

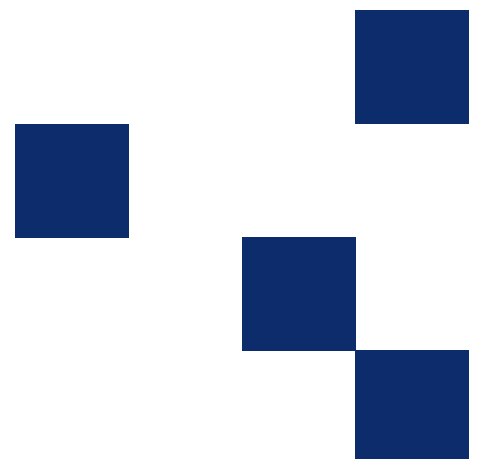


Transport
Roads & Maritime
Services

Test method T1224

Road testing of raised pavement markers

NOVEMBER 2012



Revision Summary

Ed/Rev Number	Clause Number	Description of Revision	Authorisation	Date
		Reformatted and Revision Summary Added	D.Dash	June 2001
Ed 2/ Rev 0	All	Reformatted RMS template	J Friedrich	November 2012

Note that Roads and Maritime Services is hereafter referred to as 'RMS'.

The most recent revision to Test method T1224 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

Test method T1224

Road testing of raised pavement markers

1. Scope

This test method sets out the procedure for determining the suitability of batches of raised pavement markers for use in traffic conditions.

2. Requirements

2.1 Eligibility for the Road Test

This test shall be carried out only after evidence has been produced confirming that the marker under test has successfully completed all the laboratory tests specified.

2.2 Test Sites

Two sites shall be elected for the test. One shall be asphaltic concrete and one cement concrete carriageway, on the basis of the following criteria:-

- (a) Two or more lanes flowing in the same direction
- (b) Traffic volume in the range 5000-7000 vehicles/lane/day
- (c) Percentage of commercial vehicles 5-15 percent
- (d) Land width in the range 3.2-3.7 metres
- (e) Carriageway to be kerbed or have sealed shoulder

2.3 Sample Requirements

2.3.1 Supply of Test Markers

A sample of 150 markers should be supplied for the test. In the case of retro-reflective markers, unless special circumstances arise, the test will be carried out on mono directional white markers.

2.3.2 Installation of Test Markers

The test markers shall be installed in accordance with the quoted Specification. Not less than 50 markers shall be installed at each site.

2.3.3 Control Markers

Control markers of a type approved in accordance with this Specification shall be used for comparison purposes at both test sites.

2.3.4 Spacing of Markers

The test markers shall be placed alternately with the control markers to form an overall spacing of markers conforming to normal practice.

2.4 Test Period

The markers shall be tested under traffic conditions for the period set out in the Specification.

3. Assessment of Performance

The performance of the test markers shall be assessed with regard to the following:

All markers	Resistance to fracture and retention of colour
In addition:	
Bonded Markers	Adhesion
Anchored markers	Resistance to lifting, tilting and rotation
Retro-reflective markers	Photometric properties

Photometric assessment is performed on thirty markers which are removed without disrupting the dirt collected on the reflecting element.

Other properties are assessed visually in situ at regular intervals as specified.

4. Reporting

The report shall contain the following:

- (a) Manufacturer's name and/or trademark;
- (b) Designation and type of markers;
- (c) Production batch number and date of manufacture;
- (d) Site, date of installation and traffic density;
- (e) Number of fractured, discoloured, lost, lifted, tilted or rotated markers (whichever terms are applicable) at the end of the exposure period.
- (f) Diagrammatic and/or tabular representation of results of all assessments of subjects quoted in 4.(e).