

**ANNEX 1  
PUBLICATIONS REFERRED TO IN THE  
NOTES FOR GUIDANCE**

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# ANNEX 1

## PUBLICATIONS REFERRED TO IN THE NOTES FOR GUIDANCE

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BS EN ISO 2440	Flexible and rigid cellular polymeric materials - Accelerated aging tests (11/03)	Table NG 1/1
'BS EN ISO 2808, BS 3900-C5'	Paints and varnishes. Determination of film thickness (11/06)	1914 5012
'BS EN ISO 2811-1, BS 3900-A19'	Paints and varnishes. Determination of destiny. Pycnometer method (11/06)	5009 5009NI
BS EN ISO 2813	Paint and varnishes. Measurement of specular gloss of non-metallic Paint films at 20°, 60° and 85° (05/03)	1911 5008
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BS EN ISO 8502-8, BS 7079-B8	Preparation of steel substrates before application of paints and related products. Test for the assessment of surface cleanness. Field method for the refractometric determination of moisture (11/09)	1914 5012
BS EN ISO 8504-3 (BS 7079-D3)	Preparation of steel substrates before application of paints and related products. Surface preparation methods. Hand-and power-tool cleaning (11/09)	5003 5003NI
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**2. (05/01) BRITISH STANDARD CODES OF PRACTICE**  
**(Published by the British Standards Institution)**

CP 312 Code of practice for plastic pipework (thermoplastic materials)

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3. (05/01) **BRITISH STANDARD DRAFTS FOR DEVELOPMENT (DD)  
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DD 232: 2005	Method for determination of the maximum binder content of bituminous mixtures without excessive binder drainage (05/06)	Table NG 1/1

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EN 1905	Plastics piping and ducting systems. Unplasticized poly (vinyl chloride) (PVC-U) pipes, fittings and material. Method of assessing of the PVC content based on total chloride content	NG Sample Appx 5/7 (Table 1)
EN 45002	General criteria for the assessment of testing laboratories (05/04)	1001
EN 45011	General requirements for bodies operating product certification systems (05/06)	104
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prEN 13074	Bitumen and Bituminous binders - Recovery of binder from bitumen emulsions by evaporation (11/09)	955
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**5. (05/01) INTERNATIONAL STANDARDS**

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		<b>NG Specification Clause/Table/Sample Appendix</b>
ISO 2808	Paints and vanishes. Determination of the film thickness	1914
ISO 4440	Thermoplastics pipes and fittings. Determination of melt mass-flow rate (11/09)	NG Sample Appx 5/7 (Table 2)
ISO 4451	Polyethylene (PE) pipes and fittings. Determination of reference density of uncoloured and black polyethylenes (11/09)	NG Sample Appx 5/7 (Tables 1, 2 and 3)
ISO 11819	Measurement of the influence of road surfaces on traffic noise	
ISO 11819-1	Part 1: Statistical Pass-by method (05/06)	918 922
ISO 12091	Structured-wall thermoplastics pipes- Oven test	NG Sample Appx 5/7 (Table 1)

6. (11/09) **PUBLICATIONS OF: DEPARTMENT FOR TRANSPORT; DEPARTMENT FOR ENVIRONMENT FOOD AND RURAL AFFAIRS; SCOTTISH GOVERNMENT; WELSH ASSEMBLY GOVERNMENT; THE DEPARTMENT FOR REGIONAL DEVELOPMENT (NORTHERN IRELAND); AND THEIR PREDECESSORS**

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Traffic Signs Manual - Chapter 5	1212 1213
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Working Drawings for Traffic Sign Design and Manufacture (3 Volumes)	1206 1206NI

7. (05/01) **UK OVERSEEING ORGANISATIONS PUBLICATIONS INCLUDING THEIR PREDECESSOR'S PUBLICATIONS**

(Published by The Stationery Office or HMSO)

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BD 26	Design of Lighting Columns (DMRB 2.2.1) (11/09)	1301 1301 NI 1303 #NG Sample Appx 13/1 NG Sample Appx 13/1NI NG Sample Appx 13/2
BD 33	Expansion Joints for Use in Highway Bridge Decks (DMRB 2.3.6)	NG Sample Appx 23/1
BD 35	Quality Assurance Scheme for Paints and Similar Protective Coatings (DMRB 2.4.1) (11/09)	1901 1914 5008 5012
BD 70	Strengthening/Reinforced Soils and other Fills for Retaining Walls and Bridge Abutments (Use of BS 8006 : 1995) (MCHW 2.1.5) (02/03)	622 2502
BD 74	Foundations (DMRB 2.1.8) (11/03)	1602 1603 1610
BD 83	Design of CCTV Masts (DMRB 2.2.11) (11/03)	#1301 1301 NI 1303 NG Sample Appx 13/5 NG Sample Appx 13/6

