


# Safety Barrier Technical Conditions for Use

## Cado Emergency Gate - Permanent

	<b>Issue Date:</b> 2 September 2022	<b>Proponent:</b> Traffic Tech Pty Ltd
	<p><b>These conditions take precedence over any instructions in the Product Manual.</b></p> <p>This document is a summary of the Austroads Safety Barrier Assessment Panel's assessment of the technical performance of the product against AS/NZS 3845 Parts 1 or 2 only. It does not consider procurement practices by individual Road Agencies.</p> <p>The Austroads Safety Assessment Panel may at any time, withdraw or modify this Technical Conditions for Use without notice.</p> <p>These acceptance conditions should be read in conjunction with the Product Manual and Austroads Guide to Road Design Part 6: Roadside Design, Safety and Barriers.</p> <p>Acceptance of this product does not place any obligation on the Northern Territory Government or its contractors, to purchase or use the product.</p>	

Status	<b>Accepted – may be used on the classified road network</b>
Product accepted	Cado Emergency Gate  <u>Variants</u>  Variants that are NOT listed above are NOT recommended for acceptance.
Accepted speed	100 km/h
Product manual reviewed	Version 1, dated 20.05.2022
Product manual	<a href="https://www.roadtraffic-technology.com/contractors/access_control/traffic-tech/attachment/cado/">https://www.roadtraffic-technology.com/contractors/access_control/traffic-tech/attachment/cado/</a>

### Design Requirements

Containment Level	Manual or Automatic Gate	Area Required to Open (m)	Area Required to Open	Width of Opening (m)	Dynamic Deflection (m)	Working Width (m)	Notes
MASH TL3	Automatic	0.5 width 9.45 vertical clearance	30 seconds	9.0	0.45	1.07	

### Approved Connections

<b><i>An accepted end treatment must be provided at both ends of all barrier installations</i></b>	
<b>Public Domain Products</b>	
W-Beam Guardrail	Not Permitted
Thrie-Beam Guardrail	Not Permitted
Concrete	Permitted
<b>Proprietary Products</b>	
	<ul style="list-style-type: none"> <li>Refer to Safety Barrier TCUs for connections.</li> </ul>

Design Guidance

Minimum installation length (m)	9.0 (tested article)
System width (m)	0.50
Minimum distance to excavation (m)	Not applicable
Slope limit	0 %
Systems conditions	Installation on top of a kerb is not permitted May only be operated in wind speeds up to 19 m/s
Gore area use	Not Permitted
Pedestrian area use	Not Permitted
Cycleway use	Not Permitted
Frequent impact likely	Not Permitted
Remote location	Permitted
Median use	Permitted

Foundation Pavement Conditions					
Pavement Type	Use	Max Accepted Impact Speed (km/h)	Post/Pin Spacing (m)	Post/Pin Type	Pavement Construction
Concrete	Permitted	100			Precast reinforced concrete foundation Minimum AASHTO Standard Soil strength
Deep lift asphaltic concrete					
Asphaltic concrete over granular pavement					
Flush seal over granular pavement	Not Permitted				
Unsealed compacted formation					

**Note: Installation in pavement conditions not permitted above have not been justified to the Panel's satisfaction.**