
**VOLUME 0 MODEL CONTRACT
DOCUMENT FOR MAJOR
WORKS AND
IMPLEMENTATION
REQUIREMENTS**

**SECTION 2 IMPLEMENTING
STANDARDS**

PART 20

SD 19/05

**IMPLEMENTATION OF
NOVEMBER 2005 AMENDMENTS TO
SPECIFICATION FOR HIGHWAY
WORKS, NOTES FOR GUIDANCE ON
SPECIFICATION FOR HIGHWAY
WORKS AND HIGHWAY
CONSTRUCTION DETAILS**

SUMMARY

This Standard introduces the November 2005 amendments to Specification for Highway Works, Notes for Guidance on Specification for Highway Works and Highway Construction Details. Implementation requirements for the amendments are given for their use in trunk road including motorway contracts in the UK.

INSTRUCTIONS FOR USE

This is a new document to be incorporated into the manual.

1. Insert SD 19/05 into Volume 0, Section 2.
2. Archive this sheet as appropriate.

Note: A quarterly index with a full set of Volume Contents Pages is available separately from The Stationery Office Ltd.



THE HIGHWAYS AGENCY



SCOTTISH EXECUTIVE



Llywodraeth Cynulliad Cymru
Welsh Assembly Government

WELSH ASSEMBLY GOVERNMENT
LLYWODRAETH CYNULLIAD CYMRU



THE DEPARTMENT FOR REGIONAL DEVELOPMENT
NORTHERN IRELAND

Implementation of November 2005 Amendments to Specification for Highway Works, Notes for Guidance on Specification for Highway Works and Highway Construction Details

Summary: This Standard introduces the November 2005 amendments to Specification for Highway Works, Notes for Guidance on Specification for Highway Works and Highway Construction Details. Implementation requirements for the amendments are given for their use in trunk road including motorway contracts in the UK.

REGISTRATION OF AMENDMENTS

Amend No	Page No	Signature & Date of incorporation of amendments	Amend No	Page No	Signature & Date of incorporation of amendments

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1. INTRODUCTION AND IMPLEMENTATION

Introduction

1.1 This Standard introduces the November 2005 national amendments to the Specification for Highway Works (SHW), the Notes for Guidance on Specification for Highway Works (NfG), the Highway Construction Details (HCD) and Preparation of Bills of Quantities for Highway Works (MMHW).

1.2 The amendments are to be used in the preparation of documents for contracts for the construction, improvement or maintenance of trunk roads including motorways in England, Scotland, Wales and Northern Ireland. (In Northern Ireland the amended documents will be applicable to those roads designated by the Overseeing Organisation.)

1.3 This amending Standard is to be used in conjunction with:

SD 1/98 (Implementation of Specification for Highway Works and Notes for Guidance)

SD 2/92 (Implementation of Highway Construction Details)

SD 3/98 (Preparation of Bills of Quantities for Highway Works)

Annex C of SD 6/94 (Implementation of 1993 Annual Amendments to Specification for Highway Works and Notes for Guidance, Highway Construction Details and Preparation of Bills of Quantities for Highway Works)

Annex C of SD 6/95 (Implementation of 1994 Annual Amendments to Specification for Highway Works and Notes for Guidance, Highway Construction Details and Preparation of Bills of Quantities for Highway Works)

SD 6/98 (Implementation of 1998 Annual Amendments to Highway Construction Details)

SD 7/98 (Implementation of July 1998 Amendments to Specification for Highway Works, Notes for Guidance and Highway Construction Details)

SD 8/00 (Implementation of January 2000 and May 2000 Amendments to the Highway Construction Details)

SD 9/01 (Implementation of May 2001 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works, Highway Construction Details and Preparation of Bills of Quantities for Highway Works)

SD 10/02 (Implementation of May 2002 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works, Highway Construction Details and Preparation of Bills of Quantities for Highway Works)

SD 11/02 (Implementation of November 2002 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works)

SD 12/02 (Implementation of February 2003 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works, Highway Construction Details and Preparation of Bills of Quantities for Highway Works)

SD 13/03 (Implementation of May 2003 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works and Preparation of Bills of Quantities for Highway Works)

SD 14/03 (Implementation of August 2003 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works and Highway Construction Details)

