



Bonneagar Iompair Éireann
Transport Infrastructure Ireland

TII Publications

GE PE DN CC OP AM RE

Expansion Joints for Use in Highway Bridge Decks

DN-STR-03006
December 2000

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inside cover pages, the documents contain the same information as previously within the NRA or RPA systems, including historical references such as those contained within NRA DMRB and NRA MCDRW.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>Expansion Joints for Use in Highway Bridge Decks</i>
TII Publication Number	<i>DN-STR-03006</i>

Activity	<i>Design (DN)</i>
Stream	<i>Structures (STR)</i>
Document Number	<i>03006</i>

Document Set	<i>Standards</i>
Publication Date	<i>December 2000</i>
Historical Reference	<i>BD 33</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NRA MCDRW prior to the launch of TII Publications, the NRA document reference used previously is listed above under 'historical reference'. The TII Publication Number also shown above now supersedes this historical reference. All historical references within this document are deemed to be replaced by the TII Publication Number. For the equivalent TII Publication Number for all other historical references contained within this document, please refer to the TII Publications website.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
BD 33/94
EXPANSION JOINTS
FOR USE IN HIGHWAY BRIDGE DECKS

Standard BD 33/94 - Expansion Joints for Use in Highway Bridge Decks - is applicable in Ireland with the following amendments:

GENERAL

1. The Standard provides specification requirements for use in public purchasing contracts. It does not lay down legislation requirements for products and materials used in road construction in Ireland.

2. At several locations:

For: “BD 24 (DMRB 1.3.1)”

Read: “NRA BD 24 (NRA DMRB 1.3.1)”;

For: “Departmental type approval”

Read: “National Roads Authority type approval”;

For: “highway”

Read: “road”;

For: “Highways Agency” or “HA”

Read: “National Roads Authority”;

For: “Overseeing Organisation”

Read: “National Roads Authority”.

SPECIFIC

1. BD 33/94

- 1.1 Page 1/1, Paragraph 1.5, line 5:
For: "Specification for Highway Works (MCHW 1)"
Read: "NRA Specification for Road Works"
- 1.2 Page 1/1, Paragraph 1.5, line 7:
Delete final sentence beginning, "The type approval scheme is administered by..."
- 1.3 Page 1/1, Paragraph 1.6:
Delete text and replace with:
"1.6 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."
- 1.4 Page 2/1, Paragraph 2.10, line 3:
For: "Departmental Registration"
Read: "National Roads Authority approval."
- 1.5 Page 9/1, Paragraph 1:
For: "**1. Design Manual for Roads and Bridges (DMRB)**"
Read: "**1. Design Manual for Roads and Bridges (DMRB), as implemented in Ireland**";

For: "BD 24 Design of Concrete Bridges. Use of BS 5400: Part 4 (DMRB 1.3.1)"
Read: "NRA BD 24 The Design of Concrete Road Bridges and Structures. Use of BS 5400: Part 4 (NRA DMRB 1.3.1)".
- 1.6 Page 9/1, Paragraph 2:
Delete Paragraph 2 and replace with:
"2. NRA Manual of Contract Documents for Road Works

Volume 1: Specification for Road Works".

- 1.7 Page 10/1, Section 10:
Delete text and replace with:
“10.1 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”

2. Annex A

- 2.1 Page A/1, Paragraph A1.2, line 3:
For: “to be carried out by a laboratory accredited in accordance with BS 7502 by the National Measurement Accreditation Service (NAMAS) for such tests”
Read: “to be carried out by a laboratory accredited in accordance with IS/EN 450001 by the Irish Laboratory Accreditation Board (ILAB) for such tests”.
- 2.2 Page A/1, Paragraph A1.3, line 3:
For: “a testing laboratory accredited in accordance with BS 7502 by the National Measurement Accreditation Service (NAMAS) for such tests”
Read: “a testing laboratory accredited in accordance with IS/EN 450001 by the Irish Laboratory Accreditation Board (ILAB) for such tests”.
- 2.3 Page A/2, Paragraph A3, line 1:
For: “Motorway and Trunk Road Network”
Read: “Motorway and National Road Network”



.....
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



info@tii.ie



+353 (01) 646 3600



+353 (01) 646 3601