



Bonneagar Iompair Éireann  
Transport Infrastructure Ireland

## TII Publications



---

# Notes for Guidance on the Method of Measurement for Road Works - Contents

**CC-GMP-00051**

March 2015

## 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inside cover pages, the documents contain the same information as previously within the NRA or RPA systems, including historical references such as those contained within NRA DMRB and NRA MCDRW.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

<b>TII Publication Title</b>	<i>Notes for Guidance on the Method of Measurement for Road Works - Contents</i>
<b>TII Publication Number</b>	<i>CC-GMP-00051</i>

<b>Activity</b>	<i>Construction &amp; Commissioning (CC)</i>
<b>Stream</b>	<i>Guidance for Measuring and Pricing (GMP)</i>
<b>Document Number</b>	<i>00051</i>

<b>Document Set</b>	<i>Standards</i>
<b>Publication Date</b>	<i>March 2015</i>
<b>Historical Reference</b>	<i>MMNG Contents</i>

## 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NRA MCDRW prior to the launch of TII Publications, the NRA document reference used previously is listed above under 'historical reference'. The TII Publication Number also shown above now supersedes this historical reference. All historical references within this document are deemed to be replaced by the TII Publication Number.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.

---

MANUAL OF CONTRACT DOCUMENTS FOR ROAD WORKS: VOLUME 3 SECTION 2:  
METHOD OF MEASUREMENT FOR ROAD WORKS

# Contents

---

---

## Introduction

### Chapters I, II and III

- Item
- Coverage
- Extra
- Over
- Items
- Remove from Store and Re-erect/Re-install/Relay
- Hard Material
- Testing
- Modification and New Materials

### Chapter IV

#### Series 100 Preliminaries

- Privately and Publicly Owned Services and Supplies
- Maintenance of Roadways
- Contraflows (Traffic Safety and Management)
- Temporary Diversion for Traffic
- Damage to the Roadway

#### Series 200 Site Clearance

- Obstructions Above Ground Level
- Take Up or Down
- Damage to Items

#### Series 300 Fencing and Environmental Noise Barriers

- Temporary Fencing
- Concrete Foundations or Longer Posts
- Series 400 Safety Barriers and Pedestrian Guardrails**
  - Safety Barriers
  - Vehicle Parapets
  - Pedestrian Guardrails and Handrails
  - Materials for Standard Parapets
  
- Series 500 Drainage and Service Ducts**
  - Tabulated Billing
  - Drainage and Service Ducts in Structures
  - Alternative Types of Pavement
  
- Series 600 Earthworks**
  - General
  - Processing Materials
  - Compaction and Deposition of Fill
  - Geological Terms
  - Alternative Types of Pavement
  - Capping
  - Hard Material
  - Crib Walling, Reinforced Earth Structures and Anchored Earth Structures
  - Typical Earthworks Schedules
  - Ground Water Lowering
  - Trial Pits
  - Perforation of Redundant Slabs, Basements and the Like
  - Geotextiles
  - Stated Class of Imported Material
  - Imported Topsoil and Topsoiling
  - Processing of Unacceptable Material Class U1
  - Soil Improvement
  
- Series 700 Pavements**
  - Joints
  - Alternative Types of Pavements
  - Bond Coats
  - Repairs to Existing Concrete Carriageways
  - Regulating

Lower Base and Upper Base  
Low Energy Bound Mixtures  
Geotextiles and Geotextile-related products  
Repair Systems

**Series 800** *Not taken up*

**Series 900** *Not taken up*

**Series 1000** *Not taken up*

**Series 1100** **Kerbs, Footways and Paved Areas**  
Steps

**Series 1200** *Not taken up*

**Series 1300** *Not taken up*

**Series 1400** **Electrical Work for Road Lighting and Traffic Signs**  
Location of Cables  
Earth Electrodes

**Series 1500** **Motorway Communications**  
TV Monitoring to Motorways, Other Roads and Temporary Diversions for Traffic  
Location of Cables  
Application to Non-Motorway Schemes

**Series 1600** **Piling and Embedded Retaining Walls**  
Casings and Linings  
Steel Bearing Piles  
Embedded Retaining Walls  
Instrumentation for Piles and Embedded Retaining Walls  
Propping and Anchorages for Embedded Retaining Walls  
King Post Walls

**Series 1700** **Structural Concrete**  
Curved Formwork  
Finishes to Concrete  
Underbridges and Footbridges

**Series 1800 Structural Steelwork**

Miscellaneous

Surface Preparation

**Series 1900 *Not taken up***

**Series 2000 Waterproofing for Structures**

Additional Protective Layers

**Series 2100 *Not taken up***

**Series 2200 Parapets**

Series not used

**Series 2300 *Not taken up***

**Series 2400 Brickwork, Blockwork and Stonework**

General

**Series 2500 Special Structures**

Designated Outlines

Foundations

Alterations

Detailing of Designed Outlines

**Series 2600 *Not taken up***

**Series 2700 Accommodation Works and Works for Statutory Undertakers**

General





Bonneagar Iompair Éireann  
Transport Infrastructure Ireland



Ionad Ghnó Gheata na  
Páirce,

Stráid Gheata na Páirce,  
Baile Átha Cliath 8, Éire



[www.tii.ie](http://www.tii.ie)



+353 (01) 646 3600



Parkgate Business Centre,  
Parkgate Street,  
Dublin 8, Ireland



[info@tii.ie](mailto:info@tii.ie)



+353 (01) 646 3601