SD 15/04 (Implementation of November 2003 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works, Highway Construction Details and Preparation of Bills of Quantities for Highway Works)

SD 16/04 (Implementation of May 2004 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works, Highway Construction Details and Preparation of Bills of Quantities for Highway Works)

SD 17/04 (Implementation of November 2004 Amendments to Specification for Highway Works, Notes for Guidance on Specification for Highway Works, Highway Construction Details and Preparation of Bills of Quantities for Highway Works)

SD 18/05 (Implementation of May 2005 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works, Highway Construction Details and Preparation of Bills of Quantities for Highway Works)

Implementation

1.4 Contracts for construction, improvement or maintenance of all UK trunk roads including motorways (in Northern Ireland those roads designated by the Overseeing Organisation) shall be prepared using:

- (i) the documents contained in the Manual of Contract Documents for Highway Works (MCHW) March 1998 edition for Volumes 1 and 2, as amended in June, July, August 1998, May 2001, May 2002, November 2002, February 2003, May 2003, August 2003, November 2003, May 2004, November 2004, May 2005 and November 2005.
- (ii) the 1991 edition for Volume 3 as amended in August 1993, August 1994, March 1998, July 1998, March 1999, January 2000, May 2000, May 2001, May 2002, February 2003, August 2003, November 2003, May 2004, November 2004, May 2005 and November 2005.
- (iii) the March 1998 edition for Volume 4 as amended in May 2001, May 2002, February 2003, May 2003, November 2003, May 2004, November 2004 and May 2005.

Contracts for which tenders are to be invited after 1 April 2006 shall incorporate by reference the amendments implemented by this Standard, except where the preparation of a contract has reached a stage at which in the opinion of the Overseeing Organisation

use of the amendments would result in significant additional expense or delay progress.

1.5 The method of incorporating the amendments to the SHW by reference in tender documents is explained in the Notes for Guidance, Series NG 000, and sub-Clause NG 000.4. The amendment to the Notes for Guidance includes a revised Schedule of Pages and Relevant Publication Dates. A model Preamble is included in the Notes for Guidance. The Preamble to the Specification and the Schedule of Pages and Relevant Publication Dates shall be reproduced unaltered and bound in the Specification with the Numbered Appendices.

1.6 The drawings from the HCD brought into the Contract by reference are to be listed in Appendix 0/4 and dated as appropriate (sub-Clause NG 003.13 and NG Sample Appendix 0/4 in the Notes for Guidance refer).

Superseded Text and Drawings

1.7 Superseded text and drawings in the MCHW Volumes 1, 2, 3 and 4 shall be retained:

- (i) for those schemes for which the Contract has already been awarded using contract documents incorporating by reference the superseded text, and
- (ii) for new schemes for which specific approval has been given to use the superseded text under paragraph 1.4 above.

In these cases, working copies of the MCHW should not have the new amendments incorporated.

1.8 Where working copies of the MCHW are maintained for use on new schemes not covered by the exceptions in paragraph 1.7 above, the superseded pages should be removed and replaced with amended pages (together with all new pages issued).

1.9 Instructions for incorporating the amendments are contained in the published amendment packages.

1.10 The Overseeing Organisations will ensure each office retains an archive copy of MCHW Volumes 0 to 6 incorporating the relevant amendments.

2. REFERENCES

2.1 Manual of Contract Documents for Highway Works:

Volume 0: Model Contract Document for Major Works and Implementing Requirements (MCHW 0)

Section 2: Implementing Standards

Part 1 SD 1/98 Implementation of Specification for Highway Works and Notes for Guidance

Part 2 SD 2/92 Implementation of Highway Construction Details (Paragraph 1.5 is superseded by SD 6/94)

Part 3 SD 3/98 Preparation of Bills of Quantities for Highway Works

Part 5 SD 6/94 Implementation of 1993 Annual Amendments to Specification for Highway Works and Notes for Guidance, Highway Construction Details and Preparation of Bills of Quantities for Highway Works

Part 5 SD 6/95 Implementation of 1994 Annual Amendments to Specification for Highway Works and Notes for Guidance, Highway Construction Details and Preparation of Bills of Quantities for Highway Works

Part 7 SD 6/98 Implementation of 1998 Annual Amendments to Highway Construction Details

