

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 1 in. of tolerances
- 3** - More than one part of the criteria not met and/or more than an 1 in. 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 ½ " at the top of the posts

**Score** \_\_\_\_

24. Space between posts 3-4 should measure 72 ¾" 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** \_\_\_\_