



## References

Roads in Hertfordshire is not intended to be overly prescriptive or absolutely comprehensive. To this end reproduction of large amounts of text or diagrams from source documents has been avoided.

References are made throughout the guide to other documents that will provide the necessary further information to enable designers to produce innovative and creative designs which satisfy the Highway Authority's policy aims.

References within the text are delineated with bold type. Documents such as Manual for Streets (MfS) and the Design Manual for Roads and Bridges (DMRB) are referred to throughout the document and as such are not delineated on every occasion.

Guidance and legislation are continually being produced. The designer is responsible for making sure that they are using the most up to date standards and guidance. Any reference to a document should be taken to include any subsequent amendments or resultant additional standards/guidance/legislation.

For ease of use the references listed below are divided into two categories; General References and British Standards.

Many of the documents referred to are available online or to download via the internet. Some may require membership of a technical index such as Barbour, BRE, HIS or Standards Global. Other sources of technical guidance are technical websites such as [www.ukroads.org](http://www.ukroads.org) and those of the relevant professional institutions.

### General References

It is the designer's responsibility to check the current status, details and source of the publications listed below.

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| TAL 07/00  | SCOOT Gating, 2000  |
| TAL 07/02  | New technology for transport, 2002  |
| TAL 7/93   | Traffic Calming Regulations 1993  |
| TAL 07/95  | Traffic Islands for speed control, 1995   |
| TAL 07/96  | Highways (Road Humps) Regulations 1996  |
| TAL 07/99  | The SCOOT Urban Traffic Control System, 1999  |
| TAL 08/00  | Bus Priority in SCOOT, 2000   |
| TAL 08/09  | Innovatory cycle scheme Manchester, 2009  |
| TAL 08/93  | Advanced stop lines for cyclists, 1993  |
| TAL 08/95  | Traffic models for cycling, 1995  |
| TAL 9/99   | 20mph Speed Limits and Zones, 1999  |
| TAL 9/97   | Traffic Advisory Leaflet 9/97 Cyclists at roundabouts: continental design geometry                    |
| TAL 09/00  | SCOOT Estimates of Emissions from Vehicles, 2000  |
| TAL 10/93  | TOUCAN an Unsegregated Crossing for Pedestrians and Cyclists, 1993                                    |
| TAL 13/93  | Gateways, 1993  |
| TAL 16/99  | The use of Above Ground Vehicle Detectors, 1999   |
| TAL 17/99  | Code of Practise for Traffic Control and Information Systems, 1999                                    |
| TD07/07  | Statutory Approval of Traffic Control Equipment, 2007   |
| TD16/07  | Geometric Design of Roundabouts<br>DFT, 1993, published in Volume 6 of DMRB                           |
| TD24/97  | All-purpose Trunk Roads: Inspection and Maintenance of Traffic Signals and Associated Equipment, 1997 |
| TD27/05  | Cross-sections and Headrooms<br>DFT, 1996, published in Volume 6 of DMRB                              |
| TD35/06  | All-purpose Trunk Roads: MOVA System of Traffic Control at Signals, 2006                              |
| TD42/95  | Geometric Design of Major/Minor Priority Junctions<br>DFT, 1995, published in Volume 6 of DMRB        |
| TD50/04  | The Geometric Layout of Signal-controlled Junctions and Signalised Roundabouts DFT, 2004              |
| TD 54 / 07   | Design of Mini Roundabout<br>DFT, 1997  |
| TD89/08  | Use of passively safe sign posts, lighting columns and traffic signal posts to BS EN 12767:2007       |
| TD9/93   | Highway Link Design<br>DFT, 1993, published in Volume 6 of DMRB                                       |
| The National Cycle Network Guidelines and Practical Details                  | Sustrans, 1997, ISBN 0-9527106-9-2  |
| The Positioning Of Underground Utilities Apparatus For New Development Sites | The Positioning Of Underground Utilities Apparatus For New Development Sites, 2007<br>NJUG            |
| The Road Traffic (Temporary Restrictions) Procedure Regulations              | The Road Traffic (Temporary Restrictions) Procedure Regulations, 1992.<br>Legislation.gov.uk          |



