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NG Specification

ANNEX 1

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| 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 10888 | Stainless Steels (11/05) | |
| BS EN 10888-1 | Part 1: List of stainless steels (11/05) | 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 | 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 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 12272-3 | Part 3: Rate of spread and accuracy of spread of binder and chippings (11/05) | 922 |
| 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 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 | NG Sample Appx 7/4 901 944 |
|---------------|--|--|
| BS EN 12593 | Methods of test for petroleum and its products. Bitumen and bituminous binders. Determination of the Fraass breaking point (11/04) | NG Sample Appx 7/1 |
| BS EN 12607 | Methods of test for petroleum and its products – Bitumen and bituminous binders | NG Sample Appx 7/1 |
| BS EN 12607-1 | Part 1: Determination of the resistance to hardening under the influence of heat and air. RTFOT method (11/05) | 923 |
| BS EN 12620 | Aggregates for concrete (05/04) | Table NG 1/1 1001 1531 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 12697-5 | Part 5: Determination of the maximum density (11/05) | 943 |
| BS EN 13043 | Aggregates for bituminous mixtures and surface treatments for roads, airfields and other trafficked areas (11/03) | 901 |
| 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 (11/04) | 921 |
| 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 (11/04) | 503 800 801 803 805 806 951 |
| BS EN 13285 | Unbound mixtures - Specification (11/04) | 505 |
| | | 613 |
| | | 800 801 |
| | | 803 |
| | | 804 |
| | | 805 |

| BS EN 13286 | Unbound and hydraulically bound mixtures. (11/05) | |
|---------------------|---|-------------------|
| BS EN 13286-4 | Part 4: Test methods for laboratory reference density and water content. Vibrating hammer (05/06) | 804 870 |
| BS EN 13286- 41 | Part 41: Test method for the determination of the compressive strength of hydraulically bound mixtures (11/05) | 870 |
| BS EN 13286- 42 | Part 42: Test method for the determination of the indirect tensile strength of hydraulically bound mixtures (05/06) | 870 |
| BS EN 13286- 43 | Part 43: Test method for the determination of the modulus of elasticity of hydraulically bound mixtures (05/06) | 870 |
| BS EN 13286- 46 | Part 46: Test method for the determination of the moisture condition value (05/06) | 870 |
| BS EN 13286- 47 | Part 47: Test method for the determination of California bearing ratio, immediate bearing index and linear swelling (05/06) | 870 |
| BS EN 13286- 48 | Part 48: Test methods for the determination of the degree of pulverisation (11/05) | 870 |
| BS EN 13286- 51 | Part 51: Method for the manufacture of test specimens of hydraulically bound mixtures using vibrating hammer compaction (11/05) | 870 |
| BS EN 13877 | Concrete pavements (11/05) | 1000 |
| | Part 1: Materials (11/05) | 1000 |
| DS EN 13677-1. | Tatt 1. Waterials (11/03) | 1001 |
| BS EN 13877-2 | Part 2: Functional requirements for concrete pavements (11/05) | 1000 |
| BS EN 14227 | Hydraulically bound mixtures - Specifications (11/05) | |
| BS EN 14227-1 | Part 1: Cement bound granular mixtures for road bases and subbases (11/05) | 800 810 821 |
| | | 870 |
| BS EN 14227-2 | Part 2: Slag bound mixtures (11/05) | 800 810 870 |
| RS FN 14227-3 | Part 3: Fly ash bound mixtures (11/05) | 800 |
| D6 D1 (1122 / 3 | Tures. Try doi: count suintures (Tives) | 810 870 |
| BS EN 14227-4 | Part 4: Fly ash for hydraulically bound mixtures (11/05) | 800 810 870 |
| BS EN 14 227-5 | Part 5: Hydraulic road binders bound mixtures (11/05) | 800 810 870 |
| BS EN 14 227- 10 | Part 10: Soil cement and cement stabilized soils (11/05) | 800 810 870 |
| BS EN 14227- 11 | Part 11: Soil treated by lime (11/05) | 800 810 870 |
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| BS EN 14227- 12 | Part 12: Soil treated by slag (11/05) | 800 810 870 |
|---------------------------------------|--|---|
| BS EN 14227- 13 | Part 13: Soil treated by hydraulic road binder (11/05) | 800 810 870 |
| BS EN 14227- 14 | Part 14: Soil treated by fly ash (11/05) | 800 810 870 |
| BS EN 22063 | Metallic and other inorganic coatings. Thermal spraying. Zinc, aluminium and their alloys (05/03) | 1904 1907 1910 5006 |
| 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 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 pyknometer method (11/03) | NG Sample Appx 5/7 Tables 1 and 2 |
| BS EN ISO 1856 | Flexible cellular polymeric materials. Determination of compression set (11/03) | Table NG 1/1 |
| BS EN ISO 2440 | Flexible and rigid cellular polymeric materials - Accelerated aging tests (11/03) | Table NG 1/1 |
| 'BS EN ISO 2808, 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 6259 | Thermoplastics pipes. Determination of tensile properties General test method (05/06) | NG Sample Appx 5/7 Tables 1, 2 and 3 |

