

Maine Department of Transportation
 Field Inspection of Trinity Highway's
 MATT Safety Hardware System on Maine Highways

Project No.		Date		Inspector	
LAT		LONG		Installer	

Ensure that proper installation procedures were used during initial installation and/or maintenance:

Scoring

- 1 - Meets all requirements and within tolerances
- 2 - Meets all but one of the requirements and/or within 1in. of tolerances
- 3 - More than one part of the criteria not met and/or more than an 1in. outside tolerances

1. Ensure proper site grading complies with state/specifying agency guidelines and/or AASHTO Roadside Design Guide, whichever is more stringent.

Score ____

2. Ensure required traffic control is in place to conduct MATT™ assembly.

Score ____

3. Ensure only Valtir provided MATT™ parts are used for the assembly of the MATT™ and that all parts are free of damage.

Score ____

4. Under NO circumstances shall the rail within the MATT™ be curved, between Post 1 and Post 6. Ensure all MATT™ post spacings are 6'-3" [1.905 m] on center.

Score ____

5. Ensure the Strut Hole of the MATT™ CR Post 1 Bottom with Soil Plate is **upstream** and the Post is 4" [100 mm] (+1", -0") [+25 mm, -0 mm] above the finished grade.

Score ____

6. Ensure Soil Plates are installed on the downstream side of Posts 1-6

Score ____

7. Ensure the center of the SYTP® yielding holes at Posts 2-5 are approximately centered at finished grade.

Score ____

8. Ensure the MATT™ Strut Adapter Plate (at Post 2) and Strut are installed between Post 1 and 2 on the post side OPPOSITE the closest traffic, when assembled in a Median or Roadside application. When assembled in a Gore application, it is acceptable to place them on either side of the post(s).

Score ____

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9. Ensure the toe of the Strut's vertical leg is pointed down.

Score ____

10. Ensure the downstream slotted holes in the MATT™ Double Spacer is bolted to the downstream hole of the MATT™ CR Post 1 Top and the MATT™ SYTP® (Post 2).

Score ____

11. Ensure the upstream slotted hole in the MATT™ Spacer (Posts 3-5) is bolted to the MATT™ SYTP® with Soil Plate using the upstream hole in the post.

Score ____

12. Ensure all MATT™ Guardrails are installed 31" [787 mm] (+1", -0") [+/- 25 mm, -0] from finished grade.

Score ____

13. Ensure all MATT™ 12 Gauge Transition Guardrails with Fin-4, at post location 6, are lapped in the direction of the nearest adjacent traffic and fins are positioned upstream.

Score ____

14. Ensure the MATT™ 12 Gauge, Slotted Intermediate Guardrails with Fin-3 are lapped to the outside of the MATT™ 12 Gauge Transition Guardrails with Fin-4.

Score ____

15. Ensure the MATT™ 12 Gauge, Slotted Intermediate Guardrails with Fin-3 are lapped to the outside of the MATT™ 12 Gauge, Slotted Intermediate Guardrails with Fin-3.

Score ____

16. Ensure the MATT™ 12 Gauge, Slotted Intermediate Guardrails-2 are lapped to the outside of the MATT™ 12 Gauge, Slotted Intermediate Guardrails with Fin-3.

Score ____

17. Ensure the MATT™ 10 Gauge, Slotted Front Guardrails-1 are lapped to the outside of the MATT™ 12 Gauge, Slotted Intermediate Guardrails-2.

Score ____

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18. Ensure the MATT™ 10 Gauge Head Rails are **lapped to the outside** of the MATT™ 10 Gauge Slotted Front Guardrails-1.

Score ____

19. Ensure the MATT™ Backing Plate is **assembled on the outside** of the MATT™ Guardrail Panels at Posts 2, 3, 4 and 5.

Score ____

20. Ensure the 5/8" heavy flat washers (1/4" thick) are placed between the nut and spacers at Posts 1-5.

Score ____

21. Ensure the MATT™ Head Tube is attached to the MATT™ Impact Head and it is less than 1/4" [6mm] from the MATT™ CR Post 1 Top.

Score ____

22. Ensure all MATT™ fasteners identified in Step 16 are **torqued to 65 ft-lb [88 Nm], (+/- 3 ft-lb) [+/- 4 Nm]**.

Score ____

23. Ensure all MATT™ fasteners that are NOT required to be torqued are tightened to a snug position with a minimum of two (2) bolt threads protruding beyond the nut.

Score ____

24. Ensure the Cable Anchor Bracket Angle is hooked over the MATT™ CR Post 1 Top and the cable is taut.

Score ____

25. Ensure delineation is placed on the MATT™ Impact Head per MUTCD and/ or state/specifying agency.

Score ____

26. Ensure any steel delineator posts are a minimum of 3'-0" [1 m] upstream from the MATT™ Impact Head.

Score ____