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

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# ANNEX 1

## PUBLICATIONS REFERRED TO IN THE NOTES FOR GUIDANCE

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

(Published by the British Standards Institution)

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BS 381C	Specification for colours for identification, coding and special purposes.	1212
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BS 594	Hot rolled asphalt for roads and other paved areas.	NG Sample Appx 7/4
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	Part 111. Method for determination of resistance to permanent deformation bituminous mixtures subject to unconfined uniaxial loading.	NG Sample Appx 7/3
BS 709	Methods of destructive testing fusion welded joints and weld metal in steel.	402 1310 2204
BS 812	Testing aggregates.	901 1704
	Part 2. Methods for determination of density.	1003
	Part 111. Methods for determination of ten per cent fines value (TPV).	806
	Part 114. Method for determination of polished stone-value.	924
	Part 120. Method for testing & classifying drying shrinkage of aggregates in concrete.	1702 801
	Part 121. Methods for determination of soundness.	801NI
	Part 124: 1989. Method for determination of frost-heave.	806
BS 871	Specification for abrasive papers and cloths.	402 1310 2204
BS 873	Road traffic signs and internally illuminated bollards.	1200 1202 1221 1200NI
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	Part 2. Specification for miscellaneous signs.	1216
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	Part 6. Specification for retroreflective and non-retroreflective signs.	1202 1204
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BS 882	Specification for aggregates from natural sources for concrete.	503 622 1001 1036 1037 1038 1039 1531 1603 1610

BS 970	Specification for wrought steels for mechanical and allied engineering purposes.	1801
BS 1047	1996. Part 1. Specification for air-cooled blast-furnace slag aggregate for use in construction.	1702
BS 1199 and BS 1200	Specifications for building sands from natural sources	1716
BS 1377	Methods of test for soils for civil engineering purposes. Part 2. Classification tests.	631 1036 1037 1038 1039
	Part 3. Chemical and electro-chemical tests.	637
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	Part 5. Compressibility, permeability and durability tests.	640
	Part 6. Consolidation and permeability tests in hydraulic cells and with pore pressure measurement.	640
BS 1707	Specification for hot binder distributors for road surface dressing.	919 922
BS 1722	Fences.	303 307
BS 1881	Testing concrete. Part 201. Guide to the use of non-destructive methods of test for hardened concrete. Part 204. Recommendations on the use of electromagnetic cover meters. Part 205. Recommendations for radiography of concrete.	1707 1727 1727 1727
BS 1924	Stabilized materials for civil engineering purposes. 1990.  Part 2. Methods for test for cement-stabilized and lime-stabilized materials.	948 1041 1046 1035 1036 1037 1038 1039
BS 2000	Methods of test for petroleum and its products.	NG Sample Appx 7/1.
BS 2015	Glossary of paint and related terms.	1911
BS 2092	Specification for industrial eye-protection.	NG Sample Appx 1/20 NG Sample Appx 1/20NI
BS 2499	Hot-applied joint sealant systems for concrete pavements. Part 1. Specification for joint sealants	710 711
BS 3145	Specification for laboratory pH meters.	Table NG 16/1

