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 527-1	Plastics. Determination of tensile properties. General principles. (11/03)	NG Sample Appx 5/7 Tables 1 and 2
	BS EN ISO 1183-3-3	Plastics. Methods for determining the density of non-cellular plastics. Gas pyknometer method. (11/03)	NG Sample Appx 5/7 Tables 1 and 2

BS EN ISO 1856	Flexible cellular polymeric materials. Determination of compression set. (11/03)	Table NG 1/1
BS EN ISO 2440	Flexible and rigid cellular polymeric materials - Accelerated aging tests. (11/03)	Table NG 1/1
BS EN ISO 2808	8 Paints and varnishes. Determination of film thickness. (05/03)	1914 5012
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
BS EN ISO 3506-1	Mechanical properties of corrosion-resistant stainless steel fasteners. Part 1: Bolts, screws and studs (11/03)	Table NG 1/1 1801
BS EN ISO 3506-2	Part 2: Nuts (11/03)	Table NG 1/1 1801
BS EN ISO 6259	Thermoplastics pipes. Determination of tensile properties. General test method. (11/03)	NG Sample Appx 5/7 Tables 1 and 2
BS EN ISO 8502-4	Preparation of steel substrates before application of paints and related products. Test for the assessment of surface cleanness. Guidance in the estimation of the probability of condensation prior to paint application. (05/03)	1914
BS EN ISO 8502-8	Preparation of steel substrates before application of paints and related products. (05/03)	5012 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. (05/03)	5003
(DS 7077-DS)	Trand-and power-tool cleaning. (03/03)	5003NI
BS EN ISO 9001	Quality management systems. Requirements (05/04)	104 Appx 1/24 NG Sample Appx 7/3 NG Sample Appx 7/4 NG Sample Appx 7/7 NG Sample Appx 7/21
BS EN ISO 1133	Plastics. Determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics. (11/03)	NG Sample Appx 5/7 Tables 2 and 3
BS ISO 1817	Physical testing of rubber. Determination of the effects of liquids. (11/03)	Table NG 1/1

2. (05/01) BRITISH STANDARD CODES OF PRACTICE

(Published by the British Standards Institution)

NG Specification Clause/Table/Sample Appendix

Note: Code of practice published under a BS NO. are included in Section 1

in Section 1

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

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3. (05/01) BRITISH STANDARD DRAFTS FOR DEVELOPMENT (DD) DOCUMENTS

(Published by the British Standards Institution)

		NG Specification Clause/Table/Sample Appendix
DD 213	Method for determination of the indirect tensile stiffness modulus of bituminous mixtures.	NG Sample Appx 7/1 944
DD 226	Method of determining resistance to permanent deformation of bituminous mixtures subject to unconfined dynamic loading.	NG Sample Appx 7/1 944 952
DD 232	Method for determination of the maximum binder content of bituminous mixtures without excessive binder drainage (11/03)	Table NG 1/1

4 (05/01) EUROPEAN STANDARDS

(Including draft standards (prEN))

	(Including draft standards (prest))	
		NG Specification Clause/Table/Sample Appendix
EN 727	Plastics piping and ducting systems. Thermoplastics pipes. Determination of Vicat softening temperature (VST).	NG Sample Appx 5/7 (Table 2)
EN 743	Plastics piping and ducting systems. Thermoplastics pipes. Determination of the longitudinal reversion.	NG Sample Appx 5/7 (Table 1)
EN 763	Plastics piping and ducting systems. Injection moulded thermoplastics fittings. Test method for visually assessing effects of heating.	NG Sample Appx 5/7 (Table 1)
EN 922	Plastics piping and ducting systems. Pipes and fittings of unplasticized poly (vinyl chloride) (PVC-U). Specimen preparation and calculation of the K-value.	NG Sample Appx 5/7 (Table 1)
EN 1829	High pressure cleaners. High pressure water jet machines. Safety requirements. (11/03)	521
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 45 002	General criteria for the assessment of testing laboratories. (05/04)	1001
EN 45 011	General criteria for certification bodies operating product certification.	104
EN 45 012	General criteria for certification bodies operating quality system certification.	104
DD ENV 1317-4:2002	Road restraint systems. Performance classes, impact test acceptance criteria and test methods for terminals and transitions of safety barrier (05/04)	401 NG Sample Appx 4/2
prEN ISO 3126	Plastics piping systems. Plastic piping components. Measurement and Determination of Dimensions (Document number 00/124147(PR188NO381)).	518
prEN 12 272-2	Surface Dressing - Test Methods Part 2: Visual Assessment of Defects.	922
prEN 12 274-8	Slurry Surfacing - Test Methods Part 8: Visual Assessment of Defects.	918
prEN 13 074	Bitumen and Bituminous binders - Recovery of binder from bitumen emulsions by evaporation. (11/03)	923 923 (Table 1)
prEN 13 877-1 (October 2003)	Concrete pavements Part 1: Materials for concrete pavements (05/04)	1000 1001
prEN 13 877-2 (January 2002)	Concrete pavements Part 2: Functional requirements for concrete pavements (05/04)	1000

