

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

**Contents**

Clause	Title	Page
1	(05/01) British Standards	2
2	(05/01) British Standard Codes of Practice	19
3	(05/01) British Standard Drafts for Development (DD) Documents	20
4	(05/01) European Standards	21
5	(05/01) International Standards	22
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	23
7	(05/01) UK Overseeing Organisations Publications Including Their Predecessor's Publications	24
8	(11/05) Highways Agency (traffic systems and signing) Publications	28
9	(05/01) Transport Research Laboratory Reports	29
10	(05/01) Acts and Statutory Instruments	30
11	(05/01) Quality Management Systems	32
12	(05/01) British Board of Agrément Certificates	34
13	(05/01) Miscellaneous	35

# ANNEX 1

## PUBLICATIONS REFERRED TO IN THE NOTES FOR GUIDANCE

### 1. (05/01) BRITISH STANDARDS

(Published by the British Standards Institution)

Note: References to British Standards in Table NG 1/1 are not included in this list.

NG Specification  
Clause/Table/Sample  
Appendix

BS 381C	Specification for colours for identification, coding and special purposes	1212
BS 434	Bitumen road emulsions (anionic and cationic) (11/09)	824 NG Sample Appx 7/4
BS 505: 1971	Specification for road traffic signals (AMD 1990, 1976) (05/06)	1217
BS 598	Sampling and examination of bituminous mixtures for roads and other paved areas (11/09)	929 937 943
BS 598-100	Methods for sampling for analysis (11/09)	953
BS 598-105	Part 105: Methods of test for the determination of texture depth (11/09)	921
BS 598-107	Part 107: Method of test for the determination of the composition of design wearing course rolled asphalt (11/09)	Table NG 1/1
BS 598-110	Part 110: Methods of test for the determination of wheel-tracking rate and depth (11/09)	929 937 943
BS 598-111	Part 111: Method for determination of resistance to permanent deformation bituminous mixtures subject to unconfined uniaxial loading (11/05)	NG Sample Appx 7/3
BS 709	Methods of destructive testing fusion welded joints and weld metal in steel (05/04)	1310
BS 812	Testing aggregates (11/09)	801
BS 812-120	Part 120: Method for testing & classifying drying shrinkage of aggregates in concrete (11/05)	1702
BS 812-121	Part 121: Methods for determination of soundness (11/05)	801
BS 812-124	Part 124: 1989. Method for determination of frost-heave (11/05)	801
BS 871	Specification for abrasive papers and cloths (05/04)	402 408 1310
BS 873	Road traffic signs and internally illuminated bollards	1200 1202 1221 1200NI

BS 873-1	Part 1: Methods of test (11/09)	Table NG 1/1 1202 1203 1214
BS 873-2	Part 2: Specification for miscellaneous signs (11/05)	1216
BS 873-3	Part 3: Specification for internally illuminated bollards (11/09)	Table NG 1/1
BS 873-5	Part 5: Specification for internally illuminated signs and external lighting luminaires (11/05)	1202
BS 873-6	Part 6: Specification for retroreflective and non-retroreflective signs (11/05)	1202 1204
BS 873-7	Part 7: Specification for posts and fittings (11/05)	1204
BS 873-8	Part 8: Specification for traffic cones and cylinders (11/09)	Table NG 1/1
BS 903	Physical testing of rubber (11/09)	Table NG 1/1
BS 970	Specification for wrought steels for mechanical and allied engineering purposes (11/09)	Table NG 1/1
BS 1047	Specification for air-cooled blast-furnace slag aggregate for use in construction (05/06)	801
BS 1199 and BS 1200	Specifications for building sands from natural sources (11/09)	1715
BS 1377	Methods of test for soils for civil engineering purposes	
BS 1377-2	Part 2: Classification tests (11/05)	631
BS 1377-3	Part 3: Chemical and electro-chemical tests (11/05)	637 644
BS 1377-4	Part 4: Compaction-related tests (11/05)	804
BS 1377-5	Part 5: Compressibility, permeability and durability tests (11/05)	640
BS 1377-6	Part 6: Consolidation and permeability tests in hydraulic cells and with pore pressure measurement (11/05)	640
BS 1377-8	Part 8: Shear strength tests (effective stress) (11/09)	953
BS 1707	Specification for hot binder distributors for road surface dressing	919 922
BS 1722	Fences (11/09)	Table NG 1/1 303 307
BS 1722-16	Part 16: Specification for organic powder coatings to be used as plastics finish to components and mesh (11/09)	Table NG 1/1
BS 1881	Testing concrete (05/04)	
BS 1881-201	Part 201: Guide to the use of non-destructive methods of test for hardened concrete (11/05)	1727
BS 1881-204	Part 204: Recommendations on the use of electromagnetic cover meters (11/05)	1727
BS 1881-205	Part 205: Recommendations for radiography of concrete (11/05)	1727
BS 1924	Stabilized materials for civil engineering purposes (11/09)	870
BS 2015	Glossary of paint and related terms (05/03)	1911 5007

