

Maine Department of Transportation
Field Inspection of Trinity Highway's
Max Tension Median 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. Slot on post 1 is facing upstream; Slot on post 2 is facing downstream.

Score ____

2. System installed without offset or with allowable offset of 0-2 ft.

Score ____

3. System height shall be 31" +/- 1".

Score ____

4. Post spacing should be 75" at top of the post for all system spaces except space between posts 1-2, and 5-6. Space between posts 1-2 should measure 37 1/2"; space between posts 5-6 should measure 72 3/4", both measured at top of post.

Score ____

5. Bolt, two washers, and guardrail nut are installed at the base of post 1 connecting post 1 to the ground strut.

Score ____

6. No blockout at post 1.

Score ____

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7. Posts 4, 5 and 6 are not connected to rails on both sides of the system.
Rail 2 supported by panel hangers at post 4.

Score ____

8. Slider Joint - inner side slider (ISS) should be attached to upstream end of rail 3 with nuts on non-traffic side.

Score ____

9. Slider Joint - traffic side slider (TSS) should be attached to downstream end of rail 2 with nuts on the traffic side and arrow pointing toward the front of the system.

Score ____

10. Tooth is installed and engaged in the slot at the slider joint, primary side only. No tooth on secondary side.

Score ____

11. Tooth should be oriented with RSS panel engagement hook facing front of system.

Score ____

12. Guardrail panels should be lapped with the upstream most rail on the outside. Rail 1 over rail 2, rail 2 over rail 3, rail 3 over rail 4, and rail 4 over existing rail.

Score ____

13. Rail 1 and rail 2 spliced with guardrail nuts on outside.

Score ____

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14. Secondary side rail 1 bolted to correct slot set on impact head so impact head is perpendicular to roadway.

Score ____

15. Guardrail nuts on impact head are on the outside.

Score ____

16. Rectangular washer and square washer used at post 1.

Score ____

17. Friction plate is installed inside impact head with cables in the proper position.

Score ____

18. Cable sleeves are at front of system. Sleeves shall rest min. of 6" away from the impact head.

Score ____

19. From the groundstrut and soil anchor, the cable closest to the traffic side of the system passes through the bottom hole on the impact head.

Score ____

20. Friction plate is turned to engaged position with cables in the proper position.

Score ____

21. Friction plate bolts are completely tightened with cables in the proper position.

Score ____

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22. Cables should be taut and not visibly sagging.

Score ____

23. Slider Joint - rear side slider (RSS) should be attached with the nuts on the non-traffic side and arrow pointing toward the front of the system.

Score ____

24. TSS and RSS arrows should be aligned so as to see through them when installed.

Score ____

25. 8 bolts should connect the TSS to the RSS.

Score ____

26. Cable clamps installed a minimum of 6 in. away from the impact head.

Score ____