5. (05/01) **INTERNATIONAL STANDARDS**

(Published by the International Organization for Standardization)

		NG Specification Clause/Table/Sample Appendix
ISO 527	Plastics. Determination of tensile proportions.	NG Sample Appx 5/7 (Table 3)
ISO 1133	Plastics. Determination of the melt mass rate (MFR) and the melt volume-flow rate (MVR) of thermoplastic.	NG Sample Appx 5/7 (Table 3)
ISO 1183	Plastics. Methods for determining the density and relative density of non-cellular plastics.	NG Sample Appx 5/7
ISO 2808	Paints and vanishes. Determination of the film thickness.	1914
ISO 4440	Thermoplastics pipes and fittings. Determination of melt mass-flow rate.	NG Sample Appx 5/7 (Table 1)
ISO 4451	Polyethylene (PE) pipes and fittings. Determination of reference	
	density of uncoloured and black polyethylenes.	NG Sample Appx 5/7 (Table 1)
ISO 11819	Measurement of the influence of road surfaces on traffic noise	
	Part 1. Statistical Pass-BY method.	918 922
ISO 12091	Structured-wall thermoplastics pipes- Oven test.	NG Sample Appx 5/7 (Table 1)

6. (05/01) DEPARTMENT OF TRANSPORT; DEPARTMENT OF ENVIRONMENT, TRANSPORT AND THE REGIONS; SCOTTISH DEVELOPMENT DEPARTMENT; THE SCOTTISH OFFICE; WELSH OFFICE, AND DEPARTMENT OF THE ENVIRONMENT FOR NORTHERN IRELAND PUBLICATIONS

(Published by The Stationery Office or HMSO)

NG Specification Clause/Table/Sample Appendix

Traffic Signs Manual - Chapter 5.

Traffic Signs Manual - Chapter 7. 1202
Traffic Signs Manual - Chapter 8. 117

ranic Signs Manual - Chapter 8.

NG Sample Appx 1/2 NG Sample Appx 1/2NI

1216

Working Drawings for Traffic Sign Design and Manufacture. (3 Volumes)

1206 1206NI

Local Transport Note 2/94: Directional Informationary Signs Interim Design Note.

1202

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

(Published by the Stationery Office or HMSO)

		NG Specification Clause/Table/Sample Appendix
	Bridges - Advice Notes	
BA 27	Quality Assurance Scheme for Paints and Similar Protective Coatings. (DMRB 2.4.2) (05/03)	1901 5008
	Bridges - Standards	
BD 2	Technical Approval of Highway Structures. (DMRB 1.1.1) (05/04)	NG Sample Appx 1/19 NG Sample Appx 6/10 1710 NG Sample Appx 13/1 NG Sample Appx 25/2 NG Sample Appx 25/4
BD 7	Weathering Steel for Highway Structures. (DMRB 2.3.8) (02/03)	2504
BD 12	Design of Corrugated Steel Buried Structures with Spans Greater than 0.9 metres and up to 8 metres. (DMRB 2.2.6) (02/03)	623
BD 20	Bridge Bearings – Use of BS 5400: Part 9: 1983. (DMRB 2.3.1)	2101 NG Sample Appx 21/1
BD 24	Design of Concrete Highway Bridges. Use of BS 5400 : Part 4 : 1990. (DMRB 1,3.1)	1602 1603 1610
BD 26	Design of Lighting Columns. (DMRB 2.2.1) (11/03)	1301 1301 NI 1303 #NG Sample Appx 13/1 NG Sample Appx 13/1NI NG Sample Appx 13/2 NG Sample Appx 13/1NI
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) (05/03)	1914 1912SE 5008 5012
BD 52	The Design of Highway Bridge Parapets. (DMRB 2.3.3)	2201 NG Sample Appx 22/1
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