BS 2499	Hot-applied joint sealant systems for concrete pavements (11/09)	713 Table NG 1/1
BS 2499-1	Part 1: Specification for joint sealants (11/09)	711
BS 2752	Chloroprene rubber compounds. Specification (11/09)	Table NG 1/1
BS 3145	Specification for laboratory pH meters	Table NG 16/1
BS 3690	Bitumens for building and civil engineering (05/06)	NG Sample Appx 7/4
BS 3690-1	Specification for bitumen for roads and other paved areas (11/09)	Table NG 1/1 901
BS 3882	Specification for topsoil	3006
BS 3892-2	Pulverized fuel ash. Specification for pulverised fuel ash to be used as a Type 1 addition (11/09)	Table NG 1/1
BS 3900	Methods of test for paints	
BS 3900-A10, ISO 3233	Part A10: Tests on liquid paints (excluding chemical tests). Determination of percentage volume of non-volatile matter by measurement of the density of a dried coating (11/09)	5008
BS 3900-C5	Part C5: Determination of film thickness (11/05)	1914
BS 3921	Specification for clay bricks (05/05)	2417 NG Sample Appx 24/1 NG Sample Appx 25/3
BS 3923	Methods for ultrasonic examination of welds	1801
BS 3923-2	Part 2: Automatic examination of fusion welded butt joints in ferritic steels (11/05)	1801
BS 3969	Recommendations for turf for general purposes	3005
BS 4027	Specification for sulfate-resisting Portland cement (05/04)	1704
BS 4254	Specification for two-part polysulphide-based sealants	1016 1017
BS 4395	Specification for solderable tin or tin-lead coated wires for component terminations (11/06)	
BS 4395-2	Part 2: High grade bolts and nuts general grade washers (11/05)	1801
BS 4449	Steel for the reinforcement of concrete. Weldable reinforcing steel. Bar, coil and decoiled product. Specification (11/09)	Table NG 1/1
BS 4482	Steel wire for the reinforcement of concrete products. Specification (11/09)	Table NG 1/1
BS 4483	Steel fabric for the reinforcement of concrete. Specification (11/09)	Table NG 1/1
BS 4486	Specification for hot rolled and hot rolled and processed high tensile alloy bars for the prestressing of concrete (11/09)	Table NG 1/1
BS 4800	Schedule of paint colours for building purposes (11/09)	1911 1912 1912NI Appx 19/4 Appx 19/4SE 5008 5009 5009NI Appx 50/4 Appx 50/4SE

BS 5080	Structural fixings in concrete and masonry	403 1305
BS 5212	Cold applied joint sealant systems for concrete pavements (11/05)	
BS 5212-2	Part 2: Code of practice for the application and use of joint sealants (11/05)	Table NG 1/1
BS 5228	Noise and vibration control on construction and open sites	
BS 5228-1	Part 1: Code of practice for basic information and procedures for noise control (11/05)	109
BS 5228-2	Part 2: Guide to noise and vibration control legislation for construction and maintenance (11/05)	109
BS 5228-4	Part 4: Code of practice for noise and vibration control applicable to piling operations (11/05)	109
BS 5400	Steel, concrete and composite bridges (11/09)	1612
BS 5400-3	Part 3: Code of practice for design of steel bridges (11/05)	1801
BS 5400-4	Part 4: Code of practice for design of concrete bridges (11/09)	1602 1603 1610 1704 1716 1717 1727
BS 5400-6	Part 6: 1999 (Amd. No. 13715, 3 October 2002). Specification for materials and workmanship, steel (11/09)	1801 NG Sample Appx 18/1 Table NG 1/1
BS 5400-8	Part 8: 1978. Recommendations for materials and workmanship, concrete, reinforcement and prestressing tendons (11/05)	1724
BS 5400-9.1	Part 9.1: 1983. Code of practice for design of bridge bearings (11/05)	NG Sample Appx 21/1
BS 5400-9.2	Part 9.2: 1983. Specification for materials, manufacture and installation of bridge bearings (11/09)	2101 Table NG 1/1
BS 5400-10	Part 10: 1980. Code of practice for fatigue (11/05)	1717 1801
BS 5467	Specification for armoured cables having thermosetting insulation for 600/1000 V and 1900/3300 V (11/03)	Table NG 1/1
BS 5480	Specification for glass reinforced plastics (GRP) pipes, joints and fittings for use for water supply or sewerage	NG Sample Appx 5/1
BS 5489	Code of practice for the design of road lighting (05/06)	
BS 5489-1	Part 1: Lighting of roads and public amenity area (11/09)	NG Sample Appx 14/2
BS 5589	Code of practice for preservation of timber	304
BS 5628	Code of practice for use of masonry (11/09)	2417
BS 5628-1	Part 1: Structural use of unreinforced masonry (11/09)	2404
BS 5628-3	Part 3: Materials and components, design and workmanship (11/05)	2401 2404 2409 2412 2413 2414 2415

BS 5649	Lighting columns (11/06)	
BS 5649-2	Part 2: 1978 (AMD 3136, 1979). Dimensions and tolerances (11/06)	1309
		NG Sample Appx 13/1
		NG Sample Appx 13/3
		NG Sample Appx 13/7
		NG Sample Appx 13/9
		Appx 13/1NI
BS 5666	Methods of analysis of wood preservatives and treated timber	
BS 5666-2	Part 2: Qualitative analysis (11/05)	311
BS 5666-3	Part 3: Quantitative analysis of preservatives and treated timber containing copper/chromium/arsenic formulations (11/05)	311
BS 5835	Recommendations for testing of aggregates (11/09)	804
		824
BS 5896	Specification for high tensile steel wire and strand for the prestressing of concrete (11/09)	Table NG 1/1
BS 5930	Code of practice for site investigations (formerly CP 2001)	642
BS 5931	Code of practice for machine laid in situ edge details for paved areas (11/03)	Table NG 1/1
BS 5972	Specification for photoelectric control units for road lighting	1411
BS 6072	Method of magnetic particle flaw detection	1801
BS 6073	Precast concrete masonry units (11/09)	Table NG 1/1
BS 6349	Maritime Structures	1606
BS 6744	Stainless steel bars for the reinforcement of and use in concrete. Requirements and test methods (11/09)	Table NG 1/1
BS 6610	Specification for Pozzolanic pulverized fuel ash cement (11/09)	Table NG 1/1
BS 6779	Highway parapets for bridges and other structures (11/05)	
BS 6779-1	Part 1: Specification for vehicle containment parapets of metal construction. 1998 (Amd. No 14290, 21 March 2003) (11/09)	408
		Table NG 1/1
BS 6910	Cold pour resin compound and heat-shrink cable joints in the voltage range up to 1000 V a.c. and 1500 V d.c.	
BS 6910-2	Part 2: Code of practice for on-site installation (11/05)	1422
'BS 7079-B8, ISO 8502-8'	Preparation of steel substrates before application of paints and related products. Methods for the assessment of surface cleanliness. Field method for the refractometric determination of moisture (05/05)	1914
		5012
BS 7123	Specification for metal arc welding of steel for concrete reinforcement	1717
BS 7430	Code of practice for earthing	1420
BS 7668	Specification for weldable structural steels. Hot finished structural hollow sections in weather resistant steels (11/09)	Table NG 1/1
		NG Sample Appx 18/1



