MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS VOLUME 2 NOTES FOR GUIDANCE ON THE SPECIFICATION FOR HIGHWAY WORKS

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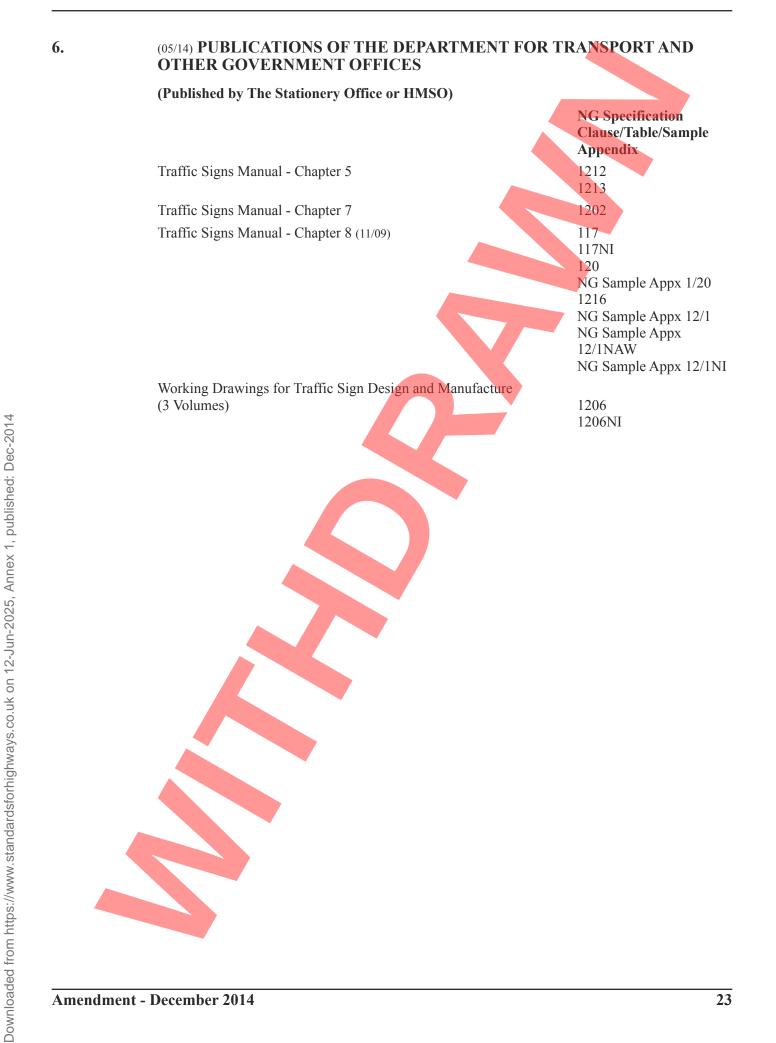
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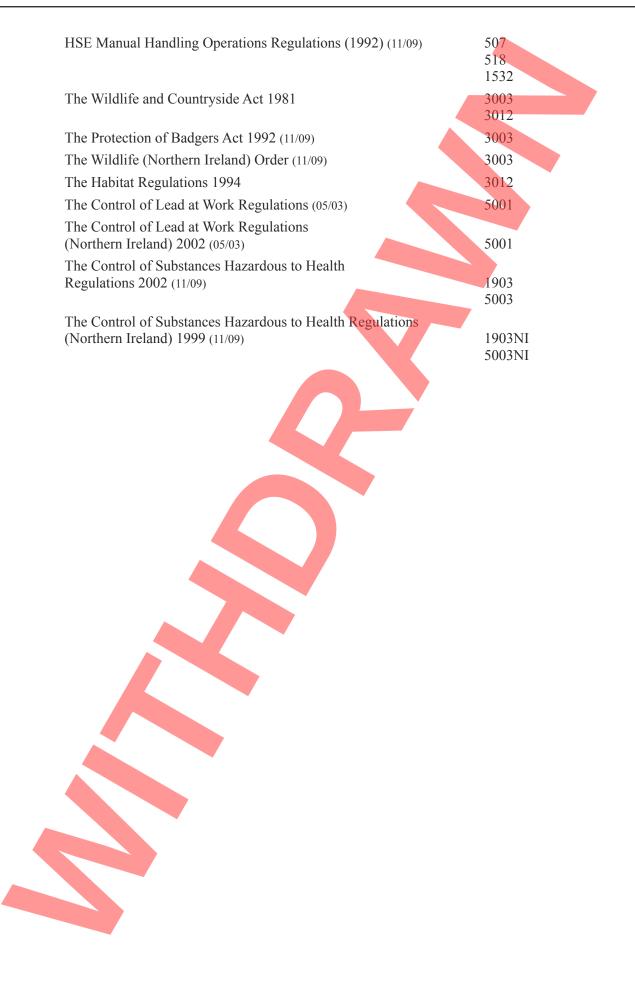
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TRL 273	Use and application of the MCA with particular reference to glacial tills - G D Matheson and M G Winter	632SE
TRL 447	Sulfate specification for structural backfills, J M Reid, M A Czerewko and J C Cripps, 2001 (11/09)	Table NG 1/1 601 644 NG Sample Appx 6/1 840
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TRL 636	The application of Enrobe a Module Eleve in flexible pavements (11/09)	930 953
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	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) Specification for the Reinstatement of Openings in Highways.	642
	I I I I I I I I I I I I I I I I I I I	

