

NEW SOUTH WALES

DEVELOPMENT
CONSTRUCTION
SPECIFICATION

C263

GUIDE POSTS

Amendment Record for this Specification Part

This Specification is Council's edition of the AUS-SPEC generic specification part and includes Council's primary amendments.

Details are provided below outlining the clauses amended from the Council edition of this AUS-SPEC Specification Part. The clause numbering and context of each clause are preserved. New clauses are added towards the rear of the specification part as special requirements clauses. Project specific additional script is shown in the specification as italic font.

The amendment code indicated below is 'A' for additional script 'M' for modification to script and 'O' for omission of script. An additional code 'P' is included when the amendment is project specific.

Amendment Sequence No.	Key Topic addressed in amendment	Clause No.	Amendment Code	Author Initials	Amendment Date
<i>EXAMPLE 1</i>	<i>Provision for acceptance of nonconformance with deduction in Payment</i>	<i>XYZ.00</i>	<i>AP</i>	<i>KP</i>	<i>2/6/97</i>
1	Major Revision as per Aus-Spec Bulletin Board Release 10	All	AMO	SPM	10/4/03
2	Revisions as per Aus-Spec Bulletin Board releases 11 & 12	All	AMO	SPM	10/4/03
3	Measurement and Payment section deleted	263.11	O	SPM	March 04
4	Reference documents	263.02	A	SPM	March 04

SPECIFICATION C263 : GUIDE POSTS

GENERAL

C263.01 SCOPE

1. The work to be executed under this Specification consists of the setting out, supply of all materials and erection of guide posts at the locations shown on the Drawings or as directed by the Superintendent in areas where streetlighting is not provided.

C263.02 REFERENCE DOCUMENTS

1. Documents referenced in this Specification are listed in full below whilst being cited in the text in the abbreviated form or code indicated.

**Documents
Standards
Test Methods**

(a) Council Specifications

C201 - Control of Traffic

(b) Australian Standards

AS 1604.1 - Specification for preservative treatment – Part 1: Sawn and round timber.
AS 1906.2 - Retroreflective devices (non-pavement application).
AS 2082 - Visually stress-graded hardwood for structural purposes.

(c) Road Traffic Authority

RTA Road Design Guide

C263.03 MATERIALS

(a) General

1. Guide posts shall be of timber or, as an alternative, the Superintendent may approve of a proprietary metallic or flexible (driveable or non-driveable) post.

Type

2. The surface of all posts shall have a gloss or semi-gloss white finish. The surface shall be smooth and easily cleaned.

Surface Finish

3. Proprietary posts shall be minimum 1350mm in length and shall have one face of 100mm width.

Dimensions

(b) Timber Posts

1. Timber posts shall be cut from Select Grade hardwood and conform with AS 2082. All surfaces shall be smooth and free from obvious saw marks.

Quality

2. The posts shall be of rectangular cross-section having dimensions of 100mm x 50mm and shall be 1,400mm in length. The tops of the guide posts shall be sloped so that one 100mm edge is 10mm lower than the opposite edge.

Dimensions

(c) Proprietary Posts

1. Where a proprietary metallic or flexible guide post is proposed, the Contractor shall supply details of the proposed guide post including the manufacturer's recommended installation procedure, technical specifications and test certificates for consideration by the Superintendent. The test certification shall address post strength, flexibility, impact and heat resistance and durability. The Superintendent's approval of the submitted details and acceptance of the nominated guide post type and supplier and the approval of Council is required prior to delivery or inclusion in the Works.

(d) Delineators

- 1. Corner-cubed delineators, conforming to AS 1906.2 shall be attached to each post. **Standard**
- 2. The delineators shall be neither less than 80mm nor more than 85mm diameter. **Diameter**

CONSTRUCTION

C263.04 GENERAL

- 1. The Contractor shall at all times conform to the requirements of the Specification for CONTROL OF TRAFFIC. **Traffic Control**
- 2. Where the shoulder is in embankment or at natural surface level, the guide posts shall be placed near the outer edge of the shoulder and at a uniform distance, minimum 1m, from the pavement edge line. Where the shoulder is located in a cutting, the guide posts shall be placed on the road pavement side of the table drain, and minimum 1m from the pavement edge line, in such a manner as not to impede the flow of water in the drain. **Positioning**
- 3. Guide posts shall be erected at the locations shown on the Drawings. **Location**
- 4. Underground services laid in proximity to the guide posts shall be located prior to erection of posts, all care shall be taken not to damage such services. **Underground Services**

C263.05 PROTECTIVE TREATMENT OF TIMBER GUIDE POSTS

- 1. The portion of the guide post below ground level shall be treated with creosote, such that the penetration and retention of creosote preservative conforms with the requirements for minimum Hazard Class H4 treatment in accordance with AS 1604.1. **Creosote**
- 2. All timber above ground level shall be painted with pink primer and any holes, cracks, or other surface imperfections in the timber, shall be stopped with white putty. This work shall be followed by painting with a white undercoat and a white enamel finishing coat. **Painting**
- 3. Painted surfaces shall be thoroughly dry before the second coat is applied. Paints shall be handled and applied in accordance with the manufacturer's directions. **Dry Surfaces**
- 4. All paints shall be of the best quality, durable and suitable for exterior application on timber surfaces. **Paint Quality**

C263.06 ERECTION OF GUIDE POSTS

- 1. Guide posts shall be set vertically in the ground to a depth of approximately 500mm. In order to offset shoulder irregularities this depth shall be varied so as to give **Details**

uniform display of guide posts to a height of approximately 900mm above ground level, with the tops evenly graded. Each guide post shall be erected with the 100mm axis at right angles to the centre line of the road.

2. Allowance shall be made in the height of guide posts above the ground for the effects of superelevation and other road geometry in order to keep the guide posts within the range of the beam of vehicle headlights.

***Vertical
Alignment***

3. Backfilling shall be compacted in layers of depth not more than 150mm for the full depth of the guide posts up to ground level. The density of the compacted backfilling shall not be less than that of the adjacent undisturbed ground. Guide posts shall be firm in the ground to the satisfaction of the Superintendent.

Backfilling

4. Proprietary guide posts, when installed in the ground in accordance with the recommendations of the manufacturer, shall resist overturning, twisting and displacement from wind and impact forces.

***Proprietary
Guide Posts***

5. All necessary steps shall be taken to prevent people and stock from stepping into the post holes during the erection of the guide posts.

***Contractor's
Responsibility***

C263.07 DELINEATORS

1. 'Corner Cubed' delineators, complying with AS 1906.2, shall be attached to each guide post using one way, anti-theft screws. In the case of proprietary posts, the delineators shall be glued or otherwise fastened to the post in such a manner that they are not dislodged or rendered inactive under vehicular impact.

Fixing

2. The delineators shall be mounted so that the top of the reflector is 50mm below the top of the guide post.

Position

3. The delineators shall be so arranged that drivers approaching from either direction will see only red delineators on their left side and white delineators on their right side.

Arrangement

SPECIAL REQUIREMENTS

C263.08 RESERVED

C263.09 RESERVED

C263.10 RESERVED

C263.11 DELETED

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