BD 87	Maintenance Painting of Steelwork (DMRB 3.2.2) (05/03)	5012
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HA 44	Design and Preparation of Contract Documents. (DMRB 4.1.1) (11/09)	605
HA 65	Design Guide for Environmental Barriers (DMRB 10.5.1)	2504
HA 66	Environmental Barriers : Technical Requirements (DMRB 10.5.2)	2504
HA 74	Treatment of Fill and Capping Materials Using Either Lime or Cement or Both (DMRB 4.1.6) (11/09)	840
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HD 31	Maintenance of Bituminous Roads (DMRB 7.4.1)	#706 926
HD 32	Maintenance of Concrete Roads (DMRB 7.4.2)	#706
HD 35	Conversation and the Use of Secondary and Recycled Materials (DMRB 7.1.2) (05/06)	800

HD 36	Surface Materials for New and Maintenance Construction (DMRB 7.5.1) (11/09)	NG Sample Appx 7/3 NG Sample Appx 7/7 NG Sample Appx 7/21 901 918 919 922 924 Table NG 9/24 942 1044
HD 37	Bituminous Surfacing Materials and Techniques (DMRB 7.5.2) (11/09)	NG Sample Appx 7/2 NG Sample Appx 7/3 NG Sample Appx 7/21 918 919 920 922
HD 38	Concrete Surfacing and Materials (DRMB 7.5.2)	1044
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TA 60	The Use of Variable Message Signs on All-Purpose and Motorway Trunk Roads (DMRB 8.2)	#1206 1206NI
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TD 19	Requirement for Road Restraint Systems (DMRB 2.2.8) (11/09)	NG Sample Appx 1/26 404 412
TD 33	The Use of Variable Message Signs on All-Purpose and Motorway Trunk Roads (DMRB 8.2.2) (05/06)	1206 1206NI
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SA 9	Ground Investigation Procedure (MCHW 5.3.2) (11/03)	600 1601
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SD 13	Documentation Requirements for Ground Investigation Contracts (11/09)	1601
	Design Manual for Roads and Bridges (DMRB). Volume 7 (11/09)	700 824 900 909 1000
	Design Manual for Roads and Bridges (DMRB). Volume 8	1301 1301NI

Design Manual for Roads and Bridges (DMRB). Volume 9 (11/09)	1301 1301NI
Design Manual for Roads and Bridges (DMRB). Volume 10 (11/09)	1301 1301NI 3004 3006 3012
Trunk Road Maintenance Manual Volume 1 (11/09)	2606
WO Trunk Road Management and Maintenance Notice 2/86	2606

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**8. (11/05) HIGHWAYS AGENCY (traffic systems and signing) PUBLICATIONS**  
**(www.tssplansregistry.org) (11/05)**

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**Traffic Control and Communications - Specifications**

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MCH 1099	NMCS Non-Armoured Cables: Installed Cable Testing Procedures (11/09)	Table NG 1/1
MCH 1349	NMCS: Maintenance Instruction Motorway and Trunk Roads Technology Operational and Maintenance Requirements of Technology Systems and Equipment (05/06)	1525 1529
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MCH 1540	Specification for the Installation of Detector Loops on Motorways and all Purpose Trunk Roads (11/09)	Table NG 1/1 1218
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9. (05/01) **TRANSPORT RESEARCH LABORATORY REPORTS**

(Published by TRL (formerly TRRL))