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| '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 8502-3 (BS 7079-D3) | Preparation of steel substrates before application of paints and related products. Surface preparation methods. Hand-and power-tool cleaning (05/03) | 5003 5003NI |
| BS EN ISO 9001 | Quality management systems - Requirements (05/06) | 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 15614 | Specification and qualification of welding procedures for metallic materials. Welding procedure test | 402 408 |
| BS EN ISO 15614-1 | Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys (11/05) | 1310 |
| BS EN ISO 15614-2 | Part 2: Arc welding of aluminium and its alloys (11/05) | 408 1310 |
| 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)

NG Specification Clause/Table/Sample Appendix

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

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

(Published by the British Standards Institution)

| | | NG Specification |
|--------------|--|---------------------|
| | | Clause/Table/Sample |
| | | Appendix |
| DD 213: 1996 | Method for determination of the indirect tensile stiffness modulus | |
| | of bituminous mixtures (11/04) | NG Sample Appx 7/1 |
| | | 944 |
| DD 226: 1996 | Method of determining resistance to permanent deformation of | |
| | bituminous mixtures subject to unconfined dynamic loading (11/04) | NG Sample Appx 7/1 |
| | | 944 |
| | | 952 |
| 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))

| | u // | |
|-----------------------|---|---|
| | | 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 933-11 | Tests for geometrical properties of aggregates - Part 11: Classification test for the constituents of coarse recycled aggregate (11/04) | 710 |
| prEN 12274-8 | Slurry Surfacing - Test Methods Part 8: Visual Assessment of Defects | 918 |
| prEN 13074 | Bitumen and Bituminous binders - Recovery of binder from bitumen emulsions by evaporation (11/03) | 923 923 (Table 1) |

5. (05/01) INTERNATIONAL STANDARDS

(Published by the International Organization for Standardization)

| | | NG Specification Clause/Table/Sample Appendix |
|-------------|--|---|
| ISO 527 | Plastics. Determination of tensile proportions | NG Sample Appx 5/7 (Table 3) |
| ISO 1133 | Plastics. Determination of the melt mass rate (MFR) and the melt volume-flow rate (MVR) of thermoplastic | NG Sample Appx 5/7 (Table 3) |
| ISO 1183 | Plastics. Methods for determining the density and relative density of non-cellular plastics | NG Sample Appx 5/7 |
| ISO 2808 | Paints and vanishes. Determination of the film thickness | 1914 |
| ISO 4440 | Thermoplastics pipes and fittings. Determination of melt mass-flow rate | NG Sample Appx 5/7 (Table 1) |
| ISO 4451 | Polyethylene (PE) pipes and fittings. Determination of reference density of uncoloured and black polyethylenes | NG Sample Appx 5/7 (Table 1) |
| ISO 11819 | Measurement of the influence of road surfaces on traffic noise | |
| ISO 11819-1 | Part 1: Statistical Pass-by method (05/06) | 918 922 |
| ISO 12091 | Structured-wall thermoplastics pipes- Oven test | NG Sample Appx 5/7 (Table 1) |

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

(Published by The Stationery Office or HMSO)

| NG Specification |
|---------------------|
| Clause/Table/Sample |
| Annendix |

