

Mobile Barrier MBT-1 Steel Safety Barrier – Temporary

VicRoads Requirements

Refer to Austroads - Safety Barrier System Acceptance Conditions for the Mobile Barrier MBT-1 Steel Safety Barrier. All requirements listed by Austroads have been adopted by VicRoads for use on the Victorian declared road network.

In this instance, VicRoads applies requirements/conditions for use of Mobile Barrier MBT-1 Steel Safety Barrier on the Victorian declared road network including:

- **Vehicle registration requirements**
 - The operator of the vehicle will need to obtain registration and permits of use through VicRoads Customer Service Centres.
 - Registration will need to cover all configurations of the truck, including all variations of 1-3 units of barrier section/trailer components.
- **Route Planning/Traffic Management**
 - Operators must plan routes to avoid over-length or over-weight non-compliance whilst transporting this vehicle.
 - Operators must comply with VicRoads requirements for Traffic Management Plans must be developed for approval by VicRoads project team prior to deployment.

Please Note: VicRoads requirements take precedence over any Product Manual instructions and Austroads conditions where conflicting.



References

- Product Installation Manual and Product Operational Manual refer licensed product supplier website
- NHVP Statement of Requirements – Special Purpose Vehicle In-principle Support
- VicRoads Road Design Note 06-04 Accepted Safety Barrier Products
- VicRoads Standard Drawing SD3573- guidance on the verge and permissible slopes
- VicRoads Standard Drawing SD2001-kerb types
- VicRoads Supplement to Austroads Guide to Road Design – Part 6

For further information please contact:

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Accepted safety barrier products are subject to periodic review and the information provided in this document may be superseded. Please refer to Road Design Note 06-04 – Accepted Safety Barrier products for the current VicRoads acceptance status.

Detail Sheet – Update Summary

Issue	Approved	Amendment
September 2017	M-SSD	First edition

Safety Barrier System Conditions

MOBILE BARRIERS MBT-1 Steel Safety Barrier - Temporary

	Proponent	Mobile Barriers LLC
	Australian Distributor	Dynamic Road Maintenance Services
	New Zealand Distributor	Not applicable
	Date Issued	17 February 2015