Issued by the Highway Authorities and Utilities Committee Concrete Pavement Maintenance Manual, Concrete Society (11/09)	706 706 706 NI 1000
'Quality Protocol for the Production of Aggregates' from	
Inert Waste – 'Producers' Compliance Checklist Waste and Resources Action Programme, available from WRAP, The Old Academy, 21 Horse Fair, Banbury OX16 0AH. The document is also available on the WRAP website, http://www.wrap.org.uk./ (11/09)	710
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
CCIP-009 Hydraulically bound Mixtures for Pavements.	
Concrete Society (11/09)	814
	816
BP/16 Stabilisation of sulphate-bearing soils. Britpave (11/09)	840
BSI PD6691 Guidance on the use of BS EN 13108 Bituminous mixtures. Material specifications. British Standards Publishing	
Limited (11/09)	901
	902 909
	911
	911TS
	915
	929
	Table NG 9/25 930
	930 937
	Table NG 9/26
	943
	Table NG 9/33
PD 6682-2: Aggregates for bituminuous mixtures and surface treatments for roads, airfields and other trafficked areas - Guidance	
on the use of BS EN 13043 (05/06)	901
	1704
IAN 96/07 Guidance on Implementing Results of Research on	002
Bridge Deck Waterproofing (11/09)	903
Road Surface Treatment Association (RSTA) documents (11/09)	919
PD 6689 Surface dressing. Guidance on the use of BS EN 122271.	
British Standards Publishing Limited (11/09)	919
	922
The American Society for Testing and Materials Standard ASTM	
D 2872-88 Test Method for Effect of Heat and Air and a moving film of Asphalt (11/09)	955
Institute of Petroleum Test Method IP PM CM/02 (11/09)	956
	730
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 Piling and Embedded Retaining Walls 1996 with modifications	1601 1608
Tomlinson M J (1986). Foundation Design and Construction	1609 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 API Recommended Practice 13B-1. Standard Procedure for Field Testing Water-based Drilling Fluids. American Petroleum Institute	1615
1990	Table NG 16/1 1618
CIRIA Report PB3. The Use & Influence of Bentonite in Bore Pile Construction Hutchinson M T, Daw G P, Shotton P G, James A N (1975).	1618
The Properties of Bentonite Slurries Used in Diaphragm Walls and their Control. Proc. Diaphragm walls and anchorages, ICE, pp 33-40	1618
Concrete Bridge Development Group Technical Guide 6 'High strength concrete in bridge construction' (12/14)	1702 1727
PD 6682: Aggregates (12/14)	1702
Part 1: Aggregates for concrete - Guidance on the use of BS EN 12620 (12/14)	1702
Part 4: Lightweight aggregates for concrete, mortar and grout –	
Guidance on the use of BS EN 13055-1 (12/14)	1702