Traffic Signs Manual - Chapter 5

Traffic Signs Manual - Chapter 7

Traffic Signs Manual - Chapter 8

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

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

(Published by The Stationery Office or HMSO)

| | Bridges - Standards | NG Specification Clause/Table/Sample Appendix |
|-------|--|--|
| BD 2 | Technical Approval of Highway Structures (DMRB 1.1.1) (05/04) | 106 NG Sample Appx 1/19 NG Sample Appx 6/10 1710 NG Sample Appx 13/1 NG Sample Appx 25/2 NG Sample Appx 25/4 |
| BD 7 | Weathering Steel for Highway Structures (DMRB 2.3.8) (02/03) | 2504 |
| BD 12 | Design of Corrugated Steel Buried Structures with Spans Greater than 0.9 metres and up to 8 metres (DMRB 2.2.6) (02/03) | 623 |
| BD 20 | Bridge Bearings – Use of BS 5400: Part 9: 1983 (DMRB 2.3.1) | 2101 NG Sample Appx 21/1 |
| BD 24 | Design of Concrete Highway Bridges. Use of BS 5400 : Part 4 : 1990 (DMRB 1.3.1) | 1602 1603 1610 |
| BD 26 | Design of Lighting Columns (DMRB 2.2.1) (11/03) | 1301 1301 NI 1303 #NG Sample Appx 13/1 NG Sample Appx 13/1NI NG Sample Appx 13/2 NG Sample Appx 13/1NI |
| BD 33 | Expansion Joints for Use in Highway Bridge Decks (DMRB 2.3.6) | NG Sample Appx 23/1 |
| BD 35 | Quality Assurance Scheme for Paints and Similar Protective Coatings (DMRB 2.4.1) (05/05) | 1901 5008 5012 |
| BD 52 | The Design of Highway Bridge Parapets (DMRB 2.3.3) | 2201 NG Sample Appx 22/1 |
| BD 70 | Strengthening/Reinforced Soils and other Fills for Retaining Walls and Bridge Abutments (Use of BS 8006 : 1995) (MCHW 2.1.5) (02/03) | 622 2502 |
| 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 |
| | Highways - Advice Notes | |
| HA 40 | Determination of Pipe and Bedding Combinations for Drainage Works (DMRB 4.2.5) (02/03) | 501 NG Sample Appx 5/1 2505 |
| HA 41 | A Permeameter for Road Drainage Layers (DMRB 4.2) | 640 |
| HA 44 | Design and Preparation of Contract Documents. (DMRB 4.1.1) (05/06) | 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 |
| HA 105 | Sumpless Gullies (DMRB 4.2.3) (05/06) | 508 |
| | Highways - Standards | |
| HD 22 | Managing Geotechnical Risk (DMRB 4.1.2) (02/03) | 1601 1704 |
| HD 25 | Foundations (DMRB 7.2.2) (05/06) | 613 801 |
| HD 26 | Pavement Design (DMRB 7.2.3) (11/06) | 701 819 NG Sample Appx 7/1, Schedule 5 |
| HD 27 | Pavement Construction Methods (DMRB 7.2.4) (05/06) | 938 |
| HD 31 | Maintenance of Bituminous Roads (DMRB 7.4.1) | #706 |
| HD 22 | Maintanana (Commanda De da (D) (DD 7.4.2) | 926 |
| HD 32 HD 35 | Maintenance of Concrete Roads (DMRB 7.4.2) Conversation and the Use of Secondary and Recycled Materials | #706 |
| HD 36 | (DMRB 7.1.2) (05/06) Surface Materials for New and Maintenance Construction | 800 |
| | (DMRB/7.5.1) (05/06) | 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 |

| | <u> </u> | |
|-------|--|--|
| HD 37 | Bituminous Surfacing Materials and Techniques (DMRB 7.5.2) | NG Sample Appx 7/2 NG Sample Appx 7/3 NG Sample Appx 7/21 919 920 922 |
| HD 38 | Concrete Surfacing and Materials (DRMB 7.5.2) | 1044 |
| | Traffic Engineering - Advice Notes | |
| TA 60 | The Use of Variable Message Signs on All-Purpose and Motorway Trunk Roads (DMRB 8.2) | #1206 1206NI |
| • | Traffic Engineering - Standards | |
| TD 33 | The Use of Variable Message Signs on All-Purpose and Motorway Trunk Roads (DMRB 8.2.2) (05/06) | 1206 1200H |
| | | 1206NI |
| G + 4 | Contracts - Advice Notes | 104 |
| SA 1 | List of Compliant/Approved/Registered Products (MCHW 0.3.1) (05/06) | 104 1901 |
| SA 2 | Assessing Equivalence (MCHW 0.3.2) | 104 |
| SA3 | Testing in Highway Construction Contracts (MCHW 0.3.3) | 000 105 |
| SA 9 | Ground Investigation Procedure (MCHW 5.3.2) (11/03) | 600 1601 |
| | Contracts - Standards | |
| SD 10 | Construction (Design and Management) Regulations 1994: Requirements for Health and Safety File (MCHW 6.1.11) (02/03) | 000 |
| 1 | | 600 605 1200 1200NI 1301 1302 1301NI 2606NI |
| SD 11 | Construction (Design and Management) Regulations 1994: Requirements for Health and Safety File (MCHW 6.1.2) (11/06) | 404 410 |

