

Accepted products and suppliers: Traffic engineering, traffic management and road safety

Cones and Bollards Technical Requirements and Checklist

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Feedback

Please send your feedback regarding this document to: tmr.techdocs@tmr.qld.gov.au

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1 Enquiries

If you have any questions regarding this document, suggestions for improvement, or would like to submit a product for acceptance for use in Queensland, please contact:

TrafficEngineering.Support@tmr.qld.gov.au

2 Introduction

This document is relevant to cones and bollards, defined by Part 3 of the Manual of Uniform Traffic Control Devices as the following:

- Clause 4.11.1(a) – Traffic cones shall comprise cones of fluorescent orange material that is resilient to impact, and
- Clause 4.11.1(b) – Temporary bollards shall comprise a vertical parallel sided or tapered tube of fluorescent orange or red material that is resilient to impact.

Cones and bollards nominated on the department's accepted products list are accepted for temporary use in both short and long-term roadworks sites only.

This document specifies conditions in relation to:

- requirements for submitting new cones and bollards products for acceptance as compliant with standards (or resubmitting those previously accepted and lapsed)
- requirements for extending currently accepted cones and bollards products prior to the 3-year acceptance period concluding, and
- submission requirements, standards and required inclusions.

3 Governing manuals and associated specifications and guidelines

- *AS 1906.1:2017*
- *AS 1742.3:2019*
- Part 3 of the Queensland Manual of Uniform Traffic Control Devices (MUTCD)
- Appendix A - Cones and Bollards Acceptance Checklist.

4 Acceptance of new products as suitable for use in Queensland

For a cone or bollard product to be accepted as compliant for use in Queensland, the manufacture / distributor must complete the checklist provided in Appendix A.

The completed checklist shall be accompanied by documents to support the requirements of the checklist, the documents are to be submitted to the nominated contact in Section A1.

Tests to demonstrate compliance with the stated Australian Standards must be conducted by a National Association of Testing Authorities (NATA) (or equivalent) accredited laboratory.

A sample must also be provided to allow assessment of marking, standard and packaging to the nominated contact in Section A1.

5 Conditions of Acceptance

All products are accepted on the condition that the manufacture, design, and installation are in accordance with the manufacturer's instructions.

A product's acceptance will remain valid for 3-years from the date nominated on the letter of acceptance. If during this 3-year period the product is redesigned in any way (that is, changes are made to the product that may adversely affect its performance, durability or maintenance requirements), there is a change to any governing specifications, the manufacturing process changes, or the location of manufacturing changes the acceptance will cease and a reapplication for acceptance will be required.

Within 2 months of any 3-year acceptance period expiring, the manufacturer / distributor is to notify the contact officer, nominated in Section A1, of intention to extend for a further 3-years and nominate either of the following:

- there has been no redesign of the product – further acceptance period granted, and
- the product has been redesigned – further acceptance period granted based on submission of relevant test results (either full suite or those relevant to the nominated changes).

If the acceptance period expires, the product will need to be reassessed as per Section 4 and Appendix A.

Appendix A – Cones and Bollards – Acceptance Checklist

SECTION A1: APPLICANT INFORMATION

Applicant name:	_____	Date:	_____
Applicant company:	_____		
Product name:	_____		
Product category	☐ 900 mm		
	☐ Cone ► [Select Size(s)] ☐ 700 mm ► Section A2		
	☐ 450 - 500 mm		
	☐ Bollards ► Section A3		
Product distributor:	_____		
Product manufacturer:	_____		
Location(s) of manufacturing:	_____		
Distributor address:	_____		
Distributor email:	_____		
Distributor phone number:	_____		
Application status:	☐ New application (Date:)		
	☐ Renewal (Date:)		

Note: Please ensure that all relevant fields are filled in with all supporting information and that **SECTION A4 APPLICANT DECLARATION** is completed.

