

TRUNK ROAD INFRASTRUCTURE TECHNICAL SPECIFICATION No. 06

CONCRETE KERBS FOOTPATHS and MINOR WORKS



ACT
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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. 06 - CONCRETE KERBS FOOTPATHS AND MINOR WORKS prescribes the detailed requirements for constructing these elements 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.

CONTENTS

PREFACE.....	3
CONTENTS.....	4
1 INTRODUCTION	5
2 REFERENCE DOCUMENTS	5
2.1 LEGISLATIVE DOCUMENTS.....	5
2.2 GUIDELINES.....	5
2.3 RELATED TECHNICAL SPECIFICATIONS.....	5
2.3.1 Guide to the RMS Specifications	5
2.3.2 Relevant Specifications	5
2.3.3 Material Specifications	5
2.3.4 Australian Standards	6
2.3.5 RMS Test Methods.....	6
3 KERBS AND GUTTERS.....	6
4 CONCRETE (FOR GENERAL USE), MORTAR AND GROUT	6
5 GENERAL CONCRETE PAVING.....	6
6 REFERENCES.....	6
7 STANDARD DRAWINGS.....	6

I INTRODUCTION

The works covered in this Specification comprise the construction of Portland cement pavements.

Each referenced RMS specification contains a more detailed scope statement.

2 REFERENCE DOCUMENTS

Reference documents include Austroads Guides, Australian Standards and RMS Specifications.

2.1 LEGISLATIVE DOCUMENTS

2.2 GUIDELINES

Part 1:	Introduction to Pavement Technology
Part 2:	Pavement Structural Design
Part 3:	Pavement Surfacing
Part 4:	Pavement Materials
Part 4A:	Granular Base and subbase
Part 4B:	Asphalt
Part 4C:	Materials for concrete road pavements
Part 4D:	Stabilised materials
Part 4F:	Bituminous binders
Part 4G:	Geotextiles and geogrids
Part 4H:	Test methods
Part 4I:	Earthworks materials
Part 4J:	Aggregate and source rock
Part 4K:	Seals
Part 4L:	Stabilising binders
Part 5:	Pavement Evaluation and Treatment Design
Part 6:	Unsealed pavements
Part 7:	Pavement maintenance
Part 8:	Pavement Construction Assurance
Part 9:	Pavement work practice
Part 10:	Surface drainage
Supplementary	

Documents

RMS Pub.11.050	RMS Austroads Guide Supplements – Supplement to the Austroads Guide to Pavement Technology Part 2: Pavement Structural Design
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2.3 RELATED TECHNICAL SPECIFICATIONS

2.3.1 Guide to the RMS Specifications

CR082	<u>Guide to QA Specification R82</u>
CR083	<u>Guide to QA specifications R83 and R84</u>
NG36	<u>Guide to Roads and Maritime Services (replacing Roads and Traffic Authority) QA Specification G36 – Environmental Protection</u>

2.3.2 Relevant Specifications

RMS 44	Earthworks
RMS 53	<u>Concrete Mortar and Grout</u>
RMS 15	<u>Kerbs and Gutters</u>
RMS 173	<u>General Concrete paving</u>

2.3.3 Material Specifications

RMS 3204	Preformed Joint Fillers for Concrete Road Pavements
RMS 3211	<u>Cements, Binders and Fillers</u>

2.3.4 Australian Standards

Relevant Australian standards are listed in the RMS specifications.

AS 1428.4	Design for Access and Mobility – Tactile Indicators
AS 3958.1	Ceramic Tiles – Guide to Installation
AS 1012	Methods of testing concrete
AS 1311	Steel tendons for prestressed concrete
AS 1379	Specification and supply of concrete
AS 1554.3	Structural steel welding
AS 2758.1	Aggregates and rocks for engineering purposes – Concrete aggregates
AS 3610	Formwork for concrete
AS 3799	Liquid membrane-forming curing compounds for concrete
AS/NZS 4671	Steel reinforcing materials
AS/NZS 4680	Hot dipped galvanised (Zinc) coatings on fabricated ferrous articles
AS/NZS ISO 9001	Quality Management Systems
AS 2876	Concrete kerbs and channels (gutters) Manually or machine placed
SAA HB67	Concrete Practice on Building Sites
SAA HB79	Alkali Aggregate reaction

2.3.5 RMS Test Methods

Relevant test methods are listed in the RMS specifications.

RMS T109	Plastic limit and Plasticity Index of Road Materials
RMS T166	Determination of relative Compaction
RMS T182	Pavement Surface Roughness
RMS T187	Laser Based Profilometer
RMS T188	Project Ride Quality
RMS T192	Texture depth using TRL meter
RMS T240	Texture depth of Coarse Textured Road Surfaces
RMS T1004	Quantitative determination of Chloride Ion in Water where chloride content is more than 15 ppm
RMS T1014	Quantitative determination of Sulfate Ion in Water
RMS T1015	Microbiology of Water used in Roadworks

3 KERBS AND GUTTERS

Kerb and gutter construction must be according to [RMS R15](#).

4 CONCRETE (FOR GENERAL USE), MORTAR AND GROUT

Concrete (for general use), mortar and grout construction must be according to [RMS R53](#).

5 GENERAL CONCRETE PAVING

General concrete paving construction must be according to [RMS R173](#).

6 REFERENCES

Roads & Maritime Services 2003, *QA Specification R173: General concrete paving*, RMS, Sydney, NSW.

Roads & Maritime Services 2009, *QA Specification R53: Concrete (for general use, mortar and grout)*, RMS, Sydney, NSW.

Roads & Maritime Services 2010, *QA Specification R15: Kerbs and gutters*, RMS, Sydney, NSW.

7 STANDARD DRAWINGS