BS 3690	Bitumens for building and civil engineering.	1704
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BS 3900	Methods of test for paints.	
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BS 3921	Specification for clay bricks.	2406
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BS 3923	Methods for ultrasonic examination of welds.	1801
	Part 2. Automatic examination of fusion welded butt joints in ferritic steels.	1801
BS 3969	Recommendations for turf for general purposes.	3005
BS 4254	Specification for two-part polysulphide-based sealants.	1016
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BS 4395	Specification for solderable tin or tin-lead coated wires for component terminations.	1801
	Part 2. High grade bolts and nuts general grade washers.	1801
BS 4466	Specification for scheduling, dimensioning, bending and cutting of steel reinforcement for concrete.	1713
BS 4800	Schedule of paint colours for building purposes.	1911
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BS 4872	Specification for approval of welders when welding procedure is not required.	1800
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	Part 2. Specification for transport, laying and compaction.	901 912 935 936
BS 5080	Structural fixings in concrete and masonry.	403 1305
BS 5135	1984. Specification for arc welding of carbon and carbon manganese steels.	1801
BS 5228	Noise and vibration control on construction and open sites. Part 1. Code of practice for basic information and procedures for noise control.	109
	Part 2. Guide to noise and vibration control legislation for construction and maintenance.	109
	Part 4. Code of practice for noise and vibration control applicable to piling operations.	109
BS 5328	Concrete.	1001 1704 2602
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	Part 4. Specification for the procedures to be used in sampling, testing and assessing compliance of concrete.	1004
BS 5390	Code of practice for stone masonry.	2409 2413
BS 5400	Steel, concrete and composite bridges.	Appx 19/4 Appx 19/4SE
	Part 3. Code of practice for design of steel bridges.	1801
	Part 4. Code of practice for design of concrete bridges.	1602 1603 1610 1612 1704 1712 1716 1717 1727
	Part 6 : 1999. Specification for materials and workmanship, steel.	1801 NG Sample Appx 18/1
	Part 8 : 1978. Recommendations for materials and workmanship, concrete, reinforcement and prestressing tendons.	1724
	Part 9.1 : 1983. Code of practice for design of bridge bearings.	NG Sample Appx 21/1
	Part 9.2 : 1983. Specification for materials, manufacture and installation of bridge bearings.	2101
	Part 10 : 1980. Code of practice for fatigue.	1717 1801
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	Road lighting	NG Sample Appx 14/2
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BS 5589	Code of practice for preservation of timber.	304
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BS 5649	Lighting columns. Part 2: 1978. Dimensions and tolerances.  Part 3: 1982. Specification for materials and welding requirements.	NG Sample Appx 13/2 1309 NG Sample Appx 13/1 Appx 13/3 Appx 13/INI 1310
BS 5666	Methods of analysis of wood preservatives and treated timber. Part 2. Qualitative analysis. Part 3. Quantitative analysis of preservatives and treated timber containing copper/chromium/arsenic formulations.	311  311
BS 5835	Recommendations for testing of aggregates.	803 804 806 850SE 948 1046
BS 5930	Code of practice for site investigations (formerly CP 2001).	642
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.	2407 NG Sample Appx 24/1
BS 6089	Guide to the assessment of concrete strength in existing structures.	1004
BS 6105	Specification for corrosion-resistant stainless steel fasteners.	1801
BS 6349	Maritime Structures.	1606
BS 6779	Highway parapets for bridges and other structures. Part 1 : 1992. Specification for vehicle containment parapets of metal construction.  Part 2. Specification for vehicle containment parapets of concrete construction.  Part 3. Specification for vehicle containment parapets of combined metal and concrete construction.	2201 2202 2204 NG Sample Appx 22/1  2201  2201
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. Part 2. Code of practice for on-site installation.	1422
BS 6925	Specification for mastic asphalt for building and civil engineering (limestone aggregate).	2005
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.	NG Sample Appx 18/1
BS 7671	Regulations for Electrical Installations. IEE Wiring Regulations Sixteenth Edition.	1418 1420 1424 1424NI 1526
BS 7903	1997. Guide to selection and use of gully tops and manholes covers for installation within the highway.	507
BS 7962	Black materials for masking existing road markings. Specification	1212
BS 8002	Code of practice for earth retaining structures.	1615
BS 8004	Code of practice for foundations.	630 1602 1603 1610
BS 8005	Part 1. Guide to new sewerage construction. Part 2. Guide to pumping stations and pumping mains.	2505 2505
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 8005	Part 1. Guide to new sewerage construction. Part 5. Guide to rehabilitation of sewers.	2505 2505
BS 8417	Recommendations for the Preservation of Timber (11/02)	311
BS 8666	Part 1. Specification for scheduling dimensioning bending and cutting of steel reinforcement for concrete.	1712 1713
BS EN 40	Lighting Columns Part 1. Definitions and terms.	Appx 13/2
BS EN 58	Methods for sampling petroleum products Methods for sampling bituminous binders.	NG Sample Appx 7/1
BS EN 124	Gully tops and manhole tops for vehicular and pedestrian areas. Design requirements, type testing, marking, quality control.	507 1532
BS EN 196	Part 21. 1992. Determination of the chloride, carbon dioxide and alkali content of cement.	1704
BS EN 197-1	Part 1. Composition, specification and conformity criteria for common cements (05/02)	1702
BS EN 287	Approval testing for fusion welding Part 1. Steel. Part 2. Aluminium and Aluminium alloys.	1800 1800
BS EN 288	Specification and approval of welding procedures for metallic materials. Part 3. Welding procedure tests for the arc welding of steels.	1801 402 1310 2204

