

Austroads

Annual Report 2003/04



Austroads Annual Report 2003/04



Austroads

Sydney 2004

Austroads Annual Report 2003/04

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Department of Main Roads Queensland and Roads and Traffic Authority New South Wales

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 Commonwealth Department of Transport and Regional Services in Australia, 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 of Transport and Urban Planning South Australia
- ◆ Department of Infrastructure, Energy and Resources Tasmania
- ◆ Department of Infrastructure, Planning and Environment Northern Territory
- ◆ Department of Urban Services Australian Capital Territory
- ◆ Commonwealth 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.

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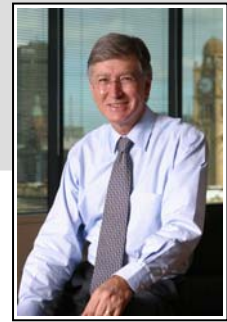
Chairman's message

Chairman

Paul Forward

Chief Executive

Roads and Traffic Authority New South Wales



The past year has been an exciting period for Austroads with the development and adoption of a new strategic plan for the next three years and consequential restructuring of its operations and work programs. The new strategic plan provides Austroads with a more focused approach and clearly defined research priorities based on current and emerging issues identified by member organisations and external stakeholders.

Austroads' aim is to be the Australasian leader in the provision of high quality information and advice and fostering research in the road sector. The delivery arrangements have been aligned with the new strategic priorities. The mechanisms for involving the expertise of member organisations have been changed. Reference groups have been replaced by task forces and review panels. New people from member organisations have been appointed to manage the new program structure. Given the extent of change the transition to the new arrangements has been smooth.

In addition to this restructure, a comprehensive knowledge transfer strategy has been developed to ensure that Austroads research is reaching a wide audience. Electronic communications provide expanded opportunities to target the relevant audiences for Austroads outputs. Further initiatives in this area are planned for the coming year.

In the 2003/04 period Austroads has achieved significant improvements for road and transport outcomes in Australasia. The success of an association such as Austroads rests with its member organisations in the planning, operation and delivery of the work programs. Austroads has been fortunate to enjoy the strong support of member organisations and in particular the personal efforts of a large number of staff from member organisations.

I take this opportunity to acknowledge the work of all Austroads program managers and support staff and project managers and participants in jurisdictional forums. Without their support Austroads could not achieve anything like its current outputs. On behalf of the Austroads Council I thank all of them for their significant contributions. I also want to make particular mention of the outgoing program managers. There was a change of program personnel during the year with three program managers standing down after nearly four years in that position with their respective programs. They were: Sue Sinclair (Road Use Management); Ian Reeves (Technology and Environment); Phil Ladner (Business Systems). Joe Motha (Road Safety) also stood down after nearly two years in that position. The remaining program manager, Peter Balfe (Road System Management) has continued on with the new Technology program. I thank all five for their major contribution to their respective programs.

The Austroads Council is firmly committed to producing high quality outputs that are relevant, valuable and utilised by member organisations. We are confident that the changes introduced in the past twelve months put us in a strong position to do so as we move forward with a process of continuous improvement.

Paul Forward
Chairman

Overview

Development of the new strategic plan

The development of a new strategic plan for Austroads to cover the period from July 2004 to June 2007 commenced in the latter part of 2002/03. Several drafts were considered by the Austroads Council during 2003/04. The new strategic plan was given final approval by the Austroads Council in June 2004. The new plan sets the direction for Austroads for the coming three years and provides a guide for the development of projects and activities to be undertaken. The new plan is a more targeted approach than previously and is more action oriented. Its development was a collaborative effort with a high level of involvement by Council members as well as internal and external stakeholders. A copy of the Strategic Plan 2004 – 07 is available free of charge from the Austroads website at www.austroads.com.au

Strategic priorities

The strategic research priorities were identified following consideration of a range of emerging issues and discussions with stakeholders. These processes are spelt out in the strategic plan. The priorities agreed on by the Austroads Council are:

- ◆ Assets – minimising the whole of life cost of assets
- ◆ Freight – addressing the future freight task
- ◆ Network – optimising utilisation of the road network
- ◆ Registration and licensing – improving security and integrity of registration and licensing systems and promoting their national consistency
- ◆ Safety – improving road safety.

Publication series

Austroads is recognised as the producer of high quality guides which assist road agencies in the planning, design, construction, maintenance and operation of roads. A more systematic approach to reviewing and updating these has been adopted. A comprehensive suite of guides is to be produced over the next few years grouped into nine thematic series as follows:

- ◆ Asset management
- ◆ Bridge technology
- ◆ Pavement technology
- ◆ Project delivery
- ◆ Project evaluation
- ◆ Road design
- ◆ Road safety
- ◆ Traffic management
- ◆ Transport planning.

During 2003/04 work was substantially completed on the development of the Project Evaluation series.

overview

Changes to delivery arrangements

As the new strategic plan developed the Council agreed to realign the organisational arrangements to bring them into line with the new priorities in order to focus resources on the key issues. The primary mechanism for the involvement of specialist staff from member organisations had been reference groups. These were disbanded in December 2003 and replaced with task forces and review panels. A task force was established for each strategic research priority to identify streams of work and develop project proposals. Review panels were established to oversight the development of each publication series. The program structure which had been in place since mid 2000 was replaced with a new program structure in March 2004. Six new programs were established, five of these relate to the strategic priorities identified in the strategic plan, the sixth relates to technical guides. New program managers and support people commenced with the new programs.

Australian Transport Council

The Australian Transport Council (ATC) is a ministerial forum for Commonwealth, State and Territory consultations and provides advice to governments on the coordination and integration of all transport and road policy issues at a national level. The Standing Committee on Transport (SCOT) supports the ATC with a nominee of each ATC Minister, who is generally at head of department or agency level. The SCOT is supported by a formal committee structure that provides advice on a range of policy and technical matters. Austroads continues to act as the road modal group for the SCOT providing technical input in response to requests. Projects undertaken in 2003/04 include automatic crash notification devices and infrastructure, promotion of a nationally consistent approach to drugs and driving, mandatory alcohol interlocks and review and revision of the Australian Cycling Strategy. These projects are undertaken through the regular Austroads project management arrangements by the relevant program manager.

Supporting technical research capacity

Austroads has recognised the importance of maintaining a minimum level of technical research capacity within Australia across key research areas so that this can be available to meet future requirements of road agencies. Four key areas of research were identified: bituminous surfacings, pavement structures, asset management and engineering safety. Austroads has committed to support research in these areas to retain relevant expertise, both through the retention of existing skilled staff and the recruitment of new staff to develop appropriate skills.

Knowledge transfer

The sharing of knowledge is fundamental to the operation of Austroads. During 2003/04 a knowledge transfer strategy was developed and adopted by Council. The strategy includes new approaches to the dissemination of reports and publications and their use by member organisations and others including:

- ◆ Conducting seminars and workshops and participating in conferences
- ◆ Producing a more comprehensive newsletter drawing on national and international experience and developments
- ◆ Improving utilisation of web based dissemination
- ◆ Arranging study tours for Austroads participants to visit innovative developments in Australasia and internationally
- ◆ Facilitating training on relevant topics
- ◆ Developing networks to effectively transfer knowledge to target audiences.

overview

International involvement

Austroads makes a significant commitment to international involvement, principally through the World Road Association (PIARC). Austroads plays a coordinating role with its member organisations to enhance its capacity to perform its other tasks, particularly undertaking strategic research and producing guides.

An Australasian delegation attended the World Road Congress in Durban, South Africa in October 2003. Austroads coordinated arrangements for the delegation and exhibition. New Australasian representatives were selected for the new technical committees of PIARC. Special effort has been given to strengthening the linkages between Austroads' work and its involvement with the PIARC technical committees. Austroads also continued to support the operation of PIARC through the secondment of an officer from a member organisation to the PIARC secretariat in Paris.

In addition to involvement with PIARC, during 2003/04 Austroads entered into agreements with the American Association of Motor Vehicle Administrators and the Transportation Association of Canada. An agreement was established with the American Association of State Highway and Transport Officials in 2002/03. Austroads also continues to provide secretariat support to the Australian Chapter of the Road Engineering Association of Asia and Australasia.

Work program

2003/04 saw the continuation of the trend to reduce the overall number of projects in favour of concentrating on a smaller number of larger, strategically important projects. During 2002/03 there were 212 projects undertaken. In 2003/04 there were 156 projects undertaken. During 2003/04 71 projects were completed, six were cancelled, abandoned or deferred, leaving 79 projects which will carry over to 2004/05. There will be 50 new projects in 2004/05 making a total of 129. Details of projects are available from the Austroads website: www.austroads.com.au. The program reports that follow also provide details of the work undertaken by each program during 2003/04.

End of year project status:

	Previous programs	Assets	Freight	Network	R&L	Safety	Technology	Corporate	Total
Complete	46	5		1		8	7	4	71
Cancelled/ Abandoned	3					2			5
Deferred						1			1
Active		16	8	3	4	17	25	6	79
TOTAL APPROVED	49	21	8	4	4	28	32	10	156

overview

Highlights from 2003/04

◆ **Assessing Fitness to Drive**

New guidelines were produced integrating the previous National Road Transport Commission's Medical Examinations of Commercial Vehicle Drivers (1997) and Austroads' Assessing Fitness to Drive (2001) for private vehicle drivers. Copies were distributed to over 65,000 health professionals throughout Australia.

◆ **Rural Road Design**

The eighth edition of the guidelines was produced. It aims to assist practitioners on the standards that can be achieved within social, environmental, economic and other constraints using best local and overseas practice in designing rural roads. It remains as one of the "best sellers" of Austroads publications.

◆ **NEVDIS new contract**

The transition of NEVDIS to Fujitsu Australia Limited was successfully completed on 23 August 2003, slightly ahead of schedule. The new contract provides significant savings to participating organisations.

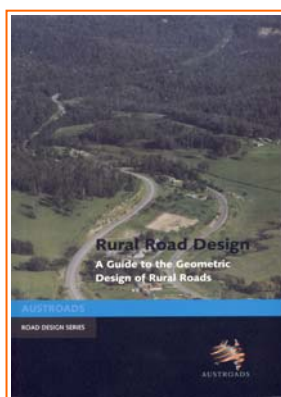
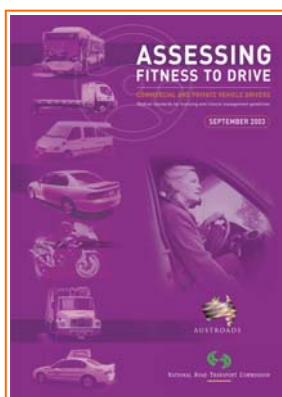
◆ **IAP**

The implementation of Stage 1 is on schedule and due for completion in the next financial year. It comprises four sub-project components as follows:

- ◆ Technology and Standards
- ◆ Certification and Auditing
- ◆ Regulatory
- ◆ Communications and Stakeholder Relationships.

◆ **Austroads website**

The new redesigned website to improve dissemination and communication was launched in June 2004. The new website contains latest news, events, publications and general information about Austroads. The website has a new look, search engine and improved navigability.



Membership

Member Organisations	Directors (as at 30 June 2004)
Roads and Traffic Authority New South Wales	Paul Forward — Chief Executive
Roads Corporation Victoria (VicRoads)	David Anderson — Chief Executive
Department of Main Roads Queensland	Stephen Golding AM RFD — Director-General
Main Roads Western Australia	Menno Henneveld — Commissioner
Department of Transport and Urban Planning South Australia	Flett Steele — Director, Commercial and External Relations
Department of Infrastructure, Energy and Resources Tasmania	Peter Douglas — General Manager, Roads and Public Transport
Department of Infrastructure, Planning and Environment Northern Territory	Richard Galton — Executive Director, Transport & Infrastructure
ACT City Services Department of Urban Services	Hamish McNulty — Executive Director, City Management
Commonwealth Department of Transport and Regional Services	John Doherty — First Assistant Secretary, Transport and Local Government Programmes
Transit New Zealand	Rick van Barneveld — Chief Executive
Australian Local Government Association	Ian Chalmers — Chief Executive

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

National Office	Staff
Executive Director	Murray Kidnie
Manager, Program Support	David Francis
Communications Manager	Jeremy Hyman
Office Manager	Judi Sorbie
Finance Officer	Jeannie Sanoo
Administrative Assistant	Jenny Castle

Structure and programs

Governance

Austroads is governed by a Council consisting of the chief executive (or alternative senior executive officer) from each member organisation. The Council meets three times a year. During 2003/04 the Council met in November 2003, March and June 2004. The Austroads national office provides secretariat support to the Council.