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| The Local Authorities' Traffic Orders (England and Wales) Regulations                    | The Local Authorities' Traffic Orders (England and Wales) Regulations 1996<br>Legislation.gov.uk  |
| Town and County Planning Environmental Impact Assessment (England and Wales) Regulations | Town and County Planning Environmental Impact Assessment (England and Wales) Regulations 1999<br>TSO  |
| Town and Country Planning Act  | Town and Country Planning Act 1990<br>TSO   |
| Town and Country Planning Act (General Development Procedure) Order 1995                 | 1995 Statutory Instrument SI No. 419 The Town and Country Planning Act (General Development Procedure) Order 1995<br>TSO  |
| Town Police Clauses Act  | Town Police Clauses Act 1847<br>TSO   |
| Transport Asset Management Plan (TAMP)   | Transport Asset Management Plan (TAMP)<br>HCC   |
| Transport in the Urban Environment   | IHT, 1997, ISBN 0-902933-21-3   |
| Traffic Management Act   | Traffic Management Act 2004<br>TSO  |
| TR 0102A   | Dtp Standard traffic signals, 1991  |
| TR2029D  | NMCS Inductive loop detector cable, 2008  |
| TR2031E<br>TR2130C   | NMCS Feeder cable for inductive loop detectors, 2008<br>Environmental Tests for Motorway Communication Equipment and Portable and Permanent Traffic Control Equipment, 2002 |
| TR2147B  | Superseded standard - Microwave Vehicle Detection Equipment for Portable Vehicle Actuated Traffic Signals, 1996   |
| TR2179B  | Superseded standard - Specification for Above Ground On-crossing Pedestrian Detection Systems, 2002   |
| TR2181C  | Superseded standard - Specification for Near-side Signal and Demand Unit, 2001  |
| TR2182B  | Superseded standard - Specification for Kerbside Pedestrian Detection Systems, 2002   |
| TR2206A  | Specification for Road Traffic Signals, 2001  |
| TR2206A Appendix B   | Additional associated drawings from TR2206A Appendix B, 2001  |
| TR2207A  | Superseded standard - Specification for Rising Bollards Control System, 2002  |
| TR2210A  | Superseded by TR2500A - Specification for Traffic Signal Controller, 2001   |
| TR2500A  | Specification for Traffic Signal Controller, 2005<br>(Supersedes TR2210A)   |
| TR2502A  | Specification for Portable Traffic Signal Control Equipment for use at Roadworks, 2005  |
| TR2503B  | Performance Specification for Pedestrian Facilities at Temporary Stand-alone Traffic Signals, 2005  |
| TR2504A  | Performance Specification for Vehicle Detection Equipment for Vehicle Actuated Portable Traffic Signals, 2005   |



