



M50 Concession Reference

M50 CONCESSION LTD.

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To Whom it concerns,

In 2016 M50 Concession Limited commissioned Northern Road Markings to complete a performance survey of road markings and markers (studs) who in turn subcontracted Reflective Measurement Systems Ltd using the RetroTek-M Retroreflectometer Technology to complete the survey.

The data was collection on the 42 km of the M50 for the Edge, Lane & Median lines in both directions on both the Northbound & Southbound Carriageways – a total survey distance of approx. 168 km. The Retroreflectivity (RI) and absence /presence of markers/studs were averaged to 100 mts according to CEN EN 1436 and EN 1463 standards respectively.

Data collected included the reflectivity (RI) of the road lines and the absence of presence of road markers/studs. Each Line/asset results were individually presented in a QuickView PDF report with colour coded threshold values averaged over 100 mts The Report included the retroreflectivity (RL), GPS coordinates, time, temp & survey speed. Excel and csv files were also supplied.

We were very satisfied with the survey results and impressed with the RL accuracy of the RetroTek-M and the ability to detect the road markers /studs to within 3% accuracy over 1 km.

This information was very helpful in assisting our maintenance department to prioritise maintenance of road markings and markers/studs where most needed and plan future maintenance schedules.

The contract was delivered on time due to the efficiency of the RetroTek-M system to simultaneously measure the performance of multiple road assets in one pass.

Regards,

Andrew Elliott.

Network manager

M50 Concessions Ltd.