

Surveying Services

WDM® operate a fleet of survey vehicles to provide safe, reliable and cost-effective assessment of road condition. Its survey services, which at the largest, most experienced and widest used in the UK, are delivered by expert operators using a third party accredited quality system. The service is available worldwide and is ideal for clients who do not wish to purchase their own vehicles or those who require limited capacity.



Road Assessment Vehicle (RAV). These vehicles provide measurements of the surface condition of a road, including cracking, to the SCANNER specification at normal road speed. The measurements monitor changes in the condition of networks and provide various key performance indicators helping clients prioritise maintenance.

SCRIM & SCRIMTEX helps save lives by providing accurate continuous measurement of wet road skidding resistance. Delivers extremely reliable results over long distances and is the result of over 60 years of research. Built and operated by WDM®, SCRIM will satisfy design specification and associated tyre standards and results are compatible with skid standards in the UK, New Zealand and the published Austroads guides.



Deflectograph defines the backlog and long term budget requirements needed to maintain the structural integrity of the highway. It's used to measure the transient deflection of a road surface under the action of a rolling wheel at standard loading conditions. The measurements of deflection are used to assess the highway's structural condition and can be used to estimate the residual life of the networks, which is an essential input to asset management plans.

Performance monitoring of highway networks and prioritisation of surface treatment maintenance where measurements of cracking are not required. The Multifunction Road Monitor (MRM) provide all the measurement functions of RAV, except cracking, and is both cost-effective and appropriate for testing urban and unclassified road networks.



UKPMS Coarse Visual Inspection (CVI) Surveys. WDM® is a major provider of CVI surveys to local authorities and its large team of fully certified and experienced surveyors uses accredited software and vehicles specifically design to collect visual data. The WDM® solution includes digital mapping, data input via touch screen, real time processioning and defined collection rules and survey routes.

UKPMS Detailed Visual Inspection (DVI) Surveys. The special team use accredited survey software developed in-house to undertake DVI surveys for local authorities. Its members have extensive experience in planning, scheduling, undertaking and reporting DVI surveys on both carriageways and footways. DVI surveys are undertaken solely on foot, either individually for partial footway surveys, of in teams of two for full surveys. Data is supplied electronically in either HMDIF or WDM® Interchange format.



Collection of layer thickness of road pavements for asset management.

These surveys provide an inventory of the thickness of layers within the pavement while travelling at a normal traffic speed. The results can be used to see the construction layer table in Pavement Management Systems, which then allows measurements of structural strength to be analysed and asset valuation of the network undertaken.