

## Re: Delineation Framework Call Off 28

### Delineation High Speed Monitoring Contract 2016

21/09/2016  
Data | Date

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Northern Road Markings Carried out the above contract for Transport Infrastructure Ireland in late spring 2016. The Contract involved the following

- Survey of all centrelines on 5500km of national route. (R<sub>L</sub>)
- Survey of one edge line on 5500km of route. (R<sub>L</sub>)
- Additional surveys on over 1000km of motorway centre, edge and lane lines. (R<sub>L</sub>)
- Performance surveys of all raised pavement markers on all lines surveyed. (machine visual)
- Performance surveys of motorway median barrier reflectors. (machine visual)
- Performance assessment of junction markings and studs.(visual)

All retro-reflectivity surveys were carried out using the RMS Retro-TEC mobile retro-reflectometer. Surveys are backed up with Retro-TEC digital video images and database of the survey. The survey equipment was calibrated and certified to standard EN 30m geometry.

The detail survey is available for in depth review using an online portal showing simultaneous measurement and video. Summary survey data was provided for 100m and 1000m averages in geo-referenced excel format.

Average data was collated and plotted onto national A3 presentation maps for each major survey feature group. Maps were additionally enhanced by a bar chart of route by route performance. A national average pie chart was also presented on each map.

Northern Road Markings and their specialist sub-contractor performed the complete survey project, post survey collation and digital representation in a short window in accordance with the contract.

The Contract was performed to the satisfaction of TII and delivered in mid June 2016.



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