



Case Study

Uralla Shire takes control of road condition with AutoPilot

An entire road network captured in one week, with clearer evidence to guide maintenance and long-term asset decisions.

SUPPORTING A CONNECTED REGIONAL COMMUNITY

Uralla Shire Council serves communities across approximately 3,230 square kilometres in northern New South Wales, including Uralla, Bundarra and surrounding rural localities.

Its roads connect residents with services, schools and local businesses. Managing this dispersed network requires a clear understanding of where conditions are changing and which sections need closer assessment. Better inspection evidence gives teams a practical starting point for prioritising available resources.

MOVING BEYOND INFREQUENT ASSESSMENTS

Council wanted more current road condition information and less dependence on fragmented systems and infrequent external assessments.

Inside Local Government reported that five-yearly road condition assessments for asset valuation had historically cost Council around \$110,000. A subscription-based platform offers a different approach, enabling local staff to collect updated evidence more regularly and build their own capability in road condition monitoring.

AN ENTIRE ROAD NETWORK CAPTURED IN ONE WEEK

Council adopted Asset Vision AutoPilot with AI, initially focusing on roads. In April 2026, its staff captured the entire road network in one week, using vehicle-mounted cameras to create a visual record at 10-metre intervals.

The approach puts local staff at the centre of evidence collection, with information available for further assessment after the driven inspection is complete.

1 week

Entire network captured

10 m

Image capture intervals

MORE EVIDENCE FROM EVERY INSPECTION

AutoPilot captures road imagery automatically and makes it available for mapped playback. Teams can revisit locations, examine the surrounding context and extract images with date, time and GPS information.

This extends the value of each inspection beyond the time spent on the road, connecting field evidence with office-based review and maintenance decisions.



Uralla town centre, Uralla Shire

FEATURES THAT SUPPORT PRACTICAL ASSESSMENT

AutoPilot brings field capture and review together through several core capabilities:

- **Automatic image capture** creates a consistent visual record during driven inspections, reducing manual recording and device handling.
- **Location-based playback** links imagery to GPS locations so teams can navigate routes and review road sections from the office.
- **AI-assisted defect detection** flags potential potholes and cracking, helping staff focus on areas that may need attention.
- **Ride quality insights** add information about road smoothness alongside the imagery, highlighting sections for closer assessment.
- **Evidence extraction** provides images with capture metadata to support follow-up assessment and decisions.

AI detections support the review process. Council staff remain responsible for assessing the evidence and deciding the appropriate response.



Gostwyck Anglican Church, Uralla Shire

BUILDING BEYOND ROADS

Following the initial focus on roads, Council has now also captured its footpath network. This extends the program to another important part of the shire's infrastructure, with opportunities to include other asset types and operational areas in future.

TURNING OBSERVATIONS INTO PLANNING EVIDENCE

Goodes Road provided a local example, with potential defects and variations in ride smoothness identified. In its May 2026 announcement, Council reported that the data was helping refine the platform and support consistent condition ratings.

That connection between captured evidence and further assessment gives the inspection program a clear purpose: helping Council decide where to investigate, maintain and invest.

"These insights support better planning, more targeted maintenance, and improved financial reporting."

Mick Raby

Acting General Manager, Uralla Shire Council
Council announcement, May 2026

OUTCOMES AND IMPACT

Council identified several benefits of the approach:

- **More current evidence** to inform decisions and strengthen funding applications.
- **Greater local capability** through reduced reliance on external consultants.
- **Clearer maintenance priorities** to help direct resources where they are needed.
- **Stronger planning information** to support financial reporting and asset valuation.

ABOUT ASSET VISION

Asset Vision is an Australian enterprise asset management provider. Its cloud-based, mobile-first platform helps infrastructure owners connect teams, simplify inspections and maintenance, and make better decisions from field evidence.

Discover how AutoPilot can strengthen your road inspections. Request a demo.

assetvision.com.au