



Intelligent Defect Management for Roads – A Necessity after Eleven Natural Disasters

AT A GLANCE

Challenges

- Aging infrastructure
- Increased community expectations
- A requirement to do more with less

Benefits

- Increased amount of maintenance able to be conducted
- Improve the road network condition
- Greater frequency and efficiency of data capture

THE CHALLENGE

In addition to the “normal” issues faced by Councils, including aging infrastructure, asset growth, increased community expectations, a requirement to do more with less, Shoalhaven City Council has been impacted by eleven Declared Natural Disasters over a three-year period from November 2019. As a result, the road network has suffered substantial damage as well as a reduction of at least 15 years in the design life of its road network.

THE SOLUTION

Six Retina Visions cameras were fit to the Shoalhaven recycling fleet, monitoring the council road network on a fortnightly basis. Retina Visions’ AI technology has drastically improved Shoalhaven’s ability to monitor the road network and maintain a high standard that the community deserves.

THE BENEFITS

- Improved capture of road corridor defects
- Better use of operational resources
- Increased output of outdoor staff
- Improved prioritisation of work orders
- Faster response times for severe defects
- Proof of damage for natural disasters
- Reduced safety risks (particularly for high-speed roads)

“By implementing this method of road inspection, staff are able to be utilised for maintenance work rather than inspection work. Use of dash-cams as inspectors, road maintenance personnel can spend time resolving defects on the network rather than looking for them.”

Trevor Dando - Manager of Works & Services