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|-----------------------------|--|
| TR2505A                     | Performance Specification for Above Ground Vehicle Detector Systems for use at Permanent Traffic Signal Installations, 2005                          |
| TR2506A                     | Performance Specification for Above Ground On-Crossing Pedestrian Detection Systems, 2005  |
| TR2507A                     | Performance Specification for Kerbside Detection Systems for use with Nearside Signals and Demand Units, 2005  |
| TR2508A                     | Performance Specification for Tactile Equipment for use at Pedestrian Crossings, 2005  |
| TR2509A                     | Performance Specification for Audible Equipment for use at Pedestrian Crossings, 2005  |
| TR2510A                     | Performance Specification for Rising Bollards Control Systems, 2005  |
| TR2511A                     | Performance Specification for Nearside Signal and Demand Unit, 2005  |
| TR2512A                     | Performance Specification for Below Ground Vehicle Detection Equipment, 2005   |
| TR2513A                     | Performance Specification for Wig Wag Signal Control Systems, 2005   |
| TR2514A                     | Performance Specification for Light Signal for the Control of Tram Cars, 2005  |
| TR2515A                     | Performance Specification for Equipment to Detect High and Overheight Vehicles at Low Bridges, 2005  |
| TR2516B                     | Performance Specification for Discontinuous Variable Message Signs, 2006   |
| TR2517A                     | Performance Specification for Electromechanical Variable Message Signs, 2005   |
| TR2518A                     | Specification for Portable VMS, 2008   |
| TR2520A                     | Uni-directional Logic Equipment, 2005  |
| TR2522A                     | Monitoring and Control of Traffic Control Equipment via the Public Telephone Network, 2005   |
| TR2523A                     | Traffic Control Equipment Interfacing Specification, 2005  |
| Tram Legislation            | Office of Rail Regulation, Tramway Technical Guidance Note 4. Of interest regarding signalisation of highway junctions which incorporate trams, 2008 |
| TRG0600A                    | Self-Certification Procedures for Statutory Approval of Traffic Control Equipment, 2005  |
| TRL Application Guide 44/45 | MOVA Traffic Control Manual, 2009<br>TRL   |
| TRL661                      | TRL Report 661: The Manual for Streets: Evidence and Research 2007<br>ISBN: 1846086604   |



| Title   | Description  |
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| TSM   | Traffic Signs Manual<br>Chapter 1 : 1982 (2003) : Introduction<br>Chapter 3 : 2008 : Regulatory Signs<br>Chapter 4 : 2004 : Warning Signs<br>Chapter 5 : 2003 : Road Markings<br>Chapter 7 : 2003 : The Design of Traffic Signs<br>Chapter 8 : 2009 : Traffic Safety Measures and Signs for Road Works and Temporary Situations<br>Chapter 14 : 1977 : Miscellaneous Matters Including Administration and Procedure<br>DfT, published by TSO |
| TSRGD   | The Traffic Signs Regulations and General Directions 2010  |
| Working Drawings For Traffic Sign Design And Manufacture        | <a href="http://www.dft.gov.uk/pgr/roads/tss/workingdrawings">http://www.dft.gov.uk/pgr/roads/tss/workingdrawings</a><br>Supersedes - Working Drawings For Traffic Sign Design And Manufacture 1994 Volumes 1, 2 and 3 (TSO)   |
| UKAS  | United Kingdom Accreditation Service   |
| Waste Strategy 2000   | Waste Strategy 2000 for England and Wales: Part 1 (Cm4693-1) - ISBN 0 10 146932 2, £10.00, and<br>Waste Strategy 2000 for England and Wales: Part 2 (Cm4693-2 - ISBN 0 10 146933 0<br>Published by TSO   |
| Water Industry Act  | Water Industry Act 1991 (c. 56), TSO<br>ISBN 0105456918  |
| Zebra, Pelican and Puffin Pedestrian Crossings Regulations 1997 | 1997 Statutory Instruments SI No. 2400 The Zebra, Pelican and Puffin Pedestrian Crossings Regulations and General Directions 1997<br>TSO   |





## British Standards

All of the following standards are produced by the British Standards Institution.

