealand
Jean Butler	Department of Territory and Municipal Services Australian Capital Territory
Iain Cameron	Department of the Premier and Cabinet Western Australia
Jon Douglas	Department of Main Roads Queensland
Tim Eaton	National Transport Commission
Nial Finegan	VicRoads
Soames Job	Roads and Traffic Authority New South Wales
Joe Motha	Australian Department of Transport and Regional Services
Pam Palmer	Department of Planning and Infrastructure Northern Territory
Mike Stapleton	Queensland Department of Transport
Susan Stipcevic-Webb	Department of Infrastructure, Energy and Resources Tasmania

**Bridge technology review panel**

Gary Liddle (Chair)	VicRoads (Program Manager, Technology)
Geoff Bouilly	VicRoads
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
Warren Stadler	Roads and Traffic Authority New South Wales
Peter Wilson	Department for Transport, Energy and Infrastructure South Australia

**Project delivery review panel**

Gary Liddle (Chair)	VicRoads (Program Manager, Technology)
Phil Cantillon	Department of Infrastructure, Energy and Resources Tasmania
Bruce Douglas	Mornington Peninsula Shire Council (ALGA)
Bruce Gidley	VicRoads
Gabriel Joseph	Department of Territory and Municipal Services Australian Capital Territory
Pat Kenny	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

### Pavement technology review panel

Gary Liddle (Chair)	VicRoads (Program Manager, Technology)
Greg Arnold	Transit New Zealand
Gavin Donald	Roads and Traffic Authority New South Wales
Ian Hickson	Department of Territory and Municipal Services Australian Capital Territory
Bruce Hansen	Brisbane City Council (ALGA)
Stephen Jackson	Department of Planning and Infrastructure Northern Territory
Allan Jones	Department of Main Roads Queensland
Ross Keeley (Temp)	Main Roads Western Australia
Adrian LaManna	Standards Australia
Chris Mathias	Department for Transport, Energy and Infrastructure South Australia
David Mangan	Australian Asphalt Pavement Association
Bryan Pidwerbesky	Roading New Zealand
Andrew Papacostas	VicRoads
Con Tsemitsidis	Cement Concrete and Aggregates Australia
George Vorobieff	Australian Stabilisation Industry Association
Barry Walker	Department of Infrastructure, Energy and Resources Tasmania

### Road design review panel

Gary Liddle (Chair)	VicRoads (Program Manager, Technology)
Owen Arndt	Department of Main Roads Queensland
Peter Aumann	Monash City Council (ALGA)
Anthony Barton	Australian Bicycle Council
Tom Brock	Association of Consulting Engineers Australia
John Cunningham	VicRoads
Dennis Davis	Transit New Zealand
Rob Grove	Main Roads Western Australia
Bernard Hammonds	Roads and Traffic Authority New South Wales
Ian Hickson	Department of Territory and Municipal Services Australian Capital Territory
Adrian LaManna	Standards Australia
Graeme Nichols	Department of Infrastructure, Energy and Resources Tasmania
Noel O'Callaghan	Department of Transport, Energy and Infrastructure South Australia
Damien Smith	Australian Department of Transport and Regional Services
Peter Toll	Department of Planning and Infrastructure Northern Territory

### Traffic management review panel

Gary Liddle (Chair)	VicRoads (Program Manager, Technology)
Anthony Barton	Australian Bicycle Council
Simon Buxton	Department of Infrastructure, Energy and Resources Tasmania
Ray Cook	Transit New Zealand
Steve Clark	Department of Transport, Energy and Infrastructure South Australia
Griff Davis	City of Whittlesea (ALGA)
Jon Douglas	Department of Main Roads Queensland
David Freeman	Standards Australia
Geoff Horni	Department of Planning and Infrastructure Northern Territory
Dave Landmark	Main Roads Western Australia
Phil Margison	Roads and Traffic Authority New South Wales
Rifaat Shoukrallah	Department of Territory and Municipal Services Australian Capital Territory
Greg Smith	Australian Automobile Association
Ted Vincent	VicRoads

### Transport planning and project evaluation review panel

Gary Liddle (Chair)	VicRoads (Program Manager, Technology)
Lindsay Broadhurst	Main Roads Western Australia
Geoff Clarke	Australian Department of Transport and Regional Services
Dave Gennard	Transit New Zealand
Ken Grattan	Department of Planning and Infrastructure Northern Territory
Mark Harvey	Bureau of Transport and Regional Economics
Peter Hookham	Transit New Zealand
Kuga Kugathas	Department of Territory and Municipal Services Australian Capital Territory
Allan Richmond	Department of Main Roads Queensland
Peter Tisato	Department of Transport, Energy and Infrastructure South Australia
Andrew Van Emmerik	Department of Infrastructure, Energy and Resources Tasmania
Bruce Van Every	VicRoads
Brian Watters	Roads and Traffic Authority New South Wales

