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**APPENDIX F  
PUBLICATIONS REFERRED TO IN THE  
SPECIFICATION**

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# APPENDIX F

## PUBLICATIONS REFERRED TO IN THE SPECIFICATION

The following list, as modified and extended by the Contract-specific minor alterations in Appendix 0/2 (if any), is a list of the publications to which reference is made in the Specification:

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

(Published by The British Standards Institution)

|          |  | <b>Specification<br/>Clause/Table/<br/>Appendix</b>                                   |
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| BS 4     | Structural steel sections (05/04)  | 408   |
| BS 4-1   | Specification for hot-rolled sections (05/04)  | 408<br>1204   |
| BS 65    | Specification for vitrified clay pipes, fittings and ducts, also flexible mechanical joints for use solely with surface water pipes and fittings | Table 5/1<br>Table 5/2<br>504<br>Appx B   |
| BS 76    | Specification for tars for road purposes   | 2004  |
| BS 144   | Specification for coal tar creosote for wood preservation  | 311   |
| BS 187   | Specification for calcium silicate (sandlime and flintlime) bricks   | 2406  |
| BS 381C  | Specification for colours for identification, coding and special purposes (05/05)  | Table 19/1<br>Table 50/1  |
| BS 434   | Bitumen road emulsions (anionic and cationic)<br>Part 1. Specification for bitumen road emulsions (11/04)  | 814<br>919<br>920<br>922  |
| BS 437   | Specification for cast iron spigot and socket drain pipes and fittings   | Table 5/1<br>504<br>Appx B  |
| BS 505   | 1971. Specification for road traffic signals (AMD 1990, 1976)  | 1217<br>Appx A  |
| BS 594   | Hot rolled asphalt for roads and other paved areas   |   |
| BS 594-1 | Part 1. Specification for constituent materials and asphalt mixtures (11/04)   | 901<br>904<br>905<br>910<br>911<br>915<br>937<br>943<br>946<br>1105<br>2003<br>Appx A |

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| BS 594-2 | Part 2. Specification for the transport, laying and compaction of rolled asphalt (11/04)  | 901<br>920<br>946<br>1105<br>Appx A   |
| BS 598   | Sampling and examination of bituminous mixtures for roads and other paved areas<br>Part 100. Methods for sampling for analysis (11/03)                                  | 925<br>926<br>929<br>937<br>938<br>942<br>Appx A  |
| BS 598   | Part 101. Methods for preparatory treatments of samples for analysis  | 925<br>938<br>942<br>Appx A   |
| BS 598   | Part 102. Analytical test methods (11/04)   | Table 6/1<br>804<br>911<br>925<br>929<br>937<br>938<br>942<br>948<br>Table 9/14<br>Table 9/17<br>Appx A |
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| BS 598   | Part 107. Method of test for the determination of the composition of design wearing course rolled asphalt   | 911<br>926  |
| BS 598   | Part 108. Methods for determination of the condition of the binder on coated chippings and for measurement of the rate of spread of coated chippings                    | 925   |
| BS 598   | Part 109. Methods for the assessment of the compaction performance of a roller and recommended procedures for the measurement of the temperature of bituminous mixtures | 901   |
| BS 598   | Part 110. Methods of test for the determination of wheel-tracking rate (11/03)  | 937<br>952  |

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| BS 812    | Part 104. Method for qualitative and quantitative petrographic examination of aggregates   | Appx G   |
| BS 812    | Part 124: 1989. Method for determination of frost-heave (05/04)  | 602<br>801   |
| BS 873    | Road traffic signs and internally illuminated bollards   | 1202<br>1214   |
|           | Part 1. Methods of test  | 1216<br>Appx A   |
| BS 873    | Part 2. Specification for miscellaneous signs  | 1211<br>1216<br>Appx A   |
| BS 873    | Part 3. Specification for internally illuminated bollards  | 1210<br>Appx A   |
| BS 873    | Part 5. Specification for internally illuminated signs and external lighting luminaires  | 1202<br>1407<br>Appx A   |
| BS 873    | Part 6. Specification for retroreflective and non-retroreflective signs  | 1204<br>1205<br>1206<br>1207<br>1214<br>1216<br>1221<br>Appx A |
| BS 873    | Part 7. Specification for posts and fittings   | 1204<br>1221<br>Appx A   |
| BS 970    | Specification for wrought steels for mechanical and allied engineering purposes  |  |
|           | Part 1. General inspection and testing procedures and specific requirements for carbon, carbon manganese, alloy and stainless steels (05/04) | 507<br>1307<br>1311<br>1532<br>2502<br>2506                    |
| BS 1052   | Specification for mild steel wire for general engineering purposes   | 626  |
| BS 1088-1 | Marine plywood. Requirement (11/04)  | 308<br>Appx B  |
| BS 1088-2 | Marine plywood. Determination of bonding quality using the knife test (11/04)  | 308<br>Appx B  |
| BS 1202   | Specification for nails. (Parts 1 to 3)  | 305  |
| BS 1214   | Specification for hessian sandbags and rot-proofed hessian sandbags (11/03)  | 519  |

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| BS 1377   | Methods of test for soils for civil engineering purposes   |   |
| BS 1377-1 | Part 1. General requirements and sample preparation (11/03)  | 631<br>633  |
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| BS 1377-9   | Part 9. In-situ tests (11/04)  | 612<br>630<br>631<br>637<br>638<br>642<br>Table 6/1<br>948 |
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| BS 1447     | Specification for mastic asphalt (limestone fine aggregate) for roads, footways, and pavings in building (11/04)             | 901<br>1105<br>Appx B                                      |
| BS 1449     | Steel plate, sheet and strip (05/04)   |  |
| BS 1449-1.1 | Part 1.1. Carbon and carbon-manganese plate, sheet and strip. General specification (05/04)                                  | 408<br>501<br>2501   |
| BS 1554     | Specification for stainless and heat resisting steel round wire (11/04)  | Table 24/2   |
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| BS 1722     | Part 5. Specification for close boarded and wooden palisade fences   | 2504<br>Appx A   |
| BS 1722     | Part 7. Specification for wooden post and rail fences  | 304<br>306<br>Appx A                                       |
| BS 1722     | Part 8. Specification for mild steel (low carbon steel) continuous bar fences  | Appx A   |
| BS 1722     | Part 9. Specification for mild steel (low carbon steel) fences with round or square verticals and flat posts and horizontals | Appx A   |
| BS 1722     | Part 10. Specification for anti-intruder chain link fences in chain link and welded mesh                                     | Appx A   |