	Part 4. Welding procedure tests for the arc welding of aluminium and its alloys.	1310 2204
BS EN 252	Field test method for determining the relative protective effectiveness of a wood preservative.	311
BS EN 335	Safety footwear for professional use.	NG Sample Appx 1/20 NG Sample Appx 1/20NI
BS EN 335	Part 1. Classification of hazard classes.	311
BS EN 350	Part 2. Guide to natural durability and treatability of selected wood species of importance in Europe.	311
BS EN 351	Part 1. Classification of preservative penetration and retention.	311
BS EN 571	Part 1. General principles.	1801
BS EN 599	Part 1. Specification according to hazard class of preservative-treated wood.	311
BS EN 752	Part 3. Planning.	2505
BS EN 970	Non-destructive examination of fusion welds. Visual examination.	1801
BS EN 971	Part 1. Paints and varnishes. Terms and definitions for coating materials.	1911
BS EN 1295	Structural design of buried pipelines under various conditions of loading.	Table NG 5/1
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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.	2505
BS EN 1714	Non-destructive examination of welded joints. Ultrasonic examination of welded joints.	1801
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BS EN 1790	Road marking materials. Performance road markings.	1212
BS EN 1793	Part 1. Road traffic noise reducing devices. Test method for determining the acoustic performance. Intrinsic characteristic of sound absorption.	2504 NG Sample Appx 25/4
	Part 2. Road traffic noise reducing devices. Test method for determining the acoustic performance. Intrinsic characteristic of airborne sound insulation.	2504 NG Sample Appx 25/4
BS EN 1794	Part 1. Road traffic noise reducing devices. Non-acoustic performance. Mechanical performance and stability requirements.	2504 NG Sample Appx 25/4
	Part 2. Road traffic noise reducing devices. Non-acoustic performance. General safety and environmental requirements.	2504 NG Sample Appx 25/4
BS EN 1824	Road marking materials. Road trials.	1212

BS EN 10 025	Hot rolled products of non-alloy structural steels. Technical delivery conditions.	1309 NG Sample Appx 18/1
BS EN 10 084	Case hardened steels. Technical delivery conditions.	1800
BS EN 10 087	Free cutting steels. Technical delivery conditions for semi-finished products, hot rolled bars and rods.	1800
BS EN 10 095	1991. Heat resisting steels and nickel alloys.	1800
BS EN 10 113	Hot-rolled products in weldable fine grain structural steels.	NG Sample Appx 18/1
BS EN 10 137	Plates and wide flats made of high yield strength structural steels in the quenched and tempered or precipitation hardened conditions.	NG Sample Appx 18/1
BS EN 10 155	Structural steels with improved atmospheric corrosion resistance. Technical delivery conditions.	NG Sample Appx 18/1
BS EN 10 160	Ultrasonic testing of steel flat product of thickness or greater than 6mm (reflection method).	1801
BS EN 10 210	Hot finished structural hollow sections of non-alloy and fine grain structural steels.	NG Sample Appx 18/1
BS EN 10 277	1999. Bright steel products. Technical delivery conditions. Part 1. General	1800
	Part 2. Steels for general engineering purposes.	1800
	Part 3. Free cutting steels.	1800
	Part 4. Case hardened steels.	1800
	Part 5. Steel for quenching and tempering.	1800
BS EN 10 278	1999. Dimensions and tolerances of bright steel products.	1800
BS EN 12 490	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	NG Sample Appx 7/4 901 944
BS EN 13 183	Part 1. Round and sawn timber - method of measurement of moisture content - method for determining moisture content of a piece of sawn timber (oven-dry method). (11/02)	311
	Part 2. Round and sawn timber - method of measurement of moisture content - method for determining moisture content of a piece of sawn timber (electrical method). (11/02)	311
BS EN 22 063	Metallic and other inorganic coatings. Thermal spraying. Zinc, aluminium and their alloys.	1904 1907 1910
BS EN 60 651	Specification for sound level matters.	NG Sample Appx 1/9 Notes (iv)
BS EN 60 804	Specification for integrating - averaging sound level meters.	NG Sample Appx 1/9 Notes (iv)
BS EN 60 947	Part 3. Switches, disconnectors, switch-disconnectors and fuse-combination units.	1418

