

Maine Department of Transportation
Field Inspection of Trinity Highway's
Max-Tension TL3 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" \pm 1"[787 mm].
Score ____
 2. There is no curved rail within the terminal limits.
Score ____
 3. The slot on Post 1 is facing upstream.
Score ____
 4. Slot on Post 2 is facing downstream.
Score ____
 5. System installed with offset at less than 2 ft.
Score ____
 6. Bolt, 2 washers, and guardrail nut are installed on post1 connecting post 1 to the ground strut
Score ____
 7. There is no blockout on post 1.
Score ____
 8. Posts 4, 5, and 6 are not attached to the rails on both sides of the system.
Score ____
 9. Sider Joint- Inner slider joint (ISS) is attached to the upstream end of rail3 with nuts on the non- traffic side.
Score ____
 10. Sider Joint- Traffic slider joint (TSS) is attached to downstream end of rail 2 with nuts on the traffic side and arrow pointing toward the front of the system.
Score ____
 11. Tooth is installed and engaged in the slot at the slider joint, primary side only. No tooth on secondary side.
Score ____

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12. Tooth is oriented with the rear side slider (RSS) panel engagement hook facing front of system.
Score ____
13. Rail 2 is supported by panel hangers at post 4.
Score ____
14. 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 ____
15. Rail 1 and 2 spliced with guardrail nuts on the outside.
Score ____
16. Secondary side rail 1 bolted to correct slot set on the impact head so that the impact head is perpendicular to the roadway.
Score ____
17. Guardrail nuts on impact head are on the outside.
Score ____
18. Rectangular washer and square washer used at post 1.
Score ____
19. Friction plate is turned to engaged position with the cables in the proper position.
Score ____
20. Friction plate bolts are completely tightened with the cables in the proper position.
Score ____
21. Cables are taut and not visibly sagging.
Score ____
22. RSS of slider joint is attached with nuts on the non-traffic side and arrow pointing toward the front of the system.
Score ____
23. TSS and RSS arrows are aligned so as to see through them when installed.
Score ____
24. 8 bolts connect the TSS to the RSS.
Score ____
25. Cable clamps installed a minimum of 6 in. away from the impact head.
Score ____

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26. Grading is 5 ft. wide behind the impact head tapering to 2 ft. minimum behind post 5 and beyond with a cross slope of 1V to 10H.

Score ____

27. Guardrail delineation and reflective sheeting are in place and oriented correctly.

Score ____

28. The slope of the area immediately behind the guardrail widening is 3:1 or flatter.

Score ____