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BD 74	Foundations. (DMRB 2.1.8) (11/03)	1602 1603
BD 83	Design of CCTV Masts. (DMRB 2.2.11) (11/03)	1610 #1301 1301 NI
		NG Sample Appx 13/5 NG Sample Appx 13/6
BD 87	Maintenance Painting of Steelwork (DMRB 3.2.2) (05/03)	5012
BD 88	Design of Cantilever Masts for Traffic Signals and/or Speed Cameras (DMRB 2.2.13) (11/03)	#1301 1301 NI 1303 NG Sample Appx 13/7
	Highways - Advice Notes	
HA 40	Determination of Pipe and Bedding Combinations for Drainage Works. (DMRB 4.2.5) (02/03)	501 NG Sample Appx 5/1 2505
HA 41	A Permeameter for Road Drainage Layers (DMRB 4.2)	640
HA 44	Earthworks: Design and Preparation of Contract Documents. (DMRB 4.1.1)	605 NG Sample Appx 6/1
HA 65	Design Guide for Environmental Barriers. (DMRB 10.5.1)	2504
HA 66	Environmental Barriers: Technical Requirements. (DMRB 10.5.2)	2504
	Highways - Standards	
HD 22	Managing Geotechnical Risk. (DMRB 4.1.2) (02/03)	1601 1704
HD 25	Pavement Design and Maintenance: Foundations. (DMRB 7.2.2) (05/04)	613 801
HD 26	Pavement Design. (DMRB 7.2.3) (02/03)	701 936 1042
HD 27	Pavement Design and Maintenance: Pavement Construction Methods. (DMRB 7.2.4)	938
HD 36	Pavement Design and Maintenance: Skidding Resistance. (DMRB 7.5.1) (05/04)	NG Sample Appx 7/1 NG Sample Appx 7/3 NG Sample Appx 7/7 NG Sample Appx 7/21
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HD 31	Maintenance of Bituminous Roads. (DMRB 7.4.1)	#706 926

Maintenance of Concrete Roads. (DMRB 7.4.2) Bituminous Surfacing Materials and Techniques. (DMRB 7.5.2)	#706 NG Sample Appx 7/2 NG Sample Appx 7/3 NG Sample Appx 7/21
	919 922
Concrete Surfacing and Materials (DRMB 7.5.2)	1044
Traffic Engineering - Advice Notes	
The Use of Variable Message Signs on All-Purpose and Motorway Trunk Roads. (DMRB 8.2)	1206 1206NI
Currency of the Traffic Signs Manual. (DMRB 8.2.2)	117 117NI
Convoy Working (DMRB 8.4.5)	7 117 117NI
Narrow lane and tidal flow operations on motorways and dual carriageway trunk roads with full width hard shoulders. (DMRB 8.4.3)	117
Traffic Engineering - Standards	117NI
The Use of Variable Message Signs on All-Purpose and Motorway Trunk Roads. (DMRB 8.2)	1206 1206NI
The Mobile Lane Closure Technique for Use on Motorway and Other Dual Carriageway Trunk Roads. (DMRB 8.4.4) (11/03)	117 117NI
Contracts - Advice Notes	
List of Approved/Registered Products. (MCHW 0.3.1)	104 1901
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Testing in Highway Construction Contracts. (MCHW 0.3.3)	000 105
Ground Investigation Procedure. (MCHW 5.3.2) (11/03)	600 1601
Contracts - Standards	
Procedures for Adoption of Proprietary Manufactured Structures. (MCHW 0.2.4)	106
Construction (Design and Management) Regulations 1994: Requirements for Health and Safety File (MCHW 6.1.11). (02/03) Design Manual for Roads and Bridges (DMRB).	000 600 605 1200 1200NI 1301 1302 1301NI
	Concrete Surfacing Materials and Techniques. (DMRB 7.5.2) Traffic Engineering - Advice Notes The Use of Variable Message Signs on All-Purpose and Motorway Trunk Roads. (DMRB 8.2) Currency of the Traffic Signs Manual. (DMRB 8.2.2) Convoy Working (DMRB 8.4.5) Narrow lane and tidal flow operations on motorways and dual carriageway trunk roads with full width hard shoulders. (DMRB 8.4.3) Traffic Engineering - Standards The Use of Variable Message Signs on All-Purpose and Motorway Trunk Roads. (DMRB 8.2) The Mobile Lane Closure Technique for Use on Motorway and Other Dual Carriageway Trunk Roads. (DMRB 8.4.4) (11/03) Contracts - Advice Notes List of Approved/Registered Products. (MCHW 0.3.1) Assessing Equivalence. (MCHW 0.3.2). Testing in Highway Construction Contracts. (MCHW 0.3.3) Ground Investigation Procedure. (MCHW 5.3.2) (11/03) Contracts - Standards Procedures for Adoption of Proprietary Manufactured Structures. (MCHW 0.2.4) Construction (Design and Management) Regulations 1994: Requirements for Health and Safety File (MCHW 6.1.11). (02/03)