Operational model

Austroads' operations are heavily dependent on the utilisation of staff and other resources of 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.

There is a small national office based in Sydney which, as well as providing a secretariat to the Council, provides coordination and support to programs and manages the production, distribution and promotion of Austroads' outputs.

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. A new program structure was adopted to take effect from March 2004 as a consequence of the development of the new strategic plan. The new program structure has six programs; five of the programs align with the strategic research priorities identified in the new strategic plan, namely asset management, freight, network management, registration and licensing and road safety. The sixth program, Technology, covers the production of guides in those areas not covered by other programs. Details of the program structure that applied prior to March 2004 can be found in the Austroads Annual Report for 2002/03. The new programs took over responsibility for continuing projects from the previous programs.

The new programs, their objectives and the designated program manager and their organisation applying from March 2004 are as follows:

Program	Objective	Program Manager	Organisation
Assets	Minimising whole of life cost of road assets	Gary Norwell	MR WA
Freight	Addressing the future freight task	Sean Kennedy	RTA NSW
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	David Rolland	DIPE NT
Safety	Improving road safety	Andrew Hearn	LTSA NZ
Technology	Promoting improved practice in technology	Peter Balfe	VicRoads

structure and programs

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.

Jurisdictional forums

An important aspect of Austroads' operation is the facilitation of cross-jurisdictional forums, with representatives of member organisations or the responsible organisation in the jurisdiction to promote a collaborative approach to Austroads work and to draw on the expertise of the staff of various organisations. These forums also provide a valuable opportunity for the participants to share information and knowledge. The principal jurisdictional forums until December 2003 were known as reference groups. The reference groups were disbanded as part of the development of the new strategic plan. They were replaced by task forces and review panels. Details of the reference groups can be found in the Austroads Annual Report 2002/03. The membership, as at 30 June 2004, of each task force and review panel is shown later in this report.

Task forces

A task force has been established for each of the five programs aligned with a strategic priority. The role of each task force is to:

- ◆ develop the identified areas of interest into a program of research to be undertaken over the three financial years 2004/05 to 2006/07
- ◆ 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 made up of senior staff from the relevant area of member organisations. In general, the membership is limited to representatives of member organisations except in the case of road safety and registration and licensing, 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. The task forces will operate for the duration of the strategic plan.

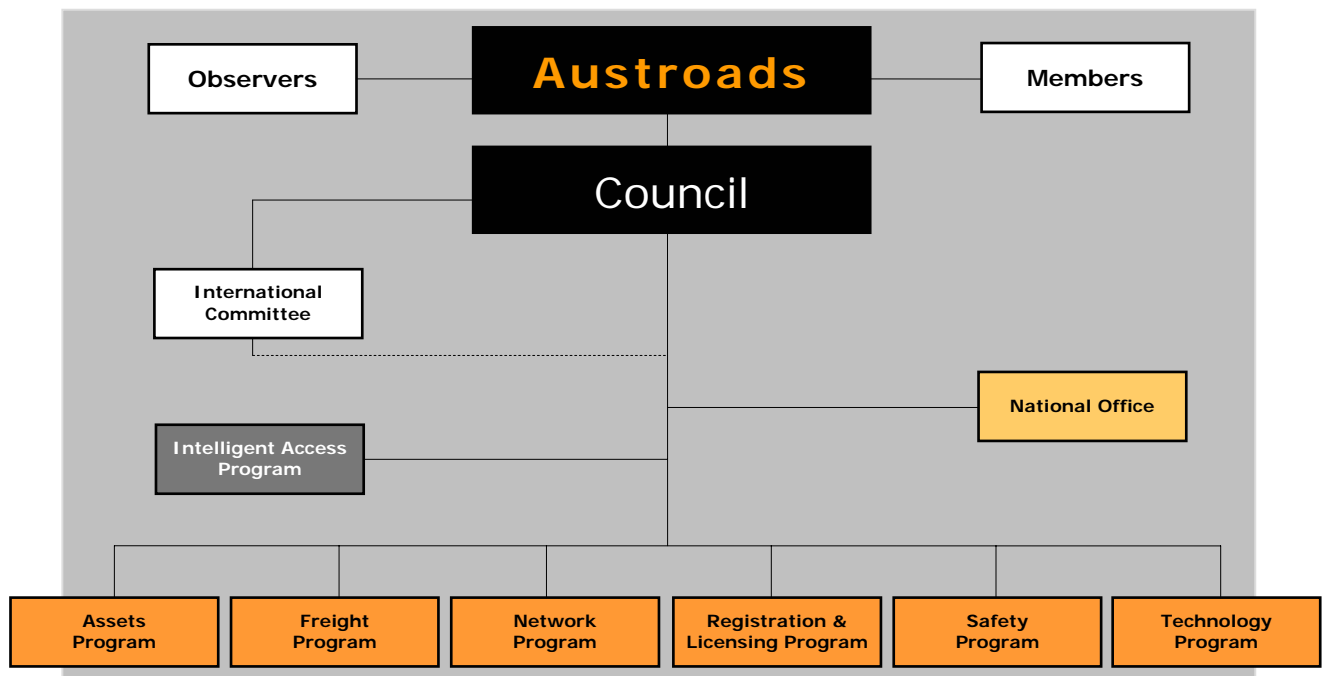
structure and programs

Review panels

Review panels oversight the development of each publication series. In the case of road safety and asset management 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.

Intelligent Access Program

In addition to the six program areas there is an Intelligent Access Program (IAP) dealing with the application of vehicle telematics to monitor compliance. The IAP is managed by a steering committee chaired by a Council member who reports to the Austroads Council. It links in with relevant program areas operationally.



Assets



Program Manager

Gary Norwell

Executive Director — Technology & Environment

Main Roads Western Australia

Program Support

Kathy Martin

Asset Management Planning and Policy Manager

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.

Program overview

The Assets program was initiated in March 2004 when programs were restructured to align with the draft Strategic Plan 2004–2007. The Assets program is to focus on the following three key themes identified in the Austroads Strategic Plan 2004–2007:

- ◆ Optimal Levels of Service
- ◆ Road User Requirements
- ◆ Monitoring and Performance Reporting.

These three key themes have been developed into ten detailed project proposals for research.

An Assets task force comprising senior staff from the relevant areas of member organisations has been established to assist in the development of project proposals, undertake project management and conduct technology transfer activities.

The Assets strategic research program incorporates a number of ongoing projects from the former Technology & Environment program and also extends to finalising a number of remaining Business Systems projects.

An additional major responsibility for the Assets program is to develop the Asset Management publications series. Members of the Assets task force will undertake the review panel role in relation to the Asset Management publications series.

The Assets program has taken over the responsibility for the completion of a number of unfinished technology and environment and business systems projects, and the continuation of several long term projects.

2003/04 Achievements

Research and publications

The Technology and Environment program managed by Ian Reeves of DMR Qld continued to manage an extensive program of research which included significant projects on performance of existing road infrastructure, impacts of heavy vehicles on the road infrastructure and long term performance monitoring of pavements. Completed projects included:

assets

- ◆ Guidelines for Ensuring Specified Quality Performance in Bridge Construction
- ◆ Development of Models to Predict and Extend the Service Lives of Concrete Bridges
- ◆ Revision of Guide to Traffic Engineering Practice Part 12 – Roadway Lighting
- ◆ Strategy for Design of Roads and Roadsides
- ◆ Revision of NAASRA Pavement Materials Parts 1 to 5
- ◆ Impact of New Heavy Vehicles on Pavement Wear and Surfacing
- ◆ Performance Based Specifications for Unbound Pavement Materials
- ◆ Austroads Sprayed Sealing Guide
- ◆ Guidelines and Specification for Bituminous Slurry Surfacing
- ◆ Identify and Prioritise Significant and Strategic Environmental Issues for Road Authorities
- ◆ Evaluation and Identification of Areas for Improvement of Air Quality Models as used by Road Agencies.

During 2003/04, business systems research and development effort continued on a range of asset management, road user effects and performance measurement topics under the direction of program manager Phil Ladner of MR WA. Completed projects included:

- ◆ Pavement Strength in Network Analysis of Sealed Granular Roads
- ◆ Post Evaluation of Maintenance Treatments
- ◆ Valuing Environment and Other Externalities
- ◆ Improved Method for Estimating Australian Unit Costs for Road Project Evaluation
- ◆ Intermodal Issues in Relation to Road User Costs
- ◆ Remaining Life of Road Infrastructure Assets
- ◆ Update of Input Values for Road User Costs Models 2002.

In response to Council's identification of strategic research priorities, a significant achievement for 2003/04 was the establishment of the Assets program to address the key research priority of minimising the whole of life cost of road assets. Another significant achievement was the development of a framework for the Austroads Asset Management publication series.

Technology Transfer

Reference groups under the Business Systems and Technology and Environment programs conducted workshops and technology transfer seminars during 2003/04, as follows:

- ◆ Structures – workshop in April 2003 (Adelaide), seminar in December 2003 (Perth) and 5th Austroads Bridge Conference in May 2004 (Hobart). The conference provided a stimulating forum for the discussion of issues relating to road and rail bridges in the areas of asset management, design, construction, materials, current research and project management.
- ◆ Pavements, Environmental and Asset Management – seminar on a variety of road asset management topics in April 2003 (Adelaide).
- ◆ Road Design – seminars in July 2003 (Darwin), June 2003 (Sydney and Melbourne), December 2003 (Perth) and February 2004 (Adelaide).
- ◆ Pavements – seminar in July 2003 (Darwin).
- ◆ Asset Management – workshop in November 2003 on Road Inventory and Condition Data for Network Purposes (Melbourne).

assets

Austroads continues to collate and publish on the Austroads website, a series of 72 indicators for the road system and road authorities known as National Performance Indicators. During 2003/04 Austroads commenced a review of the National Performance Indicators. The review process will continue in 2004/05.

Future directions

The focus for the Assets program over the next three years is to initiate and substantially complete a program of research on the key priority areas of Optimal Level of Service, Road User Requirements, Monitoring Performance and Reporting and to develop a range of documents for inclusion in the Asset Management publications series.

The framework for the Asset Management publications series has been developed on the basis of the Austroads Asset Management Planning Process and in close liaison with the Technology program. It comprises:

- Part 1 Introduction to Asset Management Series (peak document)
- Part 2 Stakeholder/Community Requirements
- Part 3 Asset Strategies
- Part 4 Program Development and Implementation
- Part 5 Asset Performance and Evaluation.

The work that has been proposed under the Assets research program will deliver input for guidelines that will comprise integral parts of the Asset Management publications series. Work will be structured under the following research headings:

- ◆ Impact of Heavy Vehicles on Road Infrastructure
- ◆ Asset Behaviour and Deterioration – Underperformance
- ◆ Asset Behaviour and Deterioration – Long Term Performance of Road Assets
- ◆ Customer Expectations and Willingness to Pay
- ◆ Asset Replacement, Rehabilitation and Maintenance Treatments
- ◆ Intervention Standards and Cost Models
- ◆ Maintenance Techniques to Reduce Social and Environmental Impacts
- ◆ Communicating Strategic Decisions to Stakeholders
- ◆ Standardised Measurement of Road Condition
- ◆ Traffic Data-Harmonisation of Collection, Reporting and Access.

Freight

Program Manager

Sean Kennedy

**General Manager, Heavy Vehicle Reform and Compliance
Roads and Traffic Authority New South Wales**



Program Support

Belinda Padovan

Program Executive, Freight

Assist road and transport agencies in their efforts to address the future freight task.

Program overview

The Freight program was initiated in March 2004 when programs were restructured to align with the draft Strategic Plan 2004–2007. It will focus on the following streams of work:

- ◆ Community Attitudes
- ◆ Network Utilisation
- ◆ Infrastructure Investment
- ◆ Data and Forecasting
- ◆ Contributing to a National Approach to Regulation and Compliance.

The program assumed responsibility for some of the projects of the previous Road Use Management (RUM) program. The RUM program started the 2003/04 financial year with 21 projects, of which eight were completed by the end of 2003.