## ABBREVIATIONS

AAPA	Australian Asphalt Pavement Association
AAMVA	American Association of Motor Vehicle Administrators
AASHTO	American Association of State Highway and Transportation Officials
ABC	Australian Bicycle Council
ACT	Australian Capital Territory
ALGA	Australian Local Government Association
ANO	Austroads National Office
ARRB	ARRB Group
ATC	Australian Transport Commission
COAG	Council of Australian Governments
DIER Tas	Department of Infrastructure, Energy and Resources Tasmania
DMR Qld	Department of Main Roads Queensland
DSRC	Dedicated Short Range Communications
GIS	Geographic Information Systems
ITS	Intelligent Transport Systems
MoT NZ	Ministry of Transport New Zealand
MR WA	Main Roads Western Australia
NEVDIS	National Exchange of Vehicle and Driver Information System
PAYGO	Pay As You Go
PBS	Performance Based Standards
PDF	Portable Document Format
PIARC	World Road Association
R&L	Registration and Licensing
REAAA	Road Engineering Association of Asia and Australasia
RRPMs	Reflective Raised Pavement Markers
RTA NSW	Roads and Traffic Authority New South Wales
SCOT	Standing Committee on Transport
TAC	Transportation Association of Canada
Transit NZ	Transit New Zealand
TRARR	Traffic on Rural Roads
USA	United States of America
VicRoads	Roads Corporation Victoria

# AUSTROADS FINANCIAL INFORMATION

## Income Statement for the year ended 30 June 2006

	2006		2005	
	\$	\$	\$	\$
<b>Income</b>				
<b>Contributions</b>				
Membership		797,200		773,900
Work Program		6,456,400		6,335,120
<b>Special Programs and Projects</b>				
R & L Identification of Heavy Vehicles	-		25,000	
IAP Expansion of the HML Network	-		205,000	
Safety Measures Study	-		18,500	
Intelligent Access Project	-		391,000	
		-		639,500
<b>Publications</b>				
Gross Sales Revenue		167,863		285,871
Royalties		2,451		13,978
<b>Interest Received</b>				
Short Term Investments	126,678		214,930	
Rental Bond	1,860		1,588	
		128,538		216,518
<b>Other Income</b>		303		4,501
<b>TOTAL INCOME</b>		<b>7,552,755</b>		<b>8,269,388</b>

The accompanying notes form part of these Financial Statements

## Income Statement for the year ended 30 June 2006 (continued)

	2006		2005	
	\$	\$	\$	\$
<b>Expenditure</b>				
<b>Corporate</b>				
Salaries and Related Charges	485,320		455,920	
Other National Office Expenses (Note 2)	232,970		269,793	
Projects	180,963		156,775	
Corporate Services	162,670		169,165	
Depreciation (Note 1b)	20,080		20,860	
Program Management	594,448		556,527	
		1,676,451		1,629,040
<b>Work Program</b>				
Intelligent Access	-		854,258	
IAP	220,409		-	
Safety Measures Study	-		18,500	
Assets	1,029,780		945,058	
Freight	94,907		208,952	
Network	677,266		470,021	
Registration and Licensing	236,946		159,412	
Safety	1,082,392		1,105,603	
Technology	2,782,157		2,675,037	
Capability	69,006		-	
		6,192,863		6,436,841
<b>Publications</b>				
Cost of Sales	2,443		58,990	
ARRB Commission	-		45,849	
Stock Write Off	-		128,051	
Royalty Payments	-		1,959	
Production and Distribution	40,000		40,000	
		42,443		274,849
		7,911,757		8,340,730
<b>Net (Deficit)/Surplus for the year</b>		<b>(359,002)</b>		<b>(71,342)</b>