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| BS 1722 | Part 12. Specification for steel palisade fences   | Appx A  |
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| BS 1722 | Part 16. Specification for organic powder coatings to be used as a plastics finish to components and mesh (11/03)                              | 2604<br>Appx A  |
| BS 1881 | Testing concrete   |   |
|         | Part 124. Methods for analysis of hardened concrete (11/04)  | 1001  |
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| BS 1924 | Stabilized materials for civil engineering purposes  |   |
|         | Part 1. General requirements, sampling, sample preparation and tests on materials before stabilization (05/05)                                 | Table 8/18  |
| BS 1924 | Stabilized materials for civil engineering purposes  |   |
|         | Part 2. Methods of test for cement-stabilized and lime-stabilized materials (05/05)  | 602<br>Table 6/1<br>Table 8/18<br>824<br>870<br>948<br>1027<br>1030 |
| BS 2000 | Methods of test for petroleum and its products   |   |
| BS 2000 | Part 72. Determination of viscosity of cutback bitumen   | 923   |
| BS 2000 | Part 397. Recovery of bitumen binders. Dichloromethane extraction rotary film evaporator method  | 902<br>926  |
| BS 2484 | Specification for straight concrete and clayware cable covers  | 1421<br>1507  |
| BS 2499 | Hot applied joint sealant systems for concrete pavements   | 1017  |
|         | Part 1. Specification for joint sealants   | 1016  |
|         | Part 2. Code of practice for the application and use of joint sealants   | 1016  |
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| BS 2571 | Specification for general-purpose flexible PVC compounds for moulding and extrusion  | 2605  |
| BS 2752 | Chloroprene rubber compounds. Specification (05/04)  | 1017  |
| BS 2782 | Methods of testing plastics (11/03)  |   |
| BS 2782 | Part 3. Mechanical properties.   |   |
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|         | Determination of softness number of flexible plastics materials  |   |
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|         | Method 540B  | 626   |
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| BS 3100   | Specification for steel castings for general engineering purposes   | 1602<br>1606                         |
| BS 3145   | Specification for laboratory pH Meters  | Table 16/8                           |
| BS 3382   | Specification for electroplated coatings on threaded components   |                                      |
|           | Parts 1 and 2. Cadmium on steel components.<br>Zinc on steel components   | 1909                                 |
| BS 3410   | Specification for metal washers for general engineering purposes  | 1803<br>Appx A                       |
| BS 3416   | Specification for bitumen-based coatings for cold application, suitable for use in contact with potable water   | 1307<br>2104                         |
| BS 3470   | Specification for field gates and posts   | 304<br>308                           |
| BS 3506   | Specification for unplasticized PVC pipe for industrial uses  | Table 5/2<br>504<br>Appx B           |
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| BS 3690-1 | Part 1. Specification for bitumens for road and other paved areas (11/03)   | 919<br>922                           |
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| BS 3692   | ISO metric precision hexagon bolts, screws and nuts. Specification (05/04)  | 402                                  |
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| BS 3892   | Pulverized-fuel ash   |                                      |
|           | Part 1. Specification for pulverized-fuel ash for use with Portland cement (05/05)  | 824<br>948<br>1001<br>1702<br>Appx B |

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| BS 3892 | Part 2. Specification for pulverized-fuel ash for use as Type I addition (11/03)                               | 506<br>1001  |
| BS 3921 | Specification for clay bricks (05/05)  | 2417<br>2503   |
| BS 3923 | Methods for ultrasonic examination of welds (05/04)  | 1310   |
| BS 3936 | Nursery stock  |  |
| BS 3936 | Part 1 Specification for trees and shrubs  | 3006   |
| BS 3936 | Part 2. Specification for roses  | 3006   |
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| BS 3963 | Method for testing the mixing performance of concrete mixers (11/04)   | 805  |
| BS 3969 | Recommendations for turf for general purposes  | Table 6/1<br>3005<br>3006                                  |
| BS 3998 | Recommendations for tree work  | 3010   |
| BS 4027 | Specification for sulfate-resisting Portland cement (11/04)  | Table 17/1<br>2401<br>Appx B                               |
| BS 4043 | Recommendations for transplanting root-balled trees  | 3006   |
| BS 4072 | Copper/chromium/arsenic preparations for wood preservation (11/04)   | 311<br>1216<br>Appx B                                      |
| BS 4190 | ISO metric black hexagon bolts, screws and nuts. Specification (05/04)   | 408<br>1532  |
| BS 4254 | Specification for two-part polysulphide-based sealants (11/04)   | 1017<br>Appx B   |
| BS 4320 | Specification for metal washers for general engineering purposes. Metric series (05/04)                        | 305<br>403<br>407<br>408<br>1309<br>1803<br>2502<br>Appx A |
| BS 4346 | Joints and fittings for use with unplasticized PVC pressure pipes (11/04)                                      |  |
| BS 4395 | Specification for high strength friction grip bolts and associated nuts and washers for structural engineering | 501<br>Appx A  |
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| BS 4428 | Code of practice for general landscape operations (excluding hard surfaces)  | 3005<br>3006                                   |
| BS 4443 | Methods of test for flexible cellular materials  |  |
|         | Part 1. Methods 1 to 6   | 1017   |
|         | Methods of measuring dimensions, apparent density, tensile strength, and elongation at break cell count, compression stress-strain characteristics and compression set |  |
| BS 4443 | Part 4. Method 10. Determination of solvent swelling<br>Method 11. Humidity ageing at an elevated temperature<br>Method 12. Heat ageing.                               | 1017   |
| BS 4447 | Specification for the performance of prestressing anchorages for post-tensioned construction (11/03)   | 1724<br>Appx B                                 |
| BS 4449 | Specification for carbon steel bars for the reinforcement of concrete (05/04)  | 1008<br>1011<br>1012<br>1712<br>2502<br>Appx B |
| BS 4464 | Specification for spring washers for general engineering and automobile purposes. Metric series (05/04)  | 408  |
| BS 4482 | Specification for cold reduced steel wire for the reinforcement of concrete (11/03)  | 1008<br>1712<br>Appx B                         |
| BS 4483 | Steel fabric for the reinforcement of concrete (05/04)   | 408<br>1008<br>1712<br>Appx B                  |
| BS 4486 | Specification for hot rolled and processed high tensile alloy steel bars for the prestressing of concrete  | 1718<br>Appx B                                 |
| BS 4568 | Specification for steel conduit and fittings with metric threads of ISO form for electrical installations. Steel conduit, bends and couplers (08/03)                   | 1207   |
| BS 4604 | Specification for the use of high strength friction grip bolts in structural steelwork. Metric series  |  |
|         | Part 1. General grade  | 1803   |
| BS 4652 | Specification for zinc-rich priming paint (organic media)  | 1907   |
| BS 4660 | Thermoplastics ancillary fittings of nominal sizes 110 and 160 for below ground gravity drainage and sewerage (02/03)  | Table 5/1<br>Table 5/2<br>514<br>Appx B        |
| BS 4677 | Specification for arc welding of austenitic stainless steel pipework for carrying fluids   | 1310   |

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| BS 4872   | Specification for approval testing of welders when welding<br>procedure approval is not required (05/04) |   |
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| BS 4887   | Mortar admixtures (11/03)  |   |
| BS 4887-2 | Specification for set retarding admixtures (11/04)   | 2404  |
| BS 4921   | Specification for sherardized coatings on iron or steel (11/04)  | 1909  |
| BS 4933   | Specification for ISO metric black cup and countersunk<br>headbolts and screws with hexagon nuts (02/03) | Appx A  |
| BS 4962   | 1989. Specification for plastics pipes and fittings for use as<br>subsoil field drains (05/04)           | Table 5/1<br>503<br>514<br>515<br>Appx B  |
| BS 4978   | Specification for visual strength grading of softwood (11/03)  | 304   |
| BS 4987   | Coated macadam (asphalt concrete) for roads and other paved<br>areas (11/04)                             | 1105  |
| BS 4987-1 | Part 1. Specification for constituent materials and for mixtures<br>(11/04)                              | #702<br>702NI<br>801<br>901<br>903<br>904<br>905<br>906<br>909<br>910<br>911<br>912<br>914<br>916<br>929<br>Table 9/5 (Note)<br>930<br>931<br>937<br>938<br>947<br>1105<br>Appx A |
| BS 4987-2 | Part 2. Specification for transport, laying and compaction (11/04)                                       | 901<br>920<br>929<br>944<br>1105<br>Appx A  |