The RUM reference groups provided an effective forum for discussion and debate of inter-jurisdictional issues in relation to heavy vehicles, registration and licensing and traffic management. While the Freight task force has adopted the issues arising in the heavy vehicle group; registration and licensing issues are now covered in the Registration and Licensing program, and traffic management issues are handled by the Technology program.

The Freight program has eight carryover projects from the RUM program, and four new strategic research projects for the 2004/05 financial year.

The Freight task force was established to provide a forum for the exchange of information on addressing the freight task between Austroads member and related organisations. In addition, the task force will develop, in conjunction with the National Transport Commission (NTC), nationally consistent administrative compliance and enforcement guidelines, measures of compliance, and a national compliance strategy for heavy vehicles.

2003/04 Achievements

The achievements of the RUM program in the first half of the 2003/04 financial year included:

- ◆ the completion of five compliance and enforcement guideline projects
- ◆ the transition of NEVDIS to Fujitsu Australia Limited from IBM GSA

freight

- ◆ significant progress with the Guide to Traffic Engineering Series (GTEP) projects.

Compliance and Enforcement

The Freight program has focused on progressing the series of compliance and enforcement projects. These projects aim to provide national best practice guidelines to support the Compliance and Enforcement Bill and its implementation in each jurisdiction. The Compliance and Enforcement Bill introduces the concepts of chain of responsibility and the risk based categorisation of mass dimension and load restraint breaches into the regulation of heavy vehicles.

The following compliance and enforcement projects were completed in the 2003/04 year:

- ◆ Mass Guidelines
- ◆ Implementation Strategy Guidelines
- ◆ Guidelines for the Physical Measurement of Dimensions (awaiting endorsement)
- ◆ Research into Impacts of Technological Improvements to Heavy Vehicle Design with Respect to Safety & Compliance
- ◆ Research into Best Practice for Performance Management of Compliance and Enforcement Activities.

Future directions

The Freight program will be undertaking work on the following streams in the 2004/05 financial year:

- ◆ Community attitudes
 - ◇ Community Attitudes to Road Freight Vehicles – Behavioural Research
- ◆ Network utilisation
 - ◇ Environmental Standards for Night-Time Operations
 - ◇ Guidelines for Identifying, Assessing and Managing the Environmental Impacts Arising from Trucks Using Metropolitan Road Links
- ◆ Data and forecasting
 - ◇ Review of Freight Data Collection and Generation Procedures and Opportunities (Scoping Project)
- ◆ Regulation, Compliance and Enforcement.

The national approach to regulation, compliance and enforcement will continue to be a major area of interest for road agencies. The continuing compliance and enforcement projects will be a priority area for the Freight program in the 2004/07 period.

The Freight program is committed to the on-time delivery of all current and future projects, and recognises the need for additional resources to be assigned to strategic projects identified by Austroads' Council, the SCOT and the ATC.

Network

Program Manager

Dennis Walsh
Director (Network Operations and Performance)
Department of Main Roads Queensland



Program Support

Philip Rankine
Principal Advisor (Austroads)

To assist road and transport agencies in their efforts to optimise utilisation of the road network.

Program overview

The Network program was initiated in March 2004, when programs were restructured to align with the draft Strategic Plan 2004–2007. From March to June 2004, the program’s responsibilities were to:

- ◆ establish a task force and develop a proposed work program for 2004–2007 in line with the draft Strategic Plan
- ◆ manage two projects transferred from the closed Road Use Management program and one project transferred from the closed Technology & Environment program
- ◆ undertake the “National Cycling Strategy” project, referred by the SCOT and approved by Council in March 2004 for immediate commencement.

In June 2004, Council approved the proposed strategic research direction for 2004–2007 and work program for 2004/05. Project teams were established and development of contract briefs commenced for all approved new projects to enable early commencement in 2004/05.

2003/04 Achievements

Network program

The Network task force, including representatives from all Austroads member authorities, the National Transport Commission and ARRB Transport Research was established to support the program manager. Terms of Reference for the task force were approved by Council in March 2004. The task force will use the Australian Bicycle Council as a forum for engagement with stakeholders related to cycling.

In developing a proposed work program of strategic research projects for the period 2004–2007, the program took direction from the draft Austroads Strategic Plan 2004–2007. In March 2004, Council endorsed the program’s proposed three-year work program and in June 2004, approved the work program for 2004/05. Projects for 2004/05 are outlined in “Future Directions”.

The project “Evaluation and Identification of Areas for Improvement of Air Quality Models as used by Road Authorities”, which transferred from the Technology & Environment program was completed in April 2004 with the publishing of a research report “Review of Air Quality Models for Roads” (AP-R249/04).

Work on the projects transferred from the Road Use Management program — “Bus and Bicycle Interaction with the Road Network” and “Use of Temporal Spare Capacity on Metropolitan Networks”, is proceeding.

network

A project team for the “National Cycling Strategy” project was established and a contract brief developed. A contract will be awarded in September 2004.

Australian Bicycle Council

The Australian Bicycle Council (ABC) provides a forum for Austroads’ engagement with stakeholders on matters related to cycling. During 2003/04 the ABC continued to implement strategies from “Australia Cycling: The National Strategy 1999-2004” and progressed a number of projects, including the Austroads funded project “Bus and Bicycle Interaction with the Road Network”.

In addition, the ABC commenced management of the project approved by Council in March 2004 to develop the 2004–2007 National Cycling Strategy and provided input to reviews of the Austroads “Guide to Traffic Engineering Practice” series and other relevant publications.

Future directions

Strategic research

Over the next 3 years, the program will focus its research on the following streams:

- ◆ Operational performance
 - ◇ Identify 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 (ITS) to optimise traffic performance (push the boundaries of ITS)
 - ◇ Investigate analytical tools used to evaluate the performance of the network
 - ◇ Identify and share 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 program will maintain linkages with the Intelligent Access Program (IAP) and will assist in the implementation of national approaches to heavy vehicle management.

Registration & Licensing



Program Manager

David Rolland

Senior Director, Road User Division

Department of Infrastructure, Planning & Environment Northern Territory

Program Support

Alex Rae

Manager National Reform

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.

Program overview

The Registration and Licensing program and task force were initiated in March 2004 when programs were restructured to align with the draft Strategic Plan 2004–2007. The task force expands the role of the Registration and Licensing reference group that was part of the previous Road Use Management program.

The Registration and Licensing work program reflects the priorities and direction of Council in relation to information and data management and the promotion of national consistency in standards and protocols as identified in the Austroads Strategic Plan 2004–2007.

Considerable progress was made in the second half of 2003 on the guidelines to support the Compliance and Enforcement Bill developed by the NTC and agreed by the ATC as reported in the Freight program.

Considerable progress was also made in the future development and enhancement of the National Exchange of Vehicle and Driver Information System (NEVDIS) which enables certain classes of driver licensing, vehicle registration and similar records, held by each participating state and territory transport vehicle registration and driver licensing authorities to be provided, shared and exchanged by the participants, thereby combating vehicle theft, re-birthing and fraudulent driver licensing. Australian states and territories continue to establish links with NEVDIS. The transition of NEVDIS to Fujitsu Australia Limited from IBM GSA was successfully implemented on 23 August 2003.

The task force continued the earlier important work of the reference group to liaise with and recognise countries with equivalent driver licensing standards and procedures to Australia and New Zealand. Further information on the countries whose licences are recognised can be found using the link from the Austroads website at <http://www.austroads.com.au/overseas.html>

2003/04 Achievements

Since NEVDIS software became available in August 1998 each jurisdiction's driver licence and vehicle registration databases have been progressively linking to NEVDIS.

- ◆ Vehicle Registration – all jurisdictions except ACT and Tasmania are on-line. Tasmania anticipates coming on-line in early 2005. ACT has enquiry access and completed their data load and connection in June 2004.
- ◆ Driver Licensing – all jurisdictions except ACT and Tasmania are on-line. Tasmania anticipates coming on-line in early 2005. ACT has enquiry access and completed their data load and connection in June 2004.

registration & licensing

- ◆ Police National Stolen Vehicle Data – all jurisdictions are on-line.
- ◆ The transition of NEVDIS to Fujitsu Australia Limited from IBM GSA was successfully completed. Further work implementing system enhancements deferred during the previous IBM GSA contract is progressing satisfactorily.

Two successful workshops were held in November 2003 and April 2004, to address and progress the project Innovation and Application of New Technologies in the Registration and Licensing Business. Two project teams have been established to progress the driver licensing and registration components of the project. The project teams have been tasked with developing a strategic policy framework to achieve national harmonisation of driver licence and vehicle registration policies, processes and standards.

Significant progress has been made on a project concerning a review of Administrative Arrangements for the Exchange of Demerit Points. It is anticipated that the report and recommendations will be forwarded for ATC consideration in the first half of 2005.

Future directions

The specific projects within the program are aimed at resolving information and data management problems and ensuring nationally consistent standards, protocols and outcomes in the delivery of registration and licensing services to clients. The Registration and Licensing task force also plays an important role in considering and approving on a collegiate basis, applications from overseas countries seeking recognition of their driver licences in Australia.

The Registration and Licensing task force has agreed on a small number of significant projects linked to the strategic plan that have the potential to provide significant economic and safety benefits to the country through the adoption and implementation of nationally consistent technology, standards and protocols for licensing of drivers and registration of vehicles.

The role of NEVDIS in the reduction of vehicle theft in Australia is already acknowledged and further enhancements have the potential to deliver additional benefits in this area. In 2004/05 the task force will continue to work closely with the National Motor Vehicle Theft Reduction Council to improve and introduce enhancements to reduce vehicle theft.

Five strategic projects have been identified for the period 2004/07:

- ◆ Closing Loopholes Concerning Transfer of Licence Sanctions
 - ◇ to remove any existing loopholes that would allow a driver to avoid licence sanctions by transferring a licence to another jurisdiction
- ◆ Review of Compliance with Participation Agreement and NEVDIS requirements including privacy
 - ◇ to review jurisdictions privacy obligations and develop a framework for NEVDIS that addresses the obligations on a national basis
- ◆ Uniform Set of National Enrolment Standards (Client) Including Non Standard Evidence of Identity
 - ◇ to develop a nationally consistent set of client enrolment standards for vehicle and licensing customers; including those with non-standard evidence of identity
- ◆ Cleanse Data to Improve Accuracy of Client and Vehicle Information
 - ◇ development of a toolkit to assist jurisdictions' in auditing their databases to determine the level of accuracy and to recommend mechanisms to cleanse existing data
- ◆ National Uniform Set of Vehicle Entry Standards
 - ◇ to develop nationally uniform protocols for the entry of vehicles onto vehicle registers.

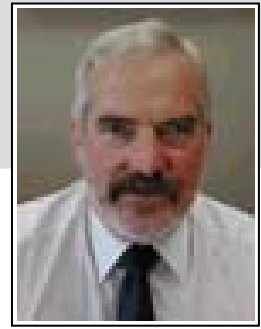
Safety

Program Manager

Andrew Hearn

General Manager – Strategy

Land Transport Safety Authority, New Zealand



Program Support

Bill Frith

Manager, Research and Statistics

To assist road and transport agencies in their efforts to improve road safety.

Program overview

The Safety program was initiated in March 2004 when programs were restructured to align with the draft Strategic Plan 2004–2007. Projects from the previous Road Safety program were transferred to the new Safety program. A new Safety task force was set up early in 2004. The task force met twice during the year to consider current projects and contribute to the development of a strategic research program for 2004/07. The task force also acts as the review panel for the new Austroads road safety publications series and will work closely with the National Road Safety Strategy Panel.

No new road safety projects were approved for funding through the previous Road Safety program in 2003/04. The primary focus was the second stage development of the Road Safety Risk Manager project. Efforts also continued to complete overdue projects. During the year, 13 projects were completed, two were abandoned, one was transferred to the Intelligent Access Program, and one was deferred, reducing the total number of continuing projects to 19 by the end of the year. Several of these projects are due to be completed in the first few months of 2004/05. A small number of substantial projects were developed to commence in 2004/05.

2003/04 Achievements

Guidelines for Assessing Fitness to Drive:

These Guidelines are an integration of the National Road Transport Commission's Medical Examinations of Commercial Vehicle Drivers (1997) and Austroads' Assessing Fitness to Drive (2001) for private vehicle drivers. The Guidelines were printed in August 2003 and over 65,000 copies were distributed to general practitioners, medical specialists, health professionals, hospitals and other medical staff throughout Australia. Driver licensing authorities also received copies for their use and for future demand within their jurisdiction. A substantial media campaign was undertaken to ensure wide and simultaneous coverage of the new guidelines through the medical community.