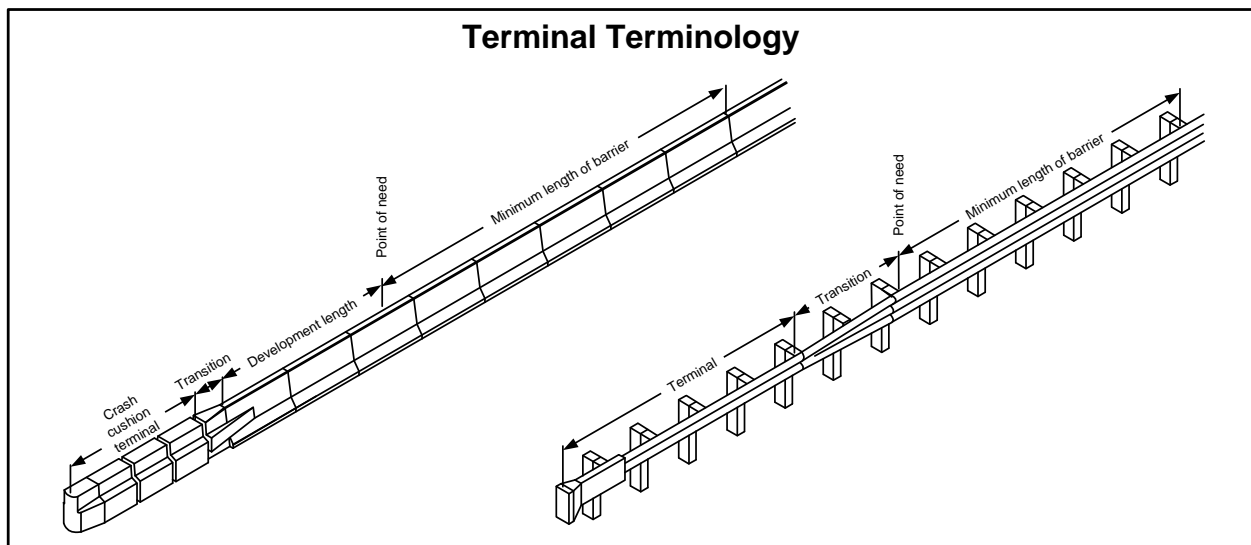
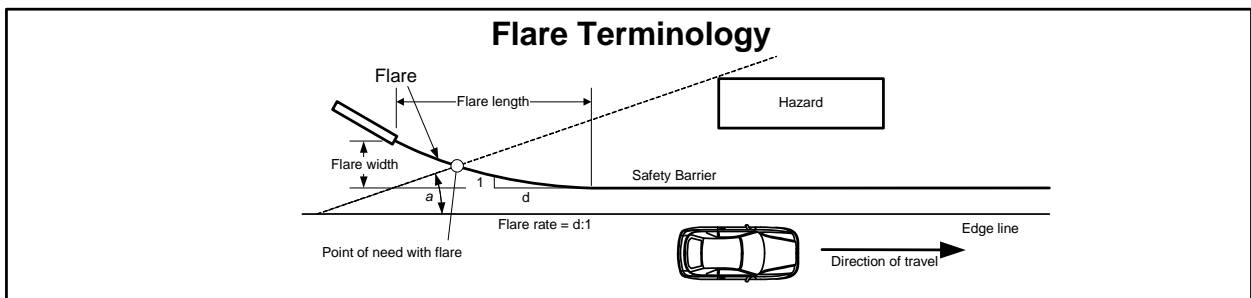
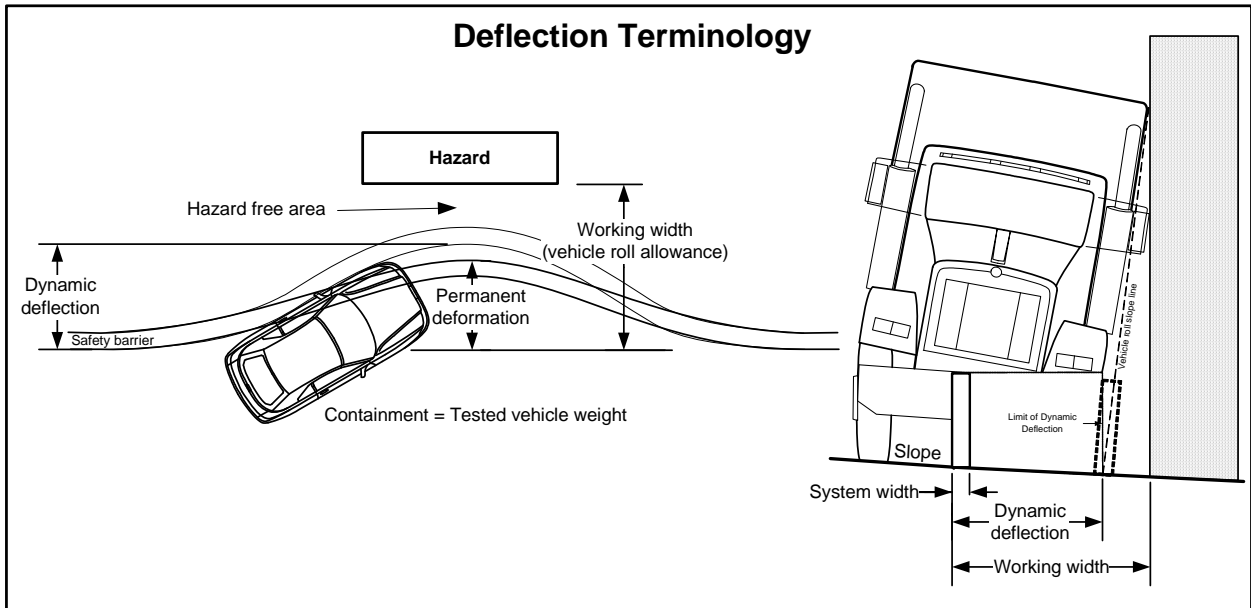
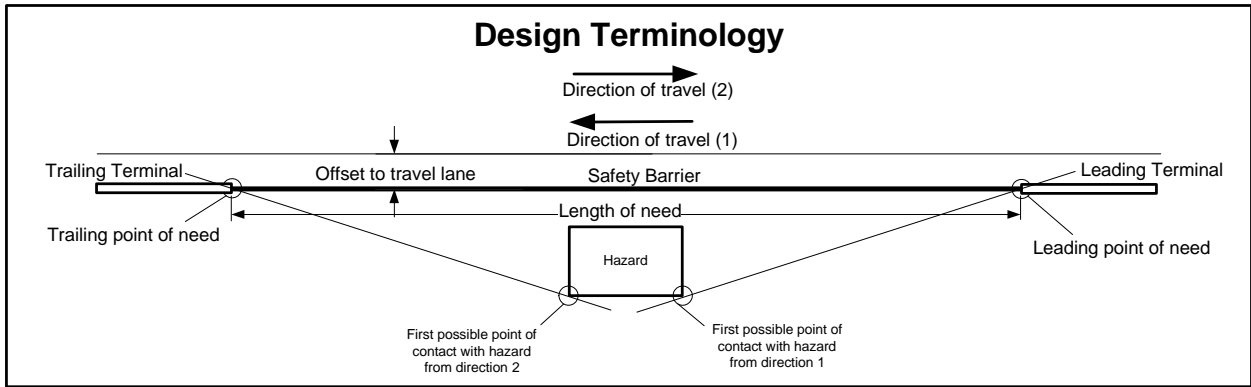
Status	Conditionally Accepted – May be used on the classified road network, subject to road registration of vehicle. These acceptance conditions take precedence over any instructions in the Product Manual.
Variants accepted	MOBILE BARRIERS MBT-1 Steel Safety Barrier - Temporary for temporary works with 1 to 3 extension wall sections.
Variants NOT accepted	<ul style="list-style-type: none"> • Variants that are not on the list above are not accepted. • Variants accepted in other jurisdictions, but not accepted in the local jurisdiction, are NOT permitted.