| Text Reference   | Full Document Title (if not text reference)<br>& Publication Details (Author, Date, Publisher, ISBN)  |
|------------------|---|
| BS EN 40         | BS EN 40-2:2004 Lighting columns. General requirements and dimensions   |
| BS EN 197-1:2000 | Specification for Portland Cement   |
| BS88             | Cartridge fuses for voltages up to and including 1000 V ac and 1500 V dc.<br>Part 1: General requirements<br>Part 2: Specification for fuses for use by authorised persons (mainly for industrial application)<br>Part 2:Section 2.1 – Supplementary requirements for fuses for use by authorised persons (fuses mainly for industrial application)<br>Part 2:Section2.2 – Additional requirements for fuses with fuse-links for bolted connections<br>Part 3:Section3.1 – Supplementary requirements for fuses for use by unskilled persons (fuses for household and similar applications)<br>Part 4: Specification for supplementary requirements for fuse-links for the protection of semiconductor devices<br>Part 5: Specification of supplementary requirements for fuse-links for use in ac. electricity supply networks<br>Part 6: Specification of supplementary requirements for fuses of compact dimensions for use in 2400/415 V ac. industrial and commercial electrical installations |
| BSEN124          | Gully tops and manhole tops for vehicular and pedestrian areas. Design requirements, type testing, marking, quality control, 1994   |
| BS EN 197-1:2000 | Specification for Portland Blast Furnace Cements, 1996  |
| BS EN 771-1:2003 | Specification for calcium silicate (sandlime and flintlime) bricks, 1978  |
| BS381C           | Specification for colours for identification, coding and special purposes, 1996   |
| BS434            | Bitumen road emulsions (anionic and cationic)<br>Part 1:1984 - Specification for bitumen road emulsions<br>Part 2:1984 - Code of practice for use of bitumen road emulsions   |



| Text Reference      | Full Document Title (if not text reference)<br>& Publication Details (Author, Date, Publisher, ISBN)   |
|---------------------|--|
| BS EN 1343:2000     | Specification for dressed natural stone kerbs, channels, quadrants and setts.  |
| BS EN 594987:2007   | Specification for the transport, laying and compaction of rolled asphalt   |
| BS EN 13108 - 20    | Sampling and examination of bituminous mixtures for roads and other paved areas<br><br>Type testing of bituminous materials  |
| BS EN 13036-1: 2002 | Methods of test for the determination of texture depth   |
| BS873               | Road traffic signs and internally illuminated bollards<br><br>Part 1:1983(1996) - Methods of test<br>Part 2:1984(1996) - Specification for miscellaneous signs<br>Part 3:1980(1996) - Specification for internally illuminated bollards (Obsolescent)<br>Part 4:1987(1996) - Specification for road studs<br>Part 5:1983(1996) - Specification for internally illuminated signs and external lighting luminaires<br>Part 6:1983(1996) - Specification for retroreflective and non-retroreflective signs<br>Part 7:1984(1996) - Specification for posts and fittings<br>Part 8:1985(1996) - Specification for traffic cones and cylinders |
| BS EN 459-1:2001    | Specification for building limes   |
| BS EN 13139         | Specifications for Building Sands from Natural Sources   |
| BS EN 13139         | Specifications for Building Sands from Natural Sources   |
| BS EN 12899:2007    | Part 1:2007 - Fixed, vertical road traffic signs. Fixed signs (incorporating corrigenda May 2008 and June 2009)<br>Part 2:2007 - Fixed, vertical road traffic signs. Transilluminated traffic bollards (TTB)<br>Part 3:2007 - Fixed, vertical road traffic signs. Delineator posts and retroreflectors<br>Part 4:2007 - Fixed, vertical road traffic signs. Factory production control<br>Part 5:2007 - Fixed, vertical road traffic signs. Initial type testing   |