Completed form is to be submitted to TrafficEngineering.Support@tmr.qld.gov.au.
Product sample required for each product / product colour. Sample(s) to be sent to:

Attention: Traffic Engineering Practice
Level 6, 313 Adelaide Street
Brisbane City, QLD, 4001

SECTION A2: CONES CHECKLIST

The applicant is to complete shaded boxes only.

A2.1 SIZE

Requirement	Pass (Y / N)	Pass (Y / N)
Is the product comprised of fluorescent orange material that is resilient to impact?	☐ Yes ☐ No	☐ Yes ☐ No
Is the product designed to be stable under reasonable expected wind conditions and air turbulence from passing traffic?	☐ Yes ☐ No	☐ Yes ☐ No

A2.2 RETROREFLECTIVE BAND

Requirement	Pass (Y / N)	Pass (Y / N)
Is the retroreflective band width and position compliant with Table 4.6 of the Queensland Manual of Uniform Traffic Control Devices Part 3?	☐ Yes ☐ No	☐ Yes ☐ No

A2.3 REFLECTIVE PROPERTIES

Requirement	Pass (Y / N)	Pass (Y / N)
Is the retroreflective element of the product currently accepted by the Department of Transport and Main Roads? <i>If not, a concurrent application for the retroreflective sheeting is required.</i>	☐ Yes ☐ No	☐ Yes ☐ No
Is the retroreflective element marked in accordance with AS 1906.1:2017 Clause 2.11 to include: - The manufacturer's identification logo or symbol; and - Product identification code?	☐ Yes ☐ No	☐ Yes ☐ No
Has a product sample been sent to TMR? Application will not be progressed until sample is received.	☐ Yes ☐ No	☐ Yes ☐ No

SECTION A3: BOLLARDS CHECKLIST

The applicant is to complete shaded boxes only.

A3.1 SIZE

Requirement	Pass (Y / N)	Pass (Y / N)
Is the product comprised of a parallel sided or tapered tube of fluorescent orange or red material that is resilient to impact?	☐ Yes ☐ No	☐ Yes ☐ No
Is the product at least 900 mm in height and 100 mm in diameter?	☐ Yes ☐ No	☐ Yes ☐ No
Is the product designed to be stable under reasonably expected wind conditions and air turbulence from passing traffic?	☐ Yes ☐ No	☐ Yes ☐ No

A3.2 RETROREFLECTIVE BANDS

Requirement	Pass (Y / N)	Pass (Y / N)
Is the retroreflective band width and position compliant with Table 4.6 of the Queensland Manual of Uniform Traffic Control Devices Part 3?	☐ Yes ☐ No	☐ Yes ☐ No

A3.3 REFLECTIVE PROPERTIES

Requirement	Pass (Y / N)	Pass (Y / N)
Is the retroreflective element of the product currently accepted by the Department of Transport and Main Roads? <i>If not, a concurrent application for the retroreflective sheeting is required.</i>	☐ Yes ☐ No	☐ Yes ☐ No
Is the retroreflective element marked in accordance with AS 1906.1:2017 Clause 2.11 to include: - The manufacturer's identification logo or symbol; and - Product identification code?	☐ Yes ☐ No	☐ Yes ☐ No
Has a product sample been sent to TMR? Application will not be progressed until sample is received.	☐ Yes ☐ No	☐ Yes ☐ No

SECTION A4: APPLICANT DECLARATION

I, as a representative of
(name of applicant) (name of company)

acknowledge and verify that all information provided above is true and agree to the following:

- ☐ that I will inform the Department of Transport and Main Roads (department) should any of the information provided above change
- ☐ if the information provided above is found to be incorrect, whether knowingly or unknowingly, the department may at its own volition remove the product from the accepted products register, and
- ☐ the department may at any time request additional information regarding any aspect of the product, sourcing and manufacturing process.

..... /...../.....
(Signature) (Date)

For departmental completion only:

Reviewer Name: Date:

Accepted for use: ☐ Yes, product is accepted for use in Queensland
☐ No, product is not accepted for use in Queensland.

Reviewer Signature:
☐ New Application (Date:.....)

Application Status: ☐ Renewal (Date:)

