

**MANUAL**  
**OF**  
**TRAFFIC SIGNS**  
**AND**  
**MARKINGS**

***PART 2 - MARKINGS***

**Update August 2010**

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# IMPORTANT NOTES FOR THE READER

## DOCUMENT STATUS

This document has the status of a Standard for state highways.

## DISCLAIMER

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This manual is updated on a regular basis.

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## RECORD OF AMENDMENTS

Amendment	Amendment Date	Updated By	Date
1	November 1994	Edition 3 corrections	-
2	February 1997	Interim Update - new Railway Crossings Signs and Markings added	-
3	September 1998	'RAIL X' Marking amended.	-
4	October 1999	Profiled Line Markings added.	-
5	September 2000	Markings for Passing Lanes amended.	-
6	March 2003	Lane Arrow diagrams amended.	-
7	May 2003	Chevron Sight Board text and diagrams amended, editorial corrections to Figures 4.10, 4.12 and 4.18.	-
8	July 2004	Reprint complete manual to incorporate all amendments to date plus further editorial corrections and amendments.	-
9	November 2004	Section 5.04: Line colour corrected	-
10	August 2007	Corrected to current legislation and practice	
11	July 2008	Guidelines for Cycling Facilities updated	
12	June 2009	Limit lines and other details updated	
13	February 2010	ATP Section, Merge markings, updated	
14	August 2010	Roundabout approach markings	

# ARRANGEMENT OF THE MANUAL

The Manual of Traffic Signs and Markings (MOTSAM) is divided into three parts which are presented separately. These are:

- **MOTSAM Part I: Traffic Signs**
- **MOTSAM Part II: Markings**
- **MOTSAM Part III: Motorways and Expressways (Now labelled as TCDM Part 10)**

**PART II** is subdivided into the following sections:

- SECTION 1: INTRODUCTION**
- SECTION 2: NON INTERSECTION PAVEMENT MARKINGS**
- SECTION 3: INTERSECTION PAVEMENT MARKINGS**
- SECTION 4: MISCELLANEOUS PAVEMENT MARKINGS**
- SECTION 5: DELINEATION AND HAZARD MARKERS**

Every page heading indicates the specific part, section title, page number and issue date. Page numbers within each section are sequential and are prefixed by the respective section number.

The table of contents indicates the current manual content and the issue date of all pages. It should also be noted that the sign references in this manual relate to signs described in *MOTSAM PART I* and are totally unrelated to those given in the *Land Transport Rule: Traffic Control Devices 2004*.

## ABBREVIATIONS USED IN THE MANUAL

<b>AUSTROADS</b>	- Association of Australian and New Zealand road transport and traffic authorities.
<b>MOT</b>	- Ministry of Transport
<b>RTS</b>	- Road and Traffic Standards
<b>TNZ</b>	- Transit New Zealand (now New Zealand Transport Agency)
<b>AADT</b>	- Annual Average Daily Traffic
<b>CBD</b>	- Central Business District
<b>des.</b>	- Desirable
<b>Fig.</b>	- Figure
<b>min.</b>	- Minimum
<b>max.</b>	- Maximum
<b>NZS</b>	- New Zealand Standard
<b>Refl.</b>	- Reflectorised
<b>RPM</b>	- Raised Pavement Marker
<b>RRPM</b>	- Reflective Raised Pavement Marker
<b>Sec.</b>	- Section
<b>vpd</b>	- Vehicles Per Day

# TERMINOLOGY USED IN THE MANUAL

## INTERPRETATION:

In this manual the words '*shall*', '*must*', '*should*' and '*may*' have the following meanings:

- |                      |  |
|----------------------|--|
| <b>SHALL or MUST</b> | - Indicates that the statement is mandatory, ie. it is defined by legislation or NZTA policy, eg. Hazard Markings.   |
| <b>SHOULD</b>        | - Indicates that the statement is a recommendation, ie. it is non-mandatory, and that it is good practice which is supported by relevant guidelines and current practice.                          |
| <b>MAY</b>           | - Indicates an option that is non-mandatory and has no recommendation but is considered good practice which can be varied in differing situations or by local road controlling authority practice. |

## ROAD TYPE:

- |                            |  |
|----------------------------|--|
| <b>URBAN ROAD</b>          | - A road with a posted speed limit of 70 km/h or less.                       |
| <b>RURAL ROAD</b>          | - A road with a posted speed limit greater than 70 km/h.                     |
| <b>URBAN STATE HIGHWAY</b> | - A designated state highway with a posted speed limit of 70 km/h or less.   |
| <b>RURAL STATE HIGHWAY</b> | - A designated state highway with a posted speed limit greater than 70 km/h. |

## GENERAL:

- |                                |  |
|--------------------------------|--|
| <b>FINE TEXTURED SURFACE</b>   | - A smooth road surface such as concrete, slurry seal, asphaltic concrete or friction coarse.  |
| <b>COARSE TEXTURED SURFACE</b> | - A rough road surface such as chip seal.  |
| <b>FLUSH</b>                   | - With respect to ' <i>flush traffic islands</i> ' or ' <i>flush medians</i> ', islands or medians that are marked on the road surface with paint, thermoplastic, adhesive markings or other such materials. |
| <b>RAISED</b>                  | - With respect to ' <i>raised traffic islands</i> ' or ' <i>raised medians</i> ', islands or medians that are kerbed, grassed or otherwise with their top surface higher than the adjacent road surface.     |