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LR 346	Selection of materials for sub-surface drains - R Spalding	505 515
LR 1094	Pre split blasting for highway rock excavation - G D Matheson, 1983	603
LR 1102	Compaction of bituminous road materials using vibratory rollers - W D Powell and D Leech, 1983 (11/09)	903
PR 113	Advice on integrity testing of piles - A J C Gent and P Darley	1608
RR 45	Winter air temperature in relation to frost damage in roads - P T Sherwood and P G Roe (11/09)	813
RR 53	Ground vibration caused by civil engineering works - B M New	607
RR 130	Pilot-scale studies of the trafficability of soil by earthmoving vehicles, A W Parsons and A F Toombs	632SE
PR 72	Swelling pressure of compacted clayey backfill	610
TRL 152	Earth pressures against an experimental retaining wall backfilled with Lias Clay, A H Brookes, D R Carder, P Darley	610
TRL 176	Laboratory tests on high friction surfaces for highways (11/09)	942
TRL 273	Use and application of the MCA with particular reference to glacial tills - G D Matheson and M G Winter	632SE
TRL 447	Sulfate specification for structural backfills, J M Reid, M A Czerewko and J C Cripps, 2001 (11/09)	Table NG 1/1 601 644 NG Sample Appx 6/1 840
TRL 494	The Behaviour of Asphalt in Adverse Hot Weather Conditions (11/09)	903
TRL 611	A Guide to the use and specification of cold recycled materials for the maintenance of road pavement - D Nerrill M E Nunn and I Carswell (11/09)	814 816 820
TRL 636	The application of Enrobe a Module Eleve in flexible pavements (11/09)	930 953
Road Note 39	Design Guide for Road Surface Dressing. J C Nicholls (11/09)	NG Sample Appx 7/3 NG Sample Appx 7/21 919 922

10. (05/01) ACTS AND STATUTORY INSTRUMENTS

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The Roads (Northern Ireland) Order 1980	117NI
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Road Vehicles Lighting Regulations (Northern Ireland) 2000 (11/09)	NG Sample Appx 1/20NI
The Highway Code 1993	NG Sample Appx 1/17
The Road Traffic (Northern Ireland) Order 1981	NG Sample Appx 1/20NI
The Road Traffic (Northern Ireland) Order 1995	NG Sample Appx 1/20NI
Motor Vehicles (Construction and Use) Regulations (Northern Ireland) 1999	NG Sample Appx 1/20NI
The Road Traffic Regulations 1984 (11/09)	NG Sample Appx 1/27
Health and Safety at Work etc. Act (1974) (05/06)	521
Construction (Health, Safety and Welfare) Regulations (1996) (11/03)	521
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The Special Waste Amendment (Scotland) Regulations 2004 (11/05)	601SE
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The New Roads and Street Works Act 1991	706
The Electricity at Work Regulations 1989	1424
The Electricity at Work Regulations (Northern Ireland) 1991	1424NI
The Traffic Signs Regulations (Northern Ireland) 1997 (11/09)	NG Sample Appx 1/2NI 1200NI 1206NI 1212 1213 NG Sample Appx 12/1NI
The Water Act (1989)	1618
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The Wildlife and Countryside Act 1981	3003 3012
The Protection of Badgers Act 1992 (11/09)	3003
The Wildlife (Northern Ireland) Order (11/09)	3003
The Habitat Regulations 1994	3012
The Control of Lead at Work Regulations (05/03)	5001
The Control of Lead at Work Regulations (Northern Ireland) 2002 (05/03)	5001
The Control of Substances Hazardous to Health Regulations 2002 (11/09)	1903 5003
The Control of Substances Hazardous to Health Regulations (Northern Ireland) 1999 (11/09)	1903NI 5003NI

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**11. (05/01) QUALITY MANAGEMENT SYSTEMS**

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Scheme 2 - Supply and Installation of Fences (05/04)	NG Sample Appx 4/2
Scheme 2A - Sector Scheme Document for the Design and/or Supply, Installation and Repair of Fences for Infrastructure Works (11/09)	Table NG 1/2 NG Sample Appx 4/2
Scheme 2B - Sector Scheme Document for the Supply, Installation and Repair of Vehicle Restraint Systems (11/09)	Table NG 1/2 NG Sample Appx 4/2
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Scheme 16 - Sector Scheme Document for the Laying of Asphalt Mixes (11/06)	Table NG 1/2
Scheme 17 - Sector Scheme Document for Vehicle Recovery at Highways Construction Sites (11/06)	Table NG 1/2
Scheme 18 - Sector Scheme Document for the Environment and Landscaping including Ecology (11/06)	Table NG 1/2
Scheme 19 - Sector Scheme Document for Corrosion Protection of Transportation Infrastructure Assets, 19A: Corrosion Protection of Ferrous Materials by Industrial Coatings (11/06)	Table NG 1/2