BS 7671	Regulations for Electrical Installations. IEE Wiring Regulations (11/09)	Table NG 1/1 1418 1420 1424 1424NI 1526
BS 7818	Specification for pedestrian restraint systems in metal (05/04)	NG Sample Appx 4/1
BS 7903:1997	Guide to selection and use of gully tops and manholes covers for installation within the highway (05/06)	507
BS 8002	Code of practice for earth retaining structures	1615
BS 8004	Code of practice for foundations	630 1602 1603 1610
BS 8008	Safety precautions and procedures for the construction and descent of machine-bored shafts for piling and other purposes	1603
BS 8081	Code of practice for ground anchorages	624
BS 8102	Code of practice for protection of structures against water from the ground	1610 1613
BS 8500	Concrete. Complementary British Standard to BS EN 206-1 (11/09)	402 1701 1704 1707 2602
BS 8500-1	Part 1: Method of specifying and guidance for the specifier (11/09)	1001 1004 1701 1702 1703 1704 1707 NG Sample Appx 17/5
BS 8500-2	Part 2: Specification for constituent materials and concrete (11/09)	1001 1004 1702 1704
BS 8666	Scheduling dimensioning bending and cutting of steel reinforcement for concrete. Specification (11/09)	1713 Table NG 1/1
BS 9124	Specification for steel and aluminium access cover systems with over 1m clear opening (11/09)	507

BS 594987	Asphalt for roads and other paved areas. Specification for transport, laying and compaction and type testing protocols (11/09)	903 904 905 906 910 911 911TS 912 916 920 921 925 929 930 937 943
BS EN 40	Lighting Columns	
BS EN 40-3-1	Part 3-1: Design and verification – Specification for characteristic loads (11/04)	#NG Sample Appx 13/1 NG Sample Appx 13/1 NI NG Sample Appx 13/2 NG Sample Appx 13/8
BS EN 40-5	Part 5: Requirements for steel lighting columns (11/03)	1310
BS EN 40-6	Part 6: Requirements for aluminium lighting columns (11/03)	1310
BS EN 58	Bitumen and bituminous binders. Sampling bituminous binders (11/09)	NG Sample Appx 7/1 NG Sample Appx 7/1TS
BS EN 124	Gully tops and manhole tops for vehicular and pedestrian areas. Design requirements, type testing, marking, quality control	507 1532
BS EN 166	Personal eye protection. Specifications (05/06)	NG Sample Appx 1/20 NI
BS EN 206	Concrete	
BS EN 206-1	Part 1: Specification, performance, production and conformity (11/09)	402 1001 1004 1701 1704 1705 1706 1707
BS EN 287-1	Qualification test of welders. Fusion welding. Steels (11/09)	Table NG 1/1
BS EN 335	Hazard classes of wood and wood-based products against biological attack (05/06)	
BS EN 335-1	Part 1: Classification of hazard classes (11/05)	311
BS EN 350	Durability of wood and wood-based products. Natural durability of solid wood (05/06)	
BS EN 350-2	Part 2: Guide to natural durability and treatability of selected wood species of importance in Europe (11/05)	311
BS EN 351	Durability of wood and wood-based products. Preservative treated (05/06)	



BS EN 351-1	Part 1: Classification of preservative penetration and retention (11/05)	311
BS EN 351-2	Part 2: Guidance on sampling for the analysis of preservative treated wood (11/09)	311
BS EN 388	Protective gloves against mechanical risks (05/06)	NG Sample Appx 1/20NI
BS EN 397	Specification for industrial safety helmets (11/05)	NG Sample Appx 1/20NI
BS EN 413	Masonry Cement (11/09)	
BS EN 413-1	Part 1: Composition, specifications and conformity criteria (11/09)	Table NG 1/1
BS EN 459	Building lime	
BS EN 459-1	Part 1: Definitions, specifications and conformity criteria (11/05)	Table NG 1/1
BS EN 471	Specification for high-visibility warning clothing (05/06)	NG Sample Appx 1/20NI
BS EN 571	Non-destructive testing (05/06)	
BS EN 571-1	Part 1: Penetrant testing - General principles (05/06)	1801
BS EN 599	Durability of wood and wood-based products - Performance of preventive wood preservatives as determined by biological tests (05/06)	
BS EN 599-1	Part 1: Specification according to hazard class of preservative-treated wood (11/05)	311
BS EN 727	Plastics piping and ducting systems. Thermoplastics pipes and fittings. Determination of Vicat softening temperature (VST) (05/06)	NG Sample Appx 5/7 Table 1
BS EN 728	Plastics piping and ducting systems. Polyolefin pipes and fittings. Determination of oxidation induction time (11/03)	NG Sample Appx 5/7 Tables 2 and 3
BS EN 743	Plastics piping and ducting systems. Thermoplastics pipes. Determination of the longitudinal reversion (05/06)	NG Sample Appx 5/7 Table 1
BS EN 752	Drain and sewer systems outside buildings (11/03)	
BS EN 752-3	Part 3: Planning (11/05)	2505
BS EN 756	Welding consumables. Solid wires, solid wire-flux and tubular cored electrode-flux combinations for submerged arc welding of non-alloy and fine grain steels. Classification (11/09)	Table NG 1/1
BS EN 760	Welding consumables. Fluxes for submerged arc welding. Classification (11/09)	Table NG 1/1
BS EN 763	Plastics piping and ducting systems. Injection-moulded thermoplastics fittings. Test method for visually assessing effects of heating (05/06)	NG Sample Appx 5/7 Tables 1, 2 and 3
BS EN 771	Specification for masonry units (11/05)	
BS EN 771-1	Part 1: Clay masonry units (11/09)	2406 2417 Table NG 1/1 NG Sample Appx 24/1 NG Sample Appx 25/1
BS EN 771-3	Part 3: Aggregate concrete masonry units (dense and lightweight aggregates) (11/09)	2407 NG Sample Appx 24/1
BS EN 772	Methods of test for masonry units (11/05)	
BS EN 772-1	Part 1: Determination of percentage area of voids in aggregate concrete masonry units (by paper indentation) (11/05)	NG Sample Appx 24/1
BS EN 772-2	Part 2: Determination of percentage area of voids in aggregate concrete masonry units (by paper indentation) (11/09)	2407 Table NG 1/1

