

# TRUNK ROAD INFRASTRUCTURE TECHNICAL SPECIFICATION No. 11

Trunk Road Infrastructure Technical Specification No. 11  
**PAVEMENT MARKING**



**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.11 – PAVEMENT MARKING prescribes the detailed requirements for materials and application of linemarking 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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## 1 INTRODUCTION

The work covered by this Specification comprises the eradication of linemarking, the supply and application of road marking paint, pliant polymer (tapes and sheet material), spherical glass beads and raised pavement markers and the maintenance and/or reinstatement of existing pavement marking works where required.

## 2 REFERENCE DOCUMENTS

### 2.1 LEGISLATIVE DOCUMENTS

### 2.2 RELATED TECHNICAL SPECIFICATIONS

#### 2.2.1 RMS (RTA) Specifications

RTA 3353	Glass beads (for Application to Road Marking Materials).
RTA 3359	Profile Thermoplastic Roadmarking Material.
RTA 3360	Two part Cold Applied Roadmarking Material.
RTA T805	Non-volatile Content of Paint
RTA T806	Density of Paints
RTA T807	Fineness of Paint (Sieve Test)
RTA T808	Consistency of Paint by Flow Cup
RTA T815	Soluble Lead Content of Paints (Gravimetric Method)
RTA T820	Thinning or Mixing Properties of Thinners with Paints
RTA T821	No Pick-up-Time of Road Marking Paints
RTA T833	Application Properties of Paint by Brushing or Spraying Conventional and Airless
RTA T841	Field Measurement of Wet Film Thickness of Road Marking Paint
RTA T852	Degree of Settling of Paint
RTA T1203	Refractive Index (R.I.) of Glass Beads
RTA T1205	Flow Properties of Spherical Glass Beads
RTA T1207	Roundness (Shape) of Glass Beads
RTA T1208	Measurement of Rate of Application of Spherical Glass Beads

#### 2.2.2 Standards

AS 1742	Manual of Uniform Traffic Control Devices
AS 1906.1	Retro-reflective materials and devices for road traffic control purposes
AS 1906.3	Raised Pavement Markers (retro-reflective and non retroreflective).
AS 2009	Glass beads for traffic markings
AS 2445	Methods of sampling and testing retroreflective materials and devices for road traffic control purposes.
AS 2700	Colour standards for general purposes
AS 3554	Adhesives for raised pavement markers
AS 4049.2	Thermoplastic road marking materials
AS 4049.3	Paints and related materials - Road marking materials - Waterborne paint - For use with drop-on beads

ASTM D638-76 Standard test method for tensile properties of plastics

## 3 TESTING

A Testing Authority shall be employed by the Contractor to carry out all testing. The Authority shall hold a current NATA (National Association of Testing Authorities). Registration for the relevant tests, and a copy of results shall be forwarded to the Superintendent without delay.

## 4 PAVEMENT MARKING

Pavement Marking shall be according to **ACT edited RMS R141**.

## 5 RAISED PAVEMENT MARKERS

Pavement Marking shall be according to **RMS R142**.

## **6 REDUNDANT PAVEMENT MARKINGS**

Management of redundant pavement markings shall be according **ACT edited RMS R141**.

## **7 PROVISION FOR TRAFFIC AND PROTECTION OF THE WORK**

Management of Traffic and Protection of works shall be according to **TRITS 01: Road Works**.

## **8 REFERENCES**

ACT Government, Trunk Road Infrastructure Technical Specifications, ACT Government, Canberra, ACT.

Roads & Maritime Services 2011, *QA Specification R141: Pavement marking*, RMS, Sydney, NSW.

Roads & Maritime Services 2011, *QA Specification R142: Retroreflective raised pavement markers*, RMS, Sydney, NSW.

## **9 STANDARD DRAWINGS**

STD – 01	Linemarking Types
STD – 02	Pavement Messages
STD – 03	Miscellaneous Details