

BRIDGE POLICY CIRCULAR

BPC2004/09

SUBJECT: Policy Circulars made Redundant by AS 5100:2004

No of Drawings Following	0	No of Appendix Sheets Following	0
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Background

Approval to the use of AS 5100:2004 – *Bridge Design* makes some previous RTA design policies redundant.

Current Position

Crack Control in Girders and Slabs

AS 5100:2004 includes explicit requirements for the design of reinforcement for the control of cracking and, in particular, cover the situations of fully restrained slabs and bending in beams. CBE Circular 80/10 is, therefore, redundant.

In interpreting the new Code provisions (AS 5100.5 Section 8 Clause 6 and Section 9 Clause 4) the following must be applied:

- Deck slabs forming part of a continuous composite girder are to be considered as fully restrained and in pure tension over the region of negative bending
- Link slabs are to be considered to be fully restrained and in pure tension
- Deck slabs on Super-T, PSC Plank and similar structures must be considered to be fully restrained in the transverse direction.

The quantity of reinforcement shown in the design must not be less than that shown in the Bridge Section Standard Drawings for that type of deck.

Development Length of Prestressing Strand

The issue described in CBE Circular 96/3 has been corrected in AS 5100.5. Hence the circular is redundant.

500 Grade Steel Reinforcement

AS 5100.5 incorporates the requirements of 500 Grade Steel Reinforcement. BPC 2002/11 is therefore redundant.

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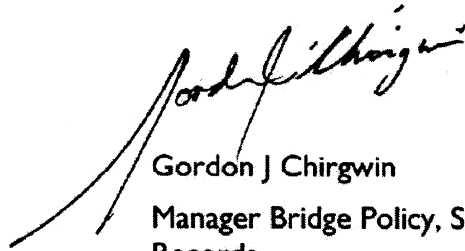
Author's name: Gordon Chirgwin

Author's Phone: 02 8814 2370

Action Required

Circulars CBE 80/10, CBE 96/3 and BPC 2002/11 are withdrawn.

When designing for crack control to AS 5100.5, the interpretation given above must be used. Project Managers and Design Managers must ensure that the provision described above are used.



Gordon J Chirgwin

Manager Bridge Policy, Standards &
Records

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