

# Asper *(Latin: roughness)*

Smarter unsealed road monitoring for Australia, New Zealand and beyond

## At a Glance...

Asper is a compact, low-cost road roughness system designed and built in Australia for the unique needs of rural and regional councils.

Mounted in any vehicle, it delivers fast, reliable insight into unsealed road condition — no cameras, no LiDAR, no complexity — and no driver interaction required.



## Purpose-Built for Regional Roads

Unsealed roads are the lifelines of regional communities — but assessing their condition is often reactive and resource-heavy. Asper provides a proactive, lightweight solution.

## Data That Drives Decisions

### Use Asper data to:

- ⚠ Flag rough sections before safety complaints arise
- 🗺 Create condition maps for unsealed roads
- 📊 Prioritise grading and resheeting operations
- 📁 Back up DRFA claims and maintenance planning with real-world data

## How Asper Works

- ✓ **Precision GNSS + Accelerometer Array**  
Asper uses a finely tuned accelerometer and high-resolution GNSS to measure surface roughness in real time — detecting vibration changes with accuracy, even on rugged and corrugated roads.
- ✓ **Truly Hands-Free Operation**  
Once installed, Asper activates automatically when the vehicle is in motion. No need for staff to press buttons or manage equipment. It just works.
- ✓ **Deploy Fleet-Wide**  
Because Asper is costed for scale, councils can install units in every works supervisor's vehicle, enabling complete unsealed road coverage during normal operations — with no additional staff or time required.
- ✓ **Australian-Owned Cloud Sync**  
All data is synced via Australia Cloud, a secure, sovereign platform owned and operated entirely on Australian soil. Your data never leaves the country and is stored in compliance with local governance requirements.



## Low-Cost. Local. No Fuss.

Designed and manufactured entirely in Australia, Asper reflects our 30+ years of experience in regional road asset management. It's compact, accurate, and priced for wide deployment — so your team can cover more ground, with less effort, and make better decisions every day.

## Flexible Reporting

Outputting native Excel and ESRI Shapefiles, road authorities can express and manipulate data with the highest degree of control. Or, if you have specialised requirements, let us work with you to develop bespoke turn-key reporting.

## Find Out More

Contact our friendly team, to see how the Asper system can easily and dramatically improve your unsealed roads management.

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[www.survai.com.au](http://www.survai.com.au)



## In Australia Cloud

Be assured of the highest security and fidelity of captured data as we have partnered with AU Cloud. Australia's sovereign Cloud provider.

Having data on Australian soil which is managed by REAL Australians has become increasingly important for all levels of government. Additionally, many of our clients have found storing data onsite both costly and a burden to manage.

## Key Benefits for Councils

Set-and-forget installation

Zero driver interaction required

Scaled pricing to suit fleet-wide deployment

All data stored securely in Australia

No new staff, no new vehicles — just results

	Z	AA	AC	AD	AE	AF	AG
Unsealed	Sealwidth	Pavewidth	Formwidth	Chainage From	Chainage To	Roughness	Intervention
ed	0.0	4.0	7.0	4560	5076	4.7	False
ed	0.0	4.0	7.0	5076	5578	5	False
ed	0.0	4.0	7.0	5578	6089	5.1	False
ed	0.0	4.0	7.0	6089	6591	5.3	False
ed	0.0	4.0	7.0	6591	7107	4.9	False
ed	0.0	4.0	7.0	7107	7617	7.1	True
ed	0.0	4.0	7.0	7617	8119	4.6	False
ed	0.0	4.0	7.0	8119	8634	5.4	False
ed	0.0	4.0	7.0	8634	9141	5.3	False
ed	0.0	4.0	7.0	9141	9645	5.5	False
ed	0.0	4.0	7.0	9645	10154	6.2	False
ed	0.0	6.0	9.0	0	507	4.8	False
ed	0.0	6.0	9.0	507	1017	5	False
ed	0.0	6.0	9.0	1017	1517	4.1	False
ed	0.0	6.0	9.0	1517	2032	4.7	False
ed	0.0	6.0	9.0	2032	2546	4.7	False

