



# Supplement to AS 1742.1:2014 Manual of uniform traffic control devices

## Part 1: General introduction and index of signs

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# 1. Introduction

## 1.1 General

All road agencies across Australia are working towards greater consistency between States/Territories in how road networks are managed. In order to achieve this, the Austroads Guide to Traffic Management and Australian Standards relating to traffic management have been adopted to assist in providing that level of consistency and harmonisation across all jurisdictions. This agreement means that these Austroads Guides and the Australian Standards are the primary technical references.

Australian Standards AS 1742.1:2014 - *Manual of uniform traffic control devices – Part 1: General Introduction and Index of Signs* is a nationally agreed standards document outlining the use of traffic control devices on the road network and has been adopted by all jurisdictions, including VicRoads.

All jurisdictions will be developing their own supplement to clearly identify where its practices currently differ and to provide additional guidance to that contained within AS 1742.1:2014. This document is the VicRoads supplement and shall be read in conjunction with AS 1742.1:2014.

## 1.2 How to Use this Supplement

There are two key parts to this document:

**Classification of Supplement Information:** this table classifies supplement information as a Departure, Additional Information or both. This information assists with identifying its hierarchy in relation to the Australian Standards.

- **Details of Supplement Information:** this section provides the details of the supplement information.
  - **Departures:** where VicRoads practices differ from the guidance in the Australian Standard. Where this occurs, these differences or 'Departures' will be highlighted in a box. The information inside the box **takes precedence** over the Australian Standard clause. The Australian Standard clause is not applicable in these instances.
  - **Additional Information:** all information not identified as a departure provides further guidance to the Australian Standard and is read and applied **in conjunction** with the Australian Standard clause.

Where a clause does not appear in the body of this supplement, the Australian Standard requirements are followed.

## 2. Classification of Supplement Information

The classification of each clause as a Departure, Additional Information or both is shown in the table below.

| Clause   | Classification         |
|----------|------------------------|
| 1.4      | Additional Information |
| 1.5      | Additional Information |
| 1.6.3    | Additional Information |
| 1.6.6    | Additional Information |
| 1.8      | Additional Information |
| 1.9      | Additional Information |
| 1.10     | Additional Information |
| 2.4.2    | Departure              |
| 2.4.3    | Departure              |
| 4.4.12.2 | Additional Information |
| 6.4      | Departure              |

Australian Standard requirements are followed for clauses not shown in this table.

### 3. Details of Supplement Information

## Section 1 Scope and Introduction

### Clause 1.4 – Classification of signs

In Victoria, additional prefixes are used as follows:

- 'P' is used to indicate signs that are for public information
- 'GM' is used to indicate Guide signs for roadwork multi-message frames
- 'RM' is used to indicate Regulatory signs for roadwork multi-message frames
- 'TM' is used to indicate Temporary warning signs for roadwork multi-message frames

### Clause 1.5 – Number of Signs and Sign Components

Signs that are used in Victoria, but are not in the Australian Standard, have a 'V' before the sign number.

Wherever possible VicRoads has adopted the AS 1742 sign design exactly and, in such cases, has adopted the AS 1742 number without alteration. Where the sign is not shown in AS 1742, the following practice is used:

- If the sign is very similar to a sign shown in AS 1742 and differs in detail only, the letter V is inserted after the dash, e.g. the Intersection Direction Sign shown in AS 1742 as G2-1 is given the number G2-V1 because VicRoads version has the same general layout but varies dimensionally and may include an alfa-numeric route number.
- Where a sign has no counterpart in AS 1742, or is substantially different from signs of a like nature in AS 1742, it is placed in its appropriate group and sub-group and given a serial number commencing at 100 preceded by the letter "V".
- Information signs, with the exception of signs used to identify points of geographical interest (G6-series signs) are not included in the Australian Standards. These signs have the following designation followed by a 3 digit number for each individual sign:

P1-V \_ \_ \_ Traffic information signs, related to VicRoads works

P2-V \_ \_ \_ Traffic information signs, related to regulatory road rules

P3-V \_ \_ \_ Roadworks project information signs

P4-V \_ \_ \_ Traffic information signs, related to organisations other than VicRoads, e.g. CFA Fire Restriction signs.

- In addition to standard services symbols shown in Appendix B of AS 1742.1, VicRoads has developed a number of symbols and logos for use on road signs. These symbols and logos have an SV designation followed by a 3 digit number.

### Clause 1.6.3 – Colour

Table 1 outlines the colours of signs used in Victoria.

