
**VOLUME 1 HIGHWAY STRUCTURES:
APPROVAL PROCEDURES
AND GENERAL DESIGN**
SECTION 3 GENERAL DESIGN

PART 2

BD 15/92

**GENERAL PRINCIPLES FOR THE
DESIGN AND CONSTRUCTION OF
BRIDGES**

USE OF BS 5400: PART 1: 1988

INTRODUCTION

This Departmental Standard covers the use of BS 5400: Part 1: 1988 for the design and construction of concrete highway bridges and associated structures.

INSTRUCTIONS FOR USE

1. Remove BD 15/82, which is superseded by BD 15/92, and archive as appropriate.
2. Insert BD 15/92 into Volume 1, Section 3.
3. Archive this sheet as appropriate.

Note: New contents pages for Volume 1 containing reference to this document are available with BD 24/92.



THE HIGHWAYS AGENCY

BD 15/92



THE SCOTTISH OFFICE DEVELOPMENT DEPARTMENT



THE WELSH OFFICE
Y SWYDDFA GYMREIG



THE DEPARTMENT OF
THE ENVIRONMENT FOR NORTHERN IRELAND

General Principles for the Design and Construction of Bridges Use of BS 5400: Part 1: 1988

Summary: This Standard covers the use of BS 5400: Part 1: 1988 for the design and construction of highway bridges and associated structures.

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. THE USE OF THE BRITISH STANDARD

General

1.1 This Standard covers the use of BS 5400: Part 1 : 1988 for the design and construction of highway bridges. It supersedes Standard BD 15/82. The 1988 revision of BS 5400: Part 1 essentially incorporated the amendments contained in BD 15/82.

Scope

1.2 The analysis and design of all highway bridges belonging to the Overseeing Department shall be carried out in accordance with the principles laid down in BS 5400: Part 1 as implemented by this Standard. Where reference is made to any Part of BS 5400 this shall be taken as a reference to that Part as implemented by the Overseeing Department.

1.3 BS 5400: Part 1 is not intended for routine use in the design of conventional types of bridges. This function will be fulfilled by the remaining parts of BS 5400 namely Parts 2-5, 9 and 10, as implemented by the Overseeing Department.

1.4 However, the principles set out in Part 1 may be applied when new types of structures are designed or when uses of new or improved types of structural material are envisaged.

Implementation

1.5 This Standard should be used forthwith for all schemes currently being prepared, provided that, in the opinion of the Overseeing Department, this would not result in significant additional cost or delay progress. Design Organisations should confirm its application to particular schemes with the Overseeing Department.

2. ENQUIRIES

All technical enquiries or comments on this Standard should be sent in writing as appropriate to:-

Chief Highway Engineer
The Department of Transport
St Christopher House
Southwark Street
London SE1 0TE

T A ROCHESTER
Chief Highway Engineer

The Deputy Chief Engineer
Roads Directorate
The Scottish Office Industry Department
New St Andrew's House
Edinburgh EH1 3TG

J INNES
Deputy Chief Engineer

The Director of Highways
Welsh Office
Y Swyddfa Gymreig
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Ty Glas Road
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