Delineation

Section 12 - Pavement markings for bicycle facilities
The delineation guidelines have been developed to assist in designing and maintaining a quality delineation system.

The guidelines are to comprise 19 sections and an appendix. These are initially being released individually and in no specific order. The sections which are to be released are as follows:

<table>
<thead>
<tr>
<th>Part</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section 1</td>
<td>Introduction</td>
</tr>
<tr>
<td>Section 2</td>
<td>Delineation principles</td>
</tr>
<tr>
<td>Section 3</td>
<td>Pavement markings</td>
</tr>
<tr>
<td>Section 4</td>
<td>Longitudinal markings</td>
</tr>
<tr>
<td>Section 5</td>
<td>Enhanced longitudinal markings</td>
</tr>
<tr>
<td>Section 6</td>
<td>Transverse markings</td>
</tr>
<tr>
<td>Section 7</td>
<td>Transverse markings - Pedestrian facilities</td>
</tr>
<tr>
<td>Section 8</td>
<td>Diagonal and chevron markings</td>
</tr>
<tr>
<td>Section 9</td>
<td>Messages on pavements</td>
</tr>
<tr>
<td>Section 10</td>
<td>Pavement arrows</td>
</tr>
<tr>
<td>Section 11</td>
<td>Pavement markings at roundabouts</td>
</tr>
<tr>
<td>Section 12</td>
<td>Pavement markings for bicycle facilities</td>
</tr>
<tr>
<td>Section 13</td>
<td>Pavement markings for kerbside parking restrictions</td>
</tr>
<tr>
<td>Section 14</td>
<td>Maintenance of pavement markings</td>
</tr>
<tr>
<td>Section 15</td>
<td>Raised pavement markers</td>
</tr>
<tr>
<td>Section 16</td>
<td>Guide posts and delineation of safety barriers</td>
</tr>
<tr>
<td>Section 17</td>
<td>Alignment signs and markers</td>
</tr>
<tr>
<td>Section 18</td>
<td>Delineation systems</td>
</tr>
<tr>
<td>Section 19</td>
<td>Delineation management and audit</td>
</tr>
<tr>
<td>Appendix A</td>
<td>Locating and setting out of dividing (barrier) lines</td>
</tr>
</tbody>
</table>

To determine which sections are currently available go to:  

The information contained in the various parts is intended to be used as a guide to good practice. Discretion and judgement should be exercised in the light of the many factors that may influence the choice of delineation devices in any situation. The guidelines make reference, where relevant, to current Australian Standards and are intended to supplement and otherwise assist in their interpretation and application.
Delineation

Section 12

PAVEMENT MARKINGS FOR BICYCLE FACILITIES

Special Note:

As from 17 January 2011, the RTA is adopting the Austroads Guides (Guide to Traffic Management) and Australian Standards (AS 1742, 1743 & 2890) as its primary technical references.

An RTA Supplement has been developed for each Part of the Guide to Traffic Management and relevant Australian Standard. The Supplements document any mandatory RTA practice and any complementary guidelines which need to be considered.

The RTA Supplements must be referred to prior to using any reference material.

This RTA document is a complementary guideline. Therefore if any conflict arises, the RTA Supplements, the Austroads Guides and the Australian Standards are to prevail.

The RTA Supplements are located on the RTA website at www.rta.nsw.gov.au
Contents

12.1 General .......................................................................................................................... 12-1

12.2 Pavement markings ........................................................................................................ 12-1

12.3 Application of pavement markings for bicycle facilities .......... 12-2
**Amendment record**

Please note that the following updates have been made to this document.

<table>
<thead>
<tr>
<th>Amendment No</th>
<th>Page</th>
<th>Description</th>
<th>Issued</th>
<th>Approved By</th>
</tr>
</thead>
</table>
12.1 General

This section specifies requirements for pavement markings to be applied to bicycle facilities both on the road and on paths separate from the road, either for the exclusive use of cyclists or joint use with other road users.

Bicycle lanes on a road are set aside for the exclusive use of bicycle traffic either full time or part time.

Bicycle paths are set aside for the off-road use of bicycle traffic and certain pedestrian traffic subject to the road rules.