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| BS 5080   | Structural fixings in concrete and masonry (05/04)  |   |
| BS 5080-1 | Part 1. Method of test for tensile loading (11/04)  | 403<br>404<br>411<br>1306               |
| BS 5212   | Cold applied joint sealant systems for concrete pavements   |   |
|           | Part 1. Specification for joint sealants  | 1017                                    |
| BS 5212   | Part 2. Code of practice for the application and use of joint sealants  | 1016                                    |
| BS 5228   | Noise control on construction and open sites  |   |
|           | Part 1. Code of practice for basic information and procedures for noise control   | 109                                     |
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|           | Part 2. Code of practice for permissible stress design, materials and workmanship                                       | 304                                     |
| BS 5400   | Steel, concrete and composite bridges   | 006                                     |
| BS 5400   | Part 4. Code of practice for design of concrete bridges   | 1602                                    |
| BS 5400   | Part 6: 1999 (Amd. No. 13715, 3 October 2002). Specification for materials and workmanship, steel (05/04)               | 1801<br>1803                            |
| BS 5400   | Part 9: Section 9.2: 1983. Specification for materials, manufacture and installation of bridge bearings                 | 2101<br>2104                            |
| BS 5467   | Specification for armoured electric cables having thermosetting insulation 600/1000 V and 1900/3300 V (02/03)           | 1421<br>Appx B                          |
| BS 5480   | Specification for glass reinforced plastics (GRP) pipes, joints and fittings for use for water supply or sewerage       | Table 5/1<br>Table 5/2                  |
| BS 5481   | Specification for unplasticized PVC pipe and fittings for gravity sewers  | Table 5/1<br>Table 5/2<br>514<br>Appx B |
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| BS 5489-2 | Code of practice for the design of road lighting Lighting of tunnels (05/04)  | Appx A                                  |
| BS 5628   | Code of Practice for use of masonry   |   |
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|           | Part 3. Materials and components, design and workmanship (05/05)  | 2404<br>2414<br>2417<br>2503            |

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| BS 5649   | Lighting columns (05/04)   | 006<br>1314                             |
| BS 5649-2 | Part 2: 1978. Dimensions and tolerances (AMD 3136, 1979) (11/04)   | #1301<br>1301NI<br>1309<br>1310<br>1313 |
| BS 5649-5 | Part 5: 1982. Specification for base compartments and cableways (11/04)  | #1301<br>1301NI<br>1311                 |
| BS 5649-7 | Part 7. Method for verification of structural design by calculation (11/04)  | #1301<br>1301NI<br>1310                 |
| BS 5649-9 | Part 9. Specification of special requirements for reinforced and prestressed concrete lighting columns (11/04)   | #1301<br>1301NI                         |
| BS 5709   | Gaps, gates and stiles - Specification (11/03)   | 304<br>308                              |
| BS 5756   | Visual strength grading of hardwood (11/03)  | 304                                     |
| BS 5775   | Specification for quantities, units and symbols (Parts 0 to 13)  | 002                                     |
| BS 5837   | Guide for trees in relation to construction  | 3006                                    |
| BS 5896   | Specification for high tensile steel wire and strand for the prestressing of concrete (11/03)  | 1718<br>Appx B                          |
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| BS 5911-3 | Concrete pipes and ancillary concrete products - Part 3: Specification for unreinforced and reinforced concrete manholes and soakaways (complementary to BS EN 1917:2002) (05/05)  | 507<br>1532<br>2506<br>Appx B           |
| BS 5911   | Part 5. Precast concrete pipes, fittings and ancillary products. Specification for prestressed non-pressure pipes and fittings with flexible joints (05/05)  | Table 5/1<br>Table 25/1<br>Appx B       |
| BS 5911   | Concrete pipes and ancillary concrete products Part 6: Specification for road gullies and gully cover slabs (05/05)  | #508<br>508NI<br>Appx B                 |
| BS 5911   | Precast concrete pipes and ancillary concrete products Part 110. Specification for ogee pipes and fittings (including perforated) (05/05)  | Table 5/1<br>Appx B                     |
| BS 5911   | Part 114. Specification for porous pipes   | Table 5/1<br>Appx B                     |
| BS 5931   | Code of practice for machine laid in situ edge details for paved areas   | 517<br>1102<br>1103                     |
| BS 5972   | Specification for photo-electric control units for road lighting   | 1409                                    |

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| BS 6004 | Electric cables. PVC insulated, non-armoured cables for voltages up to and including 450/750V, for electric power, lighting and internal wiring. (08/03) | 1419   |
| BS 6073 | Precast concrete masonry units   |  |
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| BS 6089 | Guide to the assessment of concrete strength in existing structures  | 1003   |
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| BS 6265 | Specification for resistance seam welding of uncoated and coated low carbon steel (08/03)  | 1606   |
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| BS 6779-1                      | Part 1: 1992<br>Specification for vehicle containment parapets<br>of metal construction (05/04)   | 1305   |
| BS 6779-2                      | Specification for vehicle containment parapets of concrete<br>construction (05/04)  | 401  |
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| BS 6906                        | Methods of test for geotextiles (11/03)   |  |
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| BS 6949                        | Specification for bitumen-based coatings for cold<br>application excluding use in contact with potable water  | 1307<br>2104                                 |
| 'BS 7079-F10,<br>ISO 11126-10' | Part F10. Preparation of steel substrates before application of<br>paints and related products. Non-metallic blast-cleaning<br>abrasives. Almandite garnet. (05/05) | 1903<br>5003                                 |
| BS 7123                        | Specification for metal arc welding of steel for concrete<br>reinforcement  | 1603<br>1604<br>1605<br>1610<br>1611<br>1717 |
| BS 7282                        | Field test method for determining the relative protective<br>effectiveness of a wood preservative in ground contact   | 311  |
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| BS EN 1426   | Methods of tests for petroleum and its products. Bitumen and bituminous binders. Determination of needle penetration   | 902<br>941  |
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| BS EN ISO 8402                    | Quality management and quality assurance. Vocabulary (11/04)   | #104<br>104NI |
| 'BS EN ISO 8501-1,<br>BS 7079-A1' | Preparation of steel substrates before application of paints and related products. Visual assessment of surface cleanliness. Part 1: Rust grades and preparation grades of uncoated steel substrates and of steel substrates after overall removal of previous coatings. (05/05) | 1604          |
|                                   |  | 1803          |
|                                   |  | 1904          |
|                                   |  | 5004          |
|                                   |  | 5005          |

|                                |   |  |
|--------------------------------|---|--|
| 'BS EN ISO 8501-2, BS 7079-A2' | Preparation of steel substrates before application of paints and related products. Visual assessment of surface cleanliness. Part 2: Preparation grades of previously coated steel substrates after localized removal of previous coatings. (05/05)   | 5004   |
| BS EN ISO 8502                 | Preparation of steel substrates before application of paints and related products. Tests for the assessment of surface cleanliness (05/05)  |  |
| BS EN ISO 8502-2               | Preparation of steel substrates before application of paints and related products. Tests for assessment surface cleanliness Part 2: Laboratory determination of chloride on cleaned surfaces (05/05)  | 1902<br>5002   |
| BS EN ISO 8502-3               | Preparation of steel substrates before application of paints and related products. Tests for assessment surface cleanliness Part 3: Assessment of dust on steel surfaces prepared for painting (pressure-sensitive tape method) (05/05)   | 1902<br>5002   |
| BS EN ISO 8502-4               | Preparation of steel substrates before application of paints and related products. Tests for assessment surface cleanliness Part 4: Guidance on the estimation of the probability of condensation prior to paint application (05/05)  | 1902<br>5002   |
| BS EN ISO 8502-6               | Preparation of steel substrates before application of paints and related products. Tests for assessment surface cleanliness Part 6: Extraction of soluble contaminants for analysis. The Bresle method (05/05)  | 1902<br>5002   |
| 'BS EN ISO 8502-9, BS 7079-B9' | Field method for the conductometric determination of water-soluble salts (05/05)  | 1902<br>5002   |
| 'BS EN ISO 8503-1, BS 7079-C1' | Preparation of steel substrates before application of paints and related products. Surface roughness characteristics of blast-cleaned steel substrates (05/05)<br>Specifications and definitions for ISO surface profile compactors for the assessment of abrasive blast-cleaned surfaces (05/05) | 1904<br>5004   |
| BS EN ISO 9001                 | Quality management systems - Requirements (05/05)   | #104<br>104NI<br>810<br>824<br>903 to 907<br>909 to 912<br>914<br>916<br>920<br>929<br>930<br>937 to 938<br>942 to 943<br>946 to 948<br>1424<br>1711 |
| BS EN ISO 9934                 | Non-destructive testing. Magnetic particle testing (11/03)  |  |
| BS EN ISO 9934-1               | Part 1. General principles (05/04)  | 403<br>1310  |

