VOLUME 0	**MODEL CONTRACT DOCUMENT FOR MAJOR WORKS AND IMPLEMENTATION REQUIREMENTS**
SECTION 2	**IMPLEMENTING STANDARDS**

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

SUMMARY

This Standard introduces the 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. Implementation requirements for the amendments are given for their use in trunk road contracts in the UK.

INSTRUCTIONS FOR USE

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

1. Insert SD 12/03 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 DEVELOPMENT DEPARTMENT

WELSH ASSEMBLY GOVERNMENT
LLYWODRAETH CYNULLIAD CYMRU

THE DEPARTMENT FOR REGIONAL DEVELOPMENT
NORTHERN IRELAND

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

Summary: This Standard introduces the 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. Implementation requirements for the amendments are given for their use in trunk road 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

REGISTRATION OF AMENDMENTS

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

VOLUME 0 MODEL CONTRACT DOCUMENT FOR MAJOR WORKS AND IMPLEMENTATION REQUIREMENTS

SECTION 2 IMPLEMENTING STANDARDS

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

Contents

Chapter

1. Introduction and Implementation

2. References

3. Enquiries

Annex A Schedule of Amendments to Volume 1

Annex B Schedule of Amendments to Volume 2

Annex C Schedule of Amendments to Volume 3

Annex D Schedule of Amendments to Volume 4

1. INTRODUCTION AND IMPLEMENTATION

Introduction

1.1 This Standard introduces the February 2003 national amendments to the Specification for Highway Works (SHW) and the Notes for Guidance on Specification for Highway Works (NG), the Highway Construction Details (HCD) and Bills of Quantities for Highway Works (MMHW, LSID).

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).

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 and February 2003.

(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 and February 2003.

(iii) the March 1998 edition for Volume 4 as amended in May 2001, May 2002 and February 2003.

Contracts for which tenders are to be invited after 1 August 2003 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 1, 2, 3 and 4 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 Highways 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 Highways 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 and 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)

- Section 1: Carriageway and Other Details
- Section 2: Safety Fences and Barriers
- Section 3: National Motorway Communications System Installation Drawings

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)
- Section 3: Library of Standard Item Descriptions (LSID)

3. ENQUIRIES

Approval of this document for publication is given by the undersigned:

Chief Highway Engineer The Highways Agency Room B153A Romney House 43 Marsham Street London SW1P 3HW	G CLARKE Chief Highway Engineer

Chief Road Engineer Scottish Executive Development Department Victoria Quay Edinburgh EH6 6QQ	J HOWISON Chief Road Engineer

Chief Highway Engineer Transport Directorate Welsh Assembly Government Llywodraeth Cynulliad Cymru Crown Buildings Cardiff CF10 3NQ	J R REES Chief Highway Engineer Transport Directorate

Director of Engineering Department for Regional Development Roads Service Clarence Court 10-18 Adelaide Street Belfast BT2 8GB	G W ALLISTER Director of Engineering

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

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

Series	Additional Clauses/Tables/Figures	Amended Clauses/Tables/Figures
000		001.1 002.1 Table 0/1
500	None	506.3
1200	None	1201.2NAW 1201.3NAW 1201.4 (i) NAW 1201.4 (ii) NAW 1201.4 (iii) NAW
1500	1505.3: The Contractor to provide the Overseeing Organisation with a schedule of exact cable lengths and their locations, after checking the lengths of the cable routes on site. 1505.5: The Contractor will be supplied with 2 mater keys for the equipment, which shall be returned to the Overseeing Organisation on completion of the Works.	1500 - Content Sheet 1502.1(i) 1502.1(iv) - deleted 1502.1(v) amended and re-numbered as 1502.1(iv) 1502.3 1505.1 1505.2 1505.3 - re-numbered as 1505.4 and amended 1505.4 - 1505.7 amended and re-numbered as 1505.6 - 1505.9 1506.6
1800	None	1803 (Page 2 and Page 4)
Append-ices	None	Appendix A (Sector Scheme 3 updated) Appendix B (reference to standards updated) Appendix F (reference to standards updated)

