



Manual of uniform traffic control devices

Part 12: Bus, transit, tram and truck lanes



This Australian Standard® was prepared by Committee MS-012, Road Signs and Traffic Signals. It was approved on behalf of the Council of Standards Australia on 20 February 2017.

This Standard was published on 10 May 2017.

The following are represented on Committee MS-012:

- ARRB Group—Australian Road Research Board
 - Association of Consultants in Access Australia
 - Australian Automobile Association
 - Australian Industry Group
 - Australian Motorcycle Council
 - Austroads (Representative from VicRoads)
 - Department of Planning, Transport and Infrastructure, SA
 - Department of Transport and Main Roads, Qld
 - Department of Lands, Planning and the Environment, NT
 - Department of Territory and Municipal Services ACT
 - Institute of Public Works Engineering Australasia
 - Main Roads Western Australia
 - Rail Industry Safety and Standards Board
 - Roadmarking Industry Association of Australia
 - Roads and Maritime Services, NSW
-

This Standard was issued in draft form for comment as DR AS 1742.12:2016.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

Keeping Standards up-to-date

Australian Standards® are living documents that reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting www.standards.org.au

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.org.au, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

Australian Standard®

Manual of uniform traffic control devices

Part 12: Bus, transit, tram and truck lanes

Originated as AS CE1—1960.
Previous edition AS 1742.12—2000.
Third edition AS 1742.12:2017.

COPYRIGHT

© Standards Australia Limited

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968.

Published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 978 1 76035 748 1

PREFACE

This Standard was prepared by the Standards Australia Committee MS-012, Road Signs and Traffic Signals, to supersede AS 1742.12—2000.

The AS 1742 series comprises the following Standards:

AS

1742	Manual of uniform traffic control devices
1742.1	Part 1: General introduction and index of signs
1742.2	Part 2: Traffic control devices for general use
1742.3	Part 3: Traffic control devices for works on roads
1742.4	Part 4: Speed controls
1742.5	Part 5: Street name and community facility name signs
1742.6	Part 6: Tourist and services signs
1742.7	Part 7: Railway crossings
1742.9	Part 9: Bicycle facilities
1742.10	Part 10: Pedestrian control and protection
1742.11	Part 11: Parking controls
1742.12	Part 12: Bus, transit, tram and truck lanes (this Standard)
1742.13	Part 13: Local area traffic management
1742.14	Part 14: Traffic signals
1742.15	Part 15: Direction signs, information signs and route numbering

Principal variations from the 2000 edition are as follows:

- (a) Inclusion of 'Tram ONLY' lane which is reserved for the use of trams only.
- (b) Updated transit lane signs.
- (c) Additional requirements on truck prohibitions signs.

The relationship between Australian Standards and publications produced by Austroads should be noted. The former provides specifications and procedures that ensure that products and services are safe and reliable, and consistently perform the way they are intended. Austroads provides guidance documents that deal with the design, construction maintenance and operation of the road network. Austroads documents are also used by road authorities in New Zealand.

In cases of similar subject matter, this is dealt with across both sets of documents. Where this occurs, each document aims to provide information that is consistent, complimentary and supportive of the other.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

CONTENTS

	<i>Page</i>
1 SCOPE	4
2 OBJECTIVE	4
3 REFERENCED DOCUMENTS	4
4 DEFINITIONS	4
5 SIGNS	5
6 PAVEMENT MARKINGS	13
7 APPLICATION OF SIGNS AND MARKINGS	17
 APPENDICES	
A ILLUMINATION AND REFLECTORIZATION OF SIGNS	25
B INSTALLATION AND LOCATION OF SIGNS	26
C SIGN SIZE SELECTION	29

STANDARDS AUSTRALIA

Australian Standard

Manual of uniform traffic control devices

Part 12: Bus, transit, tram and truck lanes

1 SCOPE

This Standard specifies the traffic control devices required to designate traffic lanes as bus lanes, bus only lanes, transit lanes, tram lanes, tram only lanes or truck lanes. It also specifies devices for the control or prohibition of truck or bus traffic where required on roadways.

2 OBJECTIVE

The objective of this Standard is to provide road authorities with a set of standards for the uniform application of signs and pavement markings for the regulation of transit lanes, and bus, tram and truck traffic.

3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard.

AS

1742 Manual of uniform traffic control devices

1742.2 Part 2: Traffic control devices for general use

1743 Road signs—Specifications

2700 Colour standards for general purposes

AS/NZS

1906 Retroreflective materials and devices for road traffic control purposes

1906.1 Part 1: Retroreflective materials

4 DEFINITIONS

For the purpose of this Standard the definitions below apply.