BS EN 922	Plastics piping and ducting systems. Pipes and fittings of unplasticized poly(vinyl chloride) (PVC-U). Specimen preparation for determination of the viscosity number and calculation of the k-value (05/06)	NG Sample Appx 5/7 Table 1
BS EN 933	Tests for geometrical properties of aggregates	
BS EN 933-1	Part 1: Determination of particle size distribution – sieving method (11/09)	870 901
BS EN 934	Admixtures for concrete, mortar and grout (05/06)	
BS EN 934-2	Part 2: Concrete admixtures - Definitions, requirements, conformity, marking and labelling (11/05)	Table NG 1/1 1704
BS EN 934-3	Part 3: Admixtures for masonry mortar - Definitions, requirements, conformity, marking and labelling (11/09)	Table NG 1/1 NG Sample Appx 24/1
BS EN 970	Non-destructive examination of fusion welds. Visual examination	1801
BS EN 971	Paints and varnishes. Terms and definitions for coating materials (05/06)	
BS EN 971-1	Part 1: General Terms (05/06)	1911 5007
BS EN 1008	Mixing water for concrete – Specification for sampling, testing and assessing the suitability of water, including water recovered from processes in the concrete industry, as mixing water for concrete (11/03)	Table NG 1/1
BS EN 1011	Welding – Recommendations for welding of metallic materials	
BS EN 1011-1	Part 1: General guidance for arc welding (11/05)	1801
BS EN 1011-2	Part 2: Arc welding of ferritic steels (11/05)	1801
BS EN 1097	Tests for mechanical and physical properties of aggregates (11/05)	
BS EN 1097-2	Part 2. Methods for the determination of resistance to fragmentation (11/05)	1001 1702
BS EN 1097-3	Part 3: Determination of loose bulk density and voids (11/09)	Table NG 1/1
BS EN 1097-8	Part 8: Determination of the polished stone value (11/03)	924
BS EN 1179	Specification for zinc and zinc alloys. Primary zinc (05/03)	Table NG 1/1
BS EN 1295	Structural design of buried pipelines under various conditions of loading	Table NG 5/1
BS EN 1295-1	Part 1: General Requirements (11/05)	2505
BS EN 1301	Aluminium and aluminium alloys. Drawn wire (11/09)	
BS EN 1301-1	Part 1: Technical conditions for inspection and delivery (11/09)	Table NG 1/1
BS EN 1317	Road restraint systems (05/04)	401
BS EN 1317-1	Part 1: Terminology and general criteria for test methods (11/05)	NG Sample Appx 4/2
BS EN 1317-2	Part 2: Performance classes, impact test acceptance criteria and test methods for safety barriers (11/05)	NG Sample Appx 4/2
BS EN 1317-3	Part 3: Performance classes, impact test acceptance criteria and test methods for crash cushions (11/05)	NG Sample Appx 4/2
BS EN 1320	Destructive tests on welds in metallic materials. Fracture tests (05/04)	402 408

BS EN 1338	Concrete paving blocks-Requirements and test methods (11/04)	Table NG 1/1 NG Sample Appx 11/1
BS EN 1339	Concrete paving flags-Requirements and test methods (11/04)	Table NG 1/1 NG Sample Appx 11/1
BS EN 1340	Concrete kerb units-Requirements and test methods (11/09)	Table NG 1/1 NG Sample Appx 11/1
BS EN 1341	Slabs of natural stone for external paving - Requirements and test methods (11/04)	NG Sample Appx 11/1
BS EN 1344	Clay pavers-Requirements and test methods (11/04)	Table NG 1/1 NG Sample Appx 11/1
BS EN 1367	Tests for thermal and weathering properties of aggregates	
BS EN 1367-4	Part 4: Determination of drying shrinkage (11/05)	1702
BS EN 1426	Methods of tests for petroleum and its products. Bitumen and bituminous binders. Determination of needle penetration (11/09)	NG Sample Appx 7/1 NG Sample Appx 7/1TS
BS EN 1433	Drainage channels for vehicular and pedestrian areas. Classification, design and testing requirements, marking and evaluation of conformity (11/04)	NG Sample Appx 5/5 NG Sample Appx 5/6
BS EN 1435	Non-destructive examination of welds. Radiographic examination of welds joints	1801
BS EN 1436	Road Marking materials. Road marking performance for road users	1212 NG Sample Appx 12/3
BS EN 1610	Construction and testing of drains and sewers (11/09)	2506
BS EN 1714	Non-destructive examination of welded joints. Ultrasonic examination of welded joints	1801
BS EN 1790	Road marking materials. Performance road markings	1212
BS EN 1793	Road traffic noise reducing devices - Test method for mining the acoustic performance (05/06)	
BS EN 1793-1	Part 1: Intrinsic characteristic of sound absorption (05/06)	2504 NG Sample Appx 25/4
BS EN 1793-2	Part 2: Intrinsic characteristic of airborne sound insulation (05/06)	2504 NG Sample Appx 25/4
BS EN 1794	Road traffic noise reducing devices. Non-acoustic performance (11/05)	
BS EN 1794-1	Part 1: Mechanical performance and stability requirements (11/05)	2504 NG Sample Appx 25/4
BS EN 1794-2	Part 2: General safety and environmental requirements (11/05)	2504 NG Sample Appx 25/4
BS EN 1824	Road marking materials. Road trials (11/09)	1212 Table NG 1/1
BS EN 10025	Hot rolled products of structural steels (11/05)	
BS EN 10025-1	Part 1: General technical delivery conditions (11/09)	1309 Table NG 1/1 NG Sample Appx 18/1

