

Management of Highway Structures

A Code of Practice

Complementary Guidance

Management of Highway Structures: A Code of Practice was published in September 2005. Since then Government Policy in respect to highway and structures management has developed and evolved in a number of areas, including the introduction of new statutory duties on highways authorities. There have also been developments/advances with regard to recognised good practice.

To assist users of the Code, the Roads Liaison Group has prepared this complementary guidance which takes account of these changes and developments. Where appropriate, the complementary guidance provides details of where to find up-to-date information that can assist with the implementation of the good practice set out in the Code.

Users of the Code should treat this complementary guidance as up-to-date and having the same status as the Code. Where paragraphs have been amended, they supersede the ones in the Code.

Last Updated: 14th May 2009

General

Added
14th May 2009

Publication of Complementary Guidance on Masonry Arch Bridges.

The guidance document *Masonry arch bridges: condition appraisal and remedial treatment* (C656) was published by CIRIA in 2006.

The publication is supported and endorsed by the DfT and Network Rail. The document provides information and guidance, specific to masonry arch bridges, that aligns with and expands upon that provided in the Code. The document can be obtained from:

<http://www.ciria.org/SERVICE/Home/core/orders/product.aspx?catid=5&prodid=142>

Section 1 Introduction

1.1 Background

Amended paragraph
14th May 2009

Following the publication of the Code, the DfT published *Maintaining a Vital Asset*, a booklet aimed at senior managers/members and seeking to highlight the importance of maintaining the highway asset. The booklet, which was endorsed, at that time, by the DfT, the Welsh Assembly Government, the Mayor of London, the Scottish Executive and the Northern Ireland Office, commends the Code to highway authorities. *Maintaining a Vital Asset* can be downloaded from:

www.ukroadsliaisongroup.org/pdfs/051107_maintaining_a_vital_asset.pdf

In view of this important publication, paragraph 1.1.9 of the Code should be read as:

- 1.1.9 The importance of maintenance has also been recognised in *Scotland's Transport Future*, *The Mayor's Transport Strategy* and the Department for Transport Publication *Maintaining a Vital Asset*.

1.4 Overview of Asset Management

Added
14th May 2009

A review of progress with Transport Asset Management Plans (TAMPs) was commissioned by the DfT; the review was completed in January 2008. The study concluded that although some progress has been made with the development of TAMPs, there is still scope for improvement. The final report provides an overview of the work, a description of the findings and discussion on the way forward. The report can be downloaded from:

Section 2

Management Context

2.3 Government Transport Policy and Plans

Added
14th May 2009

The DfT and the Department for Communities and Local Government (DCLG), with support from the Commission for Architecture and the Built Environment (CABE), developed a Manual for Streets to provide guidance for a range of practitioners on effective street design.

The Manual for Streets, launched in March 2007, provides guidance for practitioners involved in the planning, design, provision and approval of new residential streets, and modifications to existing ones. It aims to increase the quality of life through good design which creates more people-orientated streets.

Bridge engineers should be duly aware of the guidance provided in this manual and any implications it has for bridge management, e.g. maintenance, upgrade and reconstruction.

The Manual for Streets can be obtained from:
www.dft.gov.uk/pgr/sustainable/manforstreets

2.7 Health and Safety Requirements

Added
14th May 2009

Paragraphs 2.7.5 to 2.7.7

This section of the Code refers to the 1994 version of the Construction (Design and Management) Regulations (CDM). The Regulations have been revised and updated and published as the Construction (Design and Management) Regulations 2007 (CDM 2007). The revised Regulations are intended to make it easier for those involved in construction projects to comply with their health and safety duties.

Any reference to CDM in this or any other section of the Code should be taken to mean CDM 2007. More information on the CDM 2007 regulations can be obtained from:

www.hse.gov.uk/construction/cdm.htm and the Regulations themselves can be found at: http://www.opsi.gov.uk/si/si2007/uksi_20070320_en_1

Section 4

Financial Planning and Resource Accounting

4.4. Basis and Principles

Paragraphs 4.4.7 to 4.4.10

Added
14th May 2009

HM Treasury and DfT commissioned CIPFA to review accounting, management and financing mechanisms for local authority transport infrastructure assets. The report, published in June 2008, concluded that comprehensive transport asset management has the potential to deliver significant value for money benefits and improvements in the services delivered to users. A timetable for implementing transport infrastructure asset valuation was proposed in the report.

The report can be downloaded from:

www.cipfa.org.uk/pt/infrastructure/download/final_report_jun08.pdf

Added
14th May 2009

A Technical Note on *Asset Valuation for Highway Structures* (Version 2.0) was published by the London Bridges Engineering Group (LoBEG) in September 2008.

This is a useful reference document, describing how LoBEG have interpreted the *CSS/TAG Asset Valuation Guidance for Highway Infrastructure* (July 2005) for highway structures.

Copies of the LoBEG Technical Note can be obtained from:

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Section 6

Inspection, Testing and Monitoring

General

Added
14th May 2009

The *Inspection Manual for Highway Structures* (Volumes 1 and 2) was commissioned by the Highways Agency and published in May 2007. A Technical Project Board, representing UK highway bridge owners, oversaw the development; the manual is supported, endorsed and recommended by the UK Bridges Board.

The *Inspection Manual* fully aligns with the inspection requirements defined in Section 6 of the Code and provides detailed guidance on how these should be interpreted and applied.

The Inspection Manual is published by TSO and can be obtained from:
<http://www.tsoshop.co.uk/bookstore.asp?Action=Book&ProductId=0115527974>

Section 7

Assessment of Structures

4.4. Structural Review and Assessment Regime

Added
14th May 2009

Paragraph 7.4.2, bullet point 3

BD 86/07: *The Assessment of Highway Bridges and Structures for the Effects of Special Types General Order (STGO) and Special Order (SO) Vehicles* was published in 2007.

This standard is a relevant consideration when assessing bridges for abnormal loads. BD86 can be downloaded from:

www.standardsforhighways.co.uk/dmrb/index.htm

It is located in DMRB Volume 3 Section 4.

Appendix B

Standards for Maintenance

Paragraph B1.2

***Amended paragraph
14th May 2009***

The web link provided in the code is no longer active. The current web link for the DMRB is:

www.standardsforhighways.co.uk/dmr/index.htm