4.1 Bus lane

A lane reserved for the use of buses and other vehicles as specified in regulations.

4.2 Bus only

A lane or a section of roadway reserved for the exclusive use of buses.

4.3 High occupancy motor car symbol

A symbol showing two or three people in a motor car, as shown on Signs R7-7-7 and R7-7-8.

4.4 May

Indicates the existence of an option.

4.5 Road Rules

Australian Road Rules enacted as a regulation in each jurisdiction.

4.6 Shall

Indicates that a statement is mandatory.

4.7 Should

Indicates a recommendation.

4.8 Traffic control device

Any sign, signal, pavement marking or other installation placed or erected by or with the consent of an authority having the necessary jurisdiction, for the purpose of regulating, warning or guiding road users.

4.9 Tram lane

A lane reserved for the use of trams and other vehicles as specified in regulations.

4.10 Tram only

A lane or a section of roadway reserved for the exclusive use of trams, which may be referred to as a tramway.

4.11 Transit lane

A lane reserved for the use of high occupancy and other vehicles as specified in regulations.

4.12 Truck lane

A lane reserved for the use of trucks and other heavy vehicles as specified in regulations.

5 SIGNS

5.1 General

Signs used to designate bus, transit, tram and truck lanes are listed in Table 1. For detailed specifications for the manufacture of signs, see AS 1743.

Signs that are intended to convey messages at night shall be either illuminated or reflectorized so that their colours and shapes are displayed by night as by day.

NOTES:

- 1 For guidance on illumination and reflectorization, see Appendix A.
- 2 For guidance on the installation and location of signs, see Appendix B.
- 3 Guidance on the selection of sign sizes is given in Appendix C.

TABLE 1
SIGNS USED FOR BUS, BUS ONLY, TRANSIT, TRAM,
TRAM ONLY AND TRUCK LANES

Sign	Sign number	Size, mm
Buses prohibited	R6-10-1	600 × 600
Trucks prohibited	R6-10-2	900 × 900
		1200 × 1200
Advanced buses prohibited	G9-87-1	600 × 600
Advanced trucks prohibited	G9-87-2	900 × 900
		1200 × 1200
Bus LANE	R7-1-1	600 × 800
Truck LANE	R7-1-3	900 × 1200
Tram LANE	R7-1-5	1200 × 1600
Transit LANE T2	R7-7-1	
Transit LANE T3	R7-7-2	

(continued)

TABLE 1 (continued)

Sign	Sign number		Size, mm
Supplementary plates:			
AHEAD	R7-2	} C	600 × 200
END	R7-4		900 × 300
			1200 × 400
RIGHT LANE	R7-3(R)	} C	600 × 400
Overhead arrow	R7-5		900 × 600
			1200 × 800
Bus ONLY	R7-8	} C	600 × 800
			900 × 1200
			1200 × 1600
END T2 TRANSIT LANE	R7-9-1	} C	600 × 600
END T3 TRANSIT LANE	R7-9-2		900 × 900
			1200 × 1200
Tram ONLY	R7-10	} C	600 × 800
			900 × 1200
Crossing arrow supplementary plates:			
Both ways	R7-11-1	} C	600 × 200
One way left	R7-11-2		900 × 300
One way right	R7-11-3		1200 × 400
× km AHEAD	R7-12	} C	600 × 400
			900 × 600
			1200 × 800
MERGE LEFT	G9-73 (L)	AA	600 × 600
Times of operation modules*			
One period	R9-1-1	} B	600 × 400
AT ALL TIMES	R9-1-3		900 × 600
			1200 × 800
Two periods	R9-1-2	} B	600 × 600
			900 × 900
			1200 × 1200
Mass Supplementary plate	R9-10	A	600 × 400
		B	900 × 600
		C	1200 × 800
Length Supplementary plate	R9-11	A	600 × 400
		B	900 × 600
		C	1200 × 800

* Module widths match the width of the parent sign

5.2 Signs for bus and bus only lanes

Bus LANE (R7-1-1)

Bus ONLY (R7-8)



R7-1-1



R7-8

The Bus LANE sign (R7-1-1) shall be used to designate a lane for the use of buses and any other vehicle types permitted by regulations to travel in a bus lane for its entire length (i.e. not just when about to turn at an intersection). However, where a bus lane is not adjacent to a kerb or traffic island a BUS LANE pavement marking may be used without the Bus LANE sign (R7-1-1).