**Table 1: Legend, border and background colours for signs**

|   | SIGN TYPE | Colour  |  |
|---|-----------|---|--|
|   |           | Legend and Border   | Background   |
| <b>1. Direction Signs</b><br>All (except for components as listed below)<br>- Route numbers: M, A, B, C<br>- Route Shields<br>- National Route – Metro<br>- Metropolitan Routes<br>- Road Name Panels<br>- Tourist Route or Destination Panels<br>- Cautionary legends such as “ONLY” |           | White<br>Fluorescent Yellow<br><br>Black<br>White<br>Black<br>White<br>Black                                  | Standard Green<br>Standard Green<br><br>White<br>Blue<br>White<br>Brown<br>Yellow  |
| <b>2. Tourist Signs</b>   |           | White   | Brown  |
| <b>3. Service Signs</b>   |           | White   | Blue   |
| <b>4. Regulatory Signs</b><br>Generally <sup>(1)</sup> (except as listed below)<br>- Pedestrian Crossing (R3-1)<br>- Safety Zone (R3-2)<br>- Parking (R5 Series)<br>o “People with Disabilities” symbol (on R5-10)<br>o word “ONLY” (on R5-10)<br>- Hand Stop Banner (R6-7)           |           | generally Black, or as specified elsewhere<br>Black<br>Black<br>Red/Green/Black<br>White<br><br>Blue<br>Black | generally White, or Red, or as specified elsewhere<br>Fluorescent Yellow Green<br>Fluorescent Yellow Green<br>White<br>Blue<br><br>White<br>Fluorescent Red <sup>(2)</sup> |
| <b>5. Warning Signs</b><br>All (except as listed below)<br>- Prepare to Stop (W8-27)<br>- No. of Tracks (W7-2)<br>- Pedestrian related signs: W6-1, W6-2, W6-V2-1, W6-V2-2, W6-3, W6-V106, W8-13, W8-14, W8-18, W8-19, W8-20, W8-22, W8-24, W8-25, & W8-V113.                         |           | Black<br>White<br>Black<br>Black  | Yellow<br>Red<br>White<br>Fluorescent Yellow Green   |
| <b>6. Traffic Instruction Signs</b><br>Generally<br>- or as specified elsewhere <sup>(1)</sup>  |           | Black   | White  |
| <b>7. Hazard Markers and Sight Boards</b><br>- CAMs<br>- Other Markers  |           | Black<br>Black  | Yellow<br>White  |
| <b>8. Temporary Signs</b><br>All (except as listed below)<br>- Worker (Symbolic) (T1-5)<br>- Prepare to Stop (T1-18)/<br>Blasting Operations (T4 Series)  |           | Black<br>Black<br>White   | Yellow<br>Fluorescent Orange<br>Red  |
| <b>9. Information Signs &amp; Community Message Signs</b><br>Generally<br>- With enforcement message  |           | Black<br>Blue   | White<br>White   |

1. *Notes to Table 1:*
2. *Colours for signs are specified in AS 1742:2010 & AS 1743:2001.*
3. *Fluorescent orange shall be used if manufactured using reflective material.*

## **Clause 1.6.6 – Reflectorization and Illumination**

### **a) Reflectorisation**

Unless indicated otherwise in the text for a specific sign, all signs are reflectorised using materials conforming with AS/NZS 1906.1. A list of approved sheeting materials for use on road signs is contained in VicRoads Standard Specification Section 860 - Manufacture of Road Signs.

Table 2 provides guidance on the class of retroreflective sheeting that should be specified for road signs. Higher class materials may be considered in special circumstances.

### **b) Illumination**

Illumination of signs, including overhead signs, is not required except in special circumstances. Any proposal to illuminate signs is subject to the approval of the Director – Network Policy & Standards.

**Table 2: Retroreflective sheeting classes for signs**

|           | <b>SIGN TYPE</b>  | <b>RETROREFLECTIVE SHEETING CLASS</b>  |
|-----------|---|--|
| <b>1.</b> | <b>Direction Signs, Tourist Signs &amp; Service Signs <sup>(1)</sup></b><br>- Side mounted<br>- Overhead mounted  | Class 1<br>Class 1W  |
| <b>2.</b> | <b>Regulatory Signs</b><br>All (except as listed below)<br>- Overhead mounted<br>- Parking R5 Series, except R5-50 & R5-51<br>- Clearway (R5-50) and End Clearway (R5-51)<br>- Hand Stop Banner (R6-7)<br>- No Hook Turn by Bicycles (R2-22)<br>- Bicycle related (R8 Series) when used off-road and/or directed to cyclists and/or pedestrians | Class 1<br>Class 1W<br>Class 2<br>Class 1<br>non-reflective <sup>(2)</sup><br>Class 2<br>Class 2   |
| <b>3.</b> | <b>Warning Signs</b><br>All   | Class 1  |
| <b>4.</b> | <b>Traffic Instruction Signs</b><br>All (except as listed below)<br>- Overhead mounted<br>- OD Route Numbers<br>- Located on freeways<br>- Truck related signs<br>- Railway related signs<br>- Reduce Speed (G9-9)<br>- Form 1 lane (G9-15)/ Form 2 Lanes (G9-16)<br>- Advance Lane Designation signs with standard green background            | Class 2<br>Class 1W<br>Class 1 (Class 1W when overhead mounted)<br>Class 1<br>Class 1<br>Class 1<br>Class 1<br>Class 1<br>as per Direction Sign type (generally Class 1) |
| <b>5.</b> | <b>Hazard Markers and Sight Boards</b><br>All   | Class 1  |
| <b>6.</b> | <b>Temporary Signs</b><br>All   | Class 1  |
| <b>7.</b> | <b>Information Signs &amp; Community Message Signs</b><br>All   | Class 2  |