BS EN ISO 9002 :1994	Quality systems. Model for quality assurance in production, installation and servicing.	104 NG Sample Appx 7/3 Appx 7/4 Appx 7/7 Appx 7/21 Appx 1/24
<b>2.</b>	<p>(05/01) <b>BRITISH STANDARD CODES OF PRACTICE</b> (Published by the British Standards Institution)</p> <p>Note: Code of practice published under a BS NO. are included in Section 1</p>	<b>NG Specification Clause/Table/Sample Appendix</b>
CP 312	Code of practice for plastic pipework (thermoplastic materials).	518
<b>3.</b>	<p>(05/01) <b>BRITISH STANDARD DRAFTS FOR DEVELOPMENT (DD) DOCUMENTS</b> (Published by the British Standards Institution)</p>	<b>NG Specification Clause/Table/Sample Appendix</b>
DD 213	Method for determination of the indirect tensile stiffness modulus of bituminous mixtures.	NG Sample Appx 7/1 944
DD 226	Method of determining resistance to permanent deformation of bituminous mixtures subject to unconfined dynamic loading.	NG Sample Appx 7/1 944 952
DD 228	Methods for determination of maximum density of bituminous mixtures.	943
<b>4</b>	<p>(05/01) <b>EUROPEAN STANDARDS</b> (Including draft standards (prEN))</p>	<b>NG Specification Clause/Table/Sample Appendix</b>
EN 638	Plastics piping and ducting systems. Thermoplastics pipes. Determination of tensile properties.	NG Sample Appx 5/7 (Table 2)
EN 727	Plastics piping and ducting systems. Thermoplastics pipes. Determination of Vicat softening temperature (VST).	NG Sample Appx 5/7 (Table 2)
EN 743	Plastics piping and ducting systems. Thermoplastics pipes. Determination of the longitudinal reversion.	NG Sample Appx 5/7 (Table 1)

EN 763	Plastics piping and ducting systems. Injection moulded thermoplastics fittings. Test method for visually assessing effects of heating.	NG Sample Appx 5/7 (Table 1)
EN 922	Plastics piping and ducting systems. Pipes and fittings of unplasticized poly (vinyl chloride) (PVC-U). Specimen preparation and calculation of the K-value.	NG Sample Appx 5/7 (Table 1)
EN 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)
prEN 12 272-1	Surface Dressing - Test Methods Part 1: Rate of spread and accuracy of spread of binder and chippings.	922
prEN 12 272-2	Surface Dressing - Test Methods Part 2: Visual Assessment of Defects.	922
prEN 12 274-8	Slurry Surfacing - Test Methods Part 8: Visual Assessment of Defects.	918
prEN 13 074	Bitumen and Bituminous binders - Recovery of binder from bitumen emulsions by evaporation.	923 (Table 1)
EN 45 002	General criteria for the assessment of testing laboratories.	803 804 850SE 1001
EN 45 011	General criteria for certification bodies operating product certification.	104
EN 45 012	General criteria for certification bodies operating quality system certification.	104
prEN ISO 3126	Plastics piping systems. Plastic piping components. Measurement and Determination of Dimensions (Document number 00/124147(PR188NO381)).	518

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

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

		<b>NG Specification Clause/Table/Sample Appendix</b>
ISO 527	Plastics. Determination of tensile proportions.	NG Sample Appx 5/7 (Table 3)
ISO 1133	Plastics. Determination of the melt mass rate (MFR) and the melt volume-flow rate (MVR) of thermoplastic.	NG Sample Appx 5/7 (Table 3)
ISO 1183	Plastics. Methods for determining the density and relative density of non-cellular plastics.	NG Sample Appx 5/7
ISO 2808	Paints and vanishes. Determination of the film thickness.	1914

ISO 4440	Thermoplastics pipes and fittings. Determination of melt mass-flow rate.	NG Sample Appx 5/7 (Table 1)
ISO 4451	Polyethylene (PE) pipes and fittings. Determination of reference density of uncoloured and black polyethylenes.	NG Sample Appx 5/7 (Table 1)
ISO 11819	Measurement of the influence of road surfaces on traffic noise Part 1. Statistical Pass-BY method.	918 922
ISO 12091	Structured-wall thermoplastics pipes- Oven test.	NG Sample Appx 5/7 (Table 1)
<b>6.</b>	<p><b>(05/01) DEPARTMENT OF TRANSPORT; DEPARTMENT OF ENVIRONMENT, TRANSPORT AND THE REGIONS; SCOTTISH DEVELOPMENT DEPARTMENT; THE SCOTTISH OFFICE; WELSH OFFICE, AND DEPARTMENT OF THE ENVIRONMENT FOR NORTHERN IRELAND PUBLICATIONS</b></p> <p><b>(Published by The Stationery Office or HMSO)</b></p>	<p><b>NG Specification Clause/Table/Sample Appendix</b></p>
	Traffic Signs Manual - Chapter 5.	1212 1213
	Traffic Signs Manual - Chapter 7.	1202
	Traffic Signs Manual - Chapter 8.	117 117NI NG Sample Appx 1/2 NG Sample Appx 1/2NI 1216
	Working Drawings for Traffic Sign Design and Manufacture. (3 Volumes)	1206 1206NI
	Local Transport Note 2/94: Directional Informationary Signs Interim Design Note.	1202
<b>7.</b>	<p><b>(05/01) 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>
	<b>Bridges - Advice Notes</b>	
BA 27	Quality Assurance Scheme for Paints and Similar Protective Coatings. (DMRB 2.4.2)	1901
BA 32	Technical Approval for Highway Structures on Motorways and Other Trunk Roads Part I - General Procedures. (DMRB 1.1)	106

