

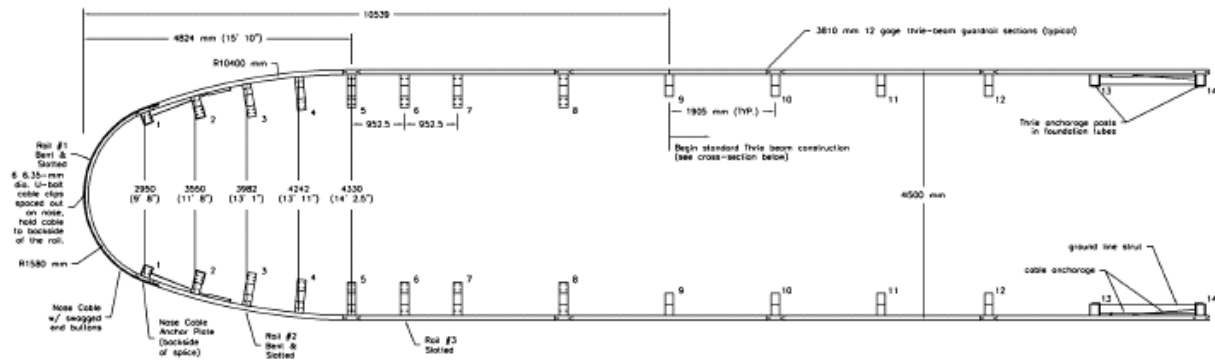
BULLNOSE ATTENUATOR

REVISION REGISTER

Issue & Revision	Description	Date
1	Issued for use.	3/03/2006.

This is a non-proprietary crash attenuator suitable as an end treatment for Thrie Beam barriers and with appropriate transitions suitable for other systems (W-beam and post and rail barriers).

Drawing:



Ownership: Non-proprietary.

Supplier: Not applicable.

Test Level: Tested in accordance with NCHRP 350 to TL3.

Configuration:

As shown in FHWA approval letter CC68.

Design:

- Used in median locations to protect the ends of two separate barrier systems.
- Although shown to be used with a separation of 4.5 m between the face of the barrier systems can be used where the separation between the barriers is greater by flaring the barriers into an offset of 4.5 m at flare rates in accordance with AS / NZS 3845 Table B2.
- The leading edge of the bullnose attenuator should be located a minimum of 19 m in advance of any shielded hazard and over this length the surface should be graded at less than 1 in 10 and be traversable.
- Transition to other barrier types shall not occur before post 9.

Limitations:

- Will only be suitable for use at specific locations.

Installation and Maintenance Requirements:

The end treatment is to be installed and maintained as W-Beam barrier systems and in accordance with the drawings contained with the relevant FHWA approval letters.

Parts to be Replaced after Impact:

Damaged rail and posts.

Parts Typically Re-Useable after Impact:

Un-damaged rail and posts.

References:

Relevant FHWA Approval Letters:

(Refer to website http://safety.fhwa.dot.gov/fourthlevel/hardware/term_cush.htm)

Code	Description
CC-68	TL 3 approval for the bullnose attenuator.*

*Note the flare rates referred to in the approval letter shall be substituted with those contained in AS / NZS 3845.