

---

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

---

**Contents**

Section	Title	Page
1	(05/01) British Standards	2
2	(05/01) British Standard Codes of Practice	22
3	(05/01) British Standard Drafts for Development (DD) Documents	23
4	(05/01) European Standards	24
5	(05/01) International Standards	25
6	(05/14) Publications of the Department for Transport and other Government Offices	26
7	(05/01) UK Overseeing Organisations Publications Including Their Predecessor's Publications	27
8	(05/14) Transport Research Laboratory Reports	32
9	(05/14) UK and EU Legislation	33
10	(05/14) Quality Management Systems	35
11	(05/14) Miscellaneous	36

# 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.

		<b>NG Specification Clause/Table/Sample Appendix</b>
BS 381C	Specification for colours for identification, coding and special purposes	1212 1911 1912 NG Sample Appx 19/4 1912NI NG Sample Appx 19/4SE NG Sample Appx 19/4NI
BS 434	Bitumen road emulsions (anionic and cationic) (11/09)	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)	943
BS 598-105	Part 105: Methods of test for the determination of texture depth (11/09)	921
BS 598-110	Part 110: Methods of test for the determination of wheel-tracking rate and depth (11/09)	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 812-120	Part 120: Method for testing & classifying drying shrinkage of aggregates in concrete (11/05)	1702
BS 871	Specification for abrasive papers and cloths (05/17)	1310
BS 873	Road traffic signs and internally illuminated bollards	1200 1202 1221 1200NI
BS 873-1	Part 1: Methods of test (11/09)	1202 1203 1214
BS 873-2	Part 2: Specification for miscellaneous signs (11/05)	1216

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 915	Specification for high alumina cement (12/14)	1702
BS 915-2	Part 2: Metric units (12/14)	1702
BS 1377	Methods of test for soils for civil engineering purposes	600
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 1377-5	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 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 1881-204	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)	1059
BS 2015	Glossary of paint and related terms (05/03)	5007
BS 2499	Hot-applied joint sealant systems for concrete pavements (11/09)	713
BS 2499-1	Part 1: Specification for joint sealants (11/09)	711
BS 3145	Specification for laboratory pH meters	Table NG 16/1
BS 3882	Specification for topsoil	3006
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 3969	Recommendations for turf for general purposes	3005
BS 4027	Specification for sulfate-resisting Portland cement (05/04)	1702 1704
BS 4254	Specification for two-part polysulphide-based sealants	1016 1017

BS 4449	Steel for the reinforcement of concrete. Weldable reinforcing steel. Bar, coil and decoiled product. Specification (11/09)	Table NG 1/1 1712
BS 4482	Steel wire for the reinforcement of concrete products. Specification (11/09)	Table NG 1/1 1712
BS 4483	Steel fabric for the reinforcement of concrete. Specification (11/09)	NG Sample Appx 5/3 Table NG 1/1 1712
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 NG Sample Appx 19/4 NG Sample Appx 19/4SE NG Sample Appx 19/4NI 5008 5009 5009NI NG Sample Appx 50/4 NG Sample Appx 50/4SE
BS 5080	Structural fixings in concrete and masonry	403 1305
BS 5228	Code of practice for Noise and vibration control on construction and open sites (05/14)	
BS 5228-1	Part 1: Noise (05/14)	109
BS 5228-2	Part 2: Vibration (05/14)	109
BS 5400	Steel, concrete and composite bridges (11/09)	1612
BS 5400-4	Part 4: Code of practice for design of concrete bridges (12/14)	1602 1603 1610
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
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 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 1102 1103
BS 5972	Specification for photoelectric control units for road lighting	1411
BS 5975	Code of practice for temporary works procedures and the permissible stress design of falsework (12/14)	1710
BS 6089	Assessment of in-situ compressive strength in structures and precast concrete components. Complementary guidance to that given in BS EN 13791 (12/14)	1707 1727
BS 6349	Maritime Structures	1606
BS 6472	Human response to vibration in buildings (05/14)	109
BS 6744	Stainless steel bars for the reinforcement of and use in concrete. Requirements and test methods (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 7430	Code of practice for earthing	1420
BS 7533	Pavements constructed with clay, natural stone or concrete pavers (02/21)	1100 1114
BS 7533-8	Part 8: Guide for the structural design of lightly trafficked pavements of precast concrete flags and natural stone flags. (02/21)	1104