| SD 13 | Documentation Requirements for Ground Investigation Contracts (11/03) | 1601 |
|-------|--|--|
| | Design Manual for Roads and Bridges (DMRB). Volume 7 (05/05) | 700 824 |
| | | 900 948 |
| | 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 |

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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 | |
| MCG 1022 | Testing for Newly Installed Motorway Communications and Power Cables (05/06) | 1518 |
| MCG 1055 | Testing for Newly Installed Motorway Optical Fibre Communications Cable (Single Mode) (05/06) | 1518 |
| MCG 1099 | NMCS Non-Armoured Cables: Installed Cable Testing Procedures (05/06) | 1518 |
| MCH 1349 | NMCS: Maintenance Instruction Motorway and Trunk Roads Technology Operational and Maintenance Requirements of | |
| | Technology Systems and Equipment (05/06) | 1525 |
|) (CH 1 45 4 | | 1529 |
| MCH 1454 | Transmission Standards and Procedures | 1507 |
| MCH 1540 | Specification for the Installation of Detector Loops on Motorways and all Purpose Trunk Roads | 1218 |
| MCH 1596 | NMCS 2: Site Data Change Procedure Instructions (05/06) | 1525 |
| TR 2029 | NMCS Inductive Loop Detector Cable (05/06) | 1218 |
| TR 2031 | NMCS Feder Cable for Inductive Cable Detectors (05/06) | 1218 |
| TR 2150 | NMCS Non-Armoured Copper Communications Cable (05/06) | 1506 |
| TR 2151 | NMCS Non-Armoured Optical Fibre Communications Cable (05/06) | 1506 |
| TR 2152 | NMCS Non-Armoured Coaxial Communications Cable (05/06) | 1506 |
| TR 2153 | NMCS Non-Armoured Energy Cable (05/06) | 1506 |
| TR 2158 | NMCS Armoured Copper Communications Cable (05/06) | 1506 |
| TR 2159 | NMCS Armoured Optical Fibre Communications Cable (05/06) | 1506 |
| TR 2160 | NMCS Armoured Coaxial Communications Cable (05/06) | 1506 |
| TR 2161 | NMCS Armoured Energy Cable (05/06) | 1506 |

9. (05/01) TRANSPORT RESEARCH LABORATORY REPORTS

(Published by TRL (formerly TRRL))

| | | Clause/Table/Sample Appendix |
|---------|---|---------------------------------|
| LR 346 | Selection of materials for sub-surface drains - R Spalding | 505 515 |
| LR 1094 | Pre split blasting for highway rock excavation - G D Matheson, 1983 | 603 |
| LR 1102 | Compaction of bituminous road materials using vibratory rollers - W D Powell and D Leech, 1983 | 901 |
| PR 78 | Tests for voids and compaction in rolled asphalt surfacing - M E Daines | 943 |
| PR 113 | Advice on integrity testing of piles - A J C Gent and P Darley | 1608 |
| RR 4 | Cooling of bituminous layers and time available for their compaction - M E Daines | 901 |
| RR 45 | Winter air temperature in relation to frost damage in roads - P T Sherwood and P G Roe (11/04) | 814 |
| RR 53 | Ground vibration caused by civil engineering works - B M New | 607 |
| RR 130 | Pilot-scale studies of the trafficability of soil by earthmoving vehicles, A W Parsons and A F Toombs | 632SE |
| SR 717 | Standards of compaction of dense roadbase macadam - W D Powell and D Leech | 901 929 |
| SR 754 | Nuclear gauges for measuring the density of roadbase macadams: report of a working party, 1982 | 929 |
| PR 72 | Swelling pressulre 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 175 | Laboratory tests on high friction surfaces for highways (11/06) | 942 |
| TRL 216 | Road hunches: a guide to re-usable materials, J Porter, 1996 (05/05) | 824 948 |
| TRL 273 | Use and application of the MCA with particular reference to glacial tills - G D Matheson and M G Winter | 632SE |
| TRL 386 | Design guide and specification for structural maintenance of highway pavements by cold in-in situ recycling, Milton and | 824 |