BS EN 10025-2	Part 2: Technical delivery conditions for non-alloy structural steels (11/09)	1309 Table NG 1/1 NG Sample Appx 18/1
BS EN 10025-3	Part 3: Technical delivery conditions for normalized/normalized rolled weldable fine grain structural steels (11/09)	Table NG 1/1 NG Sample Appx 18/1
BS EN 10025-4	Part 4: Technical delivery conditions for thermomechanical rolled weldable fine grain structural steels (11/09)	Table NG 1/1 NG Sample Appx 18/1
BS EN 10025-5	Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance (05/06)	NG Sample Appx 18/1
BS EN 10025-6	Part 6: Technical delivery conditions for flat products of high yield strength structural steels in the quenched and tempered condition (11/09)	Table NG 1/1 NG Sample Appx 18/1
BS EN 10029	Specification for tolerances on dimensions, shape and mass for hot rolled steel plates 3 mm thick or above (11/03)	Table NG 1/1
BS EN 10048	Hot rolled narrow steel strip. Tolerances on dimensions and shape (11/03)	Table NG 1/1
BS EN 10051	Continuously hot-rolled uncoated plate, sheet and strip of non-alloy and alloy steels - Tolerances on dimensions and shape (11/03)	Table NG 1/1
BS EN 10084	Case hardened steels. Technical delivery conditions (05/04)	Table NG 1/1
BS EN 10087	Free cutting steels. Technical delivery conditions for semi-finished products, hot rolled bars and rods (05/04)	Table NG 1/1
BS EN 10088	Stainless steels (11/09)	
BS EN 10088-1	Part 1: List of stainless steels (11/09)	Table NG 1/1
BS EN 10095	Heat resisting steels and nickel alloys (05/06)	Table NG 1/1
BS EN 10160	Ultrasonic testing of steel flat product of thickness or greater than 6mm (reflection method)	1801
BS EN 10210	Hot finished structural hollow sections of non-alloy and fine grain structural steels (11/09)	Table NG 1/1 NG Sample Appx 18/1
BS EN 10258	Cold-rolled stainless steel narrow strip and cut lengths - Tolerances on dimensions and shape (11/03)	Table NG 1/1
BS EN 10259	Cold-rolled stainless steel wide strip and plate/sheet. Tolerances on dimensions and shape (11/03)	Table NG 1/1
BS EN 12271	Surface dressing. Requirements (11/09)	922
BS EN 12272	Surface dressing - Test methods (11/05)	
BS EN 12272-1	Part 1: Rate of spread and accuracy of spread of binder and Chippings (11/05)	922
BS EN 12272-2	Part 2: Visual Assessment of Defects (11/05)	922
BS EN 12273	Slurry surfacing. Requirements (11/09)	918
BS EN 12274	Slurry Surfacing. Test methods (11/09)	
BS EN 12274-8	Part 8: Visual assessment of defects (11/09)	918
BS EN 12350	Testing fresh concrete (05/04)	1707
BS EN 12350-7	Part 7: Air content - Pressure methods (11/05)	1707

BS EN 12368	Traffic control equipment - signal heads (08/03)	1217
BS EN 12390	Testing hardened concrete (05/04)	1707
BS EN 12390-1	Part 1: Shape, dimensions and other requirements for specimens and moulds (11/09)	1004
BS EN 12490	Durability of wood and wood-based products. Preservative-treated solid wood. Determination of the penetration and retention of creosote in treated wood	311
BS EN 12591	Bitumen and bituminous binders - Specifications for paving grade bitumens (11/09)	NG Sample Appx 7/4
BS EN 12593	Methods of test for petroleum and its products. Bitumen and bituminous binders. Determination of the Fraass breaking point (11/09)	NG Sample Appx 7/1 NG Sample Appx 7/1TS
BS EN 12607	Methods of test for petroleum and its products – Bitumen and bituminous binders (11/09)	
BS EN 12607-1	Part 1: Determination of the resistance to hardening under the influence of heat and air. RTFOT method (11/09)	955 Figure NG 9/3 NG Sample Appx 7/1 NG Sample Appx 7/1TS
BS EN 12620	Aggregates for concrete (11/09)	Table NG 1/1 622 1001 1603 1610 1702
BS EN 12676	Anti-glare systems for roads (05/04)	412
BS EN 12697	Bituminous mixtures – Test methods for hot mix asphalt (11/05)	
BS EN 12697-22	Part 22: Wheel tracking (11/09)	929 937 943
BS EN 12697-26	Part 26: Stiffness (11/09)	929
BS EN 12697-37	Part 37: Hot sand test for the adhesivity of binder on precoated chippings for HRA (11/09)	915
BS EN 13036	Road and airfield surface characteristics - Test methods (05/06)	
BS EN 13036-1	Part 1: Measurement of pavement surface macrotexture depth using a volumetric patch technique (11/09)	942 Table NG 1/1
BS EN 13043	Aggregates for bituminous mixtures and surface treatments for roads, airfields and other trafficked areas (11/03)	901
BS EN 13108	Bituminous mixtures. Material specifications (11/09)	901 902 911 911TS 925
BS EN 13108-1	Part 1: Asphalt concrete (11/09)	901 929 930
BS EN 13108-4	Part 4: Hot rolled asphalt (11/09)	915



