



Bonneagar Iompair Éireann
Transport Infrastructure Ireland

TII Publications



Notes for Guidance on the Method of Measurement for Road Works Series MMNG 1400 - Electrical Work for Road Lighting and Traffic Signs

CC-GMP-01400

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About TII

Transport Infrastructure Ireland (TII) is responsible for managing and improving the country's national road and light rail networks.

About TII Publications

TII maintains an online suite of technical publications, which is managed through the TII Publications website. The contents of TII Publications is clearly split into 'Standards' and 'Technical' documentation. All documentation for implementation on TII schemes is collectively referred to as TII Publications (Standards), and all other documentation within the system is collectively referred to as TII Publications (Technical). This system replaces the NRA Design Manual for Roads and Bridges (NRA DMRB) and the NRA Manual of Contract Documents for Road Works (NRA MCDRW).

Document Attributes

Each document within TII Publications has a range of attributes associated with it, which allows for efficient access and retrieval of the document from the website. These attributes are also contained on the inside cover of each current document, for reference. For migration of documents from the NRA and RPA to the new system, each current document was assigned with new outer front and rear covers. Apart from the covers, and inside cover pages, the documents contain the same information as previously within the NRA or RPA systems, including historical references such as those contained within NRA DMRB and NRA MCDRW.

Document Attributes

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NRA DMRB and MCDRW References

For all documents that existed within the NRA DMRB or the NRA MCDRW prior to the launch of TII Publications, the NRA document reference used previously is listed above under 'historical reference'. The TII Publication Number also shown above now supersedes this historical reference. All historical references within this document are deemed to be replaced by the TII Publication Number. For the equivalent TII Publication Number for all other historical references contained within this document, please refer to the TII Publications website.

Series 1400: Electrical Work for Road Lighting and Traffic Signs

1 Location of Cables

The measurement of quantities for locating buried cables should only be applied to those cases where the Engineer requires a length of cable to be located and should not be applied to the situation where an end or particular point has to be found to facilitate a connection or joint. The latter is covered by Preamble 2(vii) to the Bill of Quantities and various references within item coverages. The limits of areas within which the locating of buried cables is required should be shown clearly.

2 Earth Electrodes

The exact number of electrodes required is determined according to the results of resistivity surveys on the soils which will be in contact with the electrodes. Such surveys cannot be done at tender stage where electrodes are to be installed on embankments or in the bottoms of deep cuttings and it is suggested that the quantities billed in such cases are marked "provisional".



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