BS 7533-12	Part 12: Guide to the structural design of trafficked pavements constructed on a bound base using concrete paving flags and natural stone slabs. (02/21)	1104
BS 7668	Specification for weldable structural steels. Hot finished structural hollow sections in weather resistant steels (11/09)	NG Sample Appx 18/1
BS 7671	Regulations for Electrical Installations. IEE Wiring Regulations (11/09)	Table NG 1/1 1418 1420 1424 1424NI 1512
BS 7818	Specification for pedestrian restraint systems in metal (05/17)	411 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 7973-2	Spacers and chairs for steel reinforcement and their specification. Fixing and application of spacers and chairs and tying of reinforcement (02/21)	1008
BS 8002	Code of practice for earth retaining structures	1615
BS 8004	Code of practice for foundations	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 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 (05/17)	1701 1704 1707 2602
BS 8500-1	Part 1: Method of specifying and guidance for the specifier (11/09)	1001 1004 1106 1701 1703 1704 1707 NG Sample Appx 17/1 NG Sample Appx 17/5
BS 8500-2	Part 2: Specification for constituent materials and concrete (11/09)	1001 1004 1080 1085 1702 1704 1705 1710 5701 5703

BS 8666	Scheduling dimensioning bending and cutting of steel reinforcement for concrete. Specification (12/14)	1713 Table NG 1/1 Table NG 17/1
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)	903 904 905 906 908 910 911 911TS 911W 912 916 920 921 925 929 930 937 942 943 1105
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
BS EN 166	Personal eye protection. Specifications (05/06)	NG Sample Appx 1/20 NI
BS EN 196-1	Methods of testing cement. Determination of strength. (02/21)	Table NG 57/1
BS EN 197	Cement (12/14)	
BS EN 197-1	Part 1: Composition, specification and conformity criteria for low heat common cements (12/14)	1702 1704
BS EN 206	Concrete	1004 1080 1085 NG Sample Appx 57/4

BS EN 206-1	Part 1: Specification, performance, production and conformity (05/17)	1001 1701 1704 1705 1706 1707 1710
BS EN 206-9	Concrete. Additional rules for self-compacting concrete (SCC) (12/14)	1706
BS EN 287	Qualification test of welders. Fusion welding (12/14)	
BS EN 287-1	Part 1: Steels (12/14)	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 445	Grout for prestressing tendons – Test methods (12/14)	1711
BS EN 446	Grout for prestressing tendons – grouting procedures (12/14)	1711
BS EN 447	Grout for prestressing tendons – basic requirements (12/14)	1711
BS EN 471	Specification for high-visibility warning clothing (05/06)	NG Sample Appx 1/20NI
BS EN 476	General requirements for components used in drains and sewers. (02/21)	518
BS EN 571	Non-destructive testing (05/06)	
BS EN 571-1	Part 1: Penetrant testing – General principles (05/06)	Table NG1/1
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 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 918	Geotextiles and geotextile-related products. Dynamic performance (cone drop test) (02/16)	NG Sample Appx 6/5
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	600
BS EN 933-1	Part 1: Determination of particle size distribution – sieving method (11/09)	901 1059
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)	1704
BS EN 934-3	Part 3: Admixtures for masonry mortar – Definitions, requirements, conformity, marking and labelling (11/09)	NG Sample Appx 24/1
BS EN 971	Paints and varnishes. Terms and definitions for coating materials (05/06)	
BS EN 971-1	Part 1: General Terms (05/06)	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 1011-3	Part 3: Arc welding of stainless steels (12/14)	NG Sample Appx 18/1
BS EN 1090	Execution of steel structures and aluminium structures. (12/14)	
BS EN 1090-1	Part 1: Requirements for conformity assessment of structural components (12/14)	1800

BS EN 1090-2	Part 2: Technical requirements for steel structures (12/14)	Table NG 1/1 1800 1801 1802 1804 1805 1806 1807 1812 1906
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 1097-8	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 1290	Non-destructive examination of welds. Magnetic particle examination of welds. (12/14)	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)	Table NG 5/1 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)	401 402
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 1317-5	Part 5: Product requirements and evaluation of conformity for vehicle restraint systems. (02/21)	401 NG Sample Appx 4/1
BS EN 1320	Destructive tests on welds in metallic materials. Fracture tests (05/04)	402 408
BS EN 1337	Structural Bearings (02/16)	2101 NG Sample Appx 21/1
BS EN 1337-3	Elastomeric Bearings (02/16)	Table NG 1/1
BS EN 1338	Concrete paving blocks-Requirements and test methods (11/04)	1100 1107 NG Sample Appx 11/1
BS EN 1339	Concrete paving flags-Requirements and test methods (11/04)	NG Sample Appx 11/1
BS EN 1340	Concrete kerb units-Requirements and test methods (11/09)	1101 1118 NG Sample Appx 11/1
BS EN 1341	Slabs of natural stone for external paving – Requirements and test methods (11/04)	1104 NG Sample Appx 11/1
BS EN 1344	Clay pavers-Requirements and test methods (11/04)	1108 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 1418	Welding personnel. Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanised and automatic welding of metallic materials (12/14)	Table NG 1/1
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 1436	Road Marking materials. Road marking performance for road users	1212 NG Sample Appx 12/3
BS EN 1504	Products and systems for the protection and repair of concrete structures. Definitions, requirements, quality control and evaluation of conformity (12/14)	1704 1707 5701 5705
BS EN 1504-1	Definitions (02/21)	1709 5701 5704 5708 5715 5716 NG Sample Appx 57/1 NG Sample Appx 57/3
BS EN 1504-2	Surface protection systems for concrete. (02/21)	5701
BS EN 1504-3	Structural and non-structural repair. (02/21)	5701 5703 5704 5705 Table NG 57/1 5708 5714 5717 5721 NG Sample Appx 57/1
BS EN 1504-4	Structural bonding. (02/21)	5701
BS EN 1504-5	Concrete injection. (02/21)	5701 5703 5720 NG Sample Appx 57/5
BS EN 1504-6	Anchoring of reinforcing steel bar. (02/21)	5701 5703
BS EN 1504-7	Reinforcement corrosion protection. (02/21)	5701 5703
BS EN 1504-8	Quality control and assessment and verification of the consistency of performance (AVCP). (02/21)	5701