The accompanying notes form part of these Financial Statements



## Balance Sheet as at 30 June 2006

	2006		2005	
	\$	\$	\$	\$
<b>ASSETS</b>				
<b>Current Assets</b>				
Cash	2,114,385		1,113,142	
Investments (Note 1d)	1,763,132		3,100,973	
Receivables (Note 3)	183,245		903,630	
Prepayments	20,901		21,154	
Other Debtors	-		449,857	
		4,081,663		5,588,756
<b>Non-Current assets</b>				
Office Furniture and Equipment at Cost	212,581		210,898	
Less: Provision for Depreciation	(192,948)		(189,293)	
	19,633		21,605	
Motor Vehicles at Cost	21,410		20,221	
Less: Provision for Depreciation	(2,112)		(3,191)	
	19,298		17,030	
Sundry Debtor	2,588		33,214	
		41,519		71,849
<b>Total Assets</b>		<b>4,123,182</b>		<b>5,660,605</b>
<b>LIABILITIES</b>				
<b>Current Liabilities</b>				
Accounts Payable	1,141,258		2,335,795	
Contributions received in advance	253,527		182,117	
Subscriptions invoiced in advance (NEVDIS II)	38,336		-	
Unacquitted funds (NEVDIS II) (Note 4)	558,635		664,351	
Provision for annual leave	55,633		42,873	
Provision for Long Service Leave	18,996		15,255	
		2,066,385		3,240,391
<b>Non-current Liabilities</b>				
Provision for Long Service Leave		19,172		23,587
<b>Total Liabilities</b>		<b>2,085,557</b>		<b>3,263,978</b>
<b>NET ASSETS</b>		<b>2,037,625</b>		<b>2,396,627</b>
Represented by:				
<b>MEMBERS' FUNDS</b>				
Net(Deficit)/ Surplus		(359,002)		(71,342)
Cumulative Surplus Brought Forward		2,396,627		2,467,969
<b>Members' Funds</b>		<b>2,037,625</b>		<b>2,396,627</b>

The accompanying notes form part of these Financial Statements

## Statement of Cash Flows for the year ended 30 June 2006

	2006 \$	Inflows (Outflows)	2005 \$
<b>Cash flows from operating activities</b>			
<b>Receipts</b>			
Member Contributions	7,763,969		5,367,679
Publication Sales	184,574		341,174
Interest Received	175,391		211,767
External Project Funding	-		639,500
Other Receipts	28		4,636
Net GST Receipt	169,213		(184,868)
<b>Total Receipts</b>	<b>8,293,175</b>		<b>6,379,888</b>
<b>Payments</b>			
Salaries and Related Costs	(485,029)		(408,425)
National Office	(592,547)		(560,456)
Publications	(42,443)		(241,583)
Programs	(7,489,653)		(5,356,693)
<b>Total Payments</b>	<b>(8,609,672)</b>		<b>(6,567,157)</b>
<b>Net Cash (Used in)/Provided by Operating Activities (Note 6)</b>	<b>(316,497)</b>		<b>(187,269)</b>
<b>Cash Flows from Investing Activities</b>			
Proceeds from Sales of Fixed Assets	15,275		16,364
Payment for Purchases of Fixed Assets	(35,376)		(28,437)
<b>Net Cash used in Investing Activities</b>	<b>(20,101)</b>		<b>(12,073)</b>
<b>Net (Decrease)/Increase in cash held</b>	<b>(336,598)</b>		<b>(199,342)</b>
<b>Cash at the beginning of the year</b>	<b>4,214,115</b>		<b>4,413,457</b>
<b>Cash at the end of the year (Note 5)</b>	<b>3,877,517</b>		<b>4,214,115</b>

The accompanying notes form part of these Financial Statements

## Notes to and forming part of the accounts for the year ending 30 June 2006

### 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, Urgent Issues Group 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

Austroads has ceased retaining levels of publications for resale. All inventories were written down to nil value and transferred to SAI Global. The association is uncertain what sales will be generated from such inventories. As sales are made, Austroads receives the proceeds less a commission. These proceeds are brought to account as income. SAI Global have also commenced producing Austroads publications for which Austroads receives royalty payments as sales are made.

#### b) Depreciation

Furniture and equipment and motor vehicles are depreciated on a straight line basis over their useful lives.

#### c) Provision for employee entitlements

Provision 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.

#### d) Investments

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

#### e) NEVDIS II

Austroads 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. This commitment involves a monthly subscription payment to Fujitsu for \$154,294 adjusted for CPI increases in future years.

Funding of NEVDIS implementation is recognised as income to the extent of expenditure incurred to balance date (refer Note. 4). Funding in excess of expenditure was carried forward to the subsequent year as unacquired 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 2006 (continued)**

