



ROAD MARKING PERFORMANCE

A well performed road marking increases the road safety. Regardless of rain and darkness, the road user should always be sure of the white lines.

To achieve a quick overview of road markings status, mobile measurement is by far the most efficient method. The alternative, handheld measurement, is primarily used in conjunction with guarantee and delivery control, where accuracy requirements are exceptionally high.

Road markings - a safety issue

Road markings on public paved roads follows an European standard to regulate, warn and guide the road users. The markings must meet the traffic environment's ever increasing need for function, safety and environmental consideration.

The correct application of road markings is essential for a high traffic safety level. Today, the EU norm prescribes that handheld measurement with manual instrument is the method applicable, for measurement to provide an objective and true representation of reality.

To get an impression of road marking status on a road network level,

mobile measurement is the best alternative. The mobile surveys are efficient, fast and, above all, ensure road safety. In many places, the traffic situation is such that mobile measurement is the only alternative, if the process is to be performed without having to close the road entirely for the duration of the process. If the supplier and buyer agree on the measurement results, no further measurement with handheld instrument is required.

Ramboll RST's credentials

For measuring visibility in darkness, Ramboll RST utilises the Danish instrument LTL-M from Delta. The instrument measures according to European norms. One of the advantages of the system is that it can perform at normal traffic speed.

As all instrument is of the latest model, measurement data is delivered to the system every metre, regardless of the measuring vehicle's speed. This is of the utmost importance when it comes

to correctly measuring the Swedish intermittent road side markings. Ramboll RST's system for handheld instrument is also optimized to provide rational measurement.

When the measurement process is complete and digitally registered, protocols, summaries and measurement conditions are ready for printing. Traffic safety is ensured through the use of specially equipped vehicles. →

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Correct function

It is important that road markings provide the desired function and contribute to increased road safety. However, the purpose of checking road markings may differ.

Over the last few years, delivery and guarantee control of road markings with functional guarantee has to an increasing extent been performed using mobile instruments. This is primarily valid for highways and other roads carrying a heavy traffic load, where the measuring process would otherwise entail major disruptions regarding accessibility. Mobile measurement has, during the last few years, been performed at the request of road authorities and contractors in Sweden, Denmark, Norway, Germany, Poland, Hungary, Holland, Belgium, England, Scotland and Ireland.

This includes instances such as:

- Delivery control, which shows if the contractor has executed road markings as agreed.
- Measurement at the end of the guarantee period, to ascertain that the road markings fulfil functional requirements.
- Random inspection to check running function contracts.
- Measurements to improve the efficiency of the maintenance planning.