BS EN 1504-9	General principals for use of products and systems.	1709 5701 5702 NG Sample Appx 57/1 NG Sample Appx 57/5
BS EN 1504-10	Site application of products and systems and quality control of the works. (02/21)	1709 5701 5702 5705 5709 5711 5714 5717 5718 5720 5721 NG Sample Appx 57/3
BS EN 1537	Execution of special geotechnical works. Ground anchors (02/16)	624
BS EN 1610	Construction and testing of drains and sewers (11/09)	2506
BS EN 1744	Tests for chemical properties of aggregates (02/16)	
BS EN 1744-1	Chemical analysis (02/16)	Table NG 1/1 644 NG Sample Appx 6/1
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 1796	Plastics piping systems for water supply with or without pressure. Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) (02/21)	NG Sample Appx 5/1 NG Sample Appx 5/2
BS EN 1824	Road marking materials. Road trials (11/09)	1212 Table NG 1/1
BS EN 1992	Eurocode 2. Design of concrete structures. Concrete bridges (12/14)	1701

BS EN 1992-1-1	General rules and rules for buildings (12/14)	1701 Table NG 17/1 1704 1710 1712 1713 1716 1717 1727 5711
BS EN 1992-2	Design and detailing rules (12/14)	1703 1704 1712
BS EN 1993	Eurocode 3. Design of steel structures. (12/14)	1801
BS EN 1993-1-4	General rules – Supplementary rules for stainless steel. (04/21)	1802 1805
BS EN 1993-1-8	Design of joints (12/14)	1808
BS EN 1994	Eurocode 4. Design of composite steel and concrete structures. (12/14)	1801
BS EN 1997	Eurocode 7. Geotechnical design (02/16)	
BS EN 1997-1	General rules (02/16)	624 630
BS EN 1998	Design of structures for Earthquake resistance. (04/21)	1801 1802
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
BS EN 10025-2	Part 2: Technical delivery conditions for non-alloy structural steels (11/09)	1309 Table NG 1/1
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 10080	Steel for reinforcement of concrete. Weldable reinforcing steel. General. (12/14)	1712
BS EN 10088	Stainless steels (12/14)	NG Sample Appx 18/1
BS EN 10160	Ultrasonic testing of steel flat product of thickness or greater than 6mm (reflection method)	1801
BS EN 10163	Delivery requirements for surface condition of hot-rolled steel plates, wide flats and sections. (12/14)	NG Sample Appx 18/1
BS EN 10163-2	Part 2: Plate and wide flats. (04/21)	1805
BS EN 10163-3	Part 3: Sections. (04/21)	1805
BS EN 10210	Hot finished structural hollow sections of non-alloy and fine grain structural steels (11/09)	NG Sample Appx 18/1
BS EN 10223	Steel wire and wire products for fencing and netting (02/16)	

