

**Maine Department of Transportation
Field Inspection of Trinity Highway's
Max-Tension TL2 System End Terminals 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. The rail height as measured from the finished grade to the top of rail is 31" ± 1"

Score

2. The cable closest to the traffic side of the system passes through bottom hole on impact head.

Score

3. Cable sleeves are at the front of the system. The sleeves shall rest a minimum of 6 inches below the impact head.

Score

4. No blockout at post 1.

Score

5. Slot on post 1 is on the upstream end of the system.

Score

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

Score

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

Score

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

Score ____

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

Score ____

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

Score ____

11. Impact head spliced to rail 1 with guardrail nuts on outside.

Score ____

12. Slider Joint - traffic side slider (TSS) should be attached to the downstream end of rail 1 with nuts on the traffic side and arrow pointing toward the front of the system.

Score ____

13. Slider Joint - inner side slider (ISS) should be attached to the upstream end of rail 2 with nuts on the non-traffic side.

Score ____

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

Score ____

15. 8 bolts should connect the TSS to the RSS and should pass from the TSS to the RSS.

Score ____

16. The tooth is installed and engaged in the slot at the slider joint.

Score ____

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

Score ____

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

Score ____

19. Cables should be taut and not visibly sagging.

Score ____

20. System installed without offset or of \leq 2 ft.

Score ____

21. All guardrail panels should be lapped with the upstream most rail on the outside. Rail 1 over rail 2, rail 2 over existing rail.

Score ____

22. Post spacing should be 75" at top of the post for all system spaces except space between posts 1-2, and 3-4.

Score ____

23. Space between posts 1-2 should measure $37\frac{1}{2}$ " at the top of the posts

Score ____

24. Space between posts 3-4 should measure $72\frac{3}{4}$ " at the top of the posts

Score ____

25. Two washers are installed at the base of post 1 connecting post 1 to the ground strut.

Score ____