Part 8 SD 7/98 Implementation of July 1998 Amendments to Specification for Highway Works, Notes for Guidance, and Highway Construction Details

Part 9 SD 8/00 Implementation of January 2000 and May 2000 Amendments to the Highway Construction Details

Part 10 SD 9/01 Implementation of May 2001 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works, Highway Construction Details and Preparation of Bills of Quantities for Highway Works

Part 11 SD 10/02 Implementation of May 2002 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works, Highway Construction Details and Preparation of Bills of Quantities for Highway Works

Part 12 SD 11/02 Implementation of November 2002 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works

Part 13 SD 12/03 Implementation of February 2003 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works, Highway Construction Details and Preparation of Bills of Quantities for Highway Works

Part 14 SD 13/03	Implementation of May 2003 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works and Preparation of Bills of Quantities for Highway Works	Volume 1: Specification for Highway Works (MCHW 1)
		Volume 2: Notes for Guidance on the Specification for Highway Works (MCHW 2)
		Volume 3: Highway Construction Details (MCHW 3)
Part 15 SD 14/03	Implementation of August 2003 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works and Highway Construction Details	Section 1: Carriageway and Other Details
		Section 2: Not Used (05/04)
		Section 3: National Motorway Communications System Installation Drawings
Part 16 SD 15/03	Implementation of November 2003 Amendments to Specification for Highway Works, Notes for Guidance on Specification for Highway Works, Highway Construction Details and Preparation of Bills of Quantities for Highway Works	Volume 4: Bills of Quantities for Highway Works (MCHW 4)
		Section 1: Method of Measurement for Highway Works (MMHW)
		Section 2: Notes for Guidance on the Method of Measurement for Highway Works (NGMMHW)
Part 17 SD 16/04	Implementation of May 2004 Amendments to Specification for Highway Works, Notes for Guidance on Specification for Highway Works, Highway Construction Details and Preparation of Bills of Quantities for Highway Works	Section 3: Library of Standard Item Descriptions (LSID)
Part 18 SD 17/04	Implementation of November 2004 Amendments to Specification for Highway Works, Notes for Guidance on Specification for Highway Works, Highway Construction Details and Preparation of Bills of Quantities for Highway Works	
Part 19 SD 18/05	Implementation of May 2005 Amendments to Specification for Highway Works, Notes for Guidance on Specification for Highway Works, Highway Construction Details and Preparation of Bills of Quantities for Highway Works	

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All technical enquiries or comments on this document should be sent in writing as appropriate to the above.

Schedule of November 2005 Amendments to Volume 1 (as amended in August 1998, May 2001, May 2002, November 2002, February 2003, May 2003, August 2003 and November 2003, May 2004, November 2004, May 2005 and November 2005)
Specification for Highway Works

Series	Additional Clauses/Tables/Figures	Amended Clauses/Tables/Figures
100		120
400	401.2: Requirement to use concrete safety barrier in the central reserve of motorways added. This is a result of IAN 60	401.2 to 401.6 re-numbered to 401.3 to 401.7 401.2 401.4 401.5 401.6(i) 401.6(ii) 401.6(iii) 403.8 403.9 408.1(iv)(b) 408.3(ix)
500		501.6(ii) 503.4(i) 503.4(ii) 503.5(i) 505.4(i) 505.4(ii) 505.5(i) Table 5/5
600	601SE: Classification, Definitions and Uses of Earthworks Materials	#601.2(ii)a #601.3(i) #601.14(i) to (ii) #601.15(i) 614.8 614.10 615.10 643.11 643.17 643.19 Table 6/1 Table 6/3 601.2(ii)(a)NI 601.3(i)NI 601.14(i)NI to (ii)NI 601.15(i)NI

Schedule of November 2005 Amendments to Volume 1 (as amended in August 1998, May 2001, May 2002, November 2002, February 2003, May 2003, August 2003 and November 2003, May 2004, November 2004, May 2005 and November 2005)
Specification for Highway Works (concluded)