An Assessing Fitness to Drive website was launched to coincide with the book distribution and forms part of the main Austroads site. Also accessible through the website is an on-line tutorial application for doctors featuring interactive question-and-answer case studies.

safety

Road Safety Risk Manager:

The Road Safety Risk Manager is a software tool developed by ARRB Transport Research which helps practitioners assess, manage, prioritise and track the status of road safety issues on the road network.

The second stage of work to improve and update the Road Safety Risk Manager software was completed during 2003/04. The research focused on developing crash rates and crash-type rates across a wide range of road and intersection categories.



Future directions

The strategic priority for the next three years will be:

Safe system – framework for action

The key elements underlying this strategic priority have been identified as:

- ◆ Road Risk Assessment, Treatment and Standards
- ◆ Driver Licensing
- ◆ Safer Vehicles.

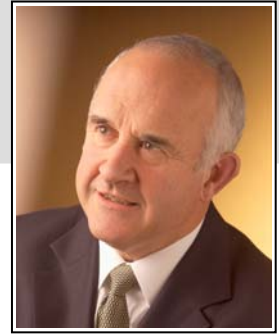
A number of areas of strategic research have been identified and are proposed to be undertaken over the period 2004/07. These research areas include the following:

- ◆ Road Safety Risk Assessment
- ◆ Harm Reduction and Mobility in Setting Speed Limits
- ◆ Safer Vehicle Purchases for Fleet Managers
- ◆ Safety Practices of Commercial Vehicle Purchasers
- ◆ Australasian Road Safety Handbook
- ◆ Road Safety Engineering Tool Kit
- ◆ Heavy Vehicles and the Road System
- ◆ Crash Reporting/Analysis
- ◆ Speed Management
- ◆ Entry Into/Exit from the Licensing System
- ◆ Older Driver Model Assessment Program.

Technology

Program Manager

Peter Balfe
Deputy Chief Executive
VicRoads



Program Support

Kristina Sikich
Austroads Program Executive

To promote improved practice in technology.

Program overview

The Technology program was initiated in March 2004 when programs were restructured to align with the draft Strategic Plan 2004–2007. Where the other programs align with the new strategic research priorities of the Strategic Plan, the focus of the Technology program is different. Over the next four years, the Technology program will be responsible for the development and maintenance of a more accessible and useable library of publications within the following seven of Austroads' nine new publications series:

- ◆ Bridge technology
- ◆ Pavement technology
- ◆ Project delivery
- ◆ Project evaluation
- ◆ Road design
- ◆ Traffic management
- ◆ Transport planning.

To support the development of these series, review panels have been established, comprising a senior representative from each Austroads member organisation. Review panels are tasked with advising on the scope, structure and broad content of each publication and identifying development priorities. Publications in the other two series, Asset Management and Road Safety will be the responsibility of those programs.

In addition to the publications series, the Technology program will oversee several major technical research projects in the areas of surfacings and pavements.

The Technology program is also responsible for a large number of ongoing projects, inherited from the former Publications, Technology & Environment, Road System Management and Business Systems programs.

2003/04 Achievements

In 2003/04, the Road System Management (RSM) program completed five projects:

- ◆ A Review of Current Practice for Industry Contributions to Local Road Costs
- ◆ Effects of Climate Change on the Long Term Provision of Road Infrastructure
- ◆ A Review of Telecommunications in Road Reserves

technology

- ◆ Urban Freight Forecasting and Analysis
- ◆ Planning for Safety.

In addition to these projects, the RSM program convened a national workshop on Urban Transport Modelling and Urban Freight Forecasting and Analysis in conjunction with ARRB Transport Research and the Bureau of Transport and Regional Economics on 11 September 2003 in Sydney. The workshop was attended by 45 representatives of Austroads member organisations, transport agencies and transport specialists; and involved presentations by 16 experts and practitioners. Attendees discussed the following key issues for transport modelling policy in Australia:

- ◆ Development of models (need for advances to support policy and decision-making e.g. multi-modal investment decisions etc)
- ◆ Data processes (generation, collection, compilation and analysis)
- ◆ Expertise in transport agencies and the modelling industry
- ◆ Ownership of models and data.

A summary of outcomes was presented to Austroads Council members for consideration in the development of the 2004–2007 Austroads Strategic Plan.

Publications development principles

Subsequent to review panel discussions, the Technology program developed publications development principles which clearly state Council members' commitment to adopt the new publications as national guides, and outlines the protocol for development of publications.

The Technology program has already completed a number of projects:

- ◆ The Guide to Project Evaluation Series Volumes 2, 3 and 4. These three guides will become the first Austroads guides to be published electronically
- ◆ Revision of the Guide to Traffic Engineering Practice Part 10 – Local Area Traffic Management
- ◆ Austroads Pavement Design Guide and Austroads Pavement Rehabilitation Guide
- ◆ Environmental Management and Environmental Management Tools for Road Maintenance Contracts
- ◆ Design for Older Drivers
- ◆ Investigation of the Relationship between Shoulder Widths and Crashes on Dual Carriageway Roads.

Future directions

In the 2004/05, the Technology program is scheduled to develop and publish a number of parts for each of the following new publication series:

- ◆ Bridge Technology
 - ◇ Part 1: Overview of Bridge Technology Series
 - ◇ Part 3: Bridge Design Procurement
- ◆ Pavement Technology
 - ◇ Part 1: Introduction to Pavement Technology
 - ◇ Part 4: Pavement Materials
 - ◇ Part 5: Project Level Pavement Management

technology

- ◆ Project Delivery
 - ◇ Part 2: Project Delivery Considerations
 - ◇ Part 6: Project Delivery Competencies
- ◆ Project Evaluation
 - ◇ All remaining five parts
- ◆ Road Design
 - ◇ Part 1: Introduction to Road Design
 - ◇ Part 2: Design Inputs
- ◆ Traffic Management
 - ◇ Part 5: Road Management
 - ◇ Part 6: Intersections, Interchanges and Rail Crossings.

Additionally, the Technology program will focus on finalising all continuing projects, establish the structure of the new transport planning series and manage the new Austroads technical research program in the areas of surfacings and pavement.

Intelligent Access Program

National Manager
Chris Koniditsiotis
Austroads



Program overview

Intelligent Access is based on vehicle telematics capability, enabling heavy vehicle compliance to be monitored via the tracking of vehicle location and reporting of associated parameters. It provides a third generation of access to the road network, by complementing general access (first generation) and restricted access (second generation) with “Intelligent Access”.

On 23 May 2003, the ATC endorsed the results and recommendations of the project that assessed the feasibility of the Intelligent Access Program (IAP). A steering committee was established drawn from Austroads Australian member organisations, Queensland Transport and the National Transport Commission. The IAP is being implemented in a risk managed staged approach. The first stage of implementation commenced in July 2003 and is on schedule to be completed by December 2004.

Overview of the IAP

Vehicle telematics enable the provision of services to road transport operators that can monitor the compliance of vehicles with respect to access conditions set by jurisdictions. This ability to accurately monitor compliance provides an opportunity for a new set of opportunities for both jurisdictions and transport operators to optimise performance of their business in terms of both its efficiency and safety, and also maximise the performance of the road infrastructure.

The key stakeholders in the IAP operating model are (Figure 1):

- ◆ IAP service providers – telematics companies providing the certified vehicle monitoring service
- ◆ Jurisdictions – road and transport agencies establishing schemes/permits/applications with an IAP compliance solution
- ◆ IAP Certification and Auditing Group (IAP-C&AG) – the proposed public company to be established by jurisdictions that certify and audit IAP service providers
- ◆ Road transport operators – operators who will voluntarily enter schemes/permits/applications with an IAP compliance solution
- ◆ IAP auditors – companies who will audit IAP service providers on behalf of the IAP-C&AG.

Road transport operator involvement in the IAP will be voluntary. Vehicle monitoring will be a condition that transport operators must fulfil in return for membership to a scheme, permit or application that delivers improved access to the road network. Access conditions (to be known as Intelligent Access Conditions – IACs) will be negotiated by the relevant jurisdiction.

The road transport operators must use an IAP service provider, who has been certified by the IAP-C&AG. The IAP-C&AG will manage the Certification and Auditing regime using IAP auditors.

intelligent access program

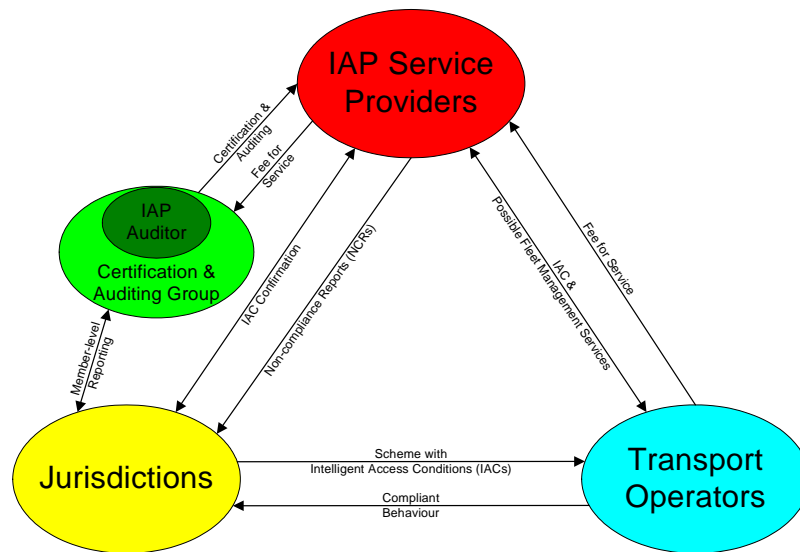


Figure 1 - IAP Operating Model

IAP service providers who have been certified and audited by the IAP-C&AG will be engaged by road transport operators to monitor their vehicles against the set IACs. If a scheme or permit condition that is subject to monitoring by the IAP service provider (i.e. IAC) is not adhered to, then a Non-Compliance Report (NCR) would be sent by the IAP service provider to the relevant jurisdiction for actioning.

Objective of IAP Stage 1

The objective of the Stage 1 implementation of the IAP is the first stage roll out of a voluntary program that will remotely monitor heavy vehicles to ensure they are complying with their agreed operating conditions, that is ensuring they operate; how, where and when they should.

2003/04 Achievements

The Stage 1 Implementation of the IAP is on schedule and due for completion in the next financial year, however, it has had several achievements throughout the year and some that have been of particular note include (as a function of sub-project component):

- ◆ Technology and Standards
 - ◇ A report identifying and benchmarking technical specifications suitable to the IAP
 - ◇ Delivery and agreement on the common IAP data formats for communicating IACs and receiving NCRs from IAP service providers and the details for the provision of electronic maps
- ◆ Certification and Auditing
 - ◇ Development and dissemination of contracts/deeds of agreement and associated schedules between key IAP stakeholders
 - ◇ Acceptance in principle by Austroads Council members of the proposition that a body corporate be established under the Corporations Act as a stand alone entity to deliver the identified purpose and function of the IAP-C&AG

intelligent access program

- ◆ Regulatory
 - ◇ Development and issuing for formal drafting, instructions for the IAP specific part of the Compliance and Enforcement model legislation
 - ◇ Development and dissemination of the IAP Operational Guideline – Overview
- ◆ Communications and Stakeholder Relationships
 - ◇ Completion of the IAP communications plan
 - ◇ Development of the IAP specific web pages on the Austroads website.

Future directions

The IAP Stage 1 implementation is delivering the generic (cross jurisdictional) tools necessary for the IAP. The decision to incorporate these tools within their systems/processes will reside with individual jurisdictions. Additionally, the decision to adopt one scheme or permit using an IAP compliance solution over another (and the associated conditions of access) will reside with individual jurisdictions.

Whilst all have commenced, the IAP Stage 1 deliverables for the next financial year are:

- ◆ Finalisation of the detailed functional and technical specifications including the associated testing protocols for the IAP
- ◆ The overall certification and audit regime framework
- ◆ The IAP-C&AG Establishment Agreement and Constitution in-line with the jurisdictionally agreed detailed governance issues
- ◆ Finalisation of the IAP specific part of the Compliance and Enforcement Model Legislation, including the preparation of the associated Regulatory Impact Statement
- ◆ A report outlining the regulatory enablers for jurisdictions to facilitate the implementation of the IAP
- ◆ A series of IAP detailed operational guidelines
- ◆ A high level training program for jurisdictional implementation (train-the-trainer type)
- ◆ Ongoing communication and presentation of the IAP to key stakeholders
- ◆ A final report, documenting the status of Stage 1 implementation with respect to the deliverables and the necessary local level follow-up tasks.

