

NRA ADDENDUM TO

HD 23/99

PAVEMENT DESIGN AND MAINTENANCE GENERAL INFORMATION

Standard HD 23/99 – Pavement Design and Maintenance – General Information – is applicable in Ireland with the following amendments:

1. At several locations:

For: “Overseeing Organisation”
Read: “National Roads Authority”.
2. Page 1/1, Paragraph 1.6, line 1:
For: “trunk roads”
Read: “national roads”.
3. Page 1/1, Paragraph 1.6, line 8:
For: “Overseeing Organisation’s”
Read: “Road Authority’s”.
4. Page 1/1, Paragraph 1.9:
Delete text and replace with:
“1.9 Frequent references are made to the following documents from the 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.

- Volume 4: Road Construction Details.”
5. Page 1/1, Paragraph 1.10, line 2:
For: “British Standards”
Read: “Irish and British Standards”.

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6. Page 2/1, Paragraph 2.5, line 2:
Delete: "in the UK".
 7. Page 3/1, Paragraph 3.10:
Insert at the end of Paragraph 3.10:
"Part 4 gives advice on the use of Ground Penetration Radar."
 8. Page 3/2, Section 2, Part 1:
For: "3. Structural Assessment & Maintenance"
Read: "3. Structural Assessment & Maintenance Method".
 9. Page 3/2, Section 3, Part 2:
For: "5. Specialist Test Methods
6. Interpretation"
Read: "5. Falling Weight Deflectometer
6. References and Bibliography".
 10. Page 3/2, Section 3, Part 2, Annex:
For "1. Deflection Beam"
Read "1. Not currently used".
 11. Page 3/2, Section 3, Part 3, HD30:
Delete text and replace with:
"Maintenance Assessment Procedure
 1. Introduction
 2. Pavement Deterioration Mechanisms
 3. Routine Survey Data
 4. Collection and Review of Existing Data
 5. Further Investigations
 6. Interpretation
 7. Treatment
 8. References and Bibliography
 9. Enquiries**Annex**
 - A. Test Methods at Investigation Sites
 - B. Design Methods for Concrete Overlays".
 12. Page 3/3, Section 5, Part 2:
For: "2. Bituminous Surfacing Materials"
Read: "2. Laying Bituminous Surface Courses".
 13. Page 3/3, Section 5, Part 2:
For: "6. Thin Surfacing"
Read: "6. Thin Wearing Course Systems".

14. Page 5/1, Principal Abbreviations:
Insert the following:
“HCV Heavy Commercial Vehicle”;
“ILAB Irish Laboratory Approval Board”;
“IS Irish Standard”;
“NSAI National Standards Authority of Ireland”.

15. Page 6/1, Chapter 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”.



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E O’CONNOR
Head of Project Management and
Engineering