SD 13	Documentation Requirements for Ground Investigation Contracts. (11/03)	1601
	Design Manual for Roads and Bridges (DMRB). Volume 7	700 900
		948 1046
	Design Manual for Roads and Bridges (DMRB). Volume 8	1301 1301NI
	Design Manual for Roads and Bridges (DMRB). Volume 10	1301 3006 3007 3012
	Trunk Road Maintenance Manual Volume 1.	NG Sample Appx 1/20 NG Sample Appx 1/20NI 2606
	WO Trunk Road Management and Maintenance Notice 2/86.	2606

8. (05/01) HIGHWAYS AGENCY (TSS DIVISION) PUBLICATIONS

(Published by the Highways Agency. E-mail: tss_plans_registry@highways.gsi.gov.uk) (02/03)

		NG Specification Clause/Table/Sample
		Appendix
	Traffic Control and Communications - Specifications	
MCH 1349	Maintenance and Operational Requirements for New Systems and Equipment. (02/03)	1525 1529
MCH 1454	Transmission Standards and Procedures.	1507
MCH 1540	Specification for the Installation of Detector Loops on Motorways and all Purpose Trunk Roads.	1218
MCH 1593	Maintenance Instruction - Changes to Communication Infrastructure.	1525
MCH 1596	NMCS: Site Data Procedures.	1527 1525

9. (05/01) TRANSPORT RESEARCH LABORATORY REPORTS (Published by TRL (formerly TRRL))

		NG Specification Clause/Table/Sample Appendix
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.	901
LR 1109	The measurement of the in-situ density of cement bound materials - P T Sherwood and A J Clark, 1984.	1041
PR 78	Tests for voids and compaction in rolled asphalt surfacing - M E Daines.	943
PR 113	Advice on integrity testing of piles - A J C Gent and P Darley.	1608
RR 4	Cooling of bituminous layers and time available for their compaction - M E Daines.	901
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
SR 717	Standards of compaction of dense roadbase macadam - W D Powell and D Leech.	901 929
SR 754	Nuclear gauges for measuring the density of roadbase macadams: report of a working party, 1982.	929
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 216	Road haunches: a guide to re-usable materials, J Porter, 1996.	948 1046
TRL 273	Use and application of the MCA with particular reference to glacial tills - G D Matheson and M G Winter.	632SE
TRL 386	Design guide and specification for structural maintenance of highway pavements by cold in-in situ recycling, Milton and Earland, 1999.	948 1046

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TRL 447	Sulfate specification for structural backfills, J M Reid,	Table NG 1/1
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	Road Note 39 (Fifth Edition). Design Guide for Road Surface	
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	JC Nicholls (11/03)	NG Sample Appx 7/3
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		NG Sample Appx 7/21
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PA 3287/97	Repeated load test with vacuum confinement - M Nunn.	952