International

International Committee Chairman

David Anderson
Chief Executive
VicRoads



Through its International Committee, Austroads seeks to play a coordinating role in relation to international involvement. This includes:

- ◆ managing Australia's involvement in the World Road Association (PIARC) and coordinating it with that of New Zealand
- ◆ acting as a link for member organisations to overseas road agencies and organisations
- ◆ co-ordinating Austroads' involvement with other international road organisations including the Road Engineering Association of Asia and Australasia.

World Road Association (PIARC)

Austroads' involvement in the World Road Association (PIARC) activities has been significant. The main activity during 2003/04 was the XXIIInd World Road Congress in Durban in October 2003. Austroads coordinated the involvement of the Australasian delegation which attended the Congress, and arranged and staffed an Australasian display as part of the Congress exhibition.

The World Road Association has a four year cycle for the work under its strategic plan. As part of the plan, technical committees are established with membership invited from member countries. The technical committees meet over four years of the plan and provide input from their countries. The Durban Congress saw the conclusion of the work of the technical committees which reported to the Congress. A restructure of PIARC technical committees was undertaken in conjunction with the introduction of a new PIARC strategic plan. New committees were determined in late 2003 to operate and undertake work within four strategic themes:

- ◆ Governance and Management of the Road System
- ◆ Sustainable Mobility
- ◆ Safety and Road Operations
- ◆ Quality of Road Infrastructure.

Austroads has representatives on 17 of the 19 new technical committees. Technical committee reports from representatives are now regularly posted on the Austroads website. A PIARC newsletter covering latest news, outputs and meetings from the Australian and New Zealand involvement is produced by Austroads and sent out three times a year.

Austroads also supports PIARC by arranging the secondment of a staff member from a member organisation to work with the PIARC secretariat in Paris. The first secondment was Kristina Sikich from VicRoads who worked in Paris from February 2003 to August 2003. Tegan Mitchell from RTA NSW commenced a secondment in February 2004 which will conclude in October 2004. A further secondment from Queensland Main Roads is planned to commence in November 2004. Austroads greatly appreciates the assistance of member organisations through their participation in these secondments.

international

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

REAAA is the Road Engineering Association of Asia and Australasia. The association, based in Kuala Lumpur, Malaysia promotes the science and practice of road engineering and related professions in the Asia Pacific region through the development of professional and commercial links within and between countries in the 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 Australians to consult with other 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, major road engineering activities, appointments and matters of interest.

Other International Involvement

Early in 2004 Austroads established a partnership agreement with the Transportation Association of Canada (TAC), a Canadian association and neutral forum that promotes the provision of safe, efficient, effective and environmentally and financially sustainable transportation services in support of Canada's social and economic goals, within Canada as a whole, focusing on roadways and their strategic linkages and inter-relationships with other components of the transportation system, and within urban areas, focusing primarily on the movement of people, goods and services and its relationship with land use patterns. The agreement provides for possible cooperative and collaborative research on topics of mutual interest.

The Austroads project "Improving Levels of Service to Specific Users, including Freight, Public Transport and Emergency Vehicles" proposed for commencement in 2005/06, may provide an opportunity for Austroads to undertake a significant joint project with TAC.

Austroads already had 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.

During 2003/04 an agreement was also 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.

During the year, the previously separate transport research activities of the Organisation of Economic Cooperation and Development (OECD) and the European Conference of Ministers of Transport (ECMT) were combined into the Joint Transport Research Centre (JTRC), managed by the Joint Transport Research Committee.

Eight members of task forces or review panels were nominated as corresponding members of OECD/ECMT project groups.

Corporate

Strategic Planning

As mentioned elsewhere in this report, Austroads adopted a new Strategic Plan in June 2004. The new plan covers the three year period from July 2004 to June 2007. It was developed through a consultative process which began in April 2003. A range of stakeholders were canvassed for feedback on questions including Austroads' purpose, its effectiveness, its priorities and how well it was doing. The feedback was incorporated into a discussion paper that formed the basis for a strategic planning workshop at which Austroads Council members determined the broad priorities for the next three years. Each of these broad strategic priorities was then considered in more detail by a task force comprising representatives from member organisations which reported back to the Austroads Council proposing several streams of work that should be undertaken. Following consideration by Council the agreed streams were then developed into a program of work to be undertaken.

As part of the process of developing the Strategic Plan the Council considered the delivery arrangements that were required to implement the plan. It was recognised that the structure should be aligned with the strategic priorities that had been identified. A new structure was developed and came into operation in March 2004. The new arrangements are reported in the Structure and Programs section earlier in this report.

Although the new plan formally came into operation from July 2004, the work program for 2004/05 was developed on the basis of the proposed new plan. A copy of the 2004–2007 Strategic Plan is available from the Austroads website at www.austroads.com.au

In addition to the work on the Strategic Plan, Austroads continued to work with the Australian Local Government Association and the Institute of Public Works Engineering Australia in accordance with the Austroads Local Government Partnership Agreement. This agreement seeks to improve communications between the various organisations and ensure that the management of local roads benefits from the knowledge, technology and research outputs from Austroads activities.

Website

In 2003/04, Austroads redesigned its website to improve the dissemination and communication of information to users. The new website contains latest news, events, publications and general information about Austroads. The website has a new look, search engine and improved navigability. The address of the website is www.austroads.com.au

Publications

Austroads has been progressively moving to an electronic format for the production and distribution of its publications. In 2002 research reports were made available for free electronic download from the Austroads website. Since that time there has been a substantial increase in the number of downloads. During 2004/05 the intention is to develop a new online publications facility to provide access to all Austroads publications in electronic format. Hardcopy publications will be available for purchase on demand.

This facility will include the new range of Austroads guides. New guides will be developed over the next few years in nine series to provide a comprehensive reference library covering the full range of road design, construction, maintenance and operation. The series are:

corporate

- ◆ Asset management
- ◆ Bridge technology
- ◆ Pavement technology
- ◆ Project delivery
- ◆ Project evaluation
- ◆ Road design
- ◆ Road safety
- ◆ Traffic management
- ◆ Transport planning.

During the year, a number of high quality guides and research reports were published and promoted. These are detailed in the Publications section of this report.

Newsletters

Austroads has continued to prepare a newsletter every two months for distribution online to about 3,000 subscribers, including all local councils in Australia. The newsletter is also accessible on the website and provides an effective way for Austroads to report on its activities and achievements and receives 30 – 40 new subscriptions every month.

Austroads also produces a PIARC newsletter three times a year and a newsletter twice a year for REAAA. A special local government newsletter is also produced twice a year for distribution to local councils. These newsletters are also available on the website, with the option to subscribe.

Staffing

The Austroads national office continues to operate with a small staff of six. In October 2003 Jason Day, the Communications Manager with Austroads national office resigned to travel overseas. Austroads greatly appreciated the contribution that Jason made during his five years with the national office. He was largely responsible for the look of Austroads through its publications and communications material. In October 2003 Jeremy Hyman was appointed to the position of Communications Manager. The remainder of the national office team remain unchanged.



Austroads National Office staff

Left to right:

Jeremy Hyman – Communications Manager
 Jeannie Sanoo – Finance Officer
 Murray Kidnie – Executive Director
 Judi Sorbie – Office Manager
 Jenny Castle – Administrative Assistant
 David Francis – Manager, Program Support

Austroads Awards 2003/04

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.

During 2003/04 a review was undertaken of Austroads awards. There are now five awards:

- ◆ **Achievement Award** recognises staff who have contributed to the successful completion of an Austroads project
- ◆ **Fellowship Award** recognises up to two persons each year based on applications from staff of member organisations to undertake some international study or research of immediate relevance to Austroads and its priorities as identified in the Austroads Strategic Plan
- ◆ **Outstanding Service Award** is awarded to up to two persons, each who have made an outstanding contribution to Austroads and its activities over a sustained period
- ◆ **Young Professionals Award** recognises young professionals within Austroads member organisations who have the potential to make a significant contribution to their own organisation and Austroads over a sustained period
- ◆ **Austroads Medal** is awarded for exceptional contributions to Austroads over an extended period.

Each award has a specific selection process and criteria.

Austroads Medal

The Austroads Medal is an ad hoc award presented to a person who has made an exceptional contribution to Austroads and the achievement of its mission over a extended period.

- ◆ **Mr Ray Wedgwood, Roads and Traffic Authority New South Wales**

In recognition of his outstanding leadership and highly valued contribution at a national level through Austroads, over a long and distinguished career, particularly in the following areas:

- ◆ Convenor of the Austroads Structures Technology Reference Group
- ◆ Chair of the Austroads Bridge Assessment Group, responsible for providing bridge-specific input into the 1995 Austroads/National Road Transport Commission Mass Limits Review
- ◆ Bridge engineering input to the Austroads/National Transport Commission Performance Based Standards project
- ◆ Project manager for development of the 1992 Australian Bridge Design Code, subsequent 1996 expansion, and release as a Standards Australia handbook
- ◆ Chairman of the Standards Australia Committee BD-090 to develop a revised Australian Standard for bridge design (AS 5100–2004).



*Ray Wedgwood and
Austroads Chairman,
Paul Forward*

A presentation was made to Ray at the Austroads Council meeting in Sydney in June 2004.

Austroads awards 2003/04

Achievement Awards

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 2003/04 they were awarded to:

◆ **Mr Fred Andrews-Phaedonos, VicRoads**

In recognition of his valuable contribution to Austroads through his effective management of the project "Concrete durability – Development of Models to Predict and Extend the Service Lives of Concrete Bridges".

◆ **Mr Chris Brooks, Australian Transport Safety Bureau**

In recognition of his significant contribution to Austroads through the servicing of the Research Co-ordination Advisory Group and the management of the Austroads projects on "Consistent Cost Estimates for Evaluations: Scoping Study" and "The Use of Accident Costing for Countermeasures Evaluation in Australia – Stage 2".

◆ **Ms Fiona Campbell, Australian Bicycle Council**

In recognition of her valuable contribution to the Australian Bicycle Council over many years, particularly through provision of information on all aspects of cycling and relevant road and transport legislation and research.

◆ **Mr Bruce Hansen, Brisbane City Council**

In recognition of his valuable contribution to Austroads through the Pavement Reference Group, his role as convenor of that group and his management of the project "Impact of New Heavy Vehicles on Pavement Wear and Surfacing".

◆ **Mr Tony King, Queensland Transport**

In recognition of his work on managing the successful completion of the ATC project on "Automatic Crash Notification Devices".

◆ **Ms Sharon MacDonnell, VicRoads**

In recognition of her significant contribution to Austroads objectives through her membership of the Environment Reference Group and extremely efficient and effective management of the project "Identification and Prioritisation of the Significant and Strategic Issues Facing Road Agencies".

◆ **Mr Keith Wheatley, National Transport Commission**

In recognition of his work on managing the successful completion of the Austroads projects on "Truck Crashes by Industry Sector", and the status report on "Light Commercial Vehicle Safety and Safety Impacts of Changes in Truck Use".