**12. (05/01) BRITISH BOARD OF AGRÉMENT CERTIFICATES**

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British Board of Agrément Certificates (BBA Certificates,  
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SUPERSEDED

13. (05/01) **MISCELLANEOUS**

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The Institution of Civil Engineers (ICE) Conditions of Contracts - Thomas Telford Limited	000
The American Society for Testing and Materials Standard ASTM D2628 (Standard Specification for Preformed Polychloroprene Elastomeric Joint Seals for Concrete Pavements. Clause 1016, 1017) (11/09)	Table NG 1/1
IAN 65/05 Design of Vehicle Recovery Operations at Road Works (11/05)	NG Sample Appx 1/20
Standards for fresh concrete - BS EN 206-1 and BS 8500. British Standards Publishing Limited (05/04)	402
Directive for Assessment of Anchor Bolts (MOAT 42). European Union of Agrément	403 1305
BRE Special Digest SD1. Concrete in aggressive ground. (Published in four parts) (11/09)	501
Building Research Establishment (11/05)	644 1602 1603 1704 2505
HSE Manual Handling Operations Regulations 1992, Guidance on Regulations L/23-98	507 518
HSE Booklet HS(G) 47. Avoiding danger from underground services	NG Sample Appx 5/2
Soil Guideline Values published by DEFRA and the Environment Agency (11/04) <a href="http://environment-agency.gov.uk/commondata/105385/guide_to_using_sgvs_675263.pdf">http://environment-agency.gov.uk/commondata/105385/guide_to_using_sgvs_675263.pdf</a>	601 NG Sample Appx 6/15
The Institution of Civil Engineers (ICE) Specification for Ground Investigation, Thomas Telford Limited - 1987	630
PP 5930:2002: Site investigations. A guide for higher education to BS 5930:1999. Code of practice for site investigations. British Standards Publishing Limited (11/03)	642
Specification for the Reinstatement of Openings in Highways. Issued by the Highway Authorities and Utilities Committee	706
Concrete Pavement Maintenance Manual, Concrete Society (11/09)	706 706 NI 1000

‘Quality Protocol for the Production of Aggregates’ from Inert Waste – ‘Producers’ Compliance Checklist Waste and Resources Action Programme, available from WRAP, The Old Academy, 21 Horse Fair, Banbury OX16 0AH. The document is also available on the WRAP website, <a href="http://www.wrap.org.uk/">http://www.wrap.org.uk/</a> (11/09)	710
PD 6682-6 ‘Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction - Guidance on the use of BS EN 13242’ British Standards Publishing Limited (05/04)	801
CCIP-009 Hydraulically bound Mixtures for Pavements. Concrete Society (11/09)	814 816
BP/16 Stabilisation of sulphate-bearing soils. Britpave (11/09)	840
BSI PD6691 Guidance on the use of BS EN 13108 Bituminous mixtures. Material specifications. British Standards Publishing Limited (11/09)	901 902 909 911 911TS 915 929 Table NG 9/25 930 937 Table NG 9/26 943 Table NG 9/33
PD 6682-2: Aggregates for bituminuous mixtures and surface treatments for roads, airfields and other trafficked areas - Guidance on the use of BS EN 13043 (05/06)	901
IAN 96/07 Guidance on Implementing Results of Research on Bridge Deck Waterproofing (11/09)	903
Road Surface Treatment Association (RSTA) documents (11/09)	919
PD 6689 Surface dressing. Guidance on the use of BS EN 122271. British Standards Publishing Limited (11/09)	919 922
The American Society for Testing and Materials Standard ASTM D 2872-88 Test Method for Effect of Heat and Air and a moving film of Asphalt (11/09)	955
Institute of Petroleum Test Method IP PM CM/02 (11/09)	956
Mechanical Construction of Concrete Pavements and Ancillary Works - Concrete Society - Technical Report No. 45	1000
Design of Concrete Mixes. HMSO, 1988	1000
A Guide to Concrete Road Construction. HMSO, 1978	1024
Temporary Road Markings: Working Group Findings, dated March 2003 Published by the Highways Agency (08/03)	1212