|   |   |                         |
|---|---|-------------------------|
| BS EN ISO 9967:<br>1995, BS 2782-11:<br>Method 1114A:1995 | Thermoplastics pipes. Determination of creep ratio (11/03)  | Table 5/9               |
| BS EN ISO 9969:<br>1995, BS 2782-11:<br>Method 1114B:1995 | Thermoplastics pipes. Determination of ring stiffness (11/03)   | Table 5/9               |
| BS EN ISO 10319   | Geotextiles - Wide-width tensile test (11/03)   | 514<br>609              |
| 'BS EN ISO 11124-2,<br>BS 7079-E2'                        | Preparation of steel substrates before application of paints and related products. Specifications for metallic blast-cleaning abrasives Chilled-iron grit (05/05)                             | 1903<br>5003            |
| 'BS EN ISO 11124-3,<br>BS 7079-E3'                        | Preparation of steel substrates before application of paints and related products. Specifications for metallic blast-cleaning abrasives. High-carbon cast-steel shot and grit (05/05)         | 1903<br>5003            |
| 'BS EN ISO 11126-3,<br>BS 7079-F3'                        | Preparation of steel substrates before application of paints and related products. Specification for non-metallic blast cleaning abrasives. Part 3: Copper refinery slag. (05/05)             | 1903<br>5003            |
| BS EN ISO 11126-7   | Preparation of steel substrates before application of paints and related products. Specifications for non-metallic blast-cleaning abrasives. Specifications for fused aluminium oxide (05/03) | 1903<br>5003            |
| BS EN ISO 12236   | Geotextiles and geotextile-related products. Static puncture test (CBR-Test) (11/03)  | 514                     |
| BS EN ISO 12944   | Paints and varnishes. Corrosion protection of steel structures by protective paint systems. Parts 1 to 8 (05/04)  | 408                     |
| BS EN ISO 13000   | Plastics. Polytetrafluoroethylene (PTFE) semi-finished products (11/03)   |                         |
| BS EN ISO 13000-1   | Part 1: Requirements and designation (11/03)  | 2104                    |
| BS EN ISO 14713   | Protection against corrosion of iron and steel in structures. Zinc and aluminium coatings. Guidelines (05/04)   | 408                     |
| BS EN ISO 15607   | Specification and qualification of welding procedures for metallic materials. General Rules (11/04)   | 402<br>1310             |
| BS EN ISO/IEC<br>17025                                    | General requirements for the competence of testing and calibration laboratories (05/05)   | 105                     |
| BS ISO 1817   | Physical testing of rubber. Determination of the effects of liquids (11/03)   | 1017                    |
| BS ISO 11922-1  | Thermoplastics pipes for the conveyance of fluids. Dimensions and tolerances. Metric series (11/03)   | Table 5/9<br>Table 5/10 |

**2. (05/01) BRITISH STANDARD DRAFTS FOR DEVELOPMENT (DD) DOCUMENTS**  
(Published by The British Standards Institution)

|              |   | <b>Specification<br/>Clause/Table/<br/>Appendix</b> |
|--------------|---|---|
| DD 213: 1993 | Method for determination of the indirect tensile stiffness modulus of bituminous mixtures (11/04)                               | 929   |
|              |   | 937   |
|              |   | 948   |
|              |   | Table 9/15  |
| DD 226: 1996 | Method for determining resistance to permanent deformation of bituminous mixtures subject to unconfined dynamic loading (11/04) | 929   |
|              |   | 952   |
|              |   | Table 9/16  |
| DD 229       | Method for determination of the relative hydraulic conductivity of permeable surfacings   | Table 9/17  |
|              |   | 938   |
| DD 232       | Method for determination of the maximum binder content of bituminous mixtures without excessive binder drainage                 | 937   |
|              |   | 938   |
|              |   | 942   |

3. (05/01) EUROPEAN STANDARDS

|                                 |   | <b>Specification<br/>Clause/Table/<br/>Appendix</b> |
|---------------------------------|---|---|
| prEN 12 274-8                   | Slurry Surfacing -<br>Test Methods Part 8: Visual Assessment of Defects (11/03)   | 918   |
| prEN 12 666-1                   | Plastics piping systems for non-pressure underground drainage and sewerage - Polyethylene (PE) - Specification for pipes, fittings and the system (11/04)   | Table 5/1<br>Table 5/2<br>514                       |
| prEN 13 476                     | Plastics piping systems for non-pressure underground drainage and sewerage - Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) (11/03) | Table 5/9   |
| prEN 13 877-1<br>(October 2003) | Concrete pavements<br>Part 1: Materials for concrete pavements (05/04)  | 1001<br>1004<br>1012                                |
| prEN 13 877-2<br>(January 2002) | Concrete pavements<br>Part 2: Functional requirements for concrete pavements (05/05)  | 1001<br>Table 10/2<br>1003<br>1004<br>Table 8/17    |
| prEN 13 877-3<br>(October 2002) | Concrete pavements<br>Part 3: Specification for dowels to be used in concrete pavements (05/04)   | 1011  |
| DD ENV 1317-4:<br>2002          | Road restraint systems. Performance classes, impact test acceptance criteria and test methods for terminals and transitions of safety barriers (05/04)  | 401   |
| DD ENV ISO<br>8502-1:2001       | Preparation of steel substrates before application of paints and related products. Tests for the assessment of surface cleanliness. Field test for soluble iron corrosion products (05/05)                  | 1902  |

**4. (05/01) INTERNATIONAL STANDARDS**  
(Published by the International Organization for Standardization)

|              |   | <b>Specification<br/>Clause/Table/<br/>Appendix</b> |
|--------------|---|---|
| ISO 209      | Wrought aluminium and aluminium alloys<br>Chemical composition and forms of products<br>Part 1: Chemical composition (05/05)    | 1909<br>5005  |
| ISO 752      | Zinc ingots (05/03)   | 1909<br>5005  |
| ISO 898      | Mechanical properties of fasteners made of carbon steel (02/03)   | 305   |
| ISO 2859 - 1 | Specification for sampling plans indexed by acceptable<br>quality level (AQL) for lot - by - lot inspection. (BS 6001 : Part 1) | 311   |
| ISO 13967    | Thermoplastics fittings - Determination of ring stiffness (11/03)   | Table 5/10  |

SUPERSEDED

**5. (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 (formerly HMSO)) (02/03)

|      |  | <b>Specification<br/>Clause/Table/<br/>Appendix</b> |
|------|--|---|
| (i)  | Traffic Signs Manual   | 1216  |
|      | Chapter 1. Introduction 1977   | 1208  |
|      | Chapter 7. The Design of Traffic Signs 1997  | 1216  |
|      | Chapter 8. Traffic Safety Measures and Signs for Road Works and Temporary Situations. 1991 | #117  |
|      |  | 117NI   |
|      |  | 1216  |
| (ii) | Working Drawings for Traffic Sign Design and Manufacture (Volumes 1, 2 and 3)              | 1216  |

**6. (05/01) UK OVERSEEING ORGANISATIONS PUBLICATIONS INCLUDING THEIR PREDECESSOR'S PUBLICATIONS**

(Published by The Stationery Office or HMSO)

**Specification  
Clause/Table/  
Appendix**

**Bridges - Advice Notes**

|     |       |  |      |
|-----|-------|--|------|
| (i) | BA 35 | Inspection and Repair of Concrete Highway Structures. (DMRB 3.3.2).<br>(Not applicable for use in Scotland Northern Ireland addendum applicable for use in Northern Ireland) (05/05) | 1714 |
|-----|-------|--|------|