Series	Additional Clauses/Tables/Figures	Amended Clauses/Tables/Figures
1000	<p>1001.5(ii): Requirements for air-entraining admixture for surface slabs of pavements with at least a class C40/50 concrete have been excluded.</p> <p>1001.5(iv): Requirements for air-entraining admixture for surface slabs of pavements with a class C35/45 concrete which are to be overlaid by a 20 mm minimum thickness thin surface course system complying with Clause 942 have been excluded.</p>	<p>Table 10/1 1001.2 1001.5(i) 1001.5 (ii) re-numbered 1003.2 1003.4 1004.1 1004.2 1004.6 1011.7(i) 1030.7</p>
1300		<p>1307.1 1310.1 1313.14 1313.16 1314.7</p>
1400		1423.1
1600		<p>1602.1 1606.1 1606.8 1606.9 1606.27</p>
1800		<p>1803 Pages 36, 37 and 38</p>
2100		2104
2500		<p>2502.3 2503.16</p>
Appendix F		Consequential update
Appendix H		Consequential update

Schedule of November 2005 Amendments to Volume 2 (as amended in August 1998, May 2001, May 2002, November 2002, February 2003, May 2003, August 2003, November 2003, May 2004, November 2004, May 2005 and November 2005)
Notes for Guidance on the Specification for Highway Works

NG Series	Additional Clauses NG/Tables NG/Figures NG	Amended Clauses NG/Tables NG/Figures NG
000		Table NG 0/1 Table NG 0/3 Schedule of Pages and Relevant Publication Dates
100		Table NG 1/1 120 Appendix 1/20
400	401.4 Background information and advice added	401.1 401.2 401.4 to .6 re-numbered 402.6(i) 408.1(vi)(a)
500		503.2 505.2 521.8
600	601SE: Classification, Definitions and Uses of Earthworks Materials 644.6: Further advice on sampling and testing added	Figure NG 6/1 604.2 604.3 644.4
800		801.5
1000		1000.3 1000.5 1000.6 1001.1 1001.10 1001.11 1003.3 1004.1 1004.2 1004.7 1004.9 1004.13
1300		1309.2 1309.5(a)
1800		NG Sample Appendix 18/1
Annex 1		Consequential amendments

Schedule of November 2005 Amendments to Volume 3, Sections 1, 2 and 3
(as last amended in May 2001, May 2002, February 2003, August 2003, November 2003,
May 2004, November 2004, May 2005 and November 2005)

Note: Section 2 of Volume 3 was removed from Volume 3 in May 2004

Highway Construction Details

Series	New Drawings	Amended Drawings
Section 1		
Series G		G1 Issue E, G2 Issue D, G3 Issue E, G4 Issue E, G5 Issue D, G6 Issue C, G7 Issue G, G8 Issue E, G9 Issue E, G10 Issue E, G11 Issue E, G12 Issue E, G13 Issue F, G14 Issue D, G15 Issue D, G16 Issue F, G17 Issue E, G18 Issue D, G19 Issue D, G20 Issue D, G21 Issue D, G22 Issue D, G23 Issue D, G24 Issue D, G25 Issue C, G26 Issue C, G27 Issue C, G28 Issue C, G29 Issue D, G30 Issue D, G31 Issue C and G 32 Issue C
Section 3		
MCX		MCX 0138 Sheet 1 Issue N, MCX 0140 Sheet 1 Issue S, MCX 0143 Sheet 1 Issue R, MCX 0153 Sheet 1 Issue M, MCX 0153 Sheet 2 Issue F, MCX 0490 Sheet 3 Issue K, MCX 0490 Sheet 4 Issue N, MCX 0490 Sheet 5 Issue K, MCX 0592 Sheet 1 Issue F, MCX 0592 Sheet 2 Issue E, MCX 0592 Sheet 3 Issue E, MCX 0592 Sheet 4 Issue E, MCX 0594 Sheets 1 Issue F, MCX 0594 Sheet 2 Issue F, MCX 0594 Sheet 3 Issue G, MCX 0723 Sheet 1 Issue E, MCX 0800 Sheet 1 Issue G, MCX 0800 Sheet 2 Issue G, MCX 0801 Sheet 4 Issue H, MCX 0811 Sheet 2 Issue G, MCX 0811 Sheet 3 Issue G, MCX 0812 Sheet 1 Issue F, MCX 0812 Sheet 2 Issue G, MCX 0834 Sheet 4 Issue E, MCX 0834 Sheet 5 Issue E, MCX 0834 Sheet 6 Issue E, MCX 1030 Sheets 1-10 Issue B, MCX 1030 Sheets 11-18 Issue A