| TRL 447 | Earland, 1999 (05/05) Sulfate specification for structural backfills, J M Reid, M A Czerewko and J C Cripps, 2001 (11/03) | 948 Table NG 1/1 601 643 |
|--------------|--|---|
| | Road Note 39 (Fifth Edition). Design Guide for Road Surface Dressing. Road Research Laboratory TRL Limited. JC Nicholls (11/03) | NG Sample Appx 7/3 NG Sample Appx 7/21 919 922 |
| 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 (11/04) | 816 |
| TRL 615 | Development of a More Versatile Approach to Flexible and Flexible Composite Pavement Design (11/04) | 810 819 |
| PA 3287/97 | Repeated load test with vacuum confinement - M Nunn | 952 |
| Road Note 39 | Design Guide for Road Surface Dressing (05/06) | 919 |

10. (05/01) ACTS AND STATUTORY INSTRUMENTS

| (05/01) ACTS AND STATUTORY INSTRUMENTS | |
|---|---|
| | NG Specification Clause/Table/Sample |
| The Town and Country Planning (Control of Advertisements) Regulations 1999 | Appendix |
| 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 (08/03) | NG Sample Appx 1/2 1200 1212 1213 |
| | NG Sample Appx 12/1 NG Sample Appx 12/1NAW |
| Road Vehicles Lighting Regulations (Northern Ireland) 2000 | NG Sample Appx 1/2NI NG Sample Appx 1/20NI |
| The Highway Code 1993 | NG Sample Appx 1/17 |
| The Road Vehicles Lighting Regulations 1989 | NG Sample Appx 1/20 |
| 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 Act 1991 (11/05) | NG Sample Appx 1/26 |
| 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 Part IIA (11/04) | 601 |
| 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 |
| 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 (11/04) | 901 |
| AASHTO PP1 - Practice for Accelerated Aging of Asphalt Binder Using Pressurized Aging Vessel (PAV) (11/04) | 953 |
| The Electricity at Work Regulations 1989 | 1424 |
| The Electricity at Work Regulations (Northern Ireland) 1991 | 1424NI |
| The Traffic Signs Regulations (Northern Ireland) 1997 | 1200NI 1206NI 1212 1213 |
| | NG Sample Appx 12/1NI |

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| The Water Act (1989) | 1618 |
|---|--------------|
| The Environmental Protection Acts (1990 and 1995) | 1618 |
| HSE Manual Handling Operations Regulations (1992) | 1532 |
| The Wildlife and Countryside Act 1981 | 3003 3012 |
| The Protection of Badgers Act 1992 | 3000 |
| The Habitat Regulations 1994 | 3012 |
| The Control of Lead at Work Regulations (05/03) | 5001 |
| The Control of Lead at Work Regulations (Northern Ireland) 2002 (05/03) | 5001 |
| The Control of Substances Hazardous to Health Regulations 2002 (05/03) | 5003 |
| The Control of Substances Hazardous to Health Regulations (Northern Ireland) 1999 (05/03) | 5003NI |

11. (05/01) QUALITY MANAGEMENT SYSTEMS

| (05/01) QUALITT MANAGEMENT STSTEMS | NG Specification Clause/Table/Sample Appendix |
|---|---|
| QA Register (formerly DTI QA Register) | 104 |
| United Kingdom Accreditation Service (UKAS) National Sector Schemes Documents (08/03) | 104 117 117NI |
| British Standards Institution (BSI) Sector Schemes Documents | 104 |
| Highway Authorities Product Approval Scheme Certification (HAPAS) | 104 |
| European Union of Agrément Directive for Assessment of Anchor Bolts MOAT No. 42 | 403 |
| Scheme 1 - Manufacture of Fencing Components (05/04) | NG Sample Appx 4/2 |
| Scheme 2 - Supply and Installation of Fences (05/04) | NG Sample Appx 4/2 |
| Scheme 2A - Sector Scheme Document for the Design and/or Supply, Installation and Repair of Fences for Infrastructure Works (11/06) | NG Sample Appx 4/2 |
| Scheme 2B - Sector Scheme Document for the Supply, Installation and Repair of Vehicle Restraint Systems (11/06) | Table NG 1/2 |
| Scheme 4 - Sector Scheme Document for Preservative Treatment of Timber (11/04) (BWPDA Guidance Note QGN -2) | Table NG 1/2 NG Sample Appx 4/2 |
| Scheme 5A - Sector Scheme Document for the Manufacture of Parapets for Road Restraint Systems (11/06) | NG Sample Appx 4/2 |
| Scheme 5B - Sector Scheme Document for the Installation of Parapets for Road Restraint Systems (11/06) | 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 amd Removing Static Temporary Traffic Management on Motorways and High Speed Dual Carraigeways 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 (11/06) | Table NG 1/2 |
| Scheme 13B - Sector Scheme Document for the Supply and Application of Microsurfacing (11/06) | Table NG 1/2 |
| Scheme 14 - Sector Scheme Document for the Quality Management of the Production of Asphalt Production (11/06) | Table NG 1/2 |
| 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 | Table NC 1/2 |
| of Ferrous Materials by Industrial Coatings (11/06) | Table NG 1/2 |