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BD 7	Weathering Steel for Highway Structures. (DMRB 2.3)	2504
BD 12	Design of Corrugated Steel Buried Structures. (DMRB 2.2.6)	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)	1301 1303 NG Sample Appx 13/1 Appx 13/2 NG Sample Appx 13/1NI
BD 33	Expansion Joints for Use in Highway Bridge Decks. (DMRB 2.3.6)	NG Sample Appx 23/1
BD 35	Quality Assurance Scheme for Paints and Similar Protective Coatings. (DMRB 2.4.1)	1912SE
BD 52	The Design of Highway Bridge Parapets. (DMRB 2.3.3)	2201 NG Sample Appx 22/1
BD 70	Strengthening/Reinforced and other Soils for Retaining Walls and Bridge Abutments (Use of BS 8006 : 1995). (MCHW 2.1.5)	622 2502
BD 83	Design of CCTV Masts. (DMRB 2.2.11)	1301 1303
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HA 34	Ground Investigation Procedure. (DMRB 4.1)	1601
HD 37	Bituminous Surfacing Materials and Techniques.	NG Sample Appx 7/2
HA 40	Determination of Pipe and Bedding Combinations for Drainage Works. (DMRB 4.2)	501 NG Sample Appx 5/1 2505
HA 41	A Permeameter for Road Drainage Layers. (DMRB 4.2)	640
HA 44	Earthworks : Design and Preparation of Contract Documents. (DMRB 4.1.1)	605 NG Sample Appx 6/1
HA 65	Design Guide for Environmental Barriers. (DMRB 10.5.1)	2504
HA 66	Environmental Barriers : Technical Requirements. (DMRB 10.5.2)	2504

<b>Highways - Standards</b>		
HD 22	Ground Investigation and Earthworks. (DMRB 4.1.2)	1601 1704
HD 25	Pavement Design and Maintenance: Foundations. (DMRB 7.2.2)	613 801 801NI
HD 26	Pavement Design. (DMRB 7.2.4)	701 936 1042
HD 27	Pavement Design and Maintenance: Pavement Construction Methods. (DMRB 7.2.4)	938
HD 36	Pavement Design and Maintenance: Skidding Resistance. (DMRB 7.5.1)	NG Sample Appx 7/1 NG Sample Appx 7/3 NG Sample Appx 7/7 NG Sample Appx 7/21 901 918 919 922 924 Table NG 9/22 942 1044
HD 31	Maintenance of Bituminous Roads. (DMRB 7.4.1)	706 926
HD 32	Maintenance of Concrete Roads. (DMRB 7.4.2)	706
HD 37	Bituminous Surfacing Materials and Techniques. (DMRB 7.5.2)	NG Sample Appx 7/2 NG Sample Appx 7/3 NG Sample Appx 7/21 920 919 922
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SD 4	Procedures for Adoption of Proprietary Manufactured Structures. (MCHW 0.2.4)	106

SD 10	Construction (Design and Management) Regulations 1994 : Requirements for Health and Safety File (MCHW 6.1.12). Design Manual for Roads and Bridges (DMRB).	000 600 605 1200 1200NI 1301 1302 1301NI 2606NI
	Design Manual for Roads and Bridges (DMRB). Volume 7	700 900 948 1046
	Design Manual for Roads and Bridges (DMRB). Volume 8	1301 1301NI
	Design Manual for Roads and Bridges (DMRB). Volume 10	1301 3006 3007 3012
	Trunk Road Maintenance Manual Volume 1.	NG Sample Appx 1/20 NG Sample Appx 1/20NI 2606
	WO Trunk Road Management and Maintenance Notice 2/86.	2606

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

**(Published by Highways Agency. E-mail: [tss\\_plans\\_registry@highways.gov.uk](mailto:tss_plans_registry@highways.gov.uk))**

**NG Specification  
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Appendix**

**Traffic Engineering - Advice Notes**

TA 60	The Use of Variable Message Signs on All-Purpose and Motorway Trunk Roads. (DMRB 8.2)	1206 1206NI
TA 61	Currency of the Traffic Signs Manual. (DMRB 8.2.2)	117 117NI
TA 63	Convey Working	117 117NI
TA 64	Narrow lane and tidal flow operations on motorways and dual carriageway trunk roads with full width hard shoulders. (DMRB 8.4.3)	117 117NI

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