**Bridges - Standards**

|        |       |   |  |
|--------|-------|---|--|
| (ii)   | BD 2  | Technical Approval of Highway Structures. (DMRB 1.1.1) (05/05)  | 106<br>Appx A  |
| (iii)  | BD 12 | Design of Corrugated Steel Buried Structures with Spans not greater than 0.9 metres and up to 8.0 metres (DMRB 2.2.6) (05/05) | 2501<br>Table 25/1   |
| (iv)   | BD 13 | Design of Steel Bridges. Use of BS 5400: Part 3: 2000 (DMRB 1.3.14) (05/05)   | 408  |
| (v)    | BD 26 | Design of Lighting Columns. (DMRB 2.2.1) (05/05)  | 1207<br>#1301<br>1301NI<br>1302<br>1306<br>Appx A                |
| (vi)   | BD 35 | Quality Assurance Scheme for Paints and Similar Protective Coatings. (DMRB 2.4.1) (05/05)                                     | 1221<br>1901<br>1911<br>Table 19/1<br>5001<br>5007<br>Table 50/1 |
| (vii)  | BD 37 | Loads for Highway Bridges (DMRB 1.3.14) (05/05)   | 408  |
| (viii) | BD 68 | Crib Retaining Walls. (DMRB 2.1.3) (05/05)  | 625  |
| (ix)   | BD 70 | Strengthening/Reinforced Soils and Other Fills for Retaining Walls and Bridge Abutments. (DMRB 2.1.5) (05/05)                 | 2502   |
| (x)    | BD 83 | Design of CCTV Masts (DMRB 2.2.11) (05/05)  | 1302   |
| (xi)   | BD 87 | Maintenance of Painting of Steelwork (DMRB 3.2.2) (05/05)   | 5001   |
| (xii)  | BD 88 | Design of Cantilever Masts for Traffic Signals and/or Speed Cameras (DMRB 2.2.13) (05/05)                                     | #1301<br>1301NI<br>1302<br>1312                                  |
| (xiii) | BD 91 | Unreinforced Masonry Bridges (DMRB 2.2.14) (05/05)  | 2417<br>2503   |

**Highways - Standards (05/05)**

|       |       |  |     |
|-------|-------|--|-----|
| (xiv) | HD 29 | Structural Assessment Methods (DMRB 7.3.2) (05/05) | 824 |
|-------|-------|--|-----|

**Traffic Engineering - Advice Notes**

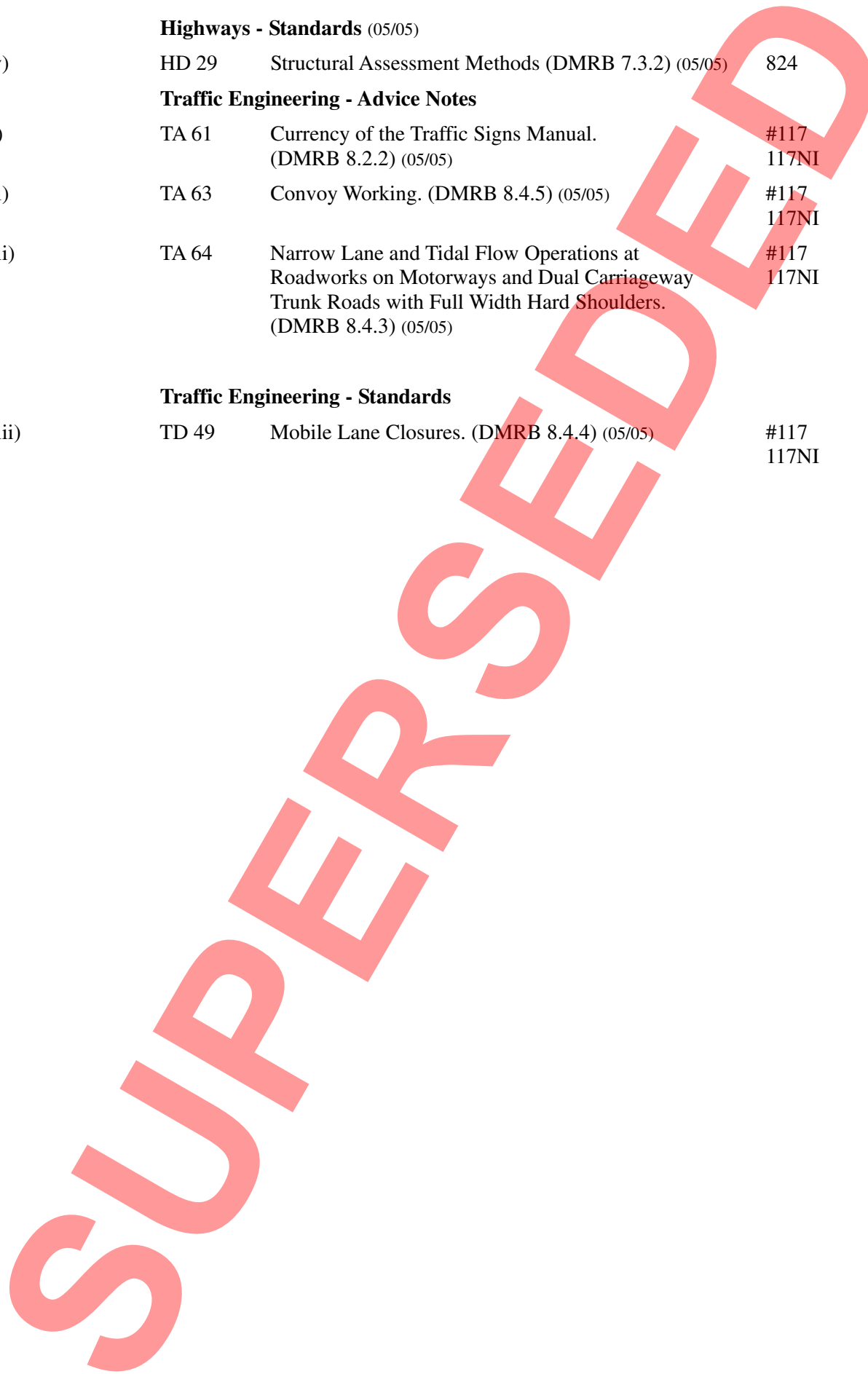
|      |       |   |               |
|------|-------|---|---------------|
| (xv) | TA 61 | Currency of the Traffic Signs Manual.<br>(DMRB 8.2.2) (05/05) | #117<br>117NI |
|------|-------|---|---------------|

|       |       |                                      |               |
|-------|-------|--------------------------------------|---------------|
| (xvi) | TA 63 | Convoy Working. (DMRB 8.4.5) (05/05) | #117<br>117NI |
|-------|-------|--------------------------------------|---------------|

|        |       |  |               |
|--------|-------|--|---------------|
| (xvii) | TA 64 | Narrow Lane and Tidal Flow Operations at<br>Roadworks on Motorways and Dual Carriageway<br>Trunk Roads with Full Width Hard Shoulders.<br>(DMRB 8.4.3) (05/05) | #117<br>117NI |
|--------|-------|--|---------------|

**Traffic Engineering - Standards**

|         |       |  |               |
|---------|-------|--|---------------|
| (xviii) | TD 49 | Mobile Lane Closures. (DMRB 8.4.4) (05/05) | #117<br>117NI |
|---------|-------|--|---------------|



7. (05/01) **HIGHWAYS AGENCY (TSS DIVISION) PUBLICATIONS**

(Published by the Highways Agency. E-mail: [tss\\_plans\\_registry@highways.gsi.gov.uk](mailto:tss_plans_registry@highways.gsi.gov.uk)) (02/03)

