



Construction Specification for Civil Works

C263 – Guide Posts

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GENERAL

C263.01 SCOPE

This Specification is for the setting out, supply of all materials and erection of guide posts at the locations shown on the approved design drawings or as directed by the ARC Representative in areas where street lighting is not provided.

C263.02 DEFINITIONS

The Works – Defined as follows:

- **Developer Infrastructure Works** - work includes subdivisions and any public infrastructure work associated with an approved Development in the ARC local government area requiring a construction certificate.
- **Contracted Works** – infrastructure work undertaken by a Principal Contractor or subcontractor formally appointed by ARC and supervised by ARC.
- **Internal Works** - infrastructure work undertaken by ARC’s day labour workforce.

The Works

Constructor – Defined as the organisation responsible for construction of the Works and the Principal Contractor as defined in the *Work Health and Safety Act 2011*.

Constructor

ARC Representative – Defined as follows:

- **Developer Infrastructure Works** – Nominated ARC officer(s) for the approved Development.
- **For Contracted Works** – the Superintendent.
- **For Internal Works** – ARC Asset Owner.

ARC Representative

Constructor’s Representative – Defined as follows:

- **Contracted Works** – the Principal Contractor’s nominated representative as per the relevant contract.
- **Internal Works** – ARC officer responsible for delivery.

Constructor’s Representative

Developer’s Representative– Defined as the person or organisation appointed by the Developer to administer the Constructor responsible for the delivery of Developer Infrastructure Works.

Developer’s Representative

C263.03 REFERENCE DOCUMENTS

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

Where not otherwise specified in the relevant Armidale Regional Council (ARC) Construction Specifications or the approved design drawings, the Constructor shall use the latest versions of the Reference documentation, including amendments and supplements, listed in the ARC Construction Specifications at the time of the Works approval.

Currency

(a) Armidale Regional Council (ARC) Specifications

C201 - Control of Traffic.

ARC Specifications

(b) Australian Standards

References in this Specification or on the approved design drawings to Australian Standards are noted by their prefix AS or AS/NZS.

Australian Standards

AS 1742.2 - Manual of uniform traffic control devices. Part 2: Traffic control for general use.

AS 1906.2 - Retroreflective materials and devices for road traffic control purposes. Part 2 - Retroreflective devices (non-pavement application).

(c) Transport for NSW (TfNSW) Publications

TfNSW QA Specification 3411 – Supply of Guide Posts.

**TfNSW
Publications**

TfNSW Supplement to Australian Standard AS 1742.2

RMS Delineation Guide – Section 16 Guide Posts.

C263.04 MATERIALS

(a) Proprietary Posts

Guide posts shall be a proprietary metallic or flexible (driveable or non-driveable) post must comply with the TfNSW QA Specification 3411. Timber guide posts are not acceptable.

Type

Where a proprietary metallic or flexible guide post is proposed, the Constructor shall supply details of the proposed guide post as required by the current version of TfNSW QA Specification 3411. This shall include the manufacturer's recommended installation procedure, technical specifications and test certificates for consideration by the ARC Representative. The test certification shall address post strength, flexibility, impact and heat resistance and durability. The ARC Representative's approval of the submitted details and acceptance of the nominated guide post type and supplier is required prior to delivery or inclusion in the works.

(b) Delineators

Proposed delineators must conform with the specifications of TfNSW QA Specification 3411.

Conformance

CONSTRUCTION

C263.05 GENERAL

The Constructor shall at all times conform to the requirements of *C201 - Control of Traffic*.

Traffic Control

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 a minimum 1m from the pavement edge line, in such a manner as not to impede the flow of water in the drain. If doubt around the correct positioning occurs, reference to *AS 1742.2* shall be made.

Positioning

Guide posts shall be erected at the locations shown on the approved design drawings.

Location

Underground services laid in proximity to the guide posts shall be located prior to erection of posts and all care shall be taken not to damage such services.

**Underground
Services**

C263.06 ERECTION OF GUIDE POSTS

Guide posts shall be set vertically in the ground to a depth in accordance with *TfNSW QA Specification 3411* or as recommended by the manufacturer. In order to offset shoulder irregularities, this depth shall be varied so as to give uniform display of guide posts to a height of approximately 1000mm 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.

Details

Guide posts may be driven in accordance with the manufacturer's recommended installation procedure. Where driving is not recommended, guide posts are to be installed in natural ground inside excavated holes which are subsequently backfilled and compacted with the excavated material around the guide posts.

Installation

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 ARC Representative and/or Developer's Representative (for Developer Infrastructure Works).

Backfilling

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**

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

**Constructor's
Responsibility**

The nominated position of the guide posts shall be installed within the following tolerances:

- Within 3° of vertical.
- Within 25mm of the nominated height (nominally 1000mm).
- Within 200mm of the longitudinal design spacing.
- Within 100m of the transverse design position.

C263.07 DELINEATORS

Delineators must be affixed to the guide post conforming to the requirements of *TfNSW QA Specification 3411*. In the case of proprietary posts, the delineators shall be fastened to the post in such a manner that they are not dislodged or rendered inactive under vehicular impact.

Fixing

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

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