



Bonneagar Iompair Éireann
Transport Infrastructure Ireland

TII Publications

GE PE DN CC OP AM RE

Footway Design

DN-PAV-03026
January 2005

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inside cover pages, the documents contain the same information as previously within the NRA or RPA systems, including historical references such as those contained within NRA DMRB and NRA MCDRW.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

TII Publication Title	<i>Footway Design</i>
TII Publication Number	<i>DN-PAV-03026</i>

Activity	<i>Design (DN)</i>
Stream	<i>Pavement (PAV)</i>
Document Number	<i>03026</i>

Document Set	<i>Standards</i>
Publication Date	<i>January 2005</i>
Historical Reference	<i>HD 39</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NRA MCDRW prior to the launch of TII Publications, the NRA document reference used previously is listed above under 'historical reference'. The TII Publication Number also shown above now supersedes this historical reference. All historical references within this document are deemed to be replaced by the TII Publication Number. For the equivalent TII Publication Number for all other historical references contained within this document, please refer to the TII Publications website.

NRA ADDENDUM TO

HD 39/01

FOOTWAY DESIGN

This Addendum supersedes the NRA Addendum dated June 2001 which implemented the revised Standard HD 39/01 and incorporates changes related to the introduction of the revised Series 900.

Standard HD 39/01 – Footway Design – is applicable in Ireland with the following amendments:

GENERAL

1. At several locations:

For: “Overseeing Department”
Read: “National Roads Authority”;

For: “highway”
Read: “road”;

For: “Specification (MCHW 1)” or “(MCHW1)”
Read: “NRA Specification for Road Works”;

For: “Notes for Guidance (MCHW 2)” or “(MCHW2)”
Read: “NRA Notes for Guidance on Specification for Road Works”;

For: “Type 1”
Read: “Type A”;

For: “hot rolled asphalt” or “HRA”
Read: “rolled asphalt”;

For: “wearing course”
Read: “surface course”;

For: “base course”
Read: “binder course”;

For: “roadbase”
Read: “base”.

SPECIFIC

Chapter 1 – Introduction

- 1.1 Page 1/1, Paragraph 1.2:
After Paragraph 1.2 add the following:
“Clay pavers are not covered by the NRA Specification for Road Works. Design Organisations shall seek approval from the National Roads Authority before their use in any contract.”
- 1.2 Page 1/1, Paragraph 1.3:
Delete Paragraph 1.3 and replace with:

“1.3 This Standard should be used forthwith for all schemes for the construction and/or improvement of national roads. The Standard should be applied to the design of schemes already being prepared unless, in the opinion of the National Roads Authority, application would result in significant additional expense or delay progress. In such cases, Design Organisations should confirm the application of this Standard to particular schemes with the National Roads Authority.”

Chapter 2 – Design Considerations

- 2.1 Page 2/1, Section 2, Paragraph 2.2, line 9 and Page 2/3, Section 2, Paragraph 2.15, line 14:
For: “or the NIRAUC Specification for the Reinstatement of Openings in Roads (1995) in Northern Ireland”
Read: “or the Guidelines for the Opening, Backfilling and Reinstatement of Trenches in Public Roads (published by the Department of the Environment, Heritage and Local Government)”.
- 2.2 Page 2/4, Section 2, Paragraph 2.19, line 9:
For: “In Northern Ireland refer to “Roads Service’s Policy and Procedures Guide, RSPPG_E010”).”
Read: “Also refer to the relevant Road Authority’s guidance).”

Chapter 3 – Structural Design

- 3.1 Page 3/1, Section 3, Paragraph 3.4, line 6:
For: “the Meteorological Advisory Services”
Read: “Met Éireann, Glasnevin Hill, Dublin 9”.
- 3.2 Page 3/3, Section 3, Paragraph 3.9, line 12:
For: “British Standards”
Read: “Irish or British Standards”.

3.3 Page 3/3, Section 3, Paragraph 3.11, line 12:
Delete: “(CBM1 or stronger)”.

3.4 Page 3/4, Section 3, Tables 3.3 & 3.4:
For: “CBM 1 (or stronger)”
Read: “CBM”.

Chapter 4 – Materials

4.1 Page 4/1, Section 4, Table 4.1:
Delete: “50/14 hot rolled asphalt basecourse;”

4.2 Page 4/1, Section 4, Table 4.1:
For: “...hot rolled asphalt...”
Read: “...rolled asphalt...”

4.3 Page 4/1, Section 4, Table 4.1:
For: “BS 7533: Part 3 (Note 1)” and “BS 7533: Parts 1-3”
Read: “BS 6717: Part 3”.

4.4 Page 4/3, Section 4, Paragraph 4.8, line 7:
For: “unless NUJG accreditation has been gained”
Read: “unless approval has been received from the NRA”.

4.5 Page 4/4, Section 4, Paragraph 4.14, line 9:
Delete: “(Interpave . . . clay pavers)”.

4.6 Page 4/5, Section 4, Paragraph 4.23, line 4:
For: “NAMAS accredited”
Read: “Irish National Accreditation Board (INAB) accredited”.

Chapter 5 – References and Bibliography

5.1 Page 5/1, References and Bibliography, reference 1:
Delete reference to HD 40 which is not applicable in Ireland.

5.2 Page 5/1, References and Bibliography, reference 2:
Delete reference to the Manual of Contract Documents for
Highway Works and replace with:
“NRA Manual of Contract Documents for Road Works:

Volume 1: Specification for Road Works

Volume 2: Notes for Guidance on the Specification for
Road Works.”

Chapter 6 – Enquiries

6.1 Page 6/1, Section 6:

Delete text and replace with:

“6.1 All technical enquiries or comments on this Standard should be sent in writing to:

Head of Project Management and Engineering
National Roads Authority
St Martin’s House
Waterloo Road
Dublin 4”



.....
E O’CONNOR
Head of Project Management and Engineering



Bonneagar Iompair Éireann
Transport Infrastructure Ireland



Ionad Ghnó Gheata na
Páirce,

Stráid Gheata na Páirce,
Baile Átha Cliath 8, Éire



Parkgate Business Centre,
Parkgate Street,
Dublin 8, Ireland



www.tii.ie



+353 (01) 646 3600



info@tii.ie



+353 (01) 646 3601