**Specification  
Clause/Table/  
Appendix**

**Traffic Control and Communications - Specifications**

|         |          |  |                      |
|---------|----------|--|----------------------|
| (i)     | TR 0102  | Traffic Signals and Traffic Signal Equipment (05/04)   | 1217                 |
| (ii)    | TR 2017  | Single Mode Fibre Optic and Copper Communications Cable (05/04)  | 1506                 |
| (iii)   | TR 2029  | Inductive Loop Cable (05/04)   | 1506                 |
| (iv)    | TR 2031  | Inductive Loop Feeder Cable (05/04)  | 1506                 |
| (v)     | TR 2150  | NMCS Non-Armoured Copper Communications Cable (05/04)  | 1506<br>1513<br>1518 |
| (vi)    | TR 2151  | NMCS Non-Armoured Optical Fibre Communications Cable (05/04)   | 1506<br>1518         |
| (vii)   | TR 2152  | NMCS Non-Armoured Coaxial Communications Cable (05/04)   | 1506<br>1518         |
| (viii)  | TR 2153  | NMCS Non-Armoured Energy Cable (05/04)   | 1506<br>1516<br>1518 |
| (ix)    | TR 2158  | NMCS Armoured Copper Communications Cable (05/04)  | 1506<br>1518         |
| (x)     | TR 2159  | NMCS Armoured Optical Fibre Communications Cable (05/04)   | 1506<br>1518         |
| (xi)    | TR 2160  | NMCS Armoured Coaxial Communications Cable (05/04)   | 1506<br>1518         |
| (xii)   | TR 2161  | NMCS Armoured Energy Cable (05/04)   | 1506<br>1516<br>1518 |
| (xiii)  | TRG 0500 | Type Approval of Equipment (05/04)   | 1217                 |
| (xiv)   | MCE 2183 | Ducted Cable Network Cable Joint Enclosure Specification (05/04)   | 1514                 |
| (xv)    | MCG 1022 | Testing for Newly Installed Motorway Communications and Power Cables (05/04)                                 | 1506<br>1518         |
| (xvi)   | MCG 1055 | Testing for Newly Installed Motorway Optical Fibre Communications Cable (Single Mode) (05/04)                | 1506<br>1518         |
| (xvii)  | MCG 1099 | NMCS Non-Armoured Cables: Installed Cable Testing Procedures (05/04)   | 1518                 |
| (xviii) | MCH 1540 | Specification for the Installation of Detector Loops on Motorways and All Purpose Trunk Roads (05/04)        | 1218                 |
| (xix)   | MCH 1260 | Requisition for Equipment - Central Stores - Supply (05/04)  | 1505                 |
| (xx)    | MCH 1286 | Request for Financial Approval (Standard and Non-Standard Schemes) and Bulk Purchase Equipment Order (05/04) | 1505                 |

**8. (05/01) TRANSPORT RESEARCH LABORATORY REPORTS**  
(Published by TRL (formerly TRRL) and by The \*Stationery Office (formerly HMSO))

|       |               |   | <b>Specification<br/>Clause/Table/<br/>Appendix</b>   |
|-------|---------------|---|---|
| (i)   | CR54          | Soil corrosivity assessment - D Eyre and D A Lewis  | Table 6/3   |
| (ii)  | TRL273        | Use and application of the MCA with particular reference to glacial tills - G D Matheson and M G Winter.1997  | 632SE   |
| (iii) | TRL447        | Sulfate specification for structural backfills - J M Reid, M A Czerewko and J C Cripps (05/05)  | 503<br>505<br>#601<br>601NI<br>614<br>615<br>643<br>644<br>Table 6/1<br>Table 6/3 footnote<br>801<br>2403<br>2406<br>2417<br>2503<br>2601<br>2602 |
| (iv)  | PA3287/97     | Repeated load test with vacuum confinement - M Nunn (11/03)   | 929<br>952  |
| (v)   | RR57          | Pervious macadam trials on trunk road A38 Burton Bypass, 1984 - M E Daines (11/03)  | 938   |
| (vi)  | RR323         | Trials of porous asphalt and rolled asphalt on the A38 at Burton - M E Daines (11/03)   | 938   |
| (vii) | *Road Note 36 | Specification for the manufacture and use of rubberised bituminous road materials and binders. (2nd Edition) 1968 (11/03)<br>Road Research Laboratory | 938   |

9. (05/01) ACTS AND STATUTORY INSTRUMENTS

|        |  | Specification<br>Clause/Table/<br>Appendix                              |
|--------|--|---|
| (i)    | The Construction (General Provisions) Regulations. 1961  | 607   |
| (ii)   | The 'Zebra, Pelican and Puffin' Pedestrian Crossings Regulations and General Directions. 1997 (11/04)          | #104<br>#1201<br>1201NAW  |
| (iii)  | The Traffic Signs Regulations and General Directions. 2002 (11/04)   | #104<br>#117<br>1201<br>1212<br>1213<br>1214<br>1215<br>1216<br>1201NAW |
| (iv)   | The Traffic Signs (Welsh and English Language Provisions) Regulations and General Directions. 1985             | 1201NAW   |
| (v)    | The Electricity at Work Regulations. 1989  | 1401  |
| (vi)   | Construction Products Directive (89/106/EEC) (11/04)   | #104<br>104NI   |
|        | Note: The 'Essential Requirements' are reproduced in Schedule 2 of The Construction Products Regulations. 1991 |   |
| (vii)  | Personal Protective Equipment Directive (89/686/EEC) (11/04)   | #117<br>117NI   |
| (viii) | Traffic Signs (Welsh and English Language Provisions) Regulations 1985   | 1201NAW   |
| (ix)   | The Construction (General Provisions) Regulations (Northern Ireland) 1963                                      | 607NI   |
| (x)    | The 'Zebra' Pedestrian Crossings Regulations (Northern Ireland) 1974   | 104NI<br>1201NI   |
| (xi)   | The Traffic Signs Regulations (Northern Ireland) 1997  | 104NI<br>117NI<br>1201NI<br>1212NI<br>1213NI<br>1214<br>1215<br>1216    |
| (xii)  | The 'Pelican' Pedestrian Crossings Regulations (Northern Ireland) 1989   | 104NI<br>1201NI   |
| (xiii) | The Electricity at Work Regulations (Northern Ireland) 1991  | 1401NI  |
| (xiv)  | Road Vehicles Lighting Regulations (Northern Ireland) 2000   | 117NI   |
| (xv)   | Wildlife and Countryside Act 1981  | 3002  |
| (xvi)  | Weeds Act 1959   | 3002  |
| (xvii) | Protection of Badgers Act 1992   | 3003  |

|         |  |               |
|---------|--|---------------|
| (xviii) | Environmental Protection Act 1990 Part IIA (11/04)   | #601          |
| (xiv)   | Special Waste Regulations 1996 (11/04)   | #601          |
| (xx)    | Radioactive Substances Act 1993 (11/04)  | #601<br>601NI |
| (xxi)   | Waste and Contaminated Land (Northern Ireland)<br>Order 1997 - Statutory Instrument 1997 No. 2778 (N.I.19) (11/04) | 601NI         |
| (xxii)  | Special Waste Regulations (Northern Ireland) 1998 (11/04)  | 601NI         |