BS EN 13108-5	Part 5: Stone mastic asphalt (11/09)	937
BS EN 13108-7	Part 7: Porous Asphalt (11/09)	938
BS EN 13108-20	Part 20: Type testing (11/09)	902
		929
		930
		937
		943
BS EN 13139	Aggregates for mortar (11/03)	Table NG 1/1
BS EN 13183	Mositure content of a piece of sawn timber (05/06)	
BS EN 13183-1	Part 1: Determination by oven-dry method (05/06)	311
BS EN 13183-2	Part 2: Determination by electrical method (05/06)	311
BS EN 13201	Road lighting (05/06)	
BS EN 13201-2	Part 2: Performance requirements (11/06)	
BS EN 13242	Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction (11/09)	Table NG 1/1
		503
		613
		800
		801
		803
		805
		806
		820
		1531
BS EN 13285	Unbound mixtures - Specification (11/09)	Table NG 1/1
		505
		613
		800
		801
		803
		804
		805
		806
BS EN 13286	Unbound and hydraulically bound mixtures (11/09)	810
		870
BS EN 13286-4	Part 4: Test methods for laboratory reference density and water content. Vibrating hammer (11/09)	804
BS EN 13286-40	Part 40: Test method for determination of the direct tensile strength of hydraulically bound mixtures (11/09)	810
BS EN 13286-41	Part 41: Test method for the determination of the compressive strength of hydraulically bound mixtures (11/09)	810
BS EN 13286-42	Part 42: Test method for the determination of the indirect tensile strength of hydraulically bound mixtures (11/09)	810
BS EN 13286-43	Part 43: Test method for the determination of the modulus of elasticity of hydraulically bound mixtures (11/09)	810
BS EN 13391	Mechanical tests for post-tensioning systems (11/09)	Table NG 1/1
BS EN 13422	Vertical road signs. Portable deformable warning devices and delineators. Portable road traffic signs. Cones and cylinders (11/09)	Table NG 1/1



BS EN 13808	Bitumen and bituminous binders. Framework for specifying cationic bituminous emulsions. (11/09)	Table NG 9/8 920 Table NG 9/13
BS EN 13877	Concrete pavements (11/09)	
BS EN 13877-1:	Part 1: Materials (11/09)	1000 1001 1004
BS EN 13877-2	Part 2: Functional requirements for concrete pavements (11/09)	1000 1001 1003 1004
BS EN 13880	Hot applied joint sealants (11/09)	
BS EN 13880-2	Part 2: Test method for the determination of cone penetration at 25° (11/09)	Table NG 1/1
BS EN 13880-3	Part 3: Test method for the determination of penetration and recovery (resilience) (11/09)	Table NG 1/1
BS EN 13924	Bitumen and bituminous binders. Specifications for hard paving grade binders (11/09)	930
BS EN 14188	Joint fillers and sealants. Specifications for hot applied sealants (11/09)	Table NG 1/1
BS EN 14227	Hydraulically bound mixtures - Specifications (11/09)	800 810 870
BS EN 14227-1	Part 1: Cement bound granular mixtures for road bases and subbases (11/09)	800 810 Table NG 8/1 821 822 823
BS EN 14227-2	Part 2: Slag bound mixtures (11/09)	800 Table NG 8/1 830 831 832 834 835
BS EN 14227-3	Part 3: Fly ash bound mixtures (11/09)	800 Table NG 8/1 830 831 832 834 835
BS EN 14227-4	Part 4: Fly ash for hydraulically bound mixtures (11/09)	800

BS EN 14 227-5	Part 5: Hydraulic road binders bound mixtures (11/09)	800 810 Table NG 8/1 830 831 832 834 835
BS EN 14 227-10	Part 10: Soil cement and cement stabilized soils (11/09)	800 Table NG 8/1
BS EN 14227-11	Part 11: Soil treated by lime (11/09)	800 813
BS EN 14227-12	Part 12: Soil treated by slag (11/09)	800 Table NG 8/1
BS EN 14227-13	Part 13: Soil treated by hydraulic road binder (11/09)	800 Table NG 8/1
BS EN 14227-14	Part 14: Soil treated by fly ash (11/09)	800 Table NG 8/1
BS EN 14769	Methods of test for petroleum and its products. Bitumen and bituminous binders. Accelerated long-term ageing conditioning by a pressure vessel (PAV) (11/09)	953
BS EN 22063	Metallic and other inorganic coatings. Thermal spraying. Zinc, aluminium and their alloys (05/03)	1904 1907 1910 5006
BS EN 50086	Specification for conduit systems for cable management (11/09)	
BS EN 50086-1	Part 1 General requirements (11/09)	Table NG 1/1
BS EN 50086-2-4	Part 2-4: Particular requirements. Conduit systems buried underground (11/09)	Table NG 1/1
BS EN 60651	Specification for sound level matters	NG Sample Appx 1/9 Notes (iv)
BS EN 60804	Specification for integrating - averaging sound level meters	NG Sample Appx 1/9 Notes (iv)
BS EN ISO 527-1	Plastics. Determination of tensile properties General principles (05/06)	NG Sample Appx 5/7 Tables 1, 2 and 3
BS EN ISO 898	Mechanical properties of fasteners made of carbon steel and alloy steel (11/09)	Table NG 1/1
BS EN ISO 1133	Plastics. Determination of the melt mass-flow rate (MFR) and the melt volume-flow rate (MVR) of thermoplastics (11/06)	NG Sample Appx 5/7 Tables 2 and 3
BS EN ISO 1183-3-3	Plastics. Methods for determining the density of non-cellular plastics. Gas pycnometer method (11/03)	NG Sample Appx 5/7 Tables 1 and 2
BS EN ISO 1461	Hot dip galvanized coatings on fabricated iron and steel articles. Specifications and test methods (11/09)	Table NG 1/1
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, 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. Pyknometer 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
BS EN ISO 3506	Mechanical properties of corrosion-resistant stainless steel fasteners (05/06)	
BS EN ISO 3506-1	Part 1: Bolts, screws and studs (05/06)	Table NG 1/1 1801
BS EN ISO 3506-2	Part 2: Nuts (11/03)	Table NG 1/1 1801
BS EN ISO 4016	Hexagon head bolts. Product grade C (11/09)	Table NG 1/1
BS EN ISO 4018	Hexagon head screws. Product grade C (11/09)	Table NG 1/1
BS EN ISO 4034	Hexagon nuts. Product grade C (11/09)	Table NG 1/1
BS EN ISO 6259	Thermoplastics pipes. Determination of tensile properties. General test method (05/06)	NG Sample Appx 5/7 Tables 1, 2 and 3
BS EN ISO 8502	Preparation of steel substrates before application of paints and related products. Test for the assessment of surface cleanness (11/09)	5003 5003NI 5004
'BS EN ISO 8502-4, BS 7079-B4'	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 (05/05)	1914 5012
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
BS EN ISO 9001	Quality management systems - Requirements (05/06)	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 15609-2	Specification and qualification of welding procedures for metallic materials. Welding procedure specification. Gas welding (11/09)	1310
BS EN ISO 15614	Specification and qualification of welding procedures for metallic materials. Welding procedure test (11/09)	

