

Asset management 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.

ARRB Group Ltd

ABN 68 004 620 651

www.arrb.com.au

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

Head Office:

Australia, Victoria:
500 Burwood Highway
Vermont South VIC 3133
Australia
P: +61 3 9881 1555
F: +61 3 9887 8104
info@arrb.com.au

Regional Offices:

Western Australia:

191 Carr Place
Leederville WA 6007
Australia
P: +61 8 9227 3000
F: +61 8 9227 3030
arrb.wa@arrb.com.au

Queensland:

123 Sandgate Road
Albion QLD 4010
Australia
P: +61 7 3260 3500
F: +61 7 3862 4699
arrb.qld@arrb.com.au

South Australia:

Aurora Building
Suite 507, 147 Pirie St
Adelaide SA 5000
Australia
P: +61 8 7200 2659
F: +61 8 8223 7406
arrb.sa@arrb.com.au

New South Wales:

2-14 Mountain St
Ultimo NSW 2007
Australia
P: +61 2 9282 4444
F: +61 2 9280 4430
arrb.nsw@arrb.com.au

Indonesia:

Mega Plaza Building
12th floor - Suite C
Jl. H. R. Rasuna Said Kav. C-3
Jakarta Selatan Indonesia
P: +62 021 521 2968
F: +62 021 521 2969

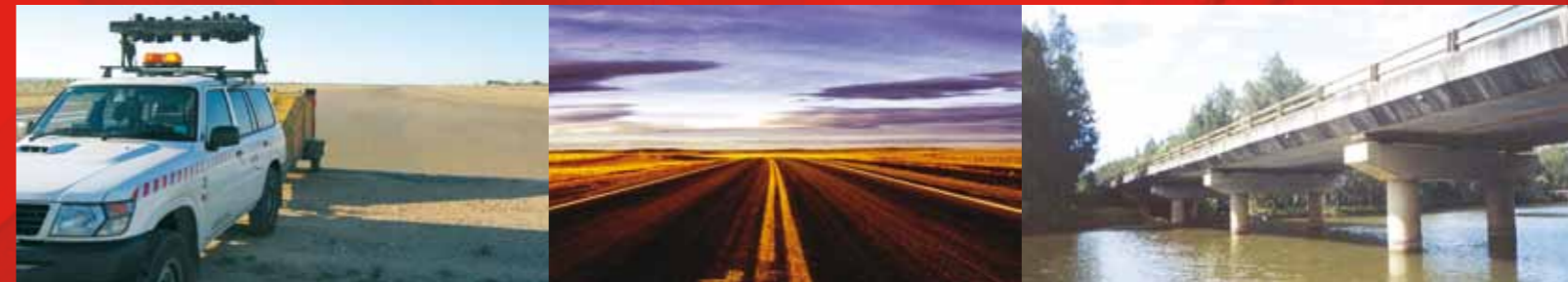
China:

Floor 13, Zhen Xing Building
118 North Hu Bin Road
Xiamen PRC
P: +86 592 2135 552
F: +86 592 2136 663
www.arrb-china.com.cn

UAE:

Unit 101, Al Safa Tower
Sheikh Zayed Road
Dubai, UAE
P: +971 4332 8532
F: +971 4332 8584
www.arrb-me.com

Luxmoore Parking Consulting
Ground Floor, 12 Wellington
Parade
East Melbourne, VIC 3002
P: +61 3 9417 5277
F: +61 3 9416 2602



Asset management solutions

innovative and best value solutions for all networks

For 50 years, ARRB has been at the forefront of research and knowledge in the area of asset management and its associated activities such as data collection, database assembly and management and data analysis. ARRB's long term involvement with the Austroads Research Program provides asset management practitioners in Australia and internationally with the state-of-the-art knowledge resources and tools.

- What are the asset management needs of your organisation?
- Do you know the target condition of your road and bridge assets?
- Do you know the actual condition of your road and bridge assets?
- What is your organisation doing to address any differences between the target and actual condition of your road and bridge assets?
- Are you receiving adequate funding in order to address your existing condition inadequacies?

ARRB has the capability to assist your organisation with effective management of your road and bridge assets.

Your organisation can use part of our services to solve a specific problem or utilise a complete service that is focussed on ensuring sustainable and effective asset management practice within your organisation, which is driven by developing long term relationships, transferring knowledge and providing quality training.

Our 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.

ARRB has a wealth of experience in providing asset management solutions, highlighted by the scope of our clients which range from local government through to state-level, national and international organisations.



Reliable decision making

Maintenance and asset management strategies

ARRB can apply the latest cutting edge research knowledge and state of the art technology to:

- demonstrate strategic investment required at the network level
- ensure optimum use of limited maintenance funds
- demonstrate funding needs to meet road user and community driven service levels
- selection, adaptation and training related to network decision support systems such as HDM-4 or dTIMS
- use of our in-house analysis tools to develop strategic and annual maintenance plans
- report the physical condition of your network in monetary terms via resource need or current asset value
- benchmark your organisation's existing asset management practice and develop an improvement action plan.



Accurate and integrated information

ARRB can provide the technology to rapidly capture data and information that can be applied to effectively manage your network to ensure that optimum performance can be achieved from your road and bridge assets.

We can deliver relevant and quality data and information including:

- pavement profile and roughness
- rutting and surface texture
- pavement strength characteristics
- digital imaging of the road and surrounds
- visual assessment of condition using given standards
- road geometry
- bridge condition
- concrete performance and alkali-aggregate reaction (AAR)
- footpath condition assessment
- GPS location details.

We can also provide information on the following to integrate with the above:

- traffic volumes
- heavy vehicle volumes and axle weights
- high speed weigh-in-motion
- vertical and horizontal alignment
- maintenance cost information.

Appropriate analysis

Having the right information is the first step in best practice asset infrastructure management. This information can be analysed to optimise road and bridge expenditure using long term, soundly based decision tools and expertise of ARRB.



Pavement performance

Through our extensive knowledge of pavement performance prediction and the development of deterioration models, ARRB can assist with the analysis of:

- pavement life cycle costs
- 'what if' scenario analysis
- network performance prediction and monitoring
- project performance models
- links to road user costs.

Bridge performance

Monitoring and investigating the deterioration of bridge structures is critical to ensure the ongoing availability of the road network. Our award winning experts can help in a variety of ways, including:

- correct identification of the cause of deterioration
- detection of AAR
- assessment of residual strength of existing structures
- prediction of remaining life of bridge structures.

Data integration

When you have the right information, creating a system to make it efficiently accessible is critical.

We can assist with:

- relational database management software
- spatial data management
- development of tailored software solutions.