The Bus LANE (R7-1-1) sign may include other vehicle types (as a symbol or text) where they are not already permitted by regulations. The sign shall not contain a high occupancy motor car symbol (see Clause 5.3).

The Bus ONLY (R7-8) sign shall be used to designate a lane or a section of roadway for the exclusive use of buses along its entire length.

The Bus ONLY (R7-8) sign shall be placed beside or over any lane to be reserved for the exclusive use of buses. This sign may be used on the approach to traffic signals where bus traffic in that lane is to be controlled by 'B' signals and other turning traffic which could block a bus facing a white 'B', cannot be allowed in the lane. Where it is not practical on a short bus only lane to install the Bus ONLY sign (R7-8), a BUS ONLY pavement marking may be used without the sign [an example is shown in Figure 7(b)].

Supplementary plates for use with these signs are specified in Clause 5.6.

NOTES:

- 1 Sign R7-8 was not included in the Road Rules at the time of publication of this Standard.
- 2 Although some jurisdictions may allow the use of pavement marking only for bus and bus only lanes, it is preferable to install both signs and pavement marking.

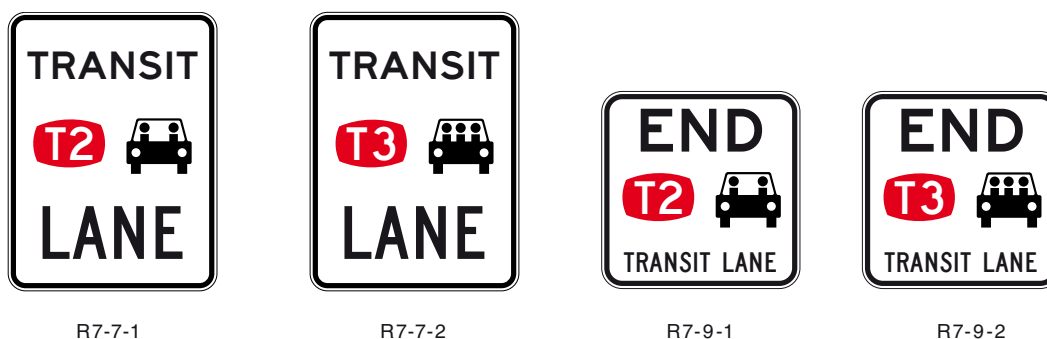
5.3 Signs for transit lanes

TRANSIT LANE T2 (R7-7-1)

TRANSIT LANE T3 (R7-7-2)

END T2 TRANSIT LANE (R7-9-1)

END T3 TRANSIT LANE (R7-9-2)



These signs shall be used to designate a lane for the use of motor cars carrying at least two (T2) or three (T3) people together with other types of vehicle as specified in regulations.

Supplementary plates that may be used with TRANSIT LANE signs are specified in Clause 5.6.

An information sign may be used to advise or remind drivers of the meaning of T2 and T3, and if used, should be placed in advance of the start of the transit lane but after the AHEAD (R7-2) sign (see Figure 1).



FIGURE 1 EXAMPLE OF A TRANSIT LANE INFORMATION SIGN

5.4 Sign for truck lanes

Truck LANE (R7-1-3)



R7-1-3

This sign shall be used to designate a lane for the use of trucks or other vehicles permitted by regulations to use a truck lane. Supplementary plates for use with this sign are specified in Clause 5.6.

The Truck LANE sign (R7-1-3) may include other vehicle types (as a symbol or text) where they are not already permitted by regulations.

5.5 Signs for tram and tram only lanes

Tram LANE (R7-1-5)

Tram ONLY (R7-10)

MERGE LEFT (R7-13)



R7-1-5



R7-10



G9-73(L)

The Tram LANE sign (R7-1-5) shall be used to designate a lane for the use of trams and any other vehicle types permitted by regulations.

The Tram ONLY sign (R7-10) shall be used to designate a lane or a section of roadway reserved for the exclusive use of trams.

Supplementary plates that may be used with these signs are specified in Clause 5.6.

The MERGE LEFT sign (G9-73 (L)) shall be used in advance of the tram only lane (see Figure 10) where an existing shared tram and vehicle lane becomes a tram lane or tram only lane. Where a tram lane or tram only lane is other than on the right hand side of the road, the signing may be modified to reflect this.