BS EN ISO 15614-1	Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys (11/09)	Table NG 1/1 402 408 1310
BS EN ISO 15614-2	Part 2: Arc welding of aluminium and its alloys (11/09)	408
BS EN ISO 20345	Personal protective equipment. Safety footwear (05/06)	NG Sample Appx 1/20NI
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)**

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

NG Specification  
Clause/Table/Sample  
Appendix  
518

WITHDRAWN

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

(Published by the British Standards Institution)

NG Specification  
Clause/Table/Sample  
Appendix

DD 213: 1996	Method for determination of the indirect tensile stiffness modulus of bituminous mixtures (11/09)	948
DD 232: 2005	Method for determination of the maximum binder content of bituminous mixtures without excessive binder drainage (05/06)	Table NG 1/1



## 4 (05/01) EUROPEAN STANDARDS

(Including draft standards (prEN))

		NG Specification Clause/Table/Sample Appendix
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 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
EN 45012	General requirements for bodies operating assessment and certification/registration of quality system (05/06)	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 13074	Bitumen and Bituminous binders - Recovery of binder from bitumen emulsions by evaporation (11/09)	955
prEN 13286	Unbound and hydraulically bound mixtures. Methods for making test specimens (11/09)	948

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

**(Published by the International Organization for Standardization)**

		<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)

(Published by The Stationery Office or HMSO)

	NG Specification Clause/Table/Sample Appendix
Traffic Signs Manual - Chapter 5	1212
	1213
Traffic Signs Manual - Chapter 7	1202
Traffic Signs Manual - Chapter 8 (11/09)	117
	117NI
	NG Sample Appx 1/2
	NG Sample Appx 1/2NI
	NG Sample Appx 1/26
	1216
	NG Sample Appx 12/1
	NG Sample Appx 12/1NAW
	NG Sample Appx 12/1NI
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)

NG Specification  
Clause/Table/Sample  
Appendix

### Bridges - Standards

BA 84	Use of Stainless Steel Reinforcement in Highway Structures (DMRB 1.3) (11/09)	1712
BD 2	Technical Approval of Highway Structures (DMRB 1.1.1) (11/09)	106 NG Sample Appx 1/19 NG Sample Appx 6/10 1710 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) (11/09)	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
BD 91	Unreinforced Masonry Bridges (DMRB 2.2.14) (05/05)	2417
<b>Highways - Advice Notes</b>		
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	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
HA 84	Nature Conservation and Biodiversity (DMRB 10.4.1) (11/09)	3007
HA 105	Sumplex Gullies (DMRB 4.2.3) (05/06)	508
<b>Highways - Standards</b>		
HD 22	Managing Geotechnical Risk (DMRB 4.1.2) (02/03)	1601 1704
HD 25	Foundations (DMRB 7.2.2) (11/09)	613 801 810 818
HD 26	Pavement Design (DMRB 7.2.3) (11/09)	701 810 818 819 929 NG Sample Appx 7/1, NG Sample Appx 7/1TS
HD 28	Skid Resistance (11/09)	507
HD 29	Data for pavement Assessment (DMRB 7.3.2) (11/09)	719
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	Conservation 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 (DMRB 7.5.2)	1044
<b>Traffic Engineering - Advice Notes</b>		
TA 60	The Use of Variable Message Signs on All-Purpose and Motorway Trunk Roads (DMRB 8.2)	#1206 1206NI
<b>Traffic Engineering - Standards</b>		
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
<b>Contracts - Advice Notes</b>		
SA 1	List of Compliant/Approved/Registered Products (MCHW 0.3.1) (11/09)	104
SA 2	Assessing Equivalence (MCHW 0.3.2)	104
SA 3	Testing in Highway Construction Contracts (MCHW 0.3.3)	000 105
SA 9	Ground Investigation Procedure (MCHW 5.3.2) (11/03)	600 1601
<b>Contracts - Standards</b>		
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

WITHDRAWN

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

**NG Specification  
Clause/Table/Sample  
Appendix**

**Traffic Control and Communications - Specifications**

MCH 1022	Testing for Newly Installed Motorway Communications and Power Cables (11/09)	Table NG 1/1
MCH 1055	Testing for Newly Installed Motorway Optical Fibre Communications Cable (Single Mode) (11/09)	Table NG 1/1
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
MCH 1454	Transmission Standards and Procedures	1507
MCH 1540	Specification for the Installation of Detector Loops on Motorways and all Purpose Trunk Roads (11/09)	Table NG 1/1 1218
MCH 1596	NMCS 2: Site Data Change Procedure Instructions (05/06)	1525
TR 2029	NMCS Inductive Loop Detector Cable (11/09)	Table NG 1/1
TR 2031	NMCS Feder Cable for Inductive Cable Detectors (11/09)	Table NG 1/1
TR 2150	NMCS Non-Armoured Copper Communications Cable (11/09)	Table NG 1/1
TR 2151	NMCS Non-Armoured Optical Fibre Communications Cable (11/09)	Table NG 1/1
TR 2152	NMCS Non-Armoured Coaxial Communications Cable (11/09)	Table NG 1/1
TR 2153	NMCS Non-Armoured Energy Cable (11/09)	Table NG 1/1
TR 2158	NMCS Armoured Copper Communications Cable (11/09)	Table NG 1/1
TR 2159	NMCS Armoured Optical Fibre Communications Cable (11/09)	Table NG 1/1
TR 2160	NMCS Armoured Coaxial Communications Cable (11/09)	Table NG 1/1
TR 2161	NMCS Armoured Energy Cable (11/09)	Table NG 1/1