Institution of Lighting Engineers Technical Report 7: 2000 edition (11/03)		NG Sample Appx 13/4 NG Sample Appx 13/5
Code of Practice for Electrical Safety in Highway Electrical Operation - Institution of Lighting Engineers (ILE) (05/06)	1401	
The Institution of Civil Engineers (ICE) Specification for Piling and Embedded Retaining Walls 1996 with modifications	1601 1608 1609	
Tomlinson M J (1986). Foundation Design and Construction	1602	
Hammond A J, Mitchell J M and Lord J A (1980). Design and construction of driven cast in situ piles in stiff fissured clays. Proc. Recent Developments in the Design and Construction of Piles, ICE, pp 157-168	1602	
Fleming W G K (1993). The improvement of pile performance by base grouting. Proc. ICE May 1993 pp 88 - 93	1603	
CIRIA Report PG2. Review of Problems Associated with Construction of Cast-in-Place Concrete piles	1603	
CIRIA Report PG1. A review of Bearing Pile Types. Construction Industry Research & Information Assoc	1605	
CIRIA Report RP408. The Role of Integrity Testing & Other Non-Destructive Testing in the Evaluation of Piled Foundations	1608	
CIRIA Report PG7. Pile Load Testing Procedures	1609	
Specification for steel sheet piling. Federation of Piling Specialists	1615	
Cornfield G M (1989). Steel Bearing Piles	1615	
API Recommended Practice 13B-1. Standard Procedure for Field Testing Water-based Drilling Fluids. American Petroleum Institute 1990	Table NG 16/1 1618	
CIRIA Report PB3. The Use & Influence of Bentonite in Bore Pile Construction	1618	
Hutchinson M T, Daw G P, Shotton P G, James A N (1975). The Properties of Bentonite Slurries Used in Diaphragm Walls and their Control. Proc. Diaphragm walls and anchorages, ICE, pp 33-40	1618	
BRE Digest 357. Shrinkage of natural aggregates in concrete (1991)	1702	
The Lovibond 2000 Comparator and disc reference no. 296570. Tintometer Ltd, Waterloo Road, Salisbury, Wiltshire (05/04)	1702	
BRE Digest 330. Alkali - silica reaction in concrete, Parts 1-4 (1997)	1704	
The Thaumassite form of sulfate attack: Risks, diagnosis, remedial works and guidance on new construction. DTER 1999 (11/03)	1704	
Appearance Matters 3 The Control of Blemishes in Concrete. William Monks - Cement and Concrete Association - 1981 (out of print) (05/03)	1708	

Formwork Striking Times - Methods of Assessment. CIRIA (Report No. 67)	1710
Early-age Thermal Crack Control in Concrete. CIRIA (Report No. 91)	1710
Winter Concreting. Cement and Concrete Association	1710
Proposal for a Standard of Acceptance Tests and Verification of Epoxy Bonding Agents for Segmental Construction. Fédération Internationale de le Précontrainte Publication FIP/9/2. Available from British Cement Association (05/02)	1710
Grouting of Tendons in Prestressed Concrete. Fédération Internationale de le Précontrainte Guide to Good Practice. Thomas Telford Ltd	1711
Durable Bonded Post - Tensioned Concrete Bridges Technical Report 47	1711
Concrete Society Technical Report TR47 'Durable Bonded Post-tensioned Concrete Bridges' 2nd edition (11/03)	1711
International Federation for Structural Concrete (fib) (Technical Report, Bulletin No. 7) for 'Corrugated plastic ducts for internal bonded post-tensioning) (11/03)	1711
Spacers. The Concrete Society (Report CS 101)	1714
Post - Tensioned Concrete Bridges - Thomas Telford Limited 1999	1727
Testing and Monitoring the Durability of Concrete Structures. Technical Guide No. 2. Cement and Concrete Association	1727
The Steel Construction Institute Publication 170. Specification for Structural Steelwork for Bridges: A Model Appendix 18/1	1801
Document JSS II-09-1996, Society of Steel Construction of Japan - Sets of Torque Type High Strength Bolt, Hexagon Nut and Plain Washers (02/03)	1801
Manual of sewer, pumping mains and manholes Foundation for water Research, 1993	2505
Report of the Inquiry into Serious Gas Explosions P J King (Chairman of the Inquiry) & Department of Energy, HMSO, June 1997 (11/09)	2506
Model of specification for Control of Japanese Knotweed	3002
Technical Bulletin : Water Restrictions and Watering Specification, The Landscape Institute, 1996	3008
Bird Boxes by Chris de Feu - British Trust for Ornithology	3012
National Plant specification from The Horticulture Trades association	NG Sample Appx 30/6