

AS 1597.2 Supplement 1—1997

**Precast reinforced concrete box
culverts**

**Part 2: Large culverts (from
1500 mm span and up to and
including 4200 mm span and
4200 mm height)—Commentary**

(Supplement to AS 1597.2—1996)

This Australian Standard was prepared by Committee CE/26, Precast Reinforced Concrete Box Culverts. It was approved on behalf of the Council of Standards Australia on 24 January 1997 and published on 5 March 1997.

The following interests are represented on Committee CE/26:

Association of Consulting Engineers, Australia
Australasian Railway Association
Australian Chamber of Commerce and Industry
Australian Geomechanics Society
AUSTROADS
Cement and Concrete Association of Australia
Concrete Pipe Association of Australasia
Institute of Municipal Engineering, Australia
Institution of Engineers, Australia
National Precast Concrete Association
Swinburne Institute of Technology
University of Adelaide
University of Sydney

Review of Australian Standards. To keep abreast of progress in industry, Australian Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Australian Standards and related publications will be found in the Standards Australia Catalogue of Publications; this information is supplemented each month by the magazine 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Australian Standards, addressed to the head office of Standards Australia, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

AS 1597.2 Supplement 1—1997

Precast reinforced concrete box culverts

Part 2: Large culverts (from 1500 mm span and up to and including 4200 mm span and 4200 mm height)—Commentary

(Supplement to AS 1597.2—1996)

First published as AS 1597.2 Supplement 1— 1997.

PUBLISHED BY STANDARDS AUSTRALIA
(STANDARDS ASSOCIATION OF AUSTRALIA)
1 THE CRESCENT, HOMEBUSH, NSW 2140

PREFACE

This Commentary was prepared by the Standards Australia Committee CE/26, Precast Reinforced Concrete Box Culverts. It is intended that it be read in conjunction with AS 1597.2—1996, *Precast reinforced concrete box culverts*, Part 2: *Large culverts (from 1500 mm span and up to and including 4200 mm span and 4200 mm height)*, but does not form part of that Standard.

In preparing AS 1597.2, the Committee considered it desirable that only necessary requirements be detailed in the new Standard and that any additional explanations, advice or comments be brought to the attention of the designer and other users of the Standard by this Commentary.

The purpose of this Commentary is as follows:

- (a) To provide background reference material to the clauses of the Standard.
- (b) To indicate the origin of particular requirements.
- (c) To indicate departures from existing codes or Standards for concrete structure design practice.
- (d) To explain the application of certain clauses.

For ease of cross-reference, section numbers, paragraph numbers and titles used in the Commentary are the same as those used in the body of the Standard but are prefixed with the letter C. Figures, however, are designated C1, C2 and the like and do not correspond to those in the Standard.

References noted in the Commentary text are listed at the end of the Commentary.

© Copyright — STANDARDS AUSTRALIA

Users of Standards are reminded that copyright subsists in all Standards Australia publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia. Permission may be conditional on an appropriate royalty payment. Requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia.

Standards Australia will permit up to 10 percent of the technical content pages of a Standard to be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia.

Standards Australia will also permit the inclusion of its copyright material in computer software programs for no royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia at any time.