**Notes to Table 2:**

- 1. All components of direction signs, tourist signs and service signs (i.e. route numbers, route shields, road name panels and lane discipline panels) when combined to make composite signs, are to match the material class specified.**
- 2. It is recommended that the Hand Stop Banner sign be manufactured using reflective material if likely to be used at night, dusk or dawn.**



### c) Variable message signs and internally illuminated signs

Variable message signs (VMS) and internally illuminated signs are used to provide information to drivers of road conditions and may include advice on congestion levels, accidents, detours or hazards. They may also be used to enhance the conspicuity of signs where they are located in disadvantaged locations. They may include signs which display to drivers:

- alternative speed limits
- requirements to Give Way to Pedestrians
- traffic density levels or predicted travel times on the road ahead (e.g. those used with the 'Drive Time' system)
- turn restrictions that apply during certain parts of the day
- overhead lane control displays
- special or changed conditions ahead.

Where these signs are used, say for regulatory control, measures shall be in place to ensure that the law can be enforced in the case of power failure.

Variable message and internally illuminated signs shall, as a minimum, use letter sizes, letter series, letter spacing, text limits, colours and contrast levels compatible with the requirements of AS 1742 and AS 1743.


Variable message signs shall only be displayed when there is useful traffic management information to be provided to drivers. Use of these signs in 'quiet' times with messages of doubtful efficacy (e.g. 'Drive Carefully') diminishes their value at times when they are needed.

Approval of Director – Network Policy & Standards is required for the installation of these signs.

### Clause 1.8 – Non-Standard Signs

In Victoria, non-standard signs fall into two categories. They are:

- **Victorian special signs:** These signs are only considered if Australian Standards signs do not exist or do not adequately cover a particular situation. There should be a potential for these signs to be used at other locations. Such signs require approval of the Manager - Network Standards, who will make arrangements for the required contact with Standards Australia. Victorian special categories are denoted with a V prefix before the sign number (e.g. R7-V100). Approved Victorian special signs are available in VicRoads Supplement to AS1743 Road Sign Specifications (formally known as the Manual of Standard Drawings for Road Signs).
- **Site specific signs:** are non-standard signs used for specific site conditions. Such signs have a very low likelihood of being used at other locations on the Victorian road network. Use of such signs on VicRoads managed roads requires the approval of the relevant VicRoads Regional Director. The purpose of what the sign is aiming to achieve and date of installation shall be documented, along with any outcomes as a result of utilising the sign.

| Sign  | Name             | Sign No | Size mm   | Principal references                 |
|---|------------------|---------|-----------|--------------------------------------|
|  | TRAM LANE<br>END | R7-V100 | 600 x 900 | AS 1742.1<br>AS 1742.2<br>AS 1742.12 |

## Clause 1.9 – Responsibility and Authority for Installation on Public Roads

In Victoria, the installation of new devices or interference with existing ones is an offence under the *Road Safety (Traffic Management) Regulation 2009*, unless authorised under those regulations. This is described further in the VicRoads Supplement to the Austroads Guide to Traffic Management, Part 10.

## Clause 1.10 – Private Roads

The *Road Management Act 2004* applies to any road that is open for use by members of the public, regardless of ownership.

## Clause 2.4.2 – Direction Series – R2

### DEPARTURE

Sign R2-20 LEFT TURN ON RED PERMITTED AFTER STOPPING is not used in Victoria. Refer to the Supplement to AS 1742.14:2014, Clause 7.5 for further details.

## Clause 2.4.3 – Pedestrian Series – R3

### DEPARTURE

Sign R3-4 CHILDREN CROSSING, 40, WHEN LIGHTS FLASHING is not used in Victoria. Refer to the Supplement to AS 1742.10:2009, Clause 7.2 for further details.

## Clause 4.4.12.2 – Expressway Exit Direction Series – GE2

Use of the word 'EXIT' on freeway exit signs shall follow the guidance given in AS 1742.15:2007 Clause 3.4.3.

## Clause 6.4 – Index of Hazard Markers

### DEPARTURE

Sign D4-2-2 is not used in Victoria. Refer to the Supplement to AS 1742.2:2009, Clause 4.6.7.2 (b) for further details.

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Previous versions of this document are available on request by contacting the VicRoads – Network Standards team.

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