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AS 1597.2—2013

Australian Standard®

Precast reinforced concrete box culverts

Part 2: Large culverts (exceeding 1200 mm span or 1200 mm height and up to and including 4200 mm span and 4200 mm height)

STANDARDS Australia

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This Australian Standard® was prepared by Committee CE-026, Precast Reinforced Concrete Box Culverts. It was approved on behalf of the Council of Standards Australia on 21 March 2013
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- AUSTROADS
- Australasian Railway Association
- Concrete Pipe Association of Australasia
- Engineers Australia
- National Precast Concrete Association Australia
- University of Sydney

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PREFACE

This Standard was prepared by the Standards Australia Committee CE-026, Precast Reinforced Concrete Box Culverts, to supersede 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)*.

The objective of this Standard is to provide designers, manufacturers, installers and specifiers of culverts with minimum requirements for the design, manufacture and installation of precast reinforced concrete rectangular box culverts of spans up to 4200 mm.

The objective of this revision is to align the Standard with current manufacturing and installation practices as well as governing design codes.

The revised Standard provides for four types of culvert and a range of standard sizes up to and including 4200 mm width and 4200 mm height. Design requirements are based on the AS 5100 series, *Bridge design* and AS 3600, *Concrete structures*.

Where the Standard departs from these Standards, or includes additional requirements in excess of those specified in these Standards, it identifies that the purchaser has the option to adopt the design requirement in this Standard, or to revert back to AS 5100 series or AS 3600 series requirements. Appendix A also contains advice and recommendations on the information that should be supplied by the purchaser at the time of inquiry or order to assist with these design requirements.

Statements expressed in mandatory terms in notes to tables are deemed to be requirements of this Standard.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

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