| Text Reference | Full Document Title (if not text reference)<br>& Publication Details (Author, Date, Publisher, ISBN)   |
|----------------|--|
| BS 1376        | Specification for colours of light signals, 1974   |
| BS1377         | <p>Methods of test for soils for civil engineering purposes</p> <p>Part1:1990 - General requirements and sample</p> <p>Part2:1990 - Classification tests</p> <p>Part3:1990 - Chemical and electro-chemical tests</p> <p>Part4:1990 - Compaction related tests</p> <p>Part5:1990 - Compressibility, permeability and durability tests</p> <p>Part6:1990 - Consolidation and permeability tests in hydraulic cells and pore pressure measurement</p> <p>Part7:1990 - Shear strength tests (total stress)</p> <p>Part8:1990 - Shear strength tests (effective stress)</p> <p>Part9:1990 - In-situ tests</p>   |
| BSEN1423       | Road marking materials. Drop on materials. Glass beads, antiskid aggregates and mixtures of the two, 1998  |
| BSEN1436       | Road marking materials. Road marking performance for road users, 1998  |
| BS1722         | <p>Fences</p> <p>Part 1:1986 – Specification for chain link fences</p> <p>Part 2:1989 – Specification for rectangular wire mesh and hexagonal wire netting fences</p> <p>Part 3:1986 – Specification for strained wire fences</p> <p>Part 4:1986(1998) – Specification for cleft chestnut pale fences</p> <p>Part 5:1986 – Specification for close boarded fences</p> <p>Part 6:1986 – Specification for wooden palisade fences</p> <p>Part 7:1986 – Specification for wooden post and rail fences</p> <p>Part 8:1997 – Specification for mild steel (low carbon steel) continuous bar fences and hurdles</p> <p>Part 9:1992 – Specification for mild steel (low carbon steel) fences with round or square verticals and flat horizontals</p> <p>Part 10:1990 – Specification for anti-intruder fences in chain link and welded mesh</p> <p>Part 11:1986 – Specification for woven wood and lap boarded panel fences</p> <p>Part 12:1990 – Specification for steel palisade fences</p> |



| Text Reference            | Full Document Title (if not text reference)<br>& Publication Details (Author, Date, Publisher, ISBN)   |
|---------------------------|--|
|                           | Part 13:1978 – Chain link fences for tennis courts surrounds<br>Part 14:1992 – Specifications for open mesh steel panel fences<br>Part 16:1992(1999) – Specification for organic powder coatings to be used as a plastics finish to components and mesh  |
| BSEN1824                  | Road marking materials. Road trials, 1998  |
| BSEN1871                  | Road marking materials - Physical properties, 2000   |
| BS EN1900-1999            | Structural Eurocodes <ul style="list-style-type: none"> <li>▪ EN1990 Basis of Structural Design</li> <li>▪ EN1991 Actions on Structures</li> <li>▪ EN1992 Design of Concrete Structures</li> <li>▪ EN1993 Design of Steel Structures</li> <li>▪ EN1994 Design of Composite Structures</li> <li>▪ EN1995 Design of Timber Structures</li> <li>▪ EN1996 Design of MasonaryMasonry Structures</li> <li>▪ EN1997 Geotechnical Design</li> <li>▪ EN 1998 Design for Earthquake resistance</li> <li>▪ EN1999 Design of Aluminium Structures</li> </ul> Structural design Eurocodes are part of a wider family of European Standards including the Execution Standards and Product Standards which the Works Promoter should also be aware. |
| BS2011                    | Environmental testing  |
| BS EN 1008: 20023148      | Methods of test for water for making concrete (including notes on the suitability of the water), 1980.   |
| BS EN 1871:2000<br>BS3262 | Hot-applied thermoplastic road marking materials <ul style="list-style-type: none"> <li>Part 1:1989(1995) – Specification for constituent materials and mixtures</li> <li>Part 2:1999 (Obsolescent) – Specification for road performance</li> <li>Part 3:1989(1995) – Specification for application of material to road surfaces</li> </ul>  |
| BS3882: 2007              | Specification for topsoil, 1994  |



