

NRA ADDENDUM TO

BD 74/00

FOUNDATIONS

Standard BD 74/00 - Foundations - 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: "Specification for Highway Works (MCHW 1)" or "MCHW 1"
Read: "NRA Specification for Road Works";

For: "highway"
Read: "road";

For: "Overseeing Organisation"
Read: "National Roads Authority";

For: "British Standard"
Read: "British or Irish Standard";

For: "BD 24 (DMRB 1.3)"
Read: "NRA BD 24 (NRA DMRB 1.3.1)".

SPECIFIC

1. BD 74/00

1.1 Page 1/1, Paragraph 1.5:
Delete Paragraph 1.5 and replace with:

"1.5 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."

- 1.2 Page 2/1, Paragraph 2.1, line 5:
Delete last sentence “Where reference . . . Organisation.” and replace with:
“Where reference is made to any Irish, British or International Standard, this shall be taken as reference to that standard as implemented by the National Roads Authority.”
- 1.3 Page 2/1, Paragraph 2.2:
Delete Paragraph 2.2 and replace with:
“2.2 The method of assessment of existing bridge foundations shall be agreed with the National Roads Authority.”
- 1.4 Page 2/1, Paragraph 2.9:
Delete Paragraph 2.9 and replace with:
“2.9 Where reference is made to the NRA Specification for Road Works, this should be read as also referring to the NRA Notes for Guidance on the Specification for Road Works.”
- 1.5 Page 3/1, Section 3.1:
For: “BS 144: 1990 Wood preservation using coal tar creosotes.”
Read “BS 144: 1997 Wood preservation using coal tar creosotes.”;

For: “BS 7375: 1991 Code of Practice for Distribution of Electricity on Construction and Building Sites.”
Read “BS 7375: 1996 Code of Practice for Distribution of Electricity on Construction and Building Sites.”
- 1.6 Page 3/1, Section 3.2:
For: “**Design Manual for Roads and Bridges. The Stationary Office**”
Read: “**Design Manual for Roads and Bridges (DMRB), as implemented in Ireland**”.
- 1.7 Page 3/1, Section 3.3:
Delete Section 3.3 and replace with:
“**3.3 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.”
- 1.8 Page 4/1, Section 4:
Delete text and replace with:
“4.1 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/4, Amendment to Clause 3.2.8.2:
Delete Amendment to Clause 3.2.8.2 and replace with:
“**3.2.8.2** *Effects of vegetation.*
Paragraph 2, Line 5, after “BS 5837”, add: “and the House Building Manual published by the National House Building Guarantee Company”.”
- 2.2 Page A/4, Amendment to Clause 5.2.1:
Delete Amendment to Clause 5.2.1 and replace with:
“**5.2.1 Quality**
Line 3, replace “British Standards” with “British, Irish or International Standards, as implemented by the DMRB Standards. The use of permanent timber is to be treated as an aspect not covered by Standards.” ”
- 2.3 Page A/10, Amendments to Clause 9.1.2 and 9.2:
Delete amendments to Clause 9.1.2 and 9.2 and replace with:
“**9.1.2 Archaeological finds on construction sites***
Delete Paragraphs 1, 2 and 3 entirely and replace with:
“The management of archaeological heritage on construction sites shall be in accordance with the published Code of Practice agreed between the National Roads Authority and the Minister for Arts, Heritage, Gaeltacht and The Islands.”
Line 17, for “preceding paragraphs” read “Code of Practice”.
* at the bottom of page 115, delete text and replace with
“Assistance may be obtained from The Heritage Council, Kilkenny or through Dúchas, the Heritage Service of the Department of Arts, Heritage, Gaeltacht and the Islands, Dun Aihirgin, 43-49 Mespil Road, Dublin 4.”

9.2 Design of foundations

At end of clause, add new paragraph:
“The design should be formulated to avoid, reduce or control risks to health and safety as far as is reasonably practicable so that the foundations can be constructed and maintained safely. The designer should comply with the Safety, Health and Welfare at Work (Construction) Regulations, 1995, where these are applicable (see Section 11.1.1).” ”

- 2.4 Page A/11, Amendment to Clause 11.1.1:
Delete Amendment to Clause 11.1.1 and replace with:
“**11.1.1 Statutory requirements**
At end of clause, add new paragraph:
“It is also necessary to comply with other more recent statutory regulations which are listed in Appendix D. These include the Safety, Health and Welfare at Work (Construction) Regulations, 1995, which impose additional responsibilities on the Client, Designer, Project Supervisor and Principal Contractor. These are intended

to ensure that health and safety is taken into account and co-ordinated and managed effectively throughout all stages of a project from conception, design and planning through to construction and subsequent maintenance and repair.” ”

- 2.5 Page A/12 and A/13, Amendments to Appendix D:
Delete amendments to “**APPENDIX D** . . . Northern Ireland Health and Safety Legislation applies.”
and replace with:
“**APPENDIX D. Recommendations and statutory requirements affecting the safety, welfare and health of persons at work**

Delete text and replace with:
“Particular attention is drawn to the following statutory requirements affecting the safety, welfare and health of persons at work.
The Safety, Health and Welfare at Work Act, 1989 and the Regulations made under its powers
Factories Act, 1955
Dangerous Substances Acts, 1972
Dangerous Substances (Amendments) Acts, 1979” ”

- 2.6 Page A/13, Amendment to Publications referred to:
After “Civil engineering Code of Practice No.2 Earth Retaining Structures” add:
“**The following publication referred to is to be added:**
Code of Practice between The National Roads Authority and The Minister for Arts, Heritage, Gaeltacht and the Islands.”

3. Annex B

- 3.1 Page B/1, Paragraph B.3.3, line 2:
For: “Highways Agency”
Read: “UK Highways Agency”.

4. Annex C

- 4.1 Page C/8, Paragraph C3.3, line 2:
For: “1800”
Read: “1700”.



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