Task Force & Review Panel Members

Assets Task Force/Review Panel

Norwell, Gary (Chair)	Main Roads Western Australia (Program Manager, Assets)
Andrews, Margy	Department of Transport and Urban Planning South Australia
Binning, Neville	Main Roads Western Australia
Bushby, Michael	Roads and Traffic Authority New South Wales
Clarke, Geoff	Commonwealth Department of Transport and Regional Services
Hickson, Ian	Department of Urban Services Australian Capital Territory
Hoffman, Greg	Local Government Association of Queensland (ALGA)
Leyden, Peter	National Transport Commission
Owen, Mark	Transit New Zealand
Reeves, Ian	Department of Main Roads Queensland
Russell, Ken	VicRoads
Todd, Peter	Department of Infrastructure, Energy and Resources Tasmania
Wanka, Ernie	Department of Infrastructure, Planning and Environment Northern Territory

Freight Task Force

Kennedy, Sean (Chair)	Roads and Traffic Authority New South Wales (Program Manager, Freight)
Ball, David	Queensland Transport
Bessell, John	Department of Infrastructure, Energy and Resources Tasmania
Daly, Wayne	Department of Urban Services, Australian Capital Territory
Dudgeon, John	Department of Main Roads Queensland
Hogan, Robert	Commonwealth Department of Transport and Regional Services
Hogben, Don	VicRoads
McGuire, Justin	Roads and Traffic Authority New South Wales
Palmer, Pam	Department of Infrastructure, Planning and Environment Northern Territory
Peters, Bob	Main Roads Western Australia
Salter, Paul	National Transport Commission
Shanks, Ron	Department of Transport and Urban Planning South Australia
Sleath, Lynn	Transit New Zealand

task force & review panel members

Network Task Force

Walsh, Dennis (Chair)	Department of Main Roads Queensland (Program Manager, Network)
Armitage, Joan	Commonwealth Department of Transport and Regional Services
Erceg, John	Main Roads Western Australia
Freeman, Peter	Department of Infrastructure, Energy and Resources Tasmania
Gill, Tony	Department of Urban Services Australian Capital Territory (also representing ALGA)
Grattan, Ken	Department of Infrastructure, Planning and Environment Northern Territory
Margison, Phil	Roads and Traffic Authority New South Wales
Moore, Barry	National Transport Commission
Richards, Rob	Department of Transport and Urban Planning South Australia
Vincent, Ted	VicRoads
Young, David	Transit New Zealand

Registration and Licensing Task Force

Rolland, David (Chair)	Department of Infrastructure, Planning and Environment Northern Territory (Program Manager, Registration and Licensing)
Allen, David	Roads and Traffic Authority New South Wales
Binks, Lloyd	Commonwealth Department of Transport and Regional Services
Bunbury, Jenny	Department of Planning and Infrastructure Western Australia
Cleal, Peter	National Transport Commission
Forbes, Greg	Department of Planning and Infrastructure Western Australia
Fowler, Richard	Department of Infrastructure, Energy and Resources Tasmania
Frisby, Rod	Department of Transport and Urban Planning South Australia
Hill, Craig	Land Transport Safety Authority New Zealand
Hughes, Geoff	National Motor Vehicle Theft Reduction Council
Mahon, Gary	Queensland Transport
Moore, Terry	Austroads NEVDIS Administration
Quinlan, David	Department of Urban Services Australian Capital Territory
Shanks, Geoff	VicRoads
Wheelhouse, Steve	Department of Infrastructure, Planning and Environment Northern Territory

task force & review panel members

Safety Task Force/Review Panel

Hearn, Andrew (Chair)	Land Transport Safety Authority New Zealand (Program Manager, Safety)
Allan, Phil	Department of Transport and Urban Planning South Australia
Anderson, Robin	Australian Local Government Association
Cameron, Iain	Premier and Cabinet Western Australia
Conway, Angela	Department of Infrastructure, Energy and Resources Tasmania
Croke, Leah	Department of Infrastructure, Planning and Environment Northern Territory
Davis, Dennis	Transit New Zealand
Douglas, Jon	Department of Main Roads Queensland
Howard, Eric	VicRoads
Jiggins, Stephen	Department of Urban Services Australian Capital Territory
Job, Soames	Roads and Traffic Authority New South Wales
Mahon, Gary	Queensland Transport
Makeham, Peter	National Transport Commission
Motha, Joe	Commonwealth Department of Transport and Regional Services

Bridge Technology Review Panel

Balfe, Peter (Chair)	VicRoads (Program Manager, Technology)
Bouilly, Geoff	VicRoads
Carter, Don	Roads and Traffic Authority New South Wales
Chaplin, Gordon	Department of Transport and Urban Planning South Australia
Curran, George	Department of Infrastructure, Planning and Environment Northern Territory
Fenwick, John	Department of Main Roads Queensland
Hickson, Ian	Department of Urban Services Australian Capital Territory
McGuire, Frank	Transit New Zealand
Mulcahy, Geoff	Department of Infrastructure, Energy and Resources Tasmania
Scanlon, Jock	Main Roads Western Australia

task force & review panel members

Pavement Technology Review Panel

Balfe, Peter (Chair)	VicRoads (Program Manager, Technology)
Arnold, Greg	Transit New Zealand
Bethune, John	Australian Asphalt Pavement Association
Brown, Steve	VicRoads
Evans, Gareth	Department of Transport and Urban Planning South Australia
Fischer, John	Main Roads Western Australia
Haertel, Edgar	Department of Infrastructure, Energy and Resources Tasmania
Hansen, Bruce	Brisbane City Council (ALGA)
Hickson, Ian	Department of Urban Services Australian Capital Territory
Jackson, Stephen	Department of Infrastructure, Planning and Environment Northern Territory
Jones, Allan	Department of Main Roads Queensland
Olsen, Chris	Roading New Zealand
Tamsett, Peter	Roads and Traffic Authority New South Wales
Vorobieff, George	Australian Stabilisation Industry Association

Project Delivery Review Panel

Balfe, Peter (Chair)	VicRoads (Program Manager, Technology)
Allen, Chris	Transit New Zealand
Cantillon, Phil	Department of Infrastructure, Energy and Resources Tasmania
Douglas, Bruce	Mornington Peninsula Shire Council (ALGA)
Kenny, Pat	Roads and Traffic Authority New South Wales
Liddle, Gary	VicRoads
McLean, Jock	Department of Urban Services Australian Capital Territory
Noble, Brian	Main Roads Western Australia
Pemble, Robert	Department of Infrastructure, Planning and Environment Northern Territory
Warren, Tim	Department of Transport and Urban Planning South Australia
Wogan, Dennis	Department of Main Roads Queensland

task force & review panel members

Road Design Review Panel

Balfe, Peter (Chair)	VicRoads (Program Manager, Technology)
Arndt, Owen	Department of Main Roads Queensland
Aumann, Peter	Monash City Council (ALGA)
Brock, Tom	The Association of Consulting Engineers Australia
Clarke, Geoff	Commonwealth Department of Transport and Regional Services
Cunningham, John	VicRoads
Davis, Dennis	Transit New Zealand
Ellis, Peter	Roads and Traffic Authority New South Wales
Grove, Rob	Main Roads Western Australia
Hickson, Ian	Department of Urban Services Australian Capital Territory
Nichols, Graeme	Department of Infrastructure, Energy and Resources Tasmania
O'Callaghan, Noel	Department of Transport and Urban Planning South Australia
Toll, Peter	Department of Infrastructure, Planning and Environment Northern Territory

Traffic Management Review Panel

Balfe, Peter (Chair)	VicRoads (Program Manager, Technology)
Clark, Steve	Department of Transport and Urban Planning South Australia
Cook, Ray	Transit New Zealand
Davis, Griff	City of Whittlesea Victoria (ALGA)
Douglas, Jon	Department of Main Roads Queensland
Freeman, Peter	Department of Infrastructure, Energy and Resources Tasmania
Horni, Geoff	Department of Infrastructure, Planning and Environment, Northern Territory
Margison, Phil	Roads and Traffic Authority New South Wales
Shoukrallah, Rifaat	Department of Urban Services Australian Capital Territory
Smith, Greg	Australian Automobile Association
Sullivan, Dan	Main Roads Western Australia
Vincent, Ted	VicRoads

task force & review panel members






Transport Planning and Project Evaluation Review Panel

Balfe, Peter (Chair)	VicRoads (Program Manager, Technology)
Broadhurst, Lindsay	Main Roads Western Australia
Clarke, Geoff	Commonwealth Department of Transport and Regional Services
Grattan, Ken	Department of Infrastructure, Planning and Environment, Northern Territory
Hannah, Lawrie	Transport Queensland (Rail Group Representative)
Harvey, Mark	Bureau of Transport and Regional Economics
Richmond, Allan	Department of Main Roads Queensland
Tisato, Peter	Department of Transport and Urban Planning South Australia
Van Emmerik, Andrew	Department of Infrastructure, Energy and Resources Tasmania
Van Every, Bruce	VicRoads
Watters, Brian	Roads and Traffic Authority New South Wales
Young, David	Transit New Zealand















Publications

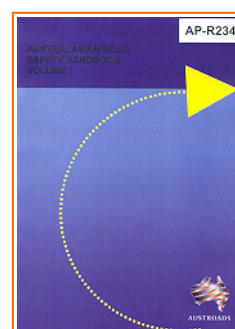
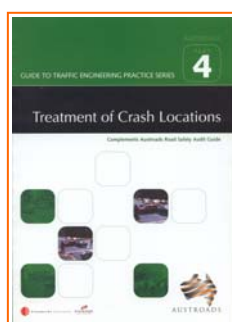
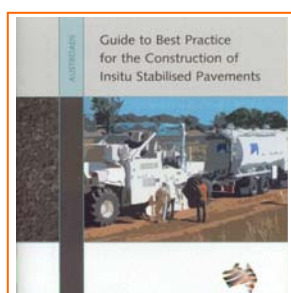
Publications released during the year ended 30 June 2004

Guides

-  Rural Road Design: A Guide to the Geometric Design of Rural Roads (AP-G1/03)
-  Guide to Traffic Engineering Practice Part 4 – Treatment of Crash Locations (AP-G11.4/04)
-  Assessing Fitness to Drive (AP-G56/03)
-  Guide to Best Practice for the Construction of Insitu Stabilised Pavements (AP-G75/03)
-  Sprayed Sealing Guide (AP-G76/04)

Research Reports













-  Benefits of Road Investment to Assist Tourism (AP-R225/03)
-  Forecasting Inter-regional Freight Transport from Regional Development (AP-R226/03)
-  A Review of Access Management Practice (AP-227/03)
-  Planning for Freight in Urban Areas (AP-R228/03)
-  Valuing Environmental and Other Externalities (AP-R229/03)
-  Economic Evaluation of Road Investment Proposals: Valuing Travel Time Savings (AP-R230/03)
-  Capturing the Benefits of Performance Based Standards (AP-R231/03)
-  Guidelines for Treatment of Stormwater Runoff from the Road Infrastructure (AP-R232/03)
-  Pavement Strength in Network Analysis of Sealed Granular Roads: Basis for Austroads Guidelines (AP-R233/03)
-  Australian Road Safety Handbook: Volume 1 (AP-R234/03)
-  Remaining Life of Road Infrastructure Assets: An Overview (AP-R235/03)
-  Implications of Intelligent Transport Systems for High Risk Road Users and High Risk Situations (AP-R236/03)
-  A Review of Literature and Trials of Intelligent Speed Adaptation Devices for Light and Heavy Vehicles (AP-R237/03)
-  Economic Evaluation of Road Investment Proposals: Improved Methods for Estimating Australian Crash Costs (AP-R238/03)











publications

Publications released during the year ended 30 June 2004 (continued)

Research Reports (continued)

-  Heavy Vehicle Compliance with Speed and Mass Limits: Evidence for Weigh-in-Motion Devices (AP-R239/03)
-  A Review of Industry Contributions to Local Road Costs (AP-R240/04)
-  Economic Evaluation of Road Investment Proposals – Unit Values for Road User Costs at June 2002 (AP-R241/04)
-  Economic Evaluation of Road Investment – Estimating Urban Inter-Modal Benefits: A Literature Review (AP-R242/04)
-  Impact of Climate change on road infrastructure (AP-R243/04)
-  Appendices – Impact of Climate Change on Road Infrastructure (AP-R243A/04)
-  Future Trends in Heavy Vehicle Design (AP-R244/04)
-  Concrete Durability – Development of Models to Predict and Extend the Service Life of Concrete Bridges (AP-R245/04)
-  Salinity and Rising Water Tables – Risks for Road Assets (AP-R246/04)
-  Guidelines for Setting-up and Operation of Signalised Intersections with Red Light Cameras (AP-247/04)
-  Road Safety Engineering Risk Assessment – Stage 1 (AP-R248/04)
-  Review of Air Quality Models for Roads (AP-R249/04)

Technical Reports

-  Development of Performance Contracts and Specifications – Summary Report (AP-T25/03)
-  Guidelines and Specifications for Bituminous Slurry Surfacing (AP-T26/03)
-  Progress Report on the 2002/03 National Asphalt Mix Design Program (AP-T27/03)
-  Guidelines for Ensuring Specified Quality Performance in Bridge Construction (AP-T28/03)
-  Development of Performance-Based Specifications for Unbound Granular Materials – Part A: Issues and Recommendations (AP-T29/03)
-  Development of Performance-Based Specifications for Unbound Granular Materials – Part B: Use of RLT Test to Predict Performance (AP-T30/03)
-  Guide to Production and Specification of Natural Granular Materials, Crushed Rocks, and Aggregates [Draft for Public Comment] (AP-T31/03)
-  Audit and Surveillance of Sprayed Sealing Contract Works (AP-T32/04)