steel-fibre-reinforced concrete (12/14)	1702
Concrete Society Technical Reports 65 'Guidance on the use of macro-synthetic-fibre-reinforced concrete' (12/14)	1702
Concrete Society Technical Reports 61 'Enhancing reinforced concrete durability' (12/14)	1704
BRE Digest 330. Alkali - silica reaction in concrete, Parts 1-4 (1997)	1704
The Thaumasite form of sulfate attack: Risks, diagnosis, remedial works and guidance on new construction. DTER 1999 (11/03)	1704
CIRIA Report C660 'Early age thermal crack control in concrete' (12/14)	1704 1710
PD CEN/TR 15739 'Precast Concrete Products – Concrete Finishes – Identification' (12/14)	1707
Appearance Matters 3 The Control of Blemishes in Concrete. William Monks - Cement and Concrete Association - 1981 (out of print) (05/03)	1708
Concrete Society Publication 'Concrete on Site 8 – Making good and finishing' (12/14)	1708
Concrete Society Publications CS 030 'Formwork: a guide to good practice' (12/14)	1710
Concrete Society Publication CS 123 'Checklist for Erecting and Dismantling Falsework' (12/14)	1710
Concrete Society Publication CS 140 'Guide to flat slab falsework and formwork' (12/14)	1710
Concrete Society Publication CS 144 ' Checklist for Assembly, Use and Striking of Formwork' (12/14)	1710
Concrete Society Publication CS 162 - Good concrete guide 6 'Slipforming of vertical structures' (12/14)	1710
Concrete Society Publication CS164 - Good concrete guide 8' Concrete practice – Guidance on the practical aspects of	
concreting' (12/14) Concrete Society Publication 'Concrete on Site 11 –	1710
Winter Working' (12/14) Formwork Striking Times - Methods of Assessment.	1710
CIRIA (Report No. 136) Early-age Thermal Crack Control in Concrete.	1710
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

Post-tensioned Concrete Bridges' 2nd edition (11/03)	1711
International Federation for Structural Concrete (fib) (Technical Report, Bulletin No. 7) for 'Corrugated plastic ducts for internal	1711
bonded post-tensioning) (11/03)	1711
Concrete Society Technical Report TR 72 'Durable post-tensioned concrete structures', 2nd edition (12/14)	1710
	1711
	1724
	1725
	NG Sample Appx.
Spacers. The Concrete Society (Report CS 101)	1714
Post - Tensioned Concrete Bridges - Thomas Telford Limited 1999	1727
Testing and Monitoring the Durability of Concrete Structures.	
Technical Guide No. 2. Cement and Concrete Association	1727
PD 6705-2 Structural use of steel and aluminium. Recommendations	
for the execution of steel bridges to BS EN 1090-2 (08/14)	1800
	1802
	1803 1804
	1804
	1806
	1807
	1808
	1812
PD 6703 Structural bearings. Guidance on the use of structural	1905
bearings. (08/14)	1805
The American Society for Testing and Materials ASTM Standard	
D 4541 – Type III Standard Test Method for Pull-off Strength of Coatings Using Portable Adhesion Testers (08/14)	Table NG 1/1
The American Society for Testing and Materials ASTM Standard	
G 62-07 Standard Test Methods for Holiday Detection in	
Pipeline Coatings (08/14)	Table NG 1/1
Manual of sewer, pumping mains and manholes	
Foundation for water Research, 1993	2505
Report of the Inquiry into Serious Gas Explosions	
P J King (Chairman of the Inquiry) & Department of Energy,	
HMSO, June 1997 (11/09)	2506
Model of specification for Control of Japanese Knotweed	3002
Technical Bulletin : Water Restrictions and Watering Specification,	
The Landscape Institute, 1996	3008
Bird Boxes by Chris de Feu - British Trust for Ornithology	3012
National Plant specification from The Horticulture Trades	

I