

INFRASTRUCTURE MEASUREMENT TEAM



Accurately understanding the condition of your road assets is the first and most important step in the effective and efficient management of the road network.

ARRB offers high-quality, ISO 9001:2015 accredited data collection services for data collection for large-scale network surveys, local road system surveys, project dilapidation surveys or ride quality testing.

We have a fleet of survey vehicles, with various configurations to meet your requirements, that can be used anywhere in Australia and New Zealand for data collection.

ARRB can also provide pavement strength testing and road construction quality testing.

OUR FLEET

iPAVe

ARRB's Intelligent Pavement Assessment Vehicle (iPAVe) will change the way your local government authority or road agency manages its road assets.

The iPAVe provides pavement strength testing in a single pass along a road – providing an accurate, cost-effective way of measuring the quality of a road surface and its sub-surface



iSSAVe

One of the most critical parameters for road agencies and road network managers to monitor is skid resistance. However, a more complete picture of a network's safeness can be achieved if additional safety related parameters, such as texture, road geometry and rut depth, are also measured.

With the safety of road users in mind, ARRB built the Intelligent Safe Surface Assessment Vehicle (iSSAVe) - the first machine to produce a complete picture of the safety of a road network.

NSV

Our Network Survey Vehicles are a nimble fleet suited to almost any piece of road network. They have the capability to provide you with valuable data on the condition of your pavements including rutting, roughness, texture, cracking and imagery. The data collected can provide significant benefits to all road authorities, regardless of size, and will help with the efficient and effective management of the road network.



FWD/HWD

Suitable for highways, local roads, railways and airport runways, FWD/HWD testing allows for more accurate and rapid measurement of pavement deflection under loads than traditional methods. The data can assist in applications such as pavement overlay design, pavement condition surveys and in the development and operation of a Pavement Management System (PMS).

RQT

ARRB's Ride Quality Testing (RQT) service involves the measurement of the longitudinal profile of a road surface, commonly known as road roughness.

This testing is ideal for civil contractors that are often required to deliver a predetermined quality of road surface, generally expressed as IRI, as a contract deliverable.

ARRB has over 25 years' experience measuring ride quality with its market-leading Hawkeye laser technology, and can provide certificates of result in the format required by different road authorities.



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WHAT CAN BE DONE WITH COLLECTED DATA?

ARRB has a team of internationally renowned experts that can work with you to interrogate your road network condition data and provide valuable insights into the risks, priorities and to get the most value for your maintenance funding.

We can also work with you to develop comprehensive and persuasive business cases to obtain the funding required for you to maintain your network at the appropriate level of service.

WHO CAN WE HELP?



COUNCILS



ROAD
AGENCIES



STATE AND
TERRITORY
GOVERNMENTS



LOCAL
GOVERNMENT
ENGINEERS



PAVEMENT
DESIGNERS



ROAD
ENGINEERS



ENGINEERING
CONTRACTORS AND
CONSULTANTS

WHAT ARE THE PROBLEMS WE CAN SOLVE FOR YOU?



PAVEMENT
STRENGTH
TESTING



ROAD
CONSTRUCTION
TESTING



LOCAL
ROAD SURVEYS



RIDE QUALITY
TESTING



ROAD ROUGHNESS
TESTING



AUTOMATED
PAVEMENT SURFACE
ASSESSMENTS



CRACK DETECTION
AND MAPPING



ROADSIDE
INVENTORY AND
ASSET MANAGEMENT



ROAD SAFETY
ASSESSMENT



AIRPORT RUNWAY
MAINTENANCE