BS EN 10223-3	Hexagonal steel wire mesh products for civil engineering purposes (02/16)	Table NG 1/1
BS EN 10223-8	Welded mesh gabion products (02/16)	Table NG 1/1
BS EN 10244	Steel wire and wire products. Non-ferrous metallic coatings on steel wire (02/16).	
BS EN 10244-2	Zinc or zinc alloy coatings (02/16)	626
BS EN 10245	Steel wire and wire products. Organic coatings on steel wire. (02/16)	626
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 12062	Non-destructive examination of welds. General rules for metallic materials (12/14)	Table NG 1/1
BS EN 12190	Products and systems for the protection and repair of concrete structures. Test methods. Determination of compressive strength of repair mortar. (02/21)	Table NG 57/1
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 Table NG 57/1
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 12390-3	Part 3: Compressive strength of test specimens (02/21)	Table NG 57/1
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 9/1 NG Sample Appx 7/1 NG Sample Appx 7/1TS
BS EN 12620	Aggregates for concrete (11/09)	622 1001 1603 1610 1702 5703
BS EN 12676	Anti-glare systems for roads (05/04)	
BS EN 12676-1	Part 1: Performance and characteristics (05/17)	412
BS EN 12697	Bituminous mixtures – Test methods for hot mix asphalt (11/05)	925
BS EN 12697-22	Part 22: Wheel tracking (11/09)	942 943
BS EN 12697-26	Part 26: Stiffness (11/09)	929
BS EN 12697-27	Sampling (02/21)	942
BS EN 12697-37	Part 37: Hot sand test for the adhesivity of binder on precoated chippings for HRA (11/09)	915
BS EN 12812	Falsework. Performance requirements and general design (12/14)	1710
BS EN 12843	Precast concrete products. Masts and poles (12/14)	1710
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
BS EN 13043	Aggregates for bituminous mixtures and surface treatments for roads, airfields and other trafficked areas (11/03)	901
BS EN 13055	Lightweight aggregates (12/14)	1702
BS EN 13055-1	Part 1: Lightweight aggregates for concrete, mortar and grout (12/14)	1702
BS EN 13074	Bitumen and bituminous binders. Recovery of binder from bituminous emulsion or cut-back or fluxed bituminous binders. (02/21)	
BS EN 13074-1	Recovery by evaporation. (05/18)	955
BS EN 13108	Bituminous mixtures. Material specifications (11/09)	901 902 911 911TS 925 942
BS EN 13108-1	Part 1: Asphalt concrete (11/09)	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 13183	Moisture 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 1/1 503 600 613 803 1051 1052 1100
BS EN 13251	Geotextiles and geotextile-related products. Characteristics required for use in earthworks, foundations and retaining structures (02/16)	607 NG Sample Appx 6/5
BS EN 13252	Geotextiles and geotextile-related products. Characteristics required for use in drainage systems. (02/21)	515
BS EN 13285	Unbound mixtures – Specification (11/09)	Table NG 1/1 505 600 613 803 804 1100
BS EN 13286	Unbound and hydraulically bound mixtures (11/09)	1059
BS EN 13286-4	Part 4: Test methods for laboratory reference density and water content. Vibrating hammer (11/09)	804
BS EN 13395	Products and systems for the protection and repair of concrete structures. Test methods. Determination of workability. (02/21)	
BS EN 13395-2	Test for flow of grout or mortar. (02/21)	Table NG 57/1
BS EN 13395-3	Test for flow of repair concrete. (02/21)	Table NG 57/1
BS EN 13501-1	Fire classification of construction products and building elements. Classification using data from reaction to fire tests (02/21)	5703 NG Sample Appx 57/1
BS EN 13588	Bitumen and bituminous binders – Determination of cohesion of bituminous binders with pendulum test. (05/18)	918 919 922 955
BS EN 13632	Bitumen and bituminous binders. Visualisation of polymer dispersion in polymer modified bitumen (02/16)	NG Sample Appx 7/1
BS EN 13369	Common rules for precast concrete products (12/14)	1704 1710 NG Sample Appx 17/7



BS EN 13670	Execution of concrete structures (12/14)	1701 Table NG 17/1 1704 1707 1710 1711 1713 1724 1725 5714 5717 NG Sample Appx 57/3
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 13791	Assessment of in-situ compressive strength in structures and pre-cast concrete components (12/14)	1707 1727
BS EN 13808	Bitumen and bituminous binders. Framework for specifying cationic bituminous emulsions. (11/09)	Table NG 9/8 920 Table NG 9/13 955
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 13924	Bitumen and bituminous binders. Specifications for hard paving grade binders (11/09)	NG Sample Appx 7/4 930 955
BS EN 14188	Joint fillers and sealants. Specifications for primers to be used with joint sealants (02/16)	711
BS EN 14227	Hydraulically bound mixtures – Specifications (11/09)	1051 1059
BS EN 14227-1	Part 1: Cement bound granular mixtures for road bases and subbases (11/09)	1051 1054
BS EN 14364	Plastics piping systems for drainage and sewerage with or without pressure. Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP). Specifications for pipes, fittings and joints. (02/21)	NG Sample Appx 5/1 NG Sample Appx 5/1
BS EN 14399	High-strength structural bolting assemblies for preloading (12/14)	1805
BS EN 14487	Sprayed concrete. (02/21)	5701 5717 NG Sample Appx 57/4