| Text Reference         | Full Document Title (if not text reference)<br>& Publication Details (Author, Date, Publisher, ISBN)   |
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| BS3892                 | Pulverised fuel ash<br>Part 1:1997 – Specification for pulverized-fuel ash for use with Portland cement<br>Part 2:1996 – Specification for pulverized-fuel ash to be used as a Type 1 addition<br>Part 3:1997 – Specification for pulverized-fuel ash for use in cementitious grouts |
| BS3921                 | Specification for clay bricks, 1995  |
| BS4027                 | Specification for sulfate-resisting Portland cement, 1996  |
| BS EN 197-1:20004246   | Specification for high slag blast furnace cement, 1996   |
| BS4449: 2005           | Specification for carbon steel bars for the reinforcement of concrete, 1997  |
| BS4466                 | Specification for scheduling, dimensioning, bending and cutting of steel reinforcement for concrete, 1989  |
| BS4482: 2005           | Specification for cold reduced steel wire for the reinforcement of concrete, 1985  |
| BS4483: 2005           | Steel fabric for the reinforcement of concrete, 1998   |
| BS4800                 | Schedule of paint colours for building purposes, 1989(1994)  |
| BS EN 934-2:20094887   | Mortar admixtures<br>Part 1:1986 – Specification for air-entraining (plasticizing) admixtures  |
| BS EN 13108-1:20064987 | Coated macadam for roads and other paved areas<br>Part 1:1993 - Specification for constituent materials and for mixtures<br>Part 2:1993 - Specification for transport, laying and compaction   |
| BS EN 594987           | Specification for transport, laying and compaction   |
| BS EN 932-2:20095075   | Concrete admixtures<br>Part 1:1982 – Specification for accelerating admixtures, retarding admixtures and water reducing admixtures<br>Part 2:1982 – Specification for air-entraining admixtures<br>Part 3:1985 – Specification for superplasticizing admixtures                      |



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| BS EN 1011-2:20025135 | Specification for arc welding of carbon and carbon manganese steels, 1984  |
| BS EN 413-1:20045224  | Specification for masonry cement, 1995   |
| BS5228                | <p>Noise and vibration control on construction and open sites</p> <p>Part 1:1997 – Code of practice for basic information and procedures for noise and vibration control</p> <p>Part 2:1997 – Guide to noise and vibration control legislation for construction and demolition including road construction and maintenance</p> <p>Part 3:1997 – Code of practice applicable to surface coal extraction by opencast methods</p> <p>Part 4:1992 – Code of practice for noise and vibration control applicable to piling operations</p> <p>Part 5:1997 – Code of practice applicable to surface mineral extraction (except coal) sites</p>  |
| BS5489                | <p>Road lighting</p> <p>Part 1:20031992 – Code of practice for the design of road lighting. Lighting of roads and public amenity areas (AMD Corrigendum 15032) (AMD 16063) (+A2:2008)Guide to the general principles</p> <p>Part 2:20031992 – Code of practice for the design of road lighting. Lighting of tunnels (incorporating corrigendum No.1) (+A1:2008)Code of practice for lighting for traffic routes</p> <p>Part 3:1992 – Code of practice for lighting for subsidiary roads and associated pedestrian areas</p> <p>Part 4:1992 – Code of practice for lighting for single-level road junctions including roundabouts</p> <p>Part 5:1992 – Code of practice for lighting for grade-separated junctions</p> <p>Part 6:1992 – Code of practice for lighting for bridges and elevated roads</p> <p>Part 7:1992 – Code of practice for the lighting of tunnels and underpasses</p> <p>Part 8:1998 – Code of practice for lighting that may affect the safe use of aerodromes, railways, harbours and navigable inland waterways</p> <p>Part 9:1996 – Code of practice for lighting for urban centres and public amenity areas</p> |



