



## **BRIDGE POLICY CIRCULAR BPC2006/05**

### ***PIPES AND CONDUITS FOR BRIDGEWORKS***

#### **Background**

Changes to Australian Standards require CBE 90/11 to be updated, and it is now cancelled.

#### **Information**

The following pipes and conduits must be used for RTA funded bridgeworks, unless site specific conditions require otherwise:

1. For electrical cables e.g. for lamp standards, embedded in concrete:

Use: DN 80 (AU) HD RIGID PLAIN INSULATING UPVC CONDUIT AND FITTINGS TO AS/NZS 2053.

2. For telecommunication cables and voids in parapets for future services:

Use: DN 100 (AU) HD RIGID PLAIN INSULATING UPVC CONDUIT AND FITTINGS TO AS/NZS 2053.

3. For deck drainage systems and drainage of voids in concrete bridges etc.:

Use: DN \* PVCU DWV SN10 PIPE AND FITTINGS TO AS/NZS 1260.

4. Polyethylene (e.g. DN \* SN 10 SDR 21 PE PIPES TO AS/NZS 5065) or Acrylonitrile-Butadiene-Styrene (ABS) (e.g. SI ABS 120 DN \* PN 12 PIPES TO AS/NZS 3518) pipes should only be used where prolonged exposure to sunlight and pipe flexibility are critical.

\* The nominal size (DN) of the pipe shall be obtained from the service provider or determined by the designer.

5. For larger pipe sizes or where fire resistance or other design criteria apply, consideration should be given to specifying pipes of materials more appropriate to the intended use than those above. Where possible, specifications for such pipes and conduits should refer to the relevant Australian Standard.

Drainage pipes must be provided with rod out points at each change in direction for future maintenance.

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## Action

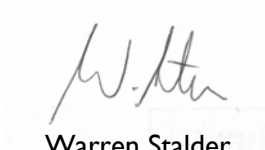
This Policy applies to all RTA funded bridgeworks from the date of signature.

**Reference:** CBE 90/11

**Effective date:** 24/05/2006

**Review date:** 24/05/2009

**Approved:**



**Warren Stalder**

**A/Manager, Bridge Technology**

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