Speed limit (km/h)	80 km/h.	
Tested containment (kg)	2,270 kg at 100 km/h and 25°.	
Adopted dynamic deflection (Nominal 2 tonne vehicle)	100 km/h	Not applicable.
	80 km/h	0.4 metres.
	70 km/h	0.3 metres.
	50 km/h	Use 70 km/h deflection.
	Deflections shown will be exceeded with high mass vehicles.	
Point of need	Rear of trailer.	
Development length	Not applicable.	
Minimum length of barrier between terminals	Not applicable.	
System width (m)	2.54 metres.	

System conditions	<ol style="list-style-type: none"> 1. Use without a crash tested truck mounted attenuator is NOT permitted. 2. Minimum mass of truck and trailer is 29.5 tonnes.
Terminal conditions	The MOBILE BARRIERS MBT-1 Steel Safety Barrier - Temporary must be protected by a TL-3 rated Truck Mounted Attenuator.
Gore area use	Not applicable.
Pedestrian area use	Not applicable.
Cycleway use	Not applicable.
Frequent impact likely	Permitted.
Remote location	Permitted.
Median use	Permitted.
Minimum median width (m)	Not applicable.
Flare rate (See Explanation of Terms diagram)	Not applicable.

Offset to travel lane (m)	Not applicable.	
Hazard free area beside barrier or terminal (Working Width)	Not applicable.	
Installation	The MOBILE BARRIERS MBT-1 Steel Safety Barrier - Temporary must be installed and maintained in accordance with the Product Manual and Road Agency specifications. The Road Agency specifications and standards shall have precedence.	
Minimum distance to excavation	Not applicable.	
Slope limit	Side slope limit: 15 Horizontal to 1 Vertical (7%).	
Foundation pavement conditions	Concrete	Permitted.
	Deep lift Asphaltic Concrete	Permitted.
	Asphaltic concrete over granular pavement	Permitted.
	Flush seal over granular pavement	Permitted.
	Unsealed compacted formation	Permitted.
	Natural surface	Permitted.
	Foundation pavement conditions must be smooth and free of snag points, kerbs or obstructions that may interfere with the operation of the product.	
Attachments and screens	<p>Visual screens, debris screens, platforms for workers and other non-product hardware must not be attached to the product.</p> <p>Screens may be placed adjacent to the side of the product not exposed to traffic. The distance between the screen and the product shall be determined by a site specific risk assessment that considers the deflection distance.</p> <p>Screens must not have horizontal members that present a risk of impaling errant vehicles that impact the product.</p>	
Damaged components	Damaged components must be replaced. Repaired components must not be used.	
Delineation	The installed system shall include delineation as prescribed by Road Agency specifications and drawings.	
Traceability and markings	<p>Product markings shall be in accordance with marking/s prescribed by the current Australian/New Zealand Standard "AS/NZS 3845 Road Safety Barrier Systems" and Road Agency specifications. Traceability details that must be permanently fixed to the product are:</p> <ul style="list-style-type: none"> • Name of the product. • Manufacturer or distributor name. • Date of manufacture. • Model or version details of the product, if applicable. • Batch number, if applicable. • Serial number, if applicable. <p>Traceability details must be easily visible but unobtrusive and not be in a form that becomes prominent advertising. No advertising shall be displayed on the installation.</p> <p>Traceability must be in a form that will not be erased with use.</p>	
Notes	Conditions are based on the Product Manual supplied by the Proponent (AU140401). This acceptance will cease if there is any change in the product design or specifications.	

	<p>Only the Product Manual authorised by the Proponent shall be used in any marketing of the product.</p>
	<p>Acceptance of the MOBILE BARRIERS MBT-1 Steel Safety Barrier - Temporary does not place any obligation on the Road Agency, or its contractors, to purchase or use the product.</p>
	<p>The Austroads Safety Barrier Assessment Panel may periodically re-assess the MOBILE BARRIERS MBT-1 Steel Safety Barrier - Temporary. The Road Agency may withdraw or modify at any time, the acceptance status or conditions of use of the product without notice. Users should refer to the Road Agency web site to ensure they have the latest version of the conditions related to this product.</p>



Safety Barrier terminology.vsd

For more information, refer to
Austroads Guide to Road Design Part 6: Roadside Design, Safety and Barriers