Projects 2004/05

Assets

AP1008	Assets Publications Series — Peak doc
AP1009	Assets Publications Series — Progress Vol 5A
AP1136	Assets Publications Series — Bridge Condition Monitoring
AS1058	Valuation of Road Infrastructure - Stage 2
AS1059	Framework for Road Maintenance Intervention Standards and Response Times
AS1060	Consistency of Data on Traffic Loading and Traffic Mix
AS1061	Improved Prediction for Resealing Intervention
AS1062	Guidelines for Minimising Friction Related Crashes on Road Networks
AS1063	Quantifying Community Expectations of Levels of Service on Road Networks
AS1120	Road Condition Monitoring Guidelines
AS1121	Benefit Cost Ratio for Use in Maintenance Evaluation (including definition of maintenance)
AS1122	Guidelines for Road Network Condition Monitoring — Parts 3 (Pavement Strength) and 4 (Pavement Cracking)
AS1123	Consistency in Approaches to Road Asset Investment Analysis
AS1124	Asset Management Tools for Unsealed Roads
AS1125	Network Performance Models for Bridge Management (Maintenance and Rehabilitation)
AS1126	Effects of Sealed Shoulders and Overtaking Lanes on Road User Costs
AS1127	Harmonisation of Road User Cost Models
AT1006	Standardised Measurement of Road Condition
AT1042	Intervention Standards and Cost Models
AT1044	Maintenance Techniques to Manage Social and Environmental Impacts
AT1064	Long-Term Performance Monitoring to Develop Consistent Performance Models
AT1067	Establish Network Performance Profiles, Identify Under-Performing Pavements and Establish Contributory Causes
AT1131	Management of Skid Resistance

Corporate

CORP.M.C.015	National Performance Indicators — 2003 publication
CORP.M.C.014	Develop Austroads Strategic Plan 2004–2007
CO1034	Electronic Communications
CO1035	PIARC World Road Congress — Paris 2007
CO1036	Electronic Library of Austroads Publications
CO1096	Austroads ARRB TR Fellowship
CO1098	Australasian Involvement in PIARC Technical Committees — Dissemination of Knowledge from International Activities
CP1030	National Performance Indicators — Annual Update
CP1031	National Performance Indicators — Review
CP1032	RoadFacts 2004 — Annual Update
CP1033	User Satisfaction Index Survey Review
CP1037	Assessing Fitness to Drive — Administrative Support
CP1097	RoadFacts 2004
CS1099	Demonstration Trial of Intelligent Speed Adaptation for Heavy Vehicles

projects 2004/05

Freight

FS1010	Community Attitudes to Road Freight Vehicles — Behavioural Research
FS1011	Vehicle Environmental Standards for Night-time Operations
FS1012	Guidelines for Identifying, Assessing and Managing the Environmental Impacts Arising from Trucks Using Metropolitan Road Links
FS1013	Review of Freight Data Collection and Generation Procedures and Opportunities (Scoping Project)
FS1068	Guidelines for the Practical Application of New Chain of Responsibility Provisions
FS1069	Guidelines for the Content, Development, Approval and the Use of Industry Codes of Practice
FS1070	Integration and Application of Compliance and Enforcement Guidelines
FS1071	Implementation Strategy for Intermodal Freight Containers
FS1072	ITS Technologies for Metropolitan Freight Vehicle Operations
FS1073	Community Attitudes to Road Freight Vehicles
FS1100	Guidelines for the Physical Measurement of Dimensions
FS1101	Guidelines for the Assessment of the Severity of Breaches of the Load Restraint Standards

Network

NP1001	National Cycling Strategy
NS1014	Understanding Network Performance Provided to Road Users
NS1015	Review Recent Developments in Road Pricing, including Freight
NS1016	Understanding How Micro-Simulation Traffic Models Can Be Used to Improve the Performance of the Road Network
NS1017	Improving Incident Management
NS1018	Pedestrian/Cyclist Conflict Minimisation on Shared Paths and Footpaths.
NS1074	Use of Temporal Spare Capacity on Metropolitan Networks
NS1075	Bus and Bicycle Interaction with the Road Network

Registration and Licensing

RO1078	National Exchange Vehicle Data Information System — NEVDIS
RS1019	Closing Loopholes Concerning Transfer of Licence Sanctions
RS1020	Review of Compliance with the Participation Agreement and NEVDIS Requirements including Privacy.
RS1021	Uniform Set of National Enrolment Standards (Client) including for Non Standard Evidence of Identity
RS1022	Cleanse Data to Improve Accuracy of Client and Vehicle Information
RS1076	Evaluation of Benefits and Risks Associated with the Access of Registration and Licensing Data
RS1077	Innovation and Application of New Technologies in the Registration and Licensing Business Environment
RS1128	Review of Administrative Arrangements for the Exchange of Demerit Points

Safety

RS.UB.N.513	Older Model Driver Assessment Program, Phase 2
RS.UB.N.543	Productivity Implications of Safe Heavy Vehicle Driving
SO1056	Promotion and Dissemination of the Road Safety Risk Manager
SP1029	Updating Australasian Road Safety Handbook
SP1051	Development of Safety Publications Series
SP1079	Revision of Austroads Crash Barriers Publication
SS1024	Balance between Harm Reduction and Mobility in Setting Speed Limits: Stage 2 project
SS1025	Safer Vehicle Purchases: Developing Cost/benefit Estimates for Fleet Managers and Others.
SS1027	Austroads' Australasian Road Safety Handbook, Volume 4: 'Developing a Safer System'
SS1028	A Road Safety Engineering Toolkit

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Safety (continued)

SS1057	Analysis of the Safety Benefits of Heavy Vehicle Accreditation Schemes
SS1080	The Australian Road Safety Audit Advisory System
SS1081	Evaluation of Speed Limiting Locally Operating Warning Signs
SS1082	A Reliable, Low-Cost Travel Exposure Index Plus Classification of Motorcycles as a Distinct Vehicle Class
SS1083	The Effect of Predictability of Speed Enforcement Activity on the Perceived Risk of Detection and Self-Reported Behaviour
SS1102	An Australasian Road Safety Handbook
SS1103	Interventions to Prevent Intoxicated Pedestrian Crashes
SS1104	Developing Sound Educational Practice in School-Based Road Safety Education Programs
SS1105	Road Safety in Rural and Remote Areas
SS1106	Improving the Road Environment for Older Drivers
SS1107	Balance between Harm Reduction and Mobility in Setting Speed Limits: A Feasibility Study
SS1108	Further Development of GIS-Based Analysis of Crashes as a Road Safety Management Tool
SS1109	Safety Impacts of Changes in Truck Use
SS1110	Development of Road Safety Risk Manager
SS1111	Older Driver Crashes — Responsibility and Who is Involved
ST1023	Road Safety Engineering Risk Assessment: Stage 3

Technology

TP1003	Scoping Studies — Technology Publication series
TP1045	Bridge Technology — Part 1 (Overview of Bridge Technology) and Part 3 (Bridge Design Procurement)
TP1046	Road Design — Part 1 (Introduction to Road Design) and Part 2 (Design Inputs)
TP1047	Traffic Management — Part 5 (Road Management) Part 6 (Intersections, Interchange and Rail Crossings)
TP1048	Pavement Technology — Part 1 (Introduction to Pavement Technology) and Part 5 (Project Level Pavement Management)
TP1049	Project Delivery — Part 2 (Project Delivery Considerations) and Part 6 (Project Delivery Competencies)
TP1050	Project Evaluation — Part 5 (Impact on National and Regional Economies)
TP1053	Updating Design Charts in Austroads "Light Traffic" Guide
TP1054	Pavement Technology — Part 4 (Pavement Materials)
TP1055	Project Evaluation — Part 7 (Examples)
TP1084	Guidelines for Strengthening Bridges
TP1085	Part 1 — Nationally Consistent Approach to the Management of Road Traffic Noise Part 2 — Best Practice Guidelines for Road Traffic Noise Management
TP1086	Project Evaluation Series — Volume 1: Evaluation Framework for Transport Decisions
TP1087	Project Evaluation Series — Volume 6: Distributional (Equity) Effects
TP1088	Project Evaluation Series — Volume 8: Post-Implementation Audit
TP1089	Revision of Austroads Guide to Stabilisation in Roadworks
TP1090	Development and Management of Austroads Test Methods
TP1091	Integrated Specifications for Bituminous Binders
TP1092	Implementation of Austroads Asphalt Mix Design Procedure (AP-T20/02) and Asphalt Framework Specification (AP-T18)
TP1093	Review of 1995 Austroads Design Vehicles and Turning Path Template Guide
TP1095	Development of Guide to Traffic Engineering Practice Part 16 — On-Road Public Transport
TP1112	Project Evaluation Series — Volume 5: Impact on the National and Regional Economies
TP1113	Project Evaluation Series — Volume 7: Risk Analysis
TP1114	Implementation of Austroads Sprayed Seal Design Method

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Technology (continued)

TP1115	Revision of Guide to Traffic Engineering Practice — Part 11 — Parking
TP1116	Revision of Guide to Traffic Engineering Practice — Part 9 — Arterial Road Traffic Management
TP1117	Revision of Guide to Traffic Engineering Practice — Part 5 — Intersections at Grade
TP1118	Guidelines for the Collection and Discharge of Stormwater from the Road Infrastructure
TP1119	Asphalt — Utilisation of Recycled Asphalt
TP1129	Revision of Guide to Traffic Engineering Practice — Part 8 — Traffic Control Devices
TP1130	Development of Urban Road User Cost Models — Stage 3
TS1000	Review of NTC Performance Based Specification Vertical Loading Standard
TT1065	Influence of Vertical Loading on the Performance of Unbound and Cemented Materials
TT1066	Quantifying the Stresses at the Tyre/Surface Interface and the Resulting Performance Impacts
TT1132	Improved Sprayed Sealing Operations — Procedures and Guidelines
TT1133	Maximising the Benefits from Polymer Modified Binders
TT1134	Using Overseas Bitumen
TT1135	Delivering Better Quality Asphalt

Austroads Financial Information

Income and Expenditure Statement for the Year Ended 30 June 2004

	2004		2003	
	\$	\$	\$	\$
INCOME				
Contributions				
Membership		751,548		751,048
Work program		4,488,760		4,489,392
Special Programs and Projects				
BS User Satisfaction Index	141,149		0	
ITS Projects	0		12,996	
Assessing Fitness to Drive	220,000		0	
Intelligent Access Project	<u>786,832</u>	1,147,981	<u>361,000</u>	373,996
Publications				
Gross sales revenue		267,967		236,725
Royalties		285		2,324
Interest Received				
Short Term investments	182,562		172,791	
Rental Bond	<u>1,517</u>	184,079	<u>1,160</u>	173,951
Other Income		277		60
Income transferred from e-transport (Note 5)		<u>69,968</u>		<u>0</u>
TOTAL INCOME		<u>6,910,865</u>		<u>6,027,496</u>
EXPENDITURE				
Corporate				
Salaries and related charges	407,774		451,474	
Other National Office expenses (Note 2)	226,180		235,480	
Projects	219,447		174,052	
Corporate Services	49,904		48,879	
Depreciation (Note 1b)	18,333		19,501	
Program management	<u>900,432</u>	1,822,070	<u>506,119</u>	1,435,505
Work program				
Road System Management	32,750		492,642	
Road Use Management	50,550		615,934	
Road Safety	227,560		615,491	
Business Systems	194,245		648,003	
Technology & Environment	47,950		1,585,681	
Intelligent Transport Systems	0		350,000	
Intelligent Access Program	353,585		383,427	
Publications	31,000		0	
Assets	952,741		0	
Freight	43,308		0	
Network	20,000		0	
Registration and Licensing	28,244		0	
Safety	750,881		0	
Technology	<u>802,356</u>	3,535,170	<u>0</u>	4,691,178

The accompanying notes form part of these Financial Statements

Austroads financial information

Income and Expenditure Statement for the Year Ended 30 June 2004 (continued)