SUPERSEDED

**10. (05/01) QUALITY MANAGEMENT SCHEMES PUBLICATIONS**

|   |   | <b>Specification<br/>Clause/Table/<br/>Appendix</b> |
|---|---|---|
| <b>(i) (05/04) UNITED KINGDOM ACCREDITATION SERVICE (UKAS) SECTOR SCHEMES DOCUMENTS PUBLICATIONS</b> They can also be accessed from UKAS web site ( <a href="http://www.ukas.com/information_centre/publications.asp">http://www.ukas.com/information_centre/publications.asp</a> ) |   |   |
| Scheme 2  | Supply and Installation of Fences (05/04)   | Appx A  |
| Scheme 2A   | Sector Scheme Document for The Design and/or Supply, Installation and Repair of Fences  | Appx A  |
| Scheme 2B   | Sector Scheme Document for Vehicle Restraint Systems  | Appx A  |
| Scheme 2C   | Sector Scheme Document for The Design Supply, Installation and Repair of Environmental Barriers (Structural) (11/04)  | Appx A  |
| Scheme 4  | Sector Scheme Document for Preservative Treatment of Timber (BWPDA Guidance Note QGN -2)  | Appx A  |
| Scheme 5  | Bridge Parapets (05/04)   | Appx A  |
| Scheme 5A   | The Manufacture of Parapets for Road Restraint Systems (05/04)  | Appx A  |
| Scheme 5B   | The Installation of Parapets for Road Restraint Systems (05/04)   | Appx A  |
| Scheme 6  | Sector Scheme Document for The Manufacture, Supply and Verification of Lighting Columns and Bracket Arms  | Appx A  |
| Scheme 7  | Sector Scheme Document for The Application of Road Marking Materials and Road Studs to Road Surfaces  | Appx A  |
| Schemes 8 and 10  | Sector Scheme Document for The Installation and Maintenance of Highway Electrical Equipment (11/04)   | Appx A  |
| Scheme 12   | Temporary Traffic Management  |   |
| Scheme 12A  | Sector Scheme Document for The Static Temporary Traffic Management on Motorways and High Speed Dual Carriageways for Schemes Incorporating Contraflow Operations and/or temporary road markings (11/04) | #117<br>117NI<br>Appx A                             |
| 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         | Appx A  |
| Scheme 12C  | Sector Scheme Document for Mobile Lane Closures Temporary Traffic Management on Motorways and Dual Carriageways   | Appx A  |
| Scheme 13A  | Sector Scheme Document for The Supply and Application of Surface Dressings to Road Surfaces (11/04)   | Appx A  |
| Scheme 13B  | Sector Scheme Document for the Supply and Application of Microsurfacing (05/04)   | Appx A  |
| Scheme 14   | Sector Scheme Document for The Quality Assurance of the Production of Asphalt Mixes   | Appx A  |
| Scheme 15   | Sector Scheme Document for The Supply of Paring Grade Bitumen (11/02)   | Appx A  |
| Scheme 16   | Sector Scheme Document for The Laying of Asphalt Mixes (11/04)  | Appx A  |
| Scheme 17   | Vehicle Recovery at Highway Construction Sites (05/05)  | Appx A  |

**(ii) THE BRITISH STANDARDS INSTITUTION (BSI) PUBLICATIONS**

|           |  |        |
|-----------|--|--------|
| Scheme 5  | Fabrication and Installation of Bridge Parapets and Cradle Anchorages (QGN 3204.2/194)                                 | Appx A |
| Scheme 6  | Sector Scheme Document for The Manufacture, Supply and Verification of Lighting Columns and Bracket Arms (11/03)       | Appx A |
| Scheme 8  | Installation and Maintenance of Traffic Signals (QAS 3433/287)   | Appx A |
| Scheme 10 | Installation and Maintenance of Electrical Apparatus and Cabling for Highway Lighting and Traffic Signs (QAS 3480/376) | Appx A |

**(iii) LLOYD'S REGISTER QUALITY ASSURANCE LIMITED (LRQA) PUBLICATIONS**

|           |   |        |
|-----------|---|--------|
| Scheme 1  | Manufacture of Fencing Components (QSS 32042)   | Appx A |
| Scheme 5  | Fabrication and Installation of Bridge Parapets and Cradle Anchorages (QSS 32043)                                   | Appx A |
| Scheme 6  | Sector Scheme Document for The Manufacture, Supply and Verification of Lighting Columns and Bracket Arms (11/03)    | Appx A |
| Scheme 10 | Installation and Maintenance of Electrical Apparatus and Cabling for Highway Lighting and Traffic Signs (QSS 620/2) | Appx A |

**(iv) NATIONAL QUALITY ASSURANCE (NQA) LIMITED PUBLICATIONS:**

|           |   |        |
|-----------|---|--------|
| Scheme 8  | Installation and Maintenance of Traffic Signals (QSS 015)   | Appx A |
| Scheme 10 | Installation and Maintenance of Electrical Apparatus and Cabling for Highway Lighting and Traffic Signs (QSS 014) | Appx A |

**(v) (11/03) SGS UNITED KINGDOM LIMITED:**

|           |   |        |
|-----------|---|--------|
| Scheme 8  | Installation and Maintenance of Traffic Signals (BN 164/D)  | Appx A |
| Scheme 10 | Installation and Maintenance of Electrical Apparatus and Cabling for Highway Lighting and Traffic Signs (BN 183D) | Appx A |

**(vi) ISOQAR LTD PUBLICATION:**

|           |   |        |
|-----------|---|--------|
| Scheme 10 | Installation and Maintenance of Electrical Apparatus and Cabling for Highway Lighting and Traffic Signs (QAR 154) | Appx A |
|-----------|---|--------|

**(vii) BM TRADA PUBLICATIONS: (11/03)**

|           |   |        |
|-----------|---|--------|
| Scheme 5  | Fabrication and Installation of Bridge Parapets and Cradle Anchorages (SFSS 5)                                      | Appx A |
| Scheme 10 | Installation and Maintenance of Electrical Apparatus and Cabling for Highway Lighting and Traffic Signs (28.HW.001) | Appx A |

**(viii) UK CERTIFICATION AUTHORITY FOR REINFORCING STEELS (CARES) PUBLICATION**

|           |   |        |
|-----------|---|--------|
| Scheme 11 | Supply and Installation of Post-Tensioning Systems in Concrete Structures | Appx A |
|-----------|---|--------|

**11. (05/01) BRITISH BOARD OF AGRÉMENT CERTIFICATES:**

**Specification  
Clause/Table/  
Appendix**

Available from the British Board of Agrément,  
PO Box No. 195, Bucknalls Lane, Garston,  
195 Bucknalls Lane, Garston, Watford, Herts, WD25 9BA

Telephone: + 44 (0) 1923 665300

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E Mail: mail@bba.star.co.uk

|  |           |
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| (a) Agrément Certificates                  | 1001      |
|  | 1017      |
| (b) Roads and Bridges Certificates (11/04) | #104      |
|  | 104NI     |
|  | 501       |
|  | #508      |
|  | 508NI     |
|  | 514       |
|  | 515       |
|  | 518       |
|  | 1001      |
|  | 1017      |
|  | 1530      |
|  | 1716      |
|  | 2003      |
|  | 2005      |
|  | 2501      |
|  | 2502      |
|  | Appx C    |
| (c) HAPAS-Roads and Bridges Certificates   | 000       |
|  | 711       |
|  | 918       |
|  | 919       |
|  | 920       |
|  | 922       |
|  | 924       |
|  | 928       |
|  | 937       |
|  | 938       |
|  | Table 9/8 |
|  | Table 9/9 |
|  | 942       |
|  | 943       |
|  | 950       |
|  | 952       |
|  | 2203      |

12. (05/01) MISCELLANEOUS

|        |  | <b>Specification<br/>Clause/Table/<br/>Appendix</b> |
|--------|--|---|
| (i)    | The American Association of State Highway and Transportation Officials Standard ASHTO M36M-01: Specification for Metallic (Zinc or Aluminium) Coated Corrugated Steel Culverts and Underdrains. 1989 (11/03)   | Table 5/1   |
| (ii)   | The American Association of State Highway and Transportation Officials Standard M190-95 (2000): Specification for Bituminous Coated Corrugated Metal Culvert Pipe and Pipe Arches. 1980 (11/03)  | 501   |
| (iii)  | The American Association of State Highway and Transportation Officials Standard M274-87 (2000): Interim Specification for Steel Sheet Aluminous Coatings for Corrugated Steel Pipes. 1987 (11/03)  | 501   |
| (iv)   | The American Society for Testing and Materials ASTM Standard A325 - 02: Specification for High-Strength Bolts for Structural Steel Joints. 2002 (02/03)  | 1803<br>Appx A                                      |
| (v)    | The American Society for Testing and Materials ASTM Standard C413-01: Test Method for Absorption of Chemical Resistant Mortars Grouts and Monolithic Surfacing. 2001 (11/03)   | 2601  |
| (vi)   | The American Society for Testing and Materials ASTM Standard C-827-01a: Test Methods for Early Volume Changes of Cementitious Mixtures. 2001 (11/03)   | 2601  |
| (vii)  | The American Society for Testing and Materials ASTM Standard C939-02: Test Method for Flow of Grout for Preplaced Aggregate Concrete. 2002 (11/03)   | 2601  |
| (viii) | The American Society for Testing and Materials ASTM Standard D2628-91 (1998): Specification for Preformed Polychloroprene Elastomeric Joint Seals for Concrete Pavements. 1998 (11/03)   | 1017  |
| (ix)   | The American Society for Testing and Materials ASTM Standard D4533 - 91 (1996) (11/03)   | 514   |
| (x)    | The American Petroleum Institute Specification for Line Pipe (API Specification 5L).   | 1606  |
| (xi)   | The American Iron and Steel Institute (AISI)<br>Specification: Standard Steels   | 1207<br>1312  |
| (xii)  | Engineering Recommendation G.39/1, 1992 Model Code of Practice. Covering Electrical Safety in the Planning, Installation, Commissioning and Maintenance of Public Lighting and Other Street Furniture<br>Published by The Electricity Association Services Ltd,<br>30 Millbank<br>London SW1P 4RD.<br>Tel. 020-7963-5801 | #1401<br>1401NI                                     |