BS EN 14555	Welding. Arc stud welding of metallic materials. (12/14)	Table NG 1/1
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)	955
BS EN 14647	Calcium aluminate cement. Composition, specifications and conformity criteria (12/14)	1702
BS EN 14770	Bitumen and bituminous binders. Determination of complex shear modulus and phase angle, Dynamic Shear Rheometer (DSR). (05/18)	918 919 955
BS EN 14844	Precast concrete products. Box culverts (12/14)	1710
BS EN 14889	Fibres for concrete (12/14)	1702
BS EN 15050	Precast concrete products. Bridge elements (12/14)	1710 5701
BS EN 15258	Precast concrete products. Retaining wall elements (12/14)	1710
BS EN 16236	Evaluation of conformity of aggregates. Initial Type Testing and Factory Production Control. (12/14)	1702
BS EN 15167-1	Part 1: Definitions, specifications and conformity criteria (12/14)	1710
BS EN 22063	Metallic and other inorganic coatings. Thermal spraying. Zinc, aluminium and their alloys (05/03)	5006
BS EN 45011	General requirements for bodies operating product certification schemes (05/18)	942
BS EN 60529	Specification for degrees of protection provided by enclosures (02/21)	5712
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 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 (12/14)	Table NG 1/1
BS EN ISO 2063	Thermal spraying. Metallic and other inorganic coatings. Zinc, aluminium and their alloys. (12/14)	Table NG 1/1 1904 1907 1910
‘BS EN ISO 2808, BS 3900-C5’	Paints and varnishes. Determination of film thickness (11/06)	Table NG 1/1 1914 5012
‘BS EN ISO 2811-1, BS 3900-A19’	Paints and varnishes. Determination of density. 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

BS EN ISO 3506	Mechanical properties of corrosion-resistant stainless steel fasteners (05/06)	
BS EN ISO 3834	Quality requirements for fusion welding of metallic materials. (12/14)	1807 NG Sample Appx 18/1
BS EN ISO 4618	Paints and varnishes. Terms and definitions. (12/14)	1911
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 6507	Metallic materials. Vickers hardness test (12/14)	Table NG 1/1
BS EN ISO 8501	Preparation of steel substrates before application of paints and related products. Visual assessment of surface cleanliness (12/14)	
BS EN ISO 8501-1	Part 1: Rust grades and preparation grades of uncoated steel substrates and of steel substrates after overall removal of previous coatings. (02/21)	5711
BS EN ISO 8501-3	Preparation grades of welds, edges and other areas with surface imperfections (12/14)	1810 NG Sample Appx 18/1
BS EN ISO 8502	Preparation of steel substrates before application of paints and related products. Test for the assessment of surface cleanliness (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 cleanliness. 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 cleanliness. Field method for the refractometric determination of moisture (11/09)	1914 5012
BS EN ISO 8503	Preparation of steel substrates before application of paints and related products. Surface roughness characteristics of blast-cleaned steel substrates. (12/14)	
BS EN ISO 8503-1	Part 1: Specifications and definitions for ISO surface profile comparators for the assessment of abrasive blast-cleaned surfaces. (12/14)	1904
BS EN ISO 8503-2	Part 2: Method for the grading of surface profile of abrasive blast-cleaned steel. Comparator procedure (12/14)	1904
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)	NG Sample Appx 7/3 NG Sample Appx 7/4 NG Sample Appx 7/7 NG Sample Appx 7/21
BS EN ISO 10319	Geosynthetics. Wide-width tensile test	NG Sample Appx 6/5
BS EN ISO 10684	Fasteners. Hot dip galvanized coatings. (12/14)	Table NG 1/1

BS EN ISO 11058	Geotextiles and geotextile-related products. Determination of water permeability characteristics normal to the plane, without load. (02/16)	NG Sample Appx 6/5
BS EN ISO 11600	Building construction. Jointing products. Classification and requirements for sealants. (02/16)	1016, 1017
BS EN ISO 12236	Geosynthetics. Static puncture test (CBR test)	NG Sample Appx 6/5
BS EN ISO 12696	Cathodic protection of steel in concrete. (02/21)	5703 5712 5718 5719
BS EN ISO 12956	Geotextiles and geotextile-related products. Determination of the characteristic opening size (02/16)	NG Sample Appx 6/5
BS EN ISO 14122	Safety of machinery. Permanent means of access to machinery. (02/17)	
BS EN ISO 14122-3	Stairs, stepladders and guard-rails. (02/17)	1110
BS EN ISO 14919	Thermal spraying, Wires, rods and cords for flame and arc spraying. Classification. Technical supply conditions. (12/14)	Table NG 1/1
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 15613	Specification and qualification of welding procedures for metallic materials. Qualification based on pre-production welding test (12/14)	Table NG 1/1
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 1807
BS EN ISO 15614-2	Part 2: Arc welding of aluminium and its alloys (11/09)	408
BS EN ISO 15630	Steel for the reinforcement and prestressing of concrete. Test methods. Test methods (12/14)	1718
BS EN ISO 15630-3	Part 3: Prestressing steel (12/14)	1718
BS EN ISO 17636	Non-destructive testing of welds. Radiographic testing. X- and gamma-ray (02/21)	
BS EN ISO 17636-1	Part 1: Techniques with film (02/21)	Table NG 1/1
BS EN ISO 17636-2	Part 2: Techniques with digital detectors (02/21)	Table NG 1/1
BS EN ISO 17640	Non-destructive testing of welds. Ultrasonic testing. Techniques, testing levels, and assessment (02/21)	Table NG 1/1
BS EN ISO 17660	Welding – Welding of reinforcing steel (12/14)	1717 Table NG 1/1
BS EN ISO 17660-1	Part 1: Load-bearing welded joints (12/14)	1717