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

British Board of Agrément Certificates (BBA Certificates, BBA HAPAS Roads and Bridges Certificates, BBA Roads and Bridges Certificates) (11/06) NG Specification Clause/Table/Sample Appendix

13. (05/01) MISCELLANEOUS

| (65/61) 1415 CEEELTI (2005 | |
|---|---|
| | NG Specification Clause/Table/Sample Appendix |
| The Institution of Civil Engineers (ICE) Conditions of Contracts - Thomas Telford Limited | 000 |
| IAN 65/05 Design of Vehicle Recovery Operations at Road Works (11/05) | NG Sample Appx 1/20 |
| The speedmeter Handbook (Second Edition) issued by Police Scientific Development Branch (PSDB) - Publication No. 27/92 | NG Sample Appx 1/26 |
| Forest Stewardship Council (FSC) The FSC Standards for UK, FSC Standards Group, | |
| FSC UK Office, Unit D, Station Building, Llanidloes SY18 6EB Email: hanah@fsc.uk.demon.co.uk (11/02) | 304 |
| 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 SDI. Concrete in aggressive ground. (Published in four parts) Building Research Establishment (11/05) | 501 644 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) http://environment-agency.gov.uk/commondata/105385/guide_to_ | |
| using_sgvs_675263.pdf | 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 |
| Manual for Maintenance and Repair of Concrete Roads. HMSO, 1986. (Produced jointly by the DOT and the Cement and Concrete Association) (11/03) | 706 706 NI 1000 |

35

| 'Quality Protocol for the Production of Aggregates' - Waste and Resources Action Programme is available from WRAP, The Old Academy, 21 Horse Fair, Banbury OX16 0AH. The document is also available on the WRAP website, http://www.wrap.org.uk./ (11/04) | 710 |
|--|--|
| The Institution of Petroleum Test Method IP 80 | NG Sample Appx 7/1 |
| 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 |
| 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 |
| TRRL Mini-Texture Meter Operating/Maintenance Manual (1986). Available from W D M Ltd, Bristol | 921 922 |
| 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 (11/03) | 923 |
| The Institution of Petroleum Test Method IP PM CM/99 | 928 |
| The American Society for Testing and Materials Standard ASTM D 2041-91: Test Method for Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures 1991 | 943 |
| AASHTO PPI - Practice for Accelerated Aging of Asphalt Binder Using Pressurized Aging Vessl (PAV) (05/06) | 953 |
| 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 cast-in-situ retaining walls with modifications | 1601 |
| The Institution of Civil Engineers (ICE) Specification for Piling and Embedded Retaining Walls 1996 with modifications | 1601 1608 1609 |
| 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 |
| | 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 |
| | CIRIA Report PB3. The Use & Influence of Bentonite in Bore Pile Construction | 1618 |
| | API Recommended Practice 13B-1. Standard Procedure for Field Testing Water-based Drilling Fluids. American Petroleum Institute | |
| | 1990 | Table NG 16/1 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 Thaumasite 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 |
| 4 | 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 (<i>fib</i>) (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 | 2505 |
| Model of specification for Control of Japanese Knotweed | 3002 |
| Arboriculture Research Note 150/00- Japanese Knotweed in Amenity Areas by C Hawke and D R Williamson from Arboriculture Advisory and Information Service at Alice Holt Lodge, Wrecclesham, Farnham, Surrey, GU10 4LH | 3002 |
| Arboriculture Research Note 40/89- Tree staking by D Patch from Arboriculture Advisory and Information Service at Alice Holt Lodge, Wrecclesham, Farnham, Surrey, GU10 4LH | 3006 |
| 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 |

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