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|                       | Part 10:1992 – Code of practice for lighting for motorways  |
| BS5649                | <p>Lighting columns</p> <p>Part 1:1978 (withdrawn) – Definitions and terms – Replaced by BSEN40-1:1992</p> <p>Part 2:1978 (1997)≡EN 40-2:1976 – Dimensions and tolerances</p> <p>Part 3:1982 (1997) ≠EN 40-3:1982 – Specification for materials and welding requirements</p> <p>Part 4:1982 (1997) ≡En 40-4:1982 – Recommendations for surface protection of metal lighting columns</p> <p>Part 5:1982 (1997) ≡EN 40-5:1982 – Specification for base compartments and cableways</p> <p>Part 6:1982 (1997) ≡EN 40-6: 1982 – Specification for design loads</p> <p>Part 7:1985 (1997) – Method for verification of structural design by calculation</p> <p>Part 8:1982 (1997) ≡EN 40-8:1982 – Method of verification of structural design by testing</p> <p>Part 9:1982 (1997) ≡EN 40-9:1982 – Specification of special requirements for reinforced and prestressed concrete lighting columns</p> |
| BS 5906:2005          | Waste management in buildings. Code of practice   |
| BS EN 13201           | <p>Part 2 – Performance requirements.</p> <p>Part 3 – Calculation of performance.</p> <p>Part 4 – Methods of measuring lighting performance</p>   |
| BS EN 1997-2:20025930 | Code of Practice for site investigations, 1981  |
| BS6004                | Specification for PVC-insulated cables (non-armoured) for electric power and lighting, 1995   |
| BS EN 7716073         | <p>Precast concrete masonry units</p> <p>Part 1:1981 – Specification for precast concrete masonry units</p> <p>Part 2:1981 – Method of specifying precast concrete masonry units</p>  |
| BS 6073-2: 2008       | Method of specifying precast concrete masonry units   |
| BS6346                | Specification for 600/1000 V and 1900/3300 V armoured electric cables having PVC insulation, 1997   |



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| BS EN 197-1:20006588     | Specification for Portland pulverized-fuel ash cements, 1996  |
| BS EN 15167-1:2006       | Ground granulated blast furnace slag for use in concrete, mortar and grout. Definitions, specifications and conformity criteria, 1992(1998).  |
| BS EN 1338:20036717      | Precast concrete paving blocks<br>Part 1:1993 – Specification for paving blocks<br>Part 3:1989 Code of practice for laying (Withdrawn) Replaced by BS7533:Part 3:1997   |
| BS 7533: 2001            | Guide for the structural design of block paving   |
| BS6910                   | Cold pour resin compound and heat-shrink cable joints in the voltage range up to 1000 V a.cac. and 1500 V d.c.<br>Part 1:1998 – Specification for materials<br>Part 2:1989 – Code of practice for on-site installation  |
| BS EN ISO 17660:20067123 | Specification for metal arc welding of steel for concrete reinforcement, 1989   |
| BS EN 1339:20037263      | Precast concrete flags, kerbs, channels, edgings and quadrants<br>Part 1:1994 – Specification<br>Part 2:1990 Code of practice for laying (Withdrawn replaced by BS7533:Part 4:1998)   |
| BS EN 1340: 2004         | Pre cast concrete kerbs, channels, edgings and quadrants  |
| BS7533 Parts 1 to 13     | Guide for structural design of pavements constructed with clay or concrete block pavers<br>Part 3:1997 – Code of practice for laying precast concrete paving blocks and clay pavers for flexible pavements<br>Part 4:1998 – Code of practice for the construction of pavements of precast concrete flags or natural stone slabs |
| BS7671                   | Requirements for electrical installations. IEE Wiring Regulations. Sixteenth edition, 1992  |
| BS 7987                  | Road traffic signal systems, 2001   |
| BS 7818BSEN60598         | Specification for pedestrian restraint systems in metal, 1995<br>Luminaires<br>Part 1:2008 - Luminaires. General requirements and tests (incorporating  |