BS EN ISO 17660-2	Part 2: Non load-bearing welded joints (12/14)	1717
BS EN ISO 20345	Personal protective equipment. Safety footwear (05/06)	NG Sample Appx 1/20NI
BS EN ISO/IEC 17025	General requirements for the competence of testing and calibration laboratories (05/09)	105
BS ISO 2631	Mechanical vibration and shock. Evaluation of human exposure to whole body vibration.	109

2. (05/01) **BRITISH STANDARD CODES OF PRACTICE**  
(Published by the British Standards Institution)

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

None

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

**(Published by the British Standards Institution)**

		<b>NG Specification Clause/Table/Sample Appendix</b>
DD 213: 1996	Method for determination of the indirect tensile stiffness modulus of bituminous mixtures (11/09)	948

---

<b>4. (05/01) EUROPEAN STANDARDS</b>		<b>NG Specification</b>
<b>(Including draft standards (prEN))</b>		<b>Clause/Table/Sample</b>
		<b>Appendix</b>
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
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 10138	Prestressing steels (12/14)	1718
prEN 13286	Unbound and hydraulically bound mixtures. Methods for making test specimens (11/09)	948



---

<b>5.</b>	<b>(05/01) INTERNATIONAL STANDARDS</b>	
	<b>(Published by the International Organization for Standardization)</b>	
		<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
ISO 12091	Structured-wall thermoplastics pipes- Oven test	NG Sample Appx 5/7 (Table 1)

6. (05/14) **PUBLICATIONS OF THE DEPARTMENT FOR TRANSPORT AND  
OTHER GOVERNMENT OFFICES**

(Published by The Stationery Office or HMSO)

	<b>NG Specification Clause/Table/Sample Appendix</b>
Traffic Signs Manual – Chapter 5	1212 1213
Traffic Signs Manual – Chapter 7	1202
Traffic Signs Manual – Chapter 8 (11/09)	117 117NI 120 NG Sample Appx 1/20 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.	<p>(05/14) <b>UK OVERSEEING ORGANISATIONS PUBLICATIONS INCLUDING THEIR PREDECESSOR'S PUBLICATIONS</b></p> <p><b>(Published by The Stationery Office or HMSO)</b></p>	<p><b>NG Specification Clause/Table/Sample Appendix</b></p>
GD 01	Introduction to the Design Manual for Roads and Bridges (DMRB 0.1.2) (05/14)	000
	<b>Bridges – Standards</b>	
CS 464	Non-destructive Testing of Highway Structures (DMRB 3.1.7) (03/20)	1727
CD 374	The use of Coarse Crushed Concrete Aggregates in Structural Concrete (DMRB 2.3.9) (03/20)	1702
BA 35	Inspection and Repair of Concrete Highway Structures (02/20)	5703 5706 5708 5709 5712
BD 2	Technical Approval of Highway Structures (DMRB 1.1.1) (12/14)	106 NG Sample Appx 1/10 NG Sample Appx 1/11 NG Sample Appx 6/10 1802 NG Sample Appx 25/2 NG Sample Appx 25/4 5702
CG 300	Technical Approval of Highway Structures (DMRB) (04/21)	1802 1807
BD 7	Weathering Steel for Highway Structures (DMRB 2.3.8) (02/03)	2504
CD 361	Weathering Steel for Highway Structures (DMRB) (04/21)	1802 1812
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 47) CD 358	Waterproofing and Surfacing of Concrete Bridge Decks (02/20)	5714
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
CD 372	Design of post-installed anchors and reinforcing bar connections in concrete (03/20)	1729
<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 84	Nature Conservation and Biodiversity (DMRB 10.4.1) (11/09)	3007
CD 527	Sumplex Gullies (DMRB 4.2.3) (05/06)	508
<b>Highways – Standards</b>		
HD 22 / CD 622	Managing Geotechnical Risk (DMRB 4.1.2) (02/03)	1601 1704
HD 25	Foundations (DMRB 7.2.2) (11/09)	613
HD 26	Pavement Design (DMRB 7.2.3) (11/09)	701 929 NG Sample Appx 7/1, NG Sample Appx 7/ITS 1000 1051 1054
CS 228	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 5701
HD 36	Surface Materials for New and Maintenance Construction (DMRB 7.5.1) (11/09)	NG Sample Appx 7/7 NG Sample Appx 7/21 918 919 922 924 Table NG 9/24 942 1044
CD 236	Surface course materials for construction (07/21)	901
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 7/21 919 920 922
HD 38	Concrete Surfacing and Materials (DMRB 7.5.2)	1044
CD 239	Footway and cycleway pavement design (02/21)	1100
CD 521	Hydraulic design of road edge surface water channels and outlets (02/20)	523
LA 113	Road Drainage and the Water Environment (03/20)	1709
<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
TA92	Crossover and Changeover Design (DMRB 8.4.6) (05/14)	117 117NI
<b>Traffic Engineering – Standards</b>		
CD 377	Requirement for Road Restraint Systems (DMRB 2.2.8) (03/20)	401 412 406 NG Sample Appx 4/1
CD 127	Cross-sections and Headrooms (03/20)	401
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 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)	700 900 909 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
	<b>Highways Agency traffic systems and signing Publications</b>	
	<b>Traffic Control and Communications – Specifications</b>	
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)	1504 1529
MCH 1540	Specification for the Installation of Detector Loops on Motorways and all Purpose Trunk Roads (11/09)	Table NG 1/1 1218
MCH 2530		125 NG Sample Appx 1/25
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
TRH 2583	General Regulation Highways Agency Cables (02/17)	1506