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|---------|---|----------------------|
| (xiii)  | Guidance for Safer Temporary Traffic Management issued jointly by the Highways Agency, CSS (formerly County Surveyors Society), and the Health and Safety Executive. Hard copies available from TRL Ltd.<br>Digital copy is available on the Highways Agency website<br>Guidance for Safer Temporary Traffic Management - Issued 2002 ( <a href="http://www.highways.gov.uk/aboutus/corpdocs/gstt_may_02/index.htm">http://www.highways.gov.uk/aboutus/corpdocs/gstt_may_02/index.htm</a> ) (11/04)   | #117<br>117NI        |
| (xiv)   | Temporary Traffic Management on High Speed Roads Good Working Practice issued jointly by the Highways Agency, the Roads Service, the National Assembly for Wales, the Scottish Executive, CSS (formerly County Surveyors Society), the Health and Safety Executive, the Association of Chief Police Officers and Industry representatives. Hard copies available from TRL Ltd.<br>Digital copy is available on the Highways Agency website:<br>Temporary Traffic Management on High Speed Roads - Good Working Practice ( <a href="http://www.highways.gov.uk/aboutus/corpdocs/ttm_sept_02/index.htm">http://www.highways.gov.uk/aboutus/corpdocs/ttm_sept_02/index.htm</a> ) (11/04) | #117<br>117NI        |
| (xv)    | Engineering Equipment and Material Users Association, Drilling Fluid Materials, Publication No. 163, Bentonite  | 1618                 |
| (xvi)   | Department of Housing and Construction, Commonwealth of Australia, Standard Specifications RA SS 106 and MT RA 100  | 1017                 |
| (xvii)  | Maps of the British Geological Survey   | 601                  |
| (xviii) | Publication CIE No 54. Retro-reflection, definition and measurement   | 1214                 |
| (xix)   | Specification for the Reinstatement of Openings in Highways. Issued by the Highway Authorities and Utilities Committee  | 706<br>1043          |
| (xx)    | Maps of the Geological Survey of Northern Ireland   | 601NI                |
| (xxi)   | SSD Application Guide No. 1 (revised 1989).<br>Printed and Published by the Scottish Development Department   | 632SE                |
| (xxii)  | Code of Practice on Health and Safety for Vehicle Recovery Operations<br>Published by the Association of Vehicle Recovery Operators (11/04)   | #117<br>117NI<br>120 |
| (xxiii) | National Joint Utilities Group<br>Publication No. 4 (11/04)   | 1421<br>1530         |
| (xxiv)  | Concrete Society Technical Report<br>No. 47: Durable Bonded Post-Tensioned Concrete Bridges.<br>2nd Edition (11/04)   | 1711<br>Appx A       |
| (xxv)   | 'Quality Control - Production of Recycled Aggregates'<br>Published by Waste and Resources Action Programme (WRAP),<br>The Old Academy, 21 Horse Fair, Banbury, OX16 0AH.<br>The document is also available on the WRAP website:<br><a href="http://www.wrap.org.uk">http://www.wrap.org.uk</a> (11/04)  | 710                  |
| (xxvi)  | Joint Liaison Committee on Plant Suppliers<br>Code of Practice for Plant Handling 1985 (11/04)  | 3010                 |
| (xxvii) | Safety Guides published by the Forestry & Arboriculture Safety & Training Council (FASTCo) at 231 Corstorphine Road,<br>Edinburgh, EH12 7AT (11/04)   | 3010                 |

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| (xxviii)  | Arboriculture Research Note 48/83<br>'A definition of the best pruning positions' by D Lonsdale from<br>Arboricultural Advisory and Information Service at Alice Holt<br>Lodge, Wrecclesham, Farnham, Surrey, GU10 4LH (11/04)                                      | 3010                |
| (xxix)    | Arboriculture Research Notes on specific tree diseases:   | 3010                |
|           | Note 46/91 'Anthracnose of London Plane' by R G Strouts   | 3010                |
|           | Note 58/95 'Phytophthora root disease' by R G Strouts   | 3010                |
|           | Note 79/89 'Scab and Black Canker of Willow' by D R Rose  | 3010                |
|           | Note 111/92 'Bleeding canker of Caucasian Lime<br>(Tilia x euchlora)' by J N Gibbs  | 3010                |
|           | Note 118/94 'Fireblight of ornamental trees and shrubs'<br>by R G Strouts (11/04)   | 3010                |
| (xxx)     | Arboriculture Research and Information Notes on specific tree<br>diseases:  | 3010                |
|           | Note 122/94 'The horse chestnut scale: a pest of town trees'<br>by D Wainhouse  | 3010                |
|           | Note 124/94 'The Asian strain of Gypsy Moth, <i>Lymantria dispar</i> :<br>a significant threat to trees' by T G Winter and H F Evans from<br>Arboricultural Advisory and Information Service at Alice Holt<br>Lodge, Wrecclesham, Farnham, Surrey, GU10 4LH (11/04) | 3010                |
| (xxxi)    | Society of Steel Construction of Japan<br>Document JSS II - 09 - 1996 (11/04)   | 1803                |
| (xxxii)   | Concrete Society Report CS/101 (11/04)  | 1714                |
| (xxxiii)  | Interim Advice Note 44<br>Interim Requirements for Road Restraint Systems (11/04)   | 400                 |
| (xxxiv)   | BRE Digest 330. Alkali - silica reaction in concrete,<br>Parts 1-4 (1997) (11/04)   | Appx G              |
| (xxxv)    | PAS 43:2002: Safe working of vehicle breakdown and recovery<br>operators. Management system specification<br>Published by the British Standards Institution (11/04)   | Appx A              |
| (xxxvi)   | Guideline Document for the Assessment and Certification of<br>High Friction Surface for Highways - British Board of<br>Agrément (11/04)   | 924                 |
| (xxxvii)  | Baumgaertel, M and Winter, H.H., 'Determination of discrete<br>relaxation and retardation time spectra from dynamic mechanical<br>data', Rheol Acta 28:511-519 (1989) (11/04)   | 928                 |
| (xxxviii) | Current Practice Sheet 3PC/06/01 "Thermal Movement of<br>Concrete" by R D Brown, Concrete Journal; November 1972 (11/04)  | 819                 |
| (xxxix)   | 'Hydraulic Lime Mortar for Stone, Brick and Block Masonry:<br>A Best Practice Guide' by Mike Farey, Stafford Holmes,<br>Paul Livesey. Publisher: Donhead. ISBN: 1873394640 (05/05)  | 2417                |
| (xxxx)    | The American Society for Testing and Materials ASTM Standard<br>G 62-87: Standard Test Methods for Holiday Detection in Pipeline<br>Coatings (05/05)  | Table 19/2B (Notes) |