ROAD MARKING, STUD, SYMBOL AND TRAFFIC SIGN SURVEYS

atm amac
An Eye on the Future of Safety

Project:
Road marking, stud, symbol and traffic sign survey

Location:
National Highways Areas 3 and 4 south and south-east England

Client:
National Highways

SERVICES

🗒 **Asset Surveying**

OVERVIEW

National Highways are responsible for overseeing the network management and maintenance in the south and south-east Areas 3 and 4.

National Highways approached ATM-AMAC to provide asset management surveys to show the retro-reflectivity performance and condition of road markings, studs, symbols and traffic sign assets.

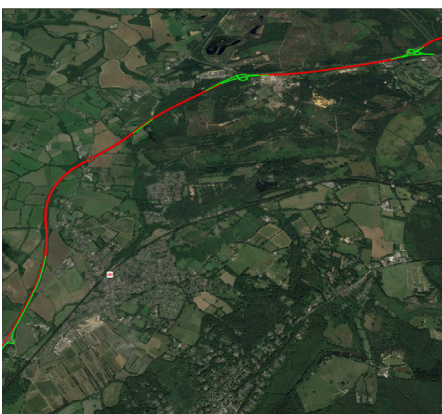Our survey information informs the development of subsequent maintenance and renewal schemes.
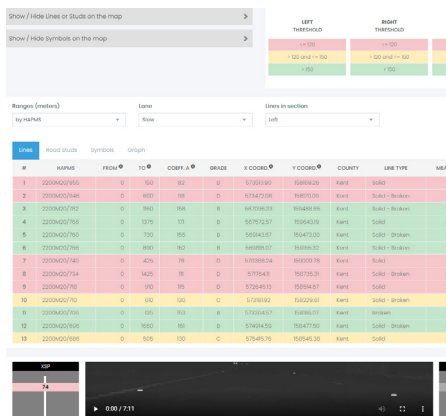
CHALLENGE

To provide an accurate, reliable asset inventory, condition and retro-reflectivity measurement across the large Areas 3 and 4 network, without incurring costly and disruptive traffic management, welfare van and escort vehicle provision for road marking and traffic sign asset sub-categories.

OUR SOLUTION

ATM-AMAC submitted a combined road marking, stud, symbol and traffic sign survey proposal. The survey vehicle has the capability to capture road marking, stud, symbol and traffic sign asset measurements at traffic speeds; measures the inventory, condition and retro-reflectivity of all aspects of each asset, including all traffic sign codes, colours, GPS position and dimensions, height above the carriageway and offset to the carriageway edge; all transferable into any data management software platform clients utilise. The ATM-AMAC system operates at night to enable realistic, repeatable and accurate datasets are collected during the most challenging conditions on our networks, as well as to avoid as much user disruption as possible.

RESULTS / BENEFITS

The analysis tools within the ATM-AMAC system enable reports to be examined by condition and asset type categories.

ATM-AMAC provided raw data (excel), visualisations on a web-based display using our data viewer software, GIS shape files and KML. The deliverables produced enabled our client to review their maintenance and remedial programme in greater detail, update their inventory records, integrate our data into their asset management systems and provided a data-driven decision-making process which ultimately saved them large amounts of money, time and resource they would have otherwise not been able to undertake within the confines of their contract deadlines