

Research and consulting capabilities





Research and consulting capabilities

ARRB Group was founded as a research organisation in 1960 and is now a leading provider of research, consulting and technology addressing transport problems.

ARRB Group has highly experienced and qualified staff including engineers, scientists, programmers and technical support. ARRB's research and advice is aligned with the National Transport Framework Policy, which covers a range of road and transport related businesses including:

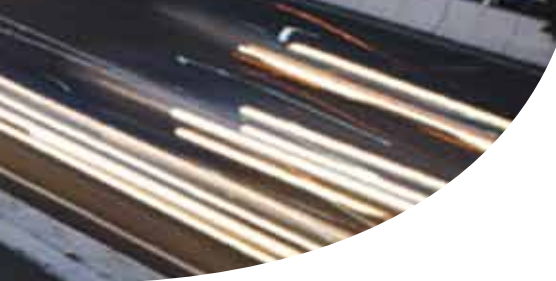
- congestion, freight and productivity
- safe systems
- sustainable infrastructure science/technology
- sustainable infrastructure management
- strategic research and technology
- capacity building.

ARRB's research and technical services are enhanced by:

- NATA accredited laboratories and equipment used for testing bituminous surfacings and concrete, providing the best advice on road construction materials and assessment of existing roads and structures.
- ARRB has Chief Scientists, recognised globally for their expertise in the areas of; bituminous surfacing, concrete and structures, pavement structures, transport operations, transport economics, management systems and performance modelling. The Chief Scientists and other technical leaders provide advice to the industry.
- Contribution to the Austroads Guides series, released in 2009.
- The MG Lay Library is the main content provider for the Australian Transport Index (ATRI). Founded in 1962, ARRB's Library today takes a lead role in national and international land transport information and knowledge sharing.
- Knowledge transfer program -effective knowledge transfer has high priority at ARRB Group and around 150 workshops, seminars and forums are organised and delivered in Australia, New Zealand and Asia each year. ARRB Group develops and delivers high level training workshops and explanatory seminars using its in-house technical experts, specialist consultants and road authority staff.



Updates on the training workshops are available at www.arrb.com.au/workshops



independence, innovation and scientific integrity

ARRB's key areas include:

Congestion, Freight and Productivity

The impact of freight and congestion on productivity across the nation is a growing issue. ARRB is focussed on investigating, developing and researching innovative solutions. This involves managing and operation of the freeway and arterial networks, heavy vehicles configurations and evaluating economical impacts of congestion and climate change.

Our capabilities include:

- transport network
- transport planning
- economics
- freight and logistics
- innovative heavy vehicle solutions
- environment and sustainability
- parking.

Safe Systems

The Safe System approach to road safety has been adopted by all Australian state and territory road authorities. The approach recognises that humans, as road users, are fallible and will make mistakes which will result in crashes. It requires that road infrastructure be designed to take account of these errors and vulnerabilities to reduce the risk of serious injury.

Our capabilities include:

- road safety engineering
- road user behaviour
- road design
- traffic management
- safe vehicles.

Sustainable Infrastructure Sciences/Technology

ARRB provides benefits to the industry through the research and development of new test procedures and guidelines for the most appropriate use of materials. ARRB has NATA accredited laboratories and equipment for testing the properties of materials in road pavements and concrete structures.

Our capabilities include:

- pavement design and performance
- pavement construction/maintenance
- materials technology.



Sustainable Infrastructure Management

The effective and efficient management of the multi-million dollar road and bridge asset is critical to the economic well-being of a region. ARRB's unique road and bridge asset management services provide innovative customer focussed solutions making it possible for your network manager to effectively manage the network to achieve best value.

Our capabilities include:

- innovative inventory solutions (including data collection)
- infrastructure assessment
- asset management
- bridge management
- infrastructure maintenance
- local roads.

About ARRB:

ARRB Group Ltd (ARRB) provides research, consulting and information services to the road and transport industry. ARRB applies research outcomes to develop equipment that collects road and traffic information and software that assists with decision making across road networks. ARRB is the leading provider of road research and best practice workshops in Australia.

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MATERIALS, PAVEMENT & CONCRETE DESIGN & TESTING | TRANSPORT POLICY, OPERATIONS & ECONOMICS |
INFRASTRUCTURE ASSET MANAGEMENT | EQUIPMENT MANUFACTURE & DATA COLLECTION SERVICES |
SAFE SYSTEMS | ROAD SAFETY | TRAFFIC ENGINEERING | HEAVY VEHICLE TESTING & SIMULATION | PARKING |
LAND TRANSPORT RESOURCES & INFORMATION | KNOWLEDGE TRANSFER & CAPACITY BUILDING |

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