

International capabilities



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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.)
- provision of advice and evaluation for road safety strategies and programs
- provision of road safety training and capacity building
- analysis of crash and traffic data
- Intelligent Transport Systems (ITS).



Road Assessment Program (iRAP, AusRAP)

ARRB, a key contributor to iRAP has researched and developed this program, including the delivery of pilot projects in Malaysia, Costa Rica, Chile and Vietnam. iRAP aims to assist in improving road infrastructure safety in developing countries by building on the existing EuroRAP and AusRAP programs.

The program involves measurement of the road safety performance of a country's road infrastructure, and the identification of potential remedial programs to help improve road safety outcomes. The work is conducted by local experts with the support and guidance of the international iRAP team. Working in partnership with local government, agencies, automobile associations and key research bodies, the program aims to build an awareness of the road safety challenge, and a willingness to invest to save lives.

international reputation for independence, innovation and scientific integrity

Heavy vehicle management:

The ARRB heavy vehicles team comprises highly qualified and experienced engineers, with extensive theoretical and practical understanding of heavy vehicle dynamics, and the safety and operational issues involved with freight transport. The services provided by ARRB are:

- addressing heavy vehicle strategic research needs
- assisting authorities to design and implement innovative performance-based regulatory schemes
- advising industry sectors on key operational safety issues
- guiding regulators on appropriate heavy vehicle weights and dimensions policies
- optimising vehicle designs to maximise safety and productivity.



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.



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

- provision of 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.

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 |
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