

TRUNK ROAD INFRASTRUCTURE TECHNICAL SPECIFICATION No. 15

ROAD FURNITURE



ACT
Government

Territory and Municipal Services

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PREFACE

The Australian Capital Territory has adopted the Austroads Guides for provision and management of road and transport infrastructure. The Territory and Municipal Services Directorate has issued a revised series of documents to reflect this development in infrastructure standards and specifications for practice in the ACT.

This present document is part of the ACT Trunk Road Infrastructure Technical Specifications (TRITS) series spanning the broad scope of road infrastructure development and management in the ACT:

- TRITS 01 – Roadworks
- TRITS 02 – Earthworks
- TRITS 03 – Underground Services
- TRITS 04 – Flexible Pavements
- TRITS 05 – Rigid Pavements
- TRITS 06 – Kerbs and Footpaths
- TRITS 07 – Segmental Paving
- TRITS 08 – Incidental Works
- TRITS 09 – Landscape
- TRITS 10 – Bridges and Related Structures
- TRITS 11 – Pavement Marking
- TRITS 12 – Street Lighting
- TRITS 13 – Traffic Signals
- TRITS 14 – Road Signs
- TRITS 15 – Road Furniture

This ACT Trunk Road Infrastructure Technical Specification No.15 – ROAD FURNITURE prescribes the detailed practices for installation of road furniture in the ACT. It is issued to clarify any exceptions or additional requirements for implementation in the ACT, and to identify relevant complementary documents.

In many areas of road infrastructure construction and management, the ACT has adopted the relevant specifications of the NSW Roads and Maritime Services (formerly RTA NSW). The relevant RMS documents are identified and referenced in these ACT Trunk Road Infrastructure Technical Specifications.

The works must be carried out according to the referenced RMS specifications with the exception of items detailed in the Technical Exception Clauses.

Where any differences in practice exist between the RMS Specifications and this Trunk Road Infrastructure Technical Specification, the latter will prevail.

The ACT Government replaces RMS where applicable as the Road Authority. ACT replaces NSW where applicable as the place where the work is conducted. Equivalent ACT authorised organisations and legislation replace NSW's where applicable. Roads ACT's authorised representative is equivalent to RMS's principal.

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I INTRODUCTION

The works covered by this Section of the Specification comprise the supply and installation of guide posts and the construction of safety barrier systems, including safety barriers, terminals, transitions, and delineation. The work to be carried out under this Specification does not include construction of clear areas behind safety barrier systems.

The Australian Capital Territory has adopted the NSW Roads and Maritime Services (RMS - formerly RTA NSW) specifications for installation of roadside furniture. These works must be carried out according to the referenced RMS specifications with the exception of items detailed below.

The ACT Government replaces RMS where applicable as the Road Authority. ACT replaces NSW where applicable as the place where the work is conducted. Equivalent ACT authorised organisations and legislation replace NSW's where applicable.

Guide posts and safety barrier systems shall be erected at the locations specified using the type shown on the Drawings.

2 REFERENCE DOCUMENTS

2.1 LEGISLATIVE DOCUMENTS

2.2 GUIDELINES

RTA G35	Environmental Protection (Management Plan)
RTA G36	Environmental Protection (Management System)

2.3 RELATED TECHNICAL SPECIFICATIONS

AS 1012.1	Sampling of Fresh Concrete
AS 1012.8	Method for Making and Curing Concrete Compression, Indirect Tensile and Flexure Test Specimens, in the Laboratory or in the Field
AS 1012.9	Method for the Determination of the Compressive Strength of Concrete Specimens
AS 1111	ISO Metric Hexagon Commercial Bolts and Screws
AS 1112	ISO Hexagon Nuts, Including Thin Nuts, Slotted Nuts And Castle Nuts
AS 1143	High Temperature Creosote for the Preservation of Timber
AS 1163	Structural Steel - Hollow Sections
AS 1214	Hot Dip Galvanised Coatings on Threaded Fasteners
AS 1252	High Strength Steel Bolts with Associated Nuts and Washers for Structural Engineering
AS 1304	Welded Wire Reinforcing Fabric for Concrete
AS 1311	Steel tendons for Pre-stressed Concrete –7- Wire Stress Relieved Steel Strand
AS 1379	The Specification for the Manufacture of Concrete
AS 1442	Hot-rolled Carbon Steels and Carbon-Manganese Steels
AS 1554	Code for Welding in Building
AS 1594	Hot-rolled Steel Flat Products
AS 1604	Timber – Preservative Treated – Sawn and Round
AS 1627.1	Degreasing of Metal Surfaces
AS 1627.4	Abrasive Blast Cleaning of Steel Surfaces
AS 1627.5	Pickling Steel Surfaces
AS 1742	Manual of Uniform Traffic Control Devices
AS 1742.2	Traffic Control Devices for general use
AS 1743	Road Signs
AS 1744	Standard Alphabets for Road Signs
AS 1906.1	Retroreflective Materials and Devices for Road Traffic Control Purposes Markers (retroreflective and non)
AS 1906.2	Retroreflective Devices (non pavement applications)
AS 2009	Glass Beads for Traffic Markings
AS 2082	Visually Stress-Graded Hardwood for Structural Purposes
AS 3569	Steel wire ropes
AS 3600	Concrete structures
AS 3610	Formwork for concrete
AS 3679	Structural steel

AS 3750.9	Paints for steel structures - Organic zinc-rich primer
AS 3750.16	Paints for steel structures - Waterborne primer and paint for galvanized, zinc / aluminium alloy-coated and zinc-primed steel
AS 3799	Liquid membrane-forming curing compounds for concrete
AS 3845	Road safety barrier systems
AS 3972	Portland and blended cements
AS 4680	Hot-dip galvanised (zinc) coatings on fabricated ferrous articles

3 GUIDE POSTS

Guide Post delivery and construction shall be according to **RMS R131**.

Supply of timber guide posts shall be according to **RMS 3411**.

Supply of non-timber guide posts shall be according to **RMS 3412**.

4 NON RIGID SAFETY BARRIER SYSTEMS

Delivery and construction of non-rigid safety barrier systems shall be according to **ACT edited RMS R132**.

5 RIGID SAFETY BARRIERS

Delivery and construction of rigid safety barrier systems shall be according to **ACT edited RMS R132**.

6 REFERENCES

Roads & Maritime Services 2009, *QA Specification 3411: Supply of guide posts (timber)*, RMS, Sydney, NSW.

Roads & Maritime Services 2009, *QA Specification 3412: Supply of guide posts (non-timber)*, RMS, Sydney, NSW.

Roads & Maritime Services 2009, *QA Specification R131: Guide posts*, RMS, Sydney, NSW.

Roads & Maritime Services 2012, *QA Specification R132: Safety barrier systems*, RMS, Sydney, NSW.

7 STANDARD DRAWINGS