

# International capabilities

## 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.

## ARRB Group Ltd

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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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# International capabilities

international reputation for independence, innovation and scientific integrity

Improving the safety and management of road and transport assets are issues faced by many developed and developing countries. ARRB Group has extensive international experience to offer to help solve road and transport problems.

Based upon our depth of knowledge and skills developed through working in different environments, ARRB Group is able to bring together world class experts to tailor the best solutions to the problem.

ARRB's expert staff together with our broad network of associations are able to provide consulting expertise in the following areas:

- road safety and traffic engineering
- road user behaviour
- transport operations
- transport economics
- heavy vehicle management
- road and bridge asset management
- pavement and materials technology
- capacity building.

ARRB also produces software and equipment, such as road surface testing equipment, network and road safety risk management tools to complement the consulting services offered.

## Road safety and traffic engineering

Our safety team has experience in areas including:

- development of tailored best practice guides and manuals
- development of 'expert' road safety systems (e.g. setting speed limits – XLIMITS, road safety toolkit, etc)
- provide advice and evaluation for road safety strategies and programs
- provide road safety training and capacity building
- analysis of crash and traffic data
- Intelligent Transport Systems (ITS).



## Heavy vehicle management:

The services provided by ARRB in heavy vehicle assessment and advice have benefits in providing rapid return on investment with credibility. The services are:

- wide performance testing
- development of Performance Based System (PBS) assessment
- development of an innovative active trailer steering system
- conduct extensive heavy vehicle test programs resulting in performance information on acceleration, braking and yaw/roll dynamics
- evaluation of the safety of haul roads and haulage vehicles for mining companies.



## Capacity building:

ARRB is the premier supplier of high level workshops and seminars in the transport field. Our workshops cover a wide range of topics including:

- Basic Geometric Road Design
- HDM-4 seminars and training
- Local Skid Resistance Strategies
- Crash investigations
- Road Safety Audit training course.



## Infrastructure management:

### Road data collection

- network and project level structural assessment
- network and project level automated pavement surface assessments
- network wide safety risk assessment of physical characteristics
- road geometry and mapping surveys
- digital imaging, inventory and assessment
- road construction quality testing.

### Asset management

- provide design and construction advice
- strategic analysis and information management
- implementation and development of pavement management systems (PMS)
- equipped with the Accelerated Loading Facility (ALF) in Melbourne
- development, dissemination and implementation of HDM-4 based solutions
- providing local road solutions.