	2006 \$	2005 \$
<b>2) OTHER NATIONAL OFFICE EXPENSES</b>		
Other National Office Expenses includes the following		
- Remuneration of Auditor for Audit Services	9000	8500
- Remuneration of Auditor for Prior year	410	1170
	9,410	9,670
- Rental expense on operating lease	72,627	97,977
<b>3) RECEIVABLES</b>		
Trade Debtors	30,327	254,511
NEVDIS Subscriptions Receivables	152,918	649,119
	183,245	903,630
<b>4) NEVDIS II</b>		
Income		
Members' contributions	3,074,256	3,541,113
Work Request Recoveries	-	7,256
Transport SA extract charges	5,998	24,214
Recalls	172,857	164,989
DVS Project Income	66,600	-
Interest Received	44,986	43,408
<b>Total Income</b>	<b>3,364,697</b>	<b>3,780,980</b>
Expenditure		
Bank Charges	236	218
Enhancements	188,709	71,489
Fujitsu DPX	29,796	30,852
Fujitsu Miscellaneous	63,208	13,725
Fujitsu Subscriptions	1,837,753	1,761,745
RTA NEVDIS Administration Unit	512,373	574,849
RTA NEVDIS Salary	671,423	687,602
Access to Registration Data	66,670	-
DVS Project	94,247	-
Transport SA extract charges	5,998	25,344
<b>Total Expenditure</b>	<b>3,470,413</b>	<b>3,165,824</b>
Net Surplus for the year	(105,716)	615,156
Amount Unexpended in prior year	664,351	49,195
Amount Unexpended transferred to Liabilities (Note 1e)	(558,635)	(664,351)
Net Surplus	-	-

**Notes to and forming part of the accounts for the year ending  
30 June 2006 (continued)**

**5) 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	2,114,385	1,113,142
Investments	1,763,132	3,100,973
	<b>3,877,517</b>	<b>4,214,115</b>

**6) RECONCILIATION OF NET CASH USED IN OPERATING ACTIVITIES TO OPERATING RESULTS**

Operating Result	(359,002)	(71,342)
Depreciation	20,080	20,860
Net gain on disposal of plant and equipment	(275)	135
Decrease/(Increase) in inventories	-	33,266
Decrease/(Increase) in trade debtors	224,184	(179,638)
Decrease/(Increase) in prepayments and other debtors	976,937	167,330
Increase/(Decrease) in Liabilities	(1,178,421)	(157,880)
<b>Net Cash from Operating Activities</b>	<b>(316,497)</b>	<b>(187,269)</b>

## **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 statements as set out on pages 39 to 45:

1. Present fairly the financial position of Austroads Incorporated as at 30 June 2006 and its performance for the year ended on that date.
2. 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**



**Menno Henneveld**  
**Chairman**

8th September 2006

## Independent Audit Report to the Members of Austroads Incorporated

### Scope

#### The special purpose financial report and committee's responsibility

The special purpose financial report comprises the balance sheet, income statement, statement of cash flows, accompanying notes to the financial statements, and the statement by members of the committee for Austroads Incorporated (the association), for the year ended 30 June 2006.

The Executive Committee of the association is responsible for the preparation and true and fair presentation of the financial report and have determined that the accounting policies used and 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. This includes responsibility for the maintenance of adequate accounting records and internal controls that are designed to prevent and detect fraud and error, and for the accounting policies and accounting estimates inherent in the financial report.

The special purpose financial report has been prepared for distribution to members for the purpose of fulfilling the committee's financial reporting requirements 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.

### Audit Approach

We conducted an independent audit in order to express an opinion to the members of the association. Our audit was conducted in accordance with Australian Auditing Standards, in order to provide reasonable assurance as to whether the financial report is free of material misstatement. The nature of an audit is influenced by factors such as the use of professional judgment, selective testing, the inherent limitations of internal control, and the availability of persuasive rather than conclusive evidence. Therefore, an audit cannot guarantee that all material misstatements have been detected.

We performed procedures to assess whether in all material respects the financial report presents fairly, in accordance with the accounting policies described in Note 1, so as to present a view which is consistent with our understanding of the association's financial position, and of its performance as represented by the results of its operations. These policies do not require the application of all Accounting Standards and other mandatory professional reporting requirements in Australia. No opinion is expressed as to whether the accounting policies used and described in Note 1, are appropriate for the needs of the members.

We formed our audit opinion on the basis of these procedures, which included:

- examining, on a test basis, information to provide evidence supporting the amounts and disclosures in the financial report, and
- assessing the appropriateness of the accounting policies and disclosures used and the reasonableness of significant accounting estimates made by the committee.

While we considered the effectiveness of management's internal controls over financial reporting when determining the nature and extent of our procedures, our audit was not designed to provide assurance on internal controls.

## Independence

In conducting our audit, we followed applicable independence requirements of Australian professional ethical pronouncements.

## Audit Opinion

In our opinion, the financial report of Austroads Incorporated presents a true and fair view in accordance with the accounting policies described in Note 1 to the financial statements, of the financial position of Austroads Incorporated as at 30 June 2006 and the results of its operations and its cash flows for the year then ended.



**MOORE STEPHENS SYDNEY**



**S. Tzannes, Partner**

8th September 2006

Level 7, 20 Hunter Street, Sydney NSW 2000