



Technical Direction

Bridge

BTD 2017/02

Implementation of AS 5100:2017 - *Bridge Design*

Summary:	Audience:
AS 5100:2017 Bridge Design code was published by Standards Australia on 31 March 2017. Roads and Maritime Services is required to implement it for bridgeworks effective from the 1 July 2017.	<ul style="list-style-type: none">• Designers• Regional Managers• Motorway Managers• Project Managers• Industry Partners

Background

AS 5100:2017 Bridge Design code was published by Standards Australia on the 31st of March 2017 and now supersedes the 2004 edition of the Bridge Design code. The supplements to the 2004 edition are now also obsolete.

The implementation date of AS 5100:2017 was not set by Standards Australia and remains subject to the determination of each Road Agency.

Information

An Interim Code for Concrete Design was issued by Roads and Maritime Services in 2011 to replace AS 5100.5:2004 Bridge Design - *Concrete Design*. The Interim code was mandated by Bridge Technical Direction BTD 2011/07.

Approvals:

Owner:	Principal Engineer Bridges	Review Date:	
Authorised by:	GM, Engineering Services	Effective Date:	28/6/2017

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The design and maintenance of all bridges owned or those that will become the property of Roads and Maritime in future must comply with the following:

1. Any project which hasn't commenced detail bridge design prior to 1 July 2017 must adopt AS 5100:2017.
2. Any Design and Construct project where the contract has not been awarded or called prior to 1 July 2017 must adopt AS 5100:2017.
3. Any project where detail bridge design has not proceeded beyond 10% completion prior to 1 July 2017, the Project Manager in consultation with the Principal Engineer Bridge will make a decision whether to adopt AS 5100:2017 or not.
4. Any project where detail bridge design has proceeded beyond 10% completion prior to 1 July 2017 may adopt AS 5100:2004.
5. Any Design and Construct project where the contract has been awarded prior to 1 July 2017 may adopt AS 5100:2004.

Reference: BTD 2011/07