<b>8. (05/14) TRANSPORT RESEARCH LABORATORY REPORTS</b>		<b>NG Specification</b>
<b>(Published by TRL (formerly TRRL))</b>		<b>Clause/Table/Sample</b>
		<b>Appendix</b>
LR 346	Selection of materials for sub-surface drains – R Spalding	505
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)	1054
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 54	Contractor Report 54, Soil Corrosivity Assessment (02/16)	622
TRL 152	Earth pressures against an experimental retaining wall backfilled with Lias Clay, A H Brookes, D R Carder, P Darley	610
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
TRL 494	The Behaviour of Asphalt in Adverse Hot Weather Conditions (11/09)	903
TRL 636	The application of Enrobe a Module Eleve in flexible pavements (11/09)	930
TRL 674	Durability of thin surfacing system, Part 4, Final report after nine years monitoring. (05/18)	942
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



<b>9.</b>	<b>(05/14) UK and EU LEGISLATION</b>	<b>NG Specification Clause/Table/Sample Appendix</b>
	Construction Products Regulation (EU) No.305/2011 (05/17)	000 104 Table NG 1/1 201 401 600 630
	Constructions Product Directive (89/106/EEC) (05/14)	104
	Low Voltage Directive (2006/95/EEC) (05/14)	104
	Electromagnetic Compatibility Directive (2004/108/EC) (05/14)	104
	Personal Protective Equipment Directive (96/58/EC) (05/14)	104
	Civil Explosives Directive (93/15/EEC) (05/14)	104 607
	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 1709
	The Roads (Northern Ireland) Order 1980	117NI
	The Roads (Northern Ireland) Order 1993 (03/20)	1709
	The Construction Design and Management Regulations (05/17)	124 401
	The Traffic Signs Regulations and General Direction 2002 (11/09)	1200 1206 1212 1213 1217 NG Sample Appx 12/1 NG Sample Appx 12/INAW
	The Road Traffic Regulations 1984 (11/09)	NG Sample Appx 1/27
	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)	1200NI 1206NI 1212 1213 NG Sample Appx 12/1NI
The Water Act (1989)	1618
The Environmental Impact Assessment (Scotland) Regulations 1999 (03/20)	1709
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

**10.** (05/14) **QUALITY MANAGEMENT SYSTEMS**

National Highway Sector Schemes Documents (08/03)  
Scheme 13A – Sector Scheme Document for the Supply and Application of Surface Dressing (11/09)  
Scheme 13B – Sector Scheme Document for the Supply and Application of Microsurfacing (11/09)

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

104

NG Sample Appx 7/3

NG Sample Appx 7/7

<b>11.</b>	<b>(05/14) MISCELLANEOUS</b>	<b>NG Specification Clause/Table/Sample Appendix</b>
	Government Buying Standards (05/14)	101 102
	Official Journal of the European Union (OJEU) (05/14)	104
	HAUC Code of Practice for Diversionary Works (05/14)	116 NG Sample Appx 1/16
	UK Government Timber Procurement Policy: Criteria for Evaluating Certification Schemes (Category A Evidence) (05/14)	126
	UK Government Timber Procurement Policy: Framework for Evaluating Category B evidence (05/14)	126
	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 1703 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
	BSI PD 6694-1 Recommendations for the design of structures subject to traffic loading to BS EN 1997-1 (02/16)	630
	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 1085 1086
‘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
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 911W 915 929 Table NG 9/25 930 937 Table NG 9/27 943 NG Sample Appx 7/1
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 1704
IAN 96/07 Guidance on Implementing Results of Research on Bridge Deck Waterproofing (11/09)	903
Road Surface Treatment Association (RSTA) documents (11/09)	922
Code of Practice for Slurry Surfacing Incorporating Microsurfacing, RSTA & ADEPT (05/18)	918
The Service Life of Surface Treatments for Asset Management Purposes, RSTA & ADEPT (05/18)	918 922 924
Code of Practice for High Friction Surfacing, RSTA & ADEPT (05/18)	924
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