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|   | <p>CENELEC amendment A11)</p> <p>Part 2:1998 - Luminaires. Particular requirements - Luminaires for emergency lighting (+A2:2008) (incorporating corrigenda December 1999, December 2005 and October 2007)</p>   |
| <p>BSEN60598</p> <p>BSEN61048</p>   | <p>Luminaires</p> <p>Part 1:2008 - Luminaires. General requirements and tests (incorporating CENELEC amendment A11)</p> <p>Part 2:1998 - Luminaires. Particular requirements - Luminaires for emergency lighting (+A2:2008) (incorporating corrigenda December 1999, December 2005 and October 2007)</p> <p>Specification for capacitors for use in tubular fluorescent and other discharge lamp circuits. General and safety requirements, 1993</p>   |
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| <p>BSEN60529</p> <p>BSEN60598</p> <p>BSEN61048</p> <p>BSEN61049</p> <p>BS8408</p> | <p>Specification for degrees of protection provided by enclosures (IP code), 1992</p> <p>Luminaires</p> <p>Part 1:2008 - Luminaires. General requirements and tests (incorporating CENELEC amendment A11)</p> <p>Part 2:1998 - Luminaires. Particular requirements - Luminaires for emergency lighting (+A2:2008) (incorporating corrigenda December 1999, December 2005 and October 2007)</p> <p>Specification for capacitors for use in tubular fluorescent and other discharge lamp circuits. General and safety requirements, 1993</p> <p>Specification for capacitors for use in tubular fluorescent and other discharge lamp circuits. Performance requirements, 1993</p> <p>Road traffic signs. Testing and performance of microprismatic retroreflective sheeting materials. Specification (incorporating corrigendum No. 1)</p> |

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|---|--|
| <p>BSEN60598<br/>BSEN61048<br/>BSEN61049<br/>BS8408<br/>BS8442</p>      | <p>Luminaires</p> <p>Part 1:2008 - Luminaires. General requirements and tests (incorporating CENELEC amendment A11)</p> <p>Part 2:1998 - Luminaires. Particular requirements - Luminaires for emergency lighting (+A2:2008) (incorporating corrigenda December 1999, December 2005 and October 2007)</p> <p>Specification for capacitors for use in tubular fluorescent and other discharge lamp circuits. General and safety requirements, 1993</p> <p>Specification for capacitors for use in tubular fluorescent and other discharge lamp circuits. Performance requirements, 1993</p> <p>Road traffic signs. Testing and performance of microprismatic retroreflective sheeting materials. Specification (incorporating corrigendum No. 1)</p> <p>Miscellaneous road traffic signs and devices - Requirements and test methods</p> |
| <p>BSEN61048<br/>BSEN61049<br/>BS8408<br/>BS8442<br/>BS EN ISO 9001</p> | <p>Specification for capacitors for use in tubular fluorescent and other discharge lamp circuits. General and safety requirements, 1993</p> <p>Specification for capacitors for use in tubular fluorescent and other discharge lamp circuits. Performance requirements, 1993</p> <p>Road traffic signs. Testing and performance of microprismatic retroreflective sheeting materials. Specification (incorporating corrigendum No. 1)</p> <p>Miscellaneous road traffic signs and devices - Requirements and test methods</p> <p>Quality management systems - requirements (incorporating corrigendum July 2009)</p>   |
| <p>BSEN61049<br/>BS8408<br/>BS8442<br/>BS EN ISO 9001</p>               | <p>Specification for capacitors for use in tubular fluorescent and other discharge lamp circuits. Performance requirements, 1993</p> <p>Road traffic signs. Testing and performance of microprismatic retroreflective sheeting materials. Specification (incorporating corrigendum No. 1)</p> <p>Miscellaneous road traffic signs and devices - Requirements and test methods</p> <p>Quality management systems - requirements (incorporating corrigendum July 2009)</p>   |



| Text Reference                 | Full Document Title (if not text reference)<br>& Publication Details (Author, Date, Publisher, ISBN)   |
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| BS8408BS8442<br>BS EN ISO 9001 | Road traffic signs. Testing and performance of microprismatic retroreflective sheeting materials. Specification (incorporating corrigendum No. 1)<br><br>Miscellaneous road traffic signs and devices - Requirements and test methods<br>Quality management systems - requirements (incorporating corrigendum July 2009) |
| BS8442BS EN ISO 9001           | Miscellaneous road traffic signs and devices - Requirements and test methods<br>Quality management systems - requirements (incorporating corrigendum July 2009)  |
| BS EN ISO 9001                 | Quality management systems - requirements (incorporating corrigendum July 2009)  |