

A proactive approach to understanding crash risk on your local road network

The Australian Road Research Board – helping local government plan and deliver safer roads.

ARRB is the leading provider of value-added applied transport research with over [60 years of experience](#) working with local, state, and national road agencies, providing practical and applied expertise to develop solutions for today and create the knowledge for tomorrow's transport infrastructure needs.

In response to the challenges associated with Australia's transport infrastructure demands, ARRB is leading a range of local road technology and infrastructure development and testing programs. As Australia's National Transport Research Organisation, we provide independent advice and expertise in all aspects of road transport including road data collection, asset management, future transport systems and infrastructure, sustainable and resilient transport options, and transport safety. The recent launch of [ARRB's Best Practice Guides](#) for bridges, unsealed roads, materials, and local sealed roads further demonstrates our collaborative approach with local government.

In transport safety our expert services include:

- Road safety audits, reviews, and Safe System Assessments
- Road infrastructure risk assessments and analysis
- Treatment identification and selection
- Crash investigation and reconstruction
- Road safety strategic planning
- Traffic design/traffic management
- Strategy, policy and practice reviews
- Connected and automated vehicle readiness assessments
- Road asset data collection and management
- Knowledge transfer – workshops (including online delivery)

Panellists at the NSW IPWEA's Local Roads Congress, [Saving Lives on Local Roads](#), were unanimous in highlighting key areas for effective action to improve safety outcomes on council roads, which will be an important contribution to success in delivering the National and State road safety targets.

Critical to effective action by local government to secure support from State and National governments is a road safety strategy informed by an understanding of the road safety risks that exist on local road networks. A proven approach to this is the gathering of knowledge on how and where road infrastructure contributes to such risk.



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But **how can Councils identify road safety risk** and what the best action may be to manage it and reduce road trauma?

For over 20 years ARRB has led research to identify the contribution of **infrastructure** to road crashes, and importantly what action is most effective at reducing the potential and severity of them. This research has seen **ARRB** lead the development of infrastructure risk modelling in Australia and contribute to a global initiative that has seen over 1 million kilometres of roads assessed across 102 countries.

About ARRB

Australian Road Research Board (ARRB) provides research, consulting and information services to the road and transport industry. ARRB is the source of independent expert transport knowledge, advising key decision makers on our nation's most important challenges.

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With almost 150,000 km of Australia's national and state highway network already analysed for road safety risk, the approach to guiding **effective decision making** to treat roads that represent the greatest risk to road users and which treatments will be most effective at reducing risk can also be applied to local government road networks.

ARRB has the tools, the expertise, and the experience of working with road practitioners to provide Councils with the guidance necessary to develop and deliver an effective road infrastructure safety strategy. We can provide local government with:

- **Star rating of existing roads** – identifying where risk is and what is contributing to it.
- **Star rating of road designs** – giving you insight to how new road infrastructure will contribute to a safer network before it is built.
- **Safer Road Investment Planning** – providing Council with advice about improvement program options that optimise safety and identify the reduction in risk, the lives saved, and serious injuries prevented through development of a Safe System.
- **Star rating for Schools** – working with Council and school communities to assess road safety risk to pedestrians around schools.
- **An integrated road safety strategy action plan** – comprising reactive, proactive and predictive analysis to optimise road safety options.
- **Training in infrastructure risk assessment and mitigation** – applying Australian and global best practice tools and techniques.

ARRB's purpose is to enable road practitioners to better manage their road infrastructure through the development of knowledge and sharing through training, guidelines, policy and tools to benefit road users, the community, and the environment.



ARRB is Australia's only independent iRAP accredited supplier of road survey, road attribute coding, and analysis and reporting services. Visit irap.org/accredited-suppliers

Call ARRB to discuss how we can assist you.

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