


Safety Barrier System Acceptance Conditions

ET-SS Terminal

	Issue Date: 16 December 2021	Distributor: Ingal Civil Products
	<p>These conditions take precedence over any instructions in the Product Manual.</p> <p>These acceptance conditions should be read in conjunction with the Product Manual and Transport for NSW Specification R132 – Safety Barrier Systems and Austroads Guide to Road Design Part 6: Roadside Design, Safety and Barriers.</p> <p>Transport for NSW may withdraw or modify this acceptance at any time without notice. Users should refer to the Transport for NSW website to ensure they have the latest version of the conditions related to this product.</p> <p>Acceptance of this product does not place any obligation on Transport for NSW, or its contractors, to purchase or use the product.</p>	

Status	Accepted - may be used on the classified road network
Product accepted	<p>ET-SS Terminal</p> <p><u>Variants</u></p> <p>Alternative anchor post foundation - should be limited to constrained locations where a driven post cannot be installed. Must be accompanied by site specific ground investigation.</p> <p>Baseplated Post – TL2 only</p> <p>Variants that are NOT listed above are NOT recommended for acceptance.</p>
Accepted speed	<p>70 km/h (TL2)</p> <p>100 km/h (TL3)</p>

Tested Outcomes

Containment Level	Point of Redirection		Tested Article Length (m)	Anchor/Post Spacing (m)	Dynamic Deflection (m)	Working Width (m)	Notes
	Leading (m)	Trailing (m)					
MASH TL2	Post #2	Post #2	7.9	1.905	n/a	n/a	Gating terminal clear run out area required
MASH TL3	Post #3	Post #3	15.48	1.905	n/a	n/a	Gating terminal clear run out area required

Approved Connections

Crash Cushions or Terminals must be fitted to both ends of a barrier	
Public Domain Products	
W-Beam Guardrail	Permitted
Thrie-Beam Guardrail	Not Permitted
Concrete	Not Permitted
Proprietary Products	
	Refer to safety barrier Technical Conditions for Use for accepted proprietary connections.

Design Guidance

This product must be installed and maintained in accordance with the Product Manual and Roads and Maritime specifications	
System length	7.92 metres (TL2) 15.48 metres (TL 3)
System width (m)	0.45 metres
Minimum distance to excavation	N/A
Slope limit	Side slope limit: Vertical (10%)
Systems conditions	Installation on top of a kerb is not recommended, however if installed on top of a kerb all system components must be free to operate.
Gore area use	Not 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 – where rear impact is not possible

Foundation Pavement Conditions					
Pavement	Use	Accepted Speed (max)	Post/Pin Spacing (m)	Post/Pin Type	Pavement Construction
Concrete	Permitted	70	1.905	Baseplated Post [*]	Reinforced Concrete Pad – Refer to Drawings
Deep lift asphaltic concrete					
Asphaltic concrete over granular pavement	Permitted	100 km/h	1.905	Refer drawings	Minimum AASHTO standard soil strength
Flush seal over granular pavement					
Unsealed compacted formation					

** Baseplated post on reinforced concrete pad can be used in all pavement types with a maximum impact speed of 70 km/h*

Note: Installation in pavement conditions not listed above have not been justified to the Roads and Maritime's satisfaction.