



Bonneagar Iompair Éireann
Transport Infrastructure Ireland

TII Publications

GE PE DN CC OP AM RE

Pavement Construction Methods

CC-PAV-04003
July 2004

Withdrawn

NRA ADDENDUM TO

HD 27/04

PAVEMENT CONSTRUCTION METHODS

Standard HD 27/04 – Pavement Construction Methods – is applicable to Ireland with the following amendments:

Instructions for Use

1. Remove NRA Addendum to HD 27/94 from Volume 7, Section 2 Part 4 and archive as necessary.
2. Insert NRA Addendum to HD 27/04 into Volume 7, Section 2 Part 4.

GENERAL

1. At several locations:

For: “Specification for Highways Works (MCDHW 1)” or “Specification (MCDHW1)”
Read: “NRA Specification for Road Works”;

For: “Notes for Guidance on the Specification for Highway Works (MCDHW2)”
Read: “NRA Notes for Guidance on the NRA Specification for Road Works.”;

For: “Highway Construction Details (MCDHW3)”
Read: “NRA Road Construction Details”;

For: “trunk road”
Read: “national road”;

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

SPECIFIC

Chapter 1 – Introduction

- 1.1 Page 1/1, Paragraph 1.2:
Delete Paragraph 1.2 and replace with:
“1.2 This Standard should be used for with for all schemes for the construction, improvement and maintenance of national roads (including motorways). 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 expense or delay progress. Design Organisations should confirm the application of this Standard to particular schemes with the National Roads Authority.”
- 1.2 Page 1/1. Paragraph 1.3, line 3:
For: “Overseeing Department’s Specification for Highways Works (MCHW1).”
Read: “NRA Specification for Road Works.”

Chapter 2 – Widening of Pavements

- 2.1 Page 2/2, Paragraph 2.5, line 4:
Delete the word “obtained” and replace with the word “sought.” Delete also “in accordance with the advice given in HD 29 (DMRB 7.3.2) and HD 30 (DMRB 7.3.6)”
- 2.2 Page 2/2, Paragraph 2.6:
Delete this paragraph and replace with:
“The NRA have developed a procedure for the assessment of flexible pavements. It allows optimisation of overlay design and construction of widening to provide an overall uniform pavement performance (deflection). Advice on the interpretation of results and design of appropriate strengthening measures is given in HD 30 (DMRB 7.3.3).”
- 2.3 Page 2/2, Paragraphs 2.7 and 2.8:
Delete these paragraphs.
- 2.4 Page 2/2, Paragraph 2.9, Line 2:
For: “on- standard”
Read: “non- standard”
- 2.5 Page 2/3, Paragraph 2.20, Line 4 to Line 10:
Delete the phrase commencing “...continuously reinforced...” and ending “...due to thermal effects.” and replace with “...HMB, CRCP and CRCR should not be used.”

- 2.6 Page 2/3, Paragraph 2.22:
Delete this paragraph
- 2.7 Page 2/3, Paragraph 2.23, Line 4:
Delete the words "...High Modulus Base (HMB) asphalt, flexible composite construction or Continuously Reinforced Concrete Pavement (CRCP)..." and replace with "...flexible composite construction..."
- 2.8 Page 2/3, Paragraph 2.24, Line 2:
Delete the words "...both HMB and CRCP should be considered as options..." and replace with "...flexible composite constructions should be considered as an option..."

Chapter 3 – Rapid Construction and Repair of Concrete Pavements

- 3.1 Page 3/2, Paragraph 3.12, Line 3:
For: "Concretes..."
Read "In the UK, concretes..."
- 3.2 Page 3/2, Paragraph 3.13:
After Paragraph 3.13 add the following: "The aforementioned cements and concrete mixes 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."
- 3.3 Page 3/3, Paragraph 3.24, Line 3:
For: "Cork seals..."
Read: "Approved cork or alternative seals..."
- 3.4 Page 3/4, Paragraph 3.34, Line 7:
For: "...the British Standard."
Read: "...BS 5212."
- 3.5 Page 3/4, Paragraph 3.35, Line 6:
Delete last sentence: "Pre-compressed neoprene... Certificate 8.8/2123C."
- 3.6 Page 3/4, Paragraph 3.37, Line 2:
For: "BS 1881 (1983)."
Read: "BS EN 12390-2:2000 and BS 1881..."

Chapter 5 - Enquiries

5.1 Page 5/1:

Delete text and replace with:

“5.1 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