Green coloured pavement material or overlay material is used exclusively for on-road bicycle lanes. Not all bicycle lanes may be appropriate for this treatment and all proposals must be forwarded to the General Manager, Traffic Management Branch for approval.

12.2 Pavement markings

The following pavement markings and symbols as illustrated in Figure 12.1 shall be used for bicycle facilities:

(a) Bicycle lane line (L7) – The bicycle lane line shall be placed between the bicycle lane and lanes of moving traffic and where appropriate, a parking lane. It shall be a white unbroken line 100 mm wide.

(b) Continuity line (C4) – A continuity line comprising of a white broken line 100 mm wide with 1 m mark and 3 m gap. It shall replace the bicycle lane line -
   (i) where motor traffic must enter or cross an exclusive bicycle lane when making a turn at an intersection or major driveway, and
   (ii) to show the continuity of a bicycle lane where it continues through an unsignalised intersection.

(c) Stop lines (TF & TFB) – A white stop line 300 mm wide (TF) shall be provided in an exclusive bicycle lane or a white stop line 200mm wide (TFB) on a bicycle path at the point where bicycles must stop.

(d) Separation line (S4) – A white unbroken line 100 mm wide used on sections of bicycle paths with restricted visibility or at an intersection.

(e) Separation line (S5) - A white broken line 100 mm wide, 1 m mark and 3 m gap, used on straight sections of bicycle paths.
(f) Edge line (E7) – A white edge line 100 mm wide used on define the edge of bicycle paths and shared paths.

(g) Bicycle symbol – Where used on roads, the bicycle symbol shall be white in colour and as illustrated in Figure 12.1

(h) Give way line (TBB) – A white line 200 mm wide, 200 mm mark and 200 mm gap.

(i) Bicycle crossing line (TBC) – Two parallel transverse lines, 2000 mm minimum separation. 400 mm wide, 400 mm mark and 400 mm gap. Requires the approval of General Manager, Traffic Management, prior to use.

Refer to Figure 12.1 for details on the following pavement markings

(j) On-road Bicycle symbol (PS-2)

(k) On-road pavement arrows (BA-1, BA-2, BA-3R, BA-4R, BA-4L, BA-6)

(l) Off-road Bicycle symbol (PS-3)

(m) Off-road pavement arrows (PA-1, PA-2, PA-3R, PA-4R, PA-4L, PA-6)

(n) Off-road pedestrian symbol (PS-4)

### 12.3 Application of pavement markings for bicycle facilities

For details on the application of pavement markings for bicycle facilities refer to the RTA’s publication, ‘NSW Bicycle Guidelines’. 
**Linemarking specifications**

- **L7** Bicycle lane line
  Continuous line 100 mm wide

- **C4** Bicycle lane continuity line
  Dashed line 100mm wide, 1000mm long with 3000mm gap

- **S4** Off-road path continuous separation line
  Continuous line 100mm wide (used on path sections with restricted visibility or at intersections)

- **S5** Off-road path broken separation line
  Dashed line 100mm wide, 1000mm long with 3000mm gap (used on straight path sections)

- **E7** Edge line for off-road bicycle paths and shared paths
  Continuous line 100 mm wide

**Pavement symbols for on-road use**

- **TBC** Bicycle crossing - Parallel transverse lines
  2000mm minimum separation, 400mm wide, 400mm long with 400mm gap

**Bicycle lane traffic signal pavement arrows and symbols**

- **PS-2**
- **BA-1**
- **BA-2**
- **BA-3R**
- **BA-3L**
- **BA-4R**
- **BA-4L**
- **BA-6**

**Stop and Give Way lines for off-road paths**

- **TFB** Stop line on path
  200mm wide

- **TBB** Give Way line on path
  200mm wide, 200mm long with 200mm gap

**Pavement symbols for off-road paths**

- **PS-3**
- **PS-4**
- **PA-1**
- **PA-2**
- **PA-3R**
- **PA-3L**
- **PA-4R**
- **PA-6**

**Pavement direction arrow symbols for off-road paths**

- **PS-3**
- **PA-1**
- **PA-2**
- **PA-4R**
- **PA-4L**
- **PA-6**

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**Figure 12.1:** Pavement markings and symbols.