

Product Evaluation

PRODUCT INFORMATION

PRODUCT NAME: MATT – Median Attenuating
TREND Terminal

MANUFACTURER: Valtir LLC, Addison, Texas,
USA

WEBSITE: <https://www.valtir.com>

SUPPLIER: Roadside Supply Ltd., Ardrossan, AB

DESCRIPTION:

The MATT system is a double-sided, redirective, gating, and energy-absorbing attenuator. The full system measures 34 feet 4½ inches (10.477 m) in length and has a height of 31 inches (787 mm). The system is built from multiple components, including 10- and 12-gauge slotted guardrail sections, transition guardrail with integrated fins, a 10-gauge head rail, an impact head, CR top and bottom posts, Steel Yielding Terminal Post (SYTP) posts with soil plates, system line posts, angle struts, cable assemblies, spacers, composite offset blocks, and other hardware.

POTENTIAL USAGE:

MATT may be used for roadside, shoulder, and gore installations.

DISCLAIMER: The product descriptions and potential usage outlined in this section are based solely on the manufacturer's claims. Transportation and Economic Corridors does not verify or endorse these claims.

ALBERTA TRANSPORTATION AND ECONOMIC CORRIDORS COMMENTS

EXPERIENCE

Transportation and Economic Corridors has no experience with this product.

APPLICABLE STANDARDS

Transportation and Economic Corridors standard specifications for guardrail are:

- Specification 2.19, Guardrail and Guideposts
- Specification 5.25, Supply of Thrie Beam and W-Beam Guardrail and Posts
- Specification 5.27, Supply of Cable Barrier and Metal Posts

RECOMMENDATIONS

MATT – Median Attenuating TREND Terminal be listed as a Reviewed Product under Transportation and Economic Corridors Products List, Highway Safety Devices – Impact Attenuators – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat:

1. MATT is limited to unidirectional applications at shoulder or gore locations and is not permitted for bidirectional applications, including medians.
2. MATT may only be connected to Strong Post Double-sided W-Beam barrier and shall not be connected to concrete or Thrie Beam barrier.
3. MATT has installed height of 31 inches (787 mm). Where it transitions to Strong Post W-Beam at 27.75 inches, the transition must occur only after the full MATT system has been installed at 31 inches.

TRIAL PROJECTS

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