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

Series	Additional Clauses/Tables/Figures	Amended Clauses/Tables/Figures
NG 000	None	NG 001.5 NG 001.11 NG 002.2 Table NG 0/2 Table NG 0/3 Schedule of Pages and Relevant Publication Dates Sample List 'A'
NG 100	None	NG 104.2 NG 106.3
NG 1100	None	NG 1110.1NAW
NG1500	None	NG 1500 (Content Sheet) NG 1501.2 NG 1501.5 NG 1505.1 NG Sample Appendix 15/1
NG 1700	None	NG Sample Appendix 17/2
Annex 1	None	General update

Schedule of February 2003 Amendments to Volume 3, Section 1 and Section 3

(as last amended in May 2001 and May 2002)

Highway Construction Details

Series	New Drawings	Amended Drawings
G	G2, G9, G10, G11, G12, G13, G14, G15 and G16.	G1, G3 (amended and re-numbered from G2), G4 (amended and re-numbered from G3), G5 (amended and re-numbered from G4), G6 (previously unused G5 amended and re-numbered as G6), G7, G8 (amended and re-numbered from G13), G17 (amended and re-numbered from G8), G18 (amended and re-numbered from G9), G19 (amended and re-numbered from G10), G20 (amended and re-numbered from G11), G21 (amended and re-numbered from G12), G22 (amended and re-numbered from G14), G23 (amended and re-numbered from G15), G24 (amended and re-numbered from G16), G25 (amended and re-numbered from G17), G26 (amended and re-numbered from G18), G27 (amended and re-numbered from G19), G28 (amended and re-numbered from G20), G29 (amended and re-numbered from G21), G30 (amended and re-numbered from G22), G31 (amended and re-numbered from G23) and G32 (amended and re-numbered from G24).
MCX	MCX 1026 Sheet 1/4 to 4/4 inclusive	MCX 0135 Sheet No 4, MCX 0135 Sheet No 5, MCX 0138, Sheet No 1, MCX 0138 Sheet No 2, MCX 0140 Sheet No 1, MCX 0141 Sheet No 1, MCX 0143 Sheet No 1, MCX 0146 Sheet No 1, MCX 0147 Sheet No 1, MCX 0151 Sheet No 6, MCX 0153 Sheet No 1, MCX 0156 Sheet No 1, MCX 0156 Sheet No 4, MCX 0160 Sheet No 1, MCX 0171 Sheet No 1, MCX 0566 Sheet No 1, MCX 0575 Sheet No 1, MCX 0582 Sheet No 1, MCX 0582 Sheet No 2, MCX 0582 Sheet No 3, MCX 0582 Sheet No 4, MCX 0583 Sheet No 1, MCX 0583 Sheet No 2, MCX 0583 Sheet No 5, MCX 0583 Sheet No 8, MCX 0583 Sheet No 10, MCX 0584 Sheet No 8, MCX 0584 Sheet No 10, MCX 0594 Sheet No 1, MCX 0594 Sheet No 2, MCX 0723 Sheet No 1, MCX 0723 Sheet No 2, MCX 0800 Sheet No 1, MCX 0800 Sheet No 2, MCX 0800 Sheet No 3, MCX 0810 Sheet No 1, MCX 0810 Sheet No 2, MCX 0811 Sheet No 2, MCX 0811 Sheet No 3, MCX 0812 Sheet No 2, MCX 0813 Sheet No 1, MCX 0814 Sheet No 1, MCX 0814 Sheet No 2, MCX 0814 Sheet No 3, MCX 0814 Sheet No 4, MCX 0815 Sheet No 1, MCX 0815 Sheet No 2, MCX 0815 Sheet No 3, MCX 0815 Sheet No 4, MCX 0821 Sheet No 4, MCX 0823 Sheet No 2, MCX 0830 Sheet No1, MCX 0831 Sheet No 1, MCX 0832 Sheet No 1, MCX 0833 Sheet No 1, MCX 0833 Sheet No 2, and MCX 0864 Sheet No 4.

Schedule of February 2003 Amendments to Volume 4 (dated March 1998, May 2001 and May 2002)
Bill of Quantities for Highway Works

Section 1: Method of Measurement for Highway Works

Chapter	Series	Additional Paragraph/Tables	Amended Paragraphs/Tables
-	1500	None	13 14 22 23