Mechanical Construction of Concrete Pavements and Ancillary Works – Concrete Society – Technical Report No. 45	1000 1024
Design of Concrete Mixes. HMSO, 1988	1000
A Guide to Concrete Road Construction. HMSO, 1978	1024
Britpave Guide to Roller Compacted Concrete Pavements, BP/55 (02/20)	1051 1055
Concrete Centre document CCIP-009	1055
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
MPI-21-012014 Major Project Instruction – Requirement and Guidance for new schemes to perform a metal theft risk assessment. (02/17)	1502
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
Concrete Bridge Development Group Technical Guide 6 ‘High strength concrete in bridge construction’ (12/14)	1702 1727
PD 6682: Aggregates (12/14)	1702
Part 1: Aggregates for concrete – Guidance on the use of BS EN 12620 (12/14)	1702
Part 4: Lightweight aggregates for concrete, mortar and grout – Guidance on the use of BS EN 13055-1 (12/14)	1702
Concrete Society Technical Reports 63 ‘Guidance for the design of steel-fibre-reinforced concrete’ (12/14)	1702
Concrete Society Technical Reports 65 ‘Guidance on the use of macro-synthetic-fibre-reinforced concrete’ (12/14)	1702
Concrete Society Technical Reports 61 ‘Enhancing reinforced concrete durability’ (12/14)	1704
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
CIRIA Report C660 ‘Early age thermal crack control in concrete’ (12/14)	1704 5711 1710
PD CEN/TR 15739 ‘Precast Concrete Products – Concrete Finishes – Identification’ (12/14)	1707
Appearance Matters 3 The Control of Blemishes in Concrete. William Monks – Cement and Concrete Association – 1981 (out of print) (05/03)	1708
Concrete Society Publication ‘Concrete on Site 8 – Making good and finishing’ (12/14)	1708
Concrete Bridge Development Group Current Practice Sheet No. 10 ‘Controlled Permeability Formwork’ (03/20)	1710
Concrete Society Publications CS 030 ‘Formwork: a guide to good practice’ (12/14)	1710
Concrete Society Publication CS 123 ‘Checklist for Erecting and Dismantling Falsework’ (12/14)	1710
Concrete Society Publication CS 140 ‘Guide to flat slab falsework and formwork’ (12/14)	1710
Concrete Society Publication CS 144 ‘ Checklist for Assembly, Use and Striking of Formwork’ (12/14)	1710
Concrete Society Publication CS 162 – Good concrete guide 6 ‘Slipforming of vertical structures’ (12/14)	1710
Concrete Society Publication CS164 – Good concrete guide 8’ Concrete practice – Guidance on the practical aspects of concreting’ (12/14)	1710

Concrete Society Publication ‘Concrete on Site 11 – Winter Working’ (12/14)	1710
Formwork Striking Times – Methods of Assessment. CIRIA (Report No. 136)	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
American Concrete Institute (ACI) 345.2R (03/20)	1709
Grouting of Tendons in Prestressed Concrete. Fédération Internationale de le Précontrainte Guide to Good Practice. Thomas Telford Ltd	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
Concrete Society Technical Report TR 72 ‘Durable post-tensioned concrete structures’, 2nd edition (12/14)	1710 1711 1724 1725 NG Sample Appx. 17/6
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
PD 6705-2 Structural use of steel and aluminium. Recommendations for the execution of steel bridges to BS EN 1090-2 (12/14)	1800 1802 1803 1804 1805 1806 1807 1808 1812
PD 6703 Structural bearings. Guidance on the use of structural bearings. (08/14)	1805 2101 NG Sample Appx 21/1
The American Society for Testing and Materials ASTM Standard D 4541 – Type III Standard Test Method for Pull-off Strength of Coatings Using Portable Adhesion Testers (12/14)	Table NG 1/1
The American Society for Testing and Materials ASTM Standard G 62-07 Standard Test Methods for Holiday Detection in Pipeline Coatings (12/14)	Table NG 1/1



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
The American Society for Testing and Materials ASTM Standard C869/C869M-11 (03/20)	2608
The American Society for Testing and Materials ASTM Standard C796/C796M (03/20)	2608
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
Guidance for Pollution Prevention (GGPs) (02/20)	5709
Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, Polymer Overlays and Concrete Repair, ICRI 301.2R:2013 published by the International Concrete Repair Institute (02/20)	5710
EOTA Technical Report TR 29 Design of Bonded Anchors	5711
Electrochemical Tests for Reinforcement Corrosion published by the Concrete Society/Institute of Corrosion	5718
Measurement of Concrete Resistivity for Assessment of Corrosion Severity of Steel using Wenner Technique from the ACI Journal published by the American Concrete Institute	5718 5719 5721
Technical Note 19 of the Corrosion Prevention Association (part of the Structural Concrete Alliance)	5719 5721
Concrete Society Technical Report TR 69 Repair of Concrete Structures with reference to BS EN 1504	5720
RILEM TC-154 Technical Recommendation	5721