## 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 (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

### NG Specification Clause/Table/Sample Appendix

The Town and Country Planning (Control of Advertisements) Regulations 1999	110
The Planning (Control of Advertisements) Regulations (Northern Ireland) 1992	110NI
The Highways Act 1980	117
The Roads (Northern Ireland) Order 1980	117NI
The Traffic Signs Regulations and General Direction 2002 (11/09)	NG Sample Appx 1/2 1200 1206 1212 1213 1217 NG Sample Appx 12/1 NG Sample Appx 12/1NAW
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
Environmental Protection Act 1990 (11/09)	601 1618
Waste and Contaminated Land (Northern Ireland) Order 1997 - Statutory Instrument 1997 No. 2778 (N.I.19) (11/04)	601
The Special Waste Amendment (Scotland) Regulations 2004 (11/05)	601SE
The Special Waste (Scotland) Regulations 1996 (11/05)	601SE
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
HSE Manual Handling Operations Regulations (1992) (11/09)	507 518 1532

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

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

### NG Specification Clause/Table/Sample Appendix

QA Register (formerly DTI QA Register)	104
British Standards Institution (BSI)	
Sector Schemes Documents	104
Highway Authorities Product Approval Scheme Certification (HAPAS)	104
United Kingdom Accreditation Service (UKAS)	
National Sector Schemes Documents (08/03)	104
	117
	117NI
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 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
Scheme 2C - Sector Scheme Document for the Design, Supply Installation and Repair of Environmental Barriers (Structural) for Infrastructure Works (11/09)	Table NG 1/2
Scheme 4 - Sector Scheme Document for Preservative Treatment of Timber (BWPDA Guidance Note QGN -2) (11/09)	Table NG 1/2
Scheme 5A - Sector Scheme Document for the Manufacture of Parapets for Road Restraint Systems (11/09)	Table NG 1/2 NG Sample Appx 4/2
Scheme 5B - Sector Scheme Document for the Installation of Parapets for Road Restraint Systems (11/09)	Table NG 1/2 NG Sample Appx 4/2
Scheme 6 - Sector Scheme Document for the Manufacture and Verification of Lighting Columns (11/06)	Table NG 1/2
Scheme 7 - Sector Scheme Document for the Application of Road Marking and Road Studs to Road Surfaces (11/06)	Table NG 1/2
Scheme 8, 9B and 10 - Sector Scheme Document for the Installation and Maintenance of Highway Electrical and/or Highway Electronic Equipment and/or Associated Highway Works (11/06)	Table NG 1/2
Scheme 9A - Sector Scheme Document for the Manufacture of Permanent and/or Temporary Road Traffic Signs (11/06)	Table NG 1/2
Scheme 12A - Sector Scheme Document for the Installing, Maintaining and Removing Static Temporary Traffic Management on Motorways and High Speed Dual Carriageways for Schemes Incorporating Contraflow Operations and/or Temporary Road Markings (11/06)	Table NG 1/2
Scheme 12B - Sector Scheme Document for Static Temporary Traffic Management on Motorways and High Speed Dual Carriageways for Schemes not Incorporating Contraflow Operations and/or Temporary Road Markings (11/06)	Table NG 1/2



Scheme 12C - Sector Scheme Document for Mobile Lane Closure Traffic Management on Motorways and Dual Carriageways (11/06)	Table NG 1/2
Scheme 12D - Sector Scheme Document for Installation, Maintenance and Removal of Temporary Traffic Management on Rural and Urban Roads (11/06)	Table NG 1/2
Scheme 13A - Sector Scheme Document for the Supply and Application of Surface Dressing (11/09)	Table NG 1/2 NG Sample Appx 7/3
Scheme 13B - Sector Scheme Document for the Supply and Application of Microsurfacing (11/09)	Table NG 1/2 NG Sample Appx 7/7
Scheme 14 - Sector Scheme Document for the Quality Management of the Production of Asphalt Production (11/09)	Table NG 1/2 925
Scheme 15 - Sector Scheme Document for the Supply of Paving Grade Bitumen (11/06)	Table NG 1/2
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**

**NG Specification**  
**Clause/Table/Sample**  
**Appendix**

British Board of Agrément Certificates (BBA Certificates,  
BBA HAPAS Roads and Bridges Certificates, BBA Roads and  
Bridges Certificates) (11/09)

- 104
- Table NG 1/1
- 514
- 515
- 711
- NG Sample Appx 7/1
- NG Sample Appx 7/1TS
- NG Sample Appx 7/3
- NG Sample Appx 7/4
- NG Sample Appx 7/7
- NG Sample Appx 7/11
- 918
- 920
- 922
- 924
- 942
- 945
- 953
- 955
- 1716
- 1901
- NG Sample Appx 19/1
- NG Sample Appx 19/3
- 2003
- 2005
- NG Sample Appx 20/1
- NG Sample Appx 25/1
- 5008
- NG Sample Appx 50/1
- NG Sample Appx 50/3

### 13. (05/01) MISCELLANEOUS

#### NG Specification Clause/Table/Sample Appendix

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 bituminous 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 Thaumacite 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 Torshear 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