	2004		2003	
	\$	\$	\$	\$
Publications				
Cost of Sales	79,088		70,848	
ARRB Commission	78,931		70,295	
Stock Write Off	239,113		19,770	
Royalty Payments	2,512		2,823	
Production and Distribution	40,000		40,000	
Other Costs	<u>0</u>	439,644	<u>0</u>	203,736
TOTAL EXPENDITURE		<u>5,796,884</u>		<u>6,330,419</u>
Net Surplus/(Deficit) for the year		<u>1,113,981</u>		<u>(302,923)</u>

The accompanying notes form part of these Financial Statements

Austroads financial information

Balance Sheet as at 30 June 2004

	2004		2003	
	\$	\$	\$	\$
ASSETS				
Current assets				
Cash	531,545		637,755	
Investments (Note 1d)	3,881,912		2,803,442	
Inventories (Note 3)	33,266		216,514	
Receivables (Note 4)	1,097,350		3,386,921	
Prepayments	58,408		25,605	
Other debtors	<u>208,163</u>		<u>285,095</u>	
		5,810,644		7,355,332
Non-current assets				
Office Furniture and Equipment – at Cost	202,682		193,142	
Less: Provision for Depreciation	<u>(172,541)</u>		<u>(168,388)</u>	
	30,141		24,754	
Motor Vehicles – at Cost	21,755		20,576	
Less: Provision for Depreciation	<u>(4,339)</u>		<u>(3,078)</u>	
	17,416		17,498	
Sundry Debtors	<u>31,626</u>		<u>30,110</u>	
		79,183		72,362
Total Assets		<u>5,889,827</u>		<u>7,427,694</u>
LIABILITIES				
Current liabilities				
Accounts Payable	1,234,736		2,277,076	
Contributions received in advance	929,490		284,926	
Subscriptions invoiced in advance (NEVDIS II) (Note 1 [f])	1,140,714		3,016,231	
Unacquitted funds (e-transport) (Note 5)	0		431,911	
Unacquitted funds (NEVDIS II) (Note 6)	49,195		0	
Provision for Annual Leave	37,187		36,936	
Provision for Long Service Leave	<u>13,240</u>		<u>10,293</u>	
		3,404,562		6,057,373
Non-current liabilities				
Provision for Long Service Leave		<u>17,296</u>		<u>16,333</u>
Total Liabilities		<u>3,421,858</u>		<u>6,073,706</u>
NET ASSETS		<u>2,467,969</u>		<u>1,353,988</u>

The accompanying notes form part of these Financial Statements

Austroads financial information

Balance Sheet as at 30 June 2004 (continued)

	2004	2003
	\$	\$
Represented by:		
MEMBERS' FUNDS		
Net Surplus/(Deficit)	1,113,981	(302,923)
Cumulative surplus brought forward	<u>1,353,988</u>	<u>1,656,911</u>
Total	<u>2,467,969</u>	<u>1,353,988</u>

The accompanying notes form part of these Financial Statements

Austroads financial information

Statement of Cash Flows for the year ended 30 June 2004

	2004	Inflows (Outflows)	2003
	\$		\$
CASH FLOWS FROM OPERATING ACTIVITIES			
Receipts			
Member Contributions	6,003,109		5,334,026
Publication sales	268,479		247,712
Interest received	184,908		170,843
External project funding	1,147,981		373,996
e-transport funding	69,968		0
Other receipts	0		60
Net GST receipt	169,469		68,213
Total receipts	7,843,914		6,194,850
Payments			
Salaries and related costs	(438,287)		(472,404)
National Office	(613,629)		(471,590)
Publications	(497,196)		(451,418)
Programs	(5,299,181)		(5,065,526)
Total payments	(6,848,293)		(6,460,938)
Net Cash provided by/(used in) operating activities (Note 7)	995,621		(266,088)
CASH FLOWS FROM INVESTING ACTIVITIES			
Proceeds from Sale of Fixed Assets	17,775		0
Payment for Purchase of Fixed Assets	(41,136)		(32,859)
Net cash used in investing activities	(23,361)		(32,859)
Net Increase/(Decrease) in cash held	972,260		(298,947)
Cash at the beginning of the year	3,441,197		3,740,144
Cash at the end of the year (Note 8)	4,413,457		3,441,197

The accompanying notes form part of these Financial Statements

Austroads financial information

Notes to and forming part of the accounts for the year ended 30 June 2004

1. Statement of significant accounting policies

This financial report is a special purpose 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:

AAS 5	Materiality
AAS 8	Events Occurring after Reporting Date

No other applicable Accounting Standards, Urgent Issues Group Consensus Views or other authoritative pronouncements of the Australian Accounting Standards Board have been applied.

The financial report has been prepared on an accruals basis of 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) Inventories

Inventories comprise stock of publications on hand at ARRB Transport Research and Austroads National Office, publication costs in progress, and publication raw materials, all of which are stated at the lower of cost and net realisable value.

Due to the nature of projects conducted by Austroads Incorporated and the manner in which some costs are shared between the various project participants' organisations, costs of publications only include the cost of printing and other publication production costs. Research and development costs are expensed to the relevant project in the Income and Expenditure Statement.

b) Depreciation

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

c) Employee entitlements

Provision for long service leave and annual leave are made for all employees from their date of commencement and are calculated at current pay rates.

d) Investments

Investments reflected on the Balance Sheet represent funds held with the National Australia Bank in short term investments. These funds are placed for varying periods up to 13 months, but may be withdrawn at short notice.

Austroads financial information

Notes to and forming part of the accounts for the year ended 30 June 2004 (continued)

e) e-transport Implementation

In 2003 Funding of e-transport implementation was recognised as income to the extent of expenditure incurred to balance date (refer Note 5). Funding in excess of expenditure was carried forward to the subsequent year as unacquitted funds in the Balance Sheet.

e-transport implementation stopped as at 1 July 2003. Funds amounting to \$362,911 were transferred across to Austroads to help fund the Intelligent Access project and have been shown as income during the year. The remainder was transferred to Austroads to use for its continued operations and was treated as a transfer to income (see Note 5).

f) 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 \$141,916 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 6). Funding in excess of expenditure was carried forward to the subsequent year as unacquitted funds in the Balance Sheet.

g) Income tax

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

	2004 \$	2003 \$
2. Other National Office Expenses		
Other National Office Expenses include the following		
— Remuneration of Auditor for Audit Services	9,250	8,450
— Rental expense on operating lease	83,404	82,745
3. Inventories		
Publications		
— Finished goods (at cost)	256,542	219,963
Less stock valuation adjustment	(234,511)	(20,000)
— Raw materials (at cost)	<u>11,235</u>	<u>16,551</u>
	<u>33,266</u>	<u>216,514</u>

Austroads financial information

Notes to and forming part of the accounts for the year ended 30 June 2004 (continued)

	2004 \$	2003 \$
4. Receivables		
Trade debtors	74,873	69,067
NEVDIS II subscriptions receivable	<u>1,022,477</u>	<u>3,317,854</u>
	<u>1,097,350</u>	<u>3,386,921</u>
5. e-transport Implementation		
Income		
Members' contribution	0	250,000
Austroads contribution	0	350,000
Interest received	<u>968</u>	<u>11,002</u>
Total Income	<u>968</u>	<u>611,002</u>
Expenditure		
Partial Reimbursement of Austroads' Administration Costs	0	11,002
ITS Projects in Austroads Programs	0	12,996
Intelligent Transport Systems Projects	<u>0</u>	<u>822,380</u>
Total Expenditure	<u>0</u>	<u>846,378</u>
Net Surplus /(Deficit) for the year	968	(235,375)
Amount unexpended brought forward	<u>431,911</u>	<u>667,287</u>
	432,879	431,911
Amount unexpended transferred to Liabilities (Note 1[e])	0	(431,911)
Amount Unexpended transferred to fund IAP (Note 1[e])	(362,911)	0
Amount Unexpended transferred to Income (Note 1[e])	<u>(69,968)</u>	<u>0</u>
Net Surplus/(Deficit)	<u>0</u>	<u>0</u>

Austroads financial information

Notes to and forming part of the accounts for the year ended 30 June 2004 (continued)

	2004 \$	2003 \$
6. NEVDIS II		
Income		
Members' contribution	4,905,603	0
Work Request Recoveries	7,792	0
Recalls	150,767	0
Interest Received	<u>31,409</u>	<u>0</u>
Total Income	<u>5,095,571</u>	<u>0</u>
Expenditure		
Bank charges	218	0
Fujitsu Upfront Fees	2,386,442	0
Fujitsu DPX	36,060	0
Fujitsu Miscellaneous	60,230	0
Fujitsu Recalls	3,060	0
Fujitsu Subscriptions	1,451,910	0
RTA NEVDIS Administration Unit	745,150	0
RTA NEVDIS Salary	355,514	0
Jurisdiction Work Request	<u>7,792</u>	<u>0</u>
Total Expenditure	<u>5,046,376</u>	<u>0</u>
Net Surplus for the year	49,195	0
Amount Unexpended transferred to Liabilities (Note 1[f])	<u>(49,195)</u>	<u>0</u>
Net Surplus	<u>0</u>	<u>0</u>

7. Reconciliation of Net Cash used in Operating Activities to Operating Result

	2004 \$	2003 \$
Operating result	1,113,981	(302,923)
Depreciation	18,333	19,501
Net (loss)/gain on disposal of plant and equipment	(277)	0
Decrease/ (increase) in inventories	183,248	(12,306)
(Increase)/Decrease in trade debtors	(5,806)	50,307
Decrease/ (increase) in prepayments and other debtors	2,337,990	(3,339,031)
(Decrease)/Increase in liabilities	<u>(2,651,848)</u>	<u>3,318,364</u>
Net cash from operating activities	<u>995,621</u>	<u>(266,088)</u>

Austroads financial information

Notes to and forming part of the accounts for the year ended 30 June 2004 (continued)

	2004 \$	2003 \$
8. Reconciliation of Cash		
For the purposes of the Statement of Cash Flows, the Association considers cash to include cash on hand and in 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	531,545	637,755
Investments	<u>3,881,912</u>	<u>2,803,442</u>
	<u>4,413,457</u>	<u>3,441,197</u>

Austroads financial information

Statement by Members of the Executive Committee

The Executive Committee has determined that the association 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.

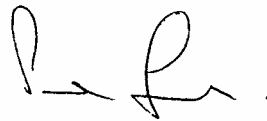
In the opinion of the Executive Committee, the attached financial statements as set out on pages 45 to 54 present fairly the financial position of Austroads Incorporated as at 30 June 2004 and its performance for the year ended on that date.

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

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



Murray Kidnie
Executive Director



Paul Forward
Chairman

Dated this 27th day of September 2004.

Austroads financial information

Independent Auditor's Report to the Members of Austroads Incorporated

Scope

We have audited the financial report, being a special purpose financial report, of Austroads Incorporated for the financial year ended 30 June 2004 as set out on pages 45 to 55. The Executive Committee is responsible for the financial report and has determined that the accounting policies used and described in Note 1 to the financial statements which form part of the financial report are appropriate to meet the requirements of the Associations Incorporation Act (NSW) and are appropriate to meet the needs of the members of Austroads Incorporated. No opinion is expressed as to whether the accounting policies used are appropriate to the needs of the members.

The financial report has been prepared for the purpose of fulfilling the requirements of the Associations Incorporation Act (NSW). We disclaim any assumption of responsibility for any reliance in this report or on the financial report to which it relates to any person other than those members, or for any purpose other than for which it was prepared.

Our audit has been conducted in accordance with Australian Auditing Standards. Our procedures included examination, on a test basis, of evidence supporting the amounts and other disclosures in the financial report, and the evaluation of significant accounting estimates. These procedures have been undertaken to form an opinion whether, in all material respects, the financial report is presented 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 performance as represented by the results of its operations and its cash flows. These policies do not require the application of all Accounting Standards and other mandatory professional reporting requirements in Australia.

The audit opinion expressed in this report has been formed on the above basis.

Audit opinion

In our opinion, the financial report of Austroads Incorporated presents a true and fair view of the financial position of Austroads Incorporated as at 30 June 2004 and the results of its operations and its cash flow for the year ended in accordance with the accounting policies described in Note 1 to the financial statements.



SOTHERTONS — Sydney Partnership
Chartered Accountants



S Tzannes, Partner
29 September 2004
Sydney