5.6 Supplementary plates

AHEAD (R7-2)

RIGHT LANE [R7-3(R)]

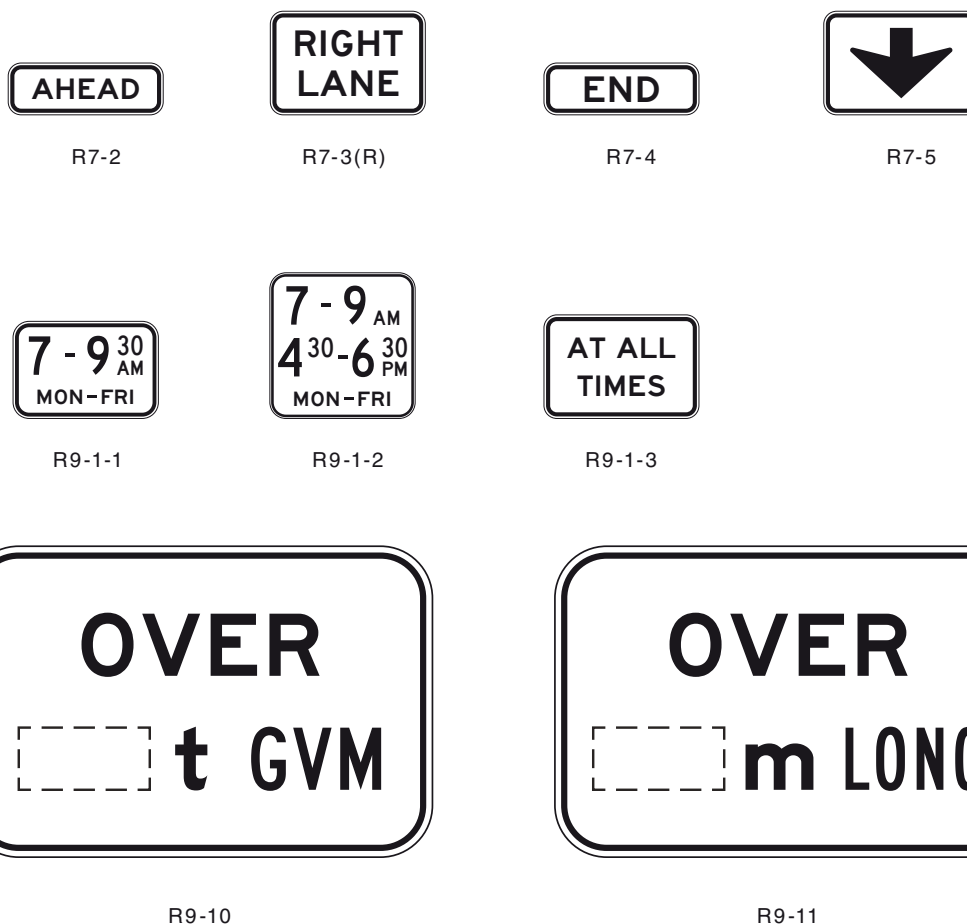
END (R7-4)

Overhead Arrow (R7-5)

Times of Operation (R9-1-1, R9-1-2)

AT ALL TIMES (R9-1-3)

Mass (R9-10) or length (R9-11) restriction signs



These signs are used as follows:

- (a) **AHEAD (R7-2)** Where used, this supplementary plate shall be mounted below the following signs when they are used to provide advance warning of the start of the lane:
 - (i) Bus LANE, Bus ONLY (R7-1-1, R7-1-6, R7-8).
 - (ii) TRANSIT LANE T2 (T3) (R7-7-3, R7-7-4, R7-7-5, R7-7-6, R7-7-7, R7-7-8).
 - (iii) Truck LANE (R7-1-3).
 - (iv) Tram LANE, Tram ONLY (R7-1-5, R7-10).
- (b) **RIGHT LANE [R7-3(R)]** Where used, this supplementary plate may be mounted below the Tram LANE (R7-1-5) or Tram ONLY (R7-10) signs located on the left hand side of the roadway where it is not practicable to install the R7-1-5 or R7-10 signs adjacent to or above the tram tracks.
- (c) **END (R7-4)** Where used, this supplementary plate shall be mounted below the following signs—
 - (i) Bus LANE (R7-1-1);
 - (ii) Bus ONLY (R7-8);
 - (iii) Truck LANE (R7-1-3);
 - (iv) Tram LANE (R7-1-5);
 - (v) Tram ONLY (R7-10)
 when they are used to indicate the end of the lane.