10. (05/01) ACTS AND STATUTORY INSTRUMENTS

NG Specification Clause/Table/Sample **Appendix** The Town and Country Planning (Control of Advertisements) Regulations 1999. 110 117 The Highways Act 1980. NG Sample Appx 1/17 The Highway Code 1993. The Motor Vehicle Construction and Use Regulations. NG Sample Appx 1/20 The Road Transport Act. NG Sample Appx 1/20 The Road Traffic Act 1991. NG Sample Appx 1/20 NG Sample Appx 1/26 The Road Traffic (Northern Ireland) Order 1981. NG Sample Appx 1/20NI The Road Traffic (Northern Ireland) Order 1995. NG Sample Appx 1/20NI The Road Vehicles Lighting Regulations 1989. NG Sample Appx 1/20 Road Vehicles Lighting Regulations (Northern Ireland) 2000. NG Sample Appx 1/2NI NG Sample Appx 1/20NI The New Roads and Street Works Act 1991. 706 The Electricity at Work Regulations 1989. 1424 The Traffic Signs Regulations and General Direction 2002. (08/03) NG Sample Appx 1/2 1200 1212 1213 NG Sample Appx 12/1 NG Sample Appx 12/1NAW The Planning (Control of Advertisements) Regulations (Northern Ireland) 1992. 110NI The Roads (Northern Ireland) Order 1980 117NI Motor Vehicles (Construction and Use) Regulations (Northern Ireland) 1999. NG Sample Appx 1/20NI The Electricity at Work Regulations (Northern Ireland) 1991. 1424NI The Traffic Signs Regulations (Northern Ireland) 1997. 1200NI 1206NI 1212 1213 NG Sample Appx 12/1NI The Water Act (1989) 1618 The Environmental Protection Acts (1990 and 1995). 1618 HSE Manual Handling Operations Regulations (1992). 1532 The Wildlife and Countryside Act 1981. 3003 3012 The Protection of Badgers Act 1992. 3000 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. (05/03)	5003
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11. (05/01) QUALITY MANAGEMENT SYSTEMS

	NG Specification Clause/Table/Sample Appendix
QA Register (formerly DTI QA Register)	104
United Kingdom Accreditation Service (UKAS) National Sector Schemes Documents (08/03)	104 117 117NI
British Standards Institution (BSI) Sector Schemes Documents	104
Highway Authorities Product Approval Scheme Certification (HAPAS)	104
European Union of Agrément Directive for Assessment of Anchor Bolts MOAT No. 42	403
Scheme 1 - Manufacture of Fencing Components (05/04)	NG Sample Appx 4/2
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 (05/04)	NG Sample Appx 4/2
Scheme 2B - Sector Scheme Document for Vehicle Restraint Systems (05/04)	NG Sample Appx 4/2
Scheme 4 - Sector Scheme Document for Preservative Treatment of Timber (05/04) (BWPDA Guidance Note QGN -2)	NG Sample Appx 4/2
Scheme 5 - Bridge Parapets (05/04)	NG Sample Appx 4/2
Scheme 5A - The Manufacture of Parapets for Road Restraint Systems (05/04)	NG Sample Appx 4/2
Scheme 5B - The Installation of Parapets for Road Restraint Systems (05/04)	NG Sample Appx 4/2

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

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13. (05/01) MISCELLANEOUS

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The Institution of Civil Engineers (ICE) Conditions of Contracts - Thomas Telford Limited.	000
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Forest Stewardship Council (FSC) The FSC Standards for UK, FSC Standards Group, FSC UK Office, Unit D, Station Building, Llanidloes SY18 6EB Tel: 01686 413 916, Fax: 01686 412 176 Email: hanah@fsc.uk.demon.co.uk (11/02)	304
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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
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
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Manual for Maintenance and Repair of Concrete Roads. HMSO, 1986. (Produced jointly by the DOT and the Cement and Concrete Association) (11/03)	706 706 NI 1000
The Institution of Petroleum Test Method IP 80.	NG Sample Appx 7/1
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Temporary Road Markings: Working Group Findings, dated March 2003 Published by the Highways Agency. (08/03)	1212
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The Institution of Civil Engineers (ICE) Specification for cast-in-situ retaining walls with modifications.	1601
The Institution of Civil Engineers (ICE) Specification for Piling and Embedded Retaining Walls 1996 with modifications.	1601 1608 1609
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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
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