


# Safety Barrier Technical Conditions for Use

## Lo-Ro Water Cable Barrier - Temporary

	<b>Issue Date:</b> 2 June 2020	<b>Supplier:</b> Jaybro Goup 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>Recommended for Acceptance</b>
Product accepted	Lo-Ro Water Cable Barrier  <u>Variants</u>  Variants that are NOT listed above are NOT recommended for acceptance.
Accepted Speed	50km/h (TL1), 70km/h (TL2)
Product Manual reviewed	Revision A3 (Dated 12/30/2019)
Product Manual	<a href="https://www.jaybro.com.au/fortress-fencing-barriers/crowd-control-water-filled-barriers/water-filled-traffic-barriers/lo-ro-water-filled-cable-barrier-mash-tl-2-white.html">https://www.jaybro.com.au/fortress-fencing-barriers/crowd-control-water-filled-barriers/water-filled-traffic-barriers/lo-ro-water-filled-cable-barrier-mash-tl-2-white.html</a>

### Design Requirements

Containment Level	Point of Redirection (m)		Tested Article Length (m)	Anchor/Post Spacing (m)	Dynamic Deflection (m)	Working Width (m)	Notes
	Leading	Trailing					
MASH TL1	24	24	48	n/a	1.80	2.30	
MASH TL2	24	24	48	n/a	3.60	4.10	

### Approved Connections

<b>Crash Cushions or Terminals must be fitted to both ends of a barrier</b>	
<b>Public Domain Products</b>	
W-Beam Guardrail	Not Permitted
Thrie-Beam Guardrail	Not Permitted
Concrete	Not Permitted
<b>Proprietary Products</b>	

SLED Lo-Ro Terminal	<ul style="list-style-type: none"> <li>This is a gating terminal.</li> <li>Terminal units are filled with water.</li> </ul>
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## Design Guidance

<b>This product must be installed and maintained in accordance with the Product Manual and Road Agency specifications. Road Agency specifications and standards shall have precedence</b>	
Minimum installation length	41 metres between crash cushions/terminals (tested article)
System width (m)	0.57 metres
Minimum distance to excavation	4.1 metres measured from the traffic face of the barrier.
Slope limit	Side slope limit: 10 Horizontal to 1 Vertical (10%).
Systems conditions	<ol style="list-style-type: none"> <li>Installation on top of a kerb is not recommended.</li> <li>A 24 metre x 6 metre clear run-out area is required, measured from the nose of the end treatment.</li> <li>Flaring across the clear zone without a terminal listed above is NOT permitted.</li> </ol>
Gore area use	Permitted
Pedestrian area use	Permitted – consider potential for snagging and deflection
Cycleway use	Permitted – consider potential for snagging and deflection
Frequent impact likely	Permitted
Remote location	Permitted
Median use	Permitted

<b>Foundation Pavement Conditions</b>					
<b>Pavement</b>	<b>Use</b>	<b>Accepted Speed (max)</b>	<b>Post/Pin Spacing (m)</b>	<b>Post/Pin Type</b>	<b>Pavement Construction</b>
Concrete	Permitted	70 km/h	N/A	N/A	Not Applicable
Deep lift asphaltic concrete	Permitted	70 km/h	N/A	N/A	Not Applicable
Asphaltic concrete over granular pavement	Permitted	70 km/h	N/A	N/A	Not Applicable
Flush seal over granular pavement	Permitted	70 km/h	N/A	N/A	Not Applicable
Unsealed compacted formation	Permitted	70 km/h	N/A	N/A	Graded level surface

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