

Maine Department of Transportation
Field Inspection of Valtir's
4F-T 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/or 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 4F-T™ assembly.

Score ____

3. Ensure only Valtir, LLC provided 4F-T™ parts are used for the assembly of the 4F-T™ and that all parts are free of damage.

Score ____

4. Under NO circumstances shall the rail within the 4F-T™ be curved between Post 1 and Post 9. Ensure all 4F-T™ post spacings are 4'-2" [1.270 m] on center.

Score ____

5. Ensure the soil around all posts is properly compacted. When leave outs are necessary, use only state/specifying agency approved backfill material within the leave out area.

Score ____

6. Ensure Soil Plates are installed on the downstream side of Posts 1-3.

Score ____

7. Ensure the 4F-T™ HBA® Post 1 Top and Bottom are oriented correctly with the 1/2" bolt holes located upstream of the 3/4" bolt holes. The portion of the 4F-T™ HBA® Bottom Post 1 is 1 3/4" [44 mm] (+1", -0") [+25 mm, -0 mm] above the finished grade.

Score ____

8. Ensure the center of the SYTP® yielding holes at Posts 2-9 are approximately centered at finished grade.

Score ____

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9. Ensure the 4F-T™ Formed Ground Strut is attached to Post 1 & 2 and oriented correctly – the flat portion is up and cable positioning slot is upstream.

Score ____

10. Ensure 4F-T™ Spacer Blocks (standard and anchor) are approximately centered and bolted to the post using the Upstream hole of the 4F-T™ Spacer Block and SYTP® post.

Score ____

11. Ensure the 4F-T™ 10 ga System Rail panels are oriented with the long slots and dimples assembled downstream.

Score ____

12. Ensure the 5/8" heavy flat washers (1/4" thick) are placed between the nuts and spacers at Posts 1-9.

Score ____

13. Ensure all 4F-T™ 10 ga System Rail Guardrails are lapped to the outside of the downstream rail panels.

Score ____

14. Ensure all 4F-T™ 10 ga System Rail are installed 31" [787 mm] (+1", -0") [+25 mm, -0 mm] from finished grade.

Score ____

15. Ensure all 4F-T™ fasteners identified in Step 16 are torqued to 100 ft-lb [135 Nm], (+/- 5 ft-lb) [+/-7 Nm].

Score ____

16. Ensure the 4F-T™ Backing Plate is assembled on the outside of the 4F-T™ 10 ga System Rail Panels at Posts 2-9.

Score ____

17. Ensure all 4F-T™ 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 ____

18. Ensure the 4F-T™ Bearing Plate bend is located at the top of the plate, facing Post 1 and the cable is taut.

Score ____

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19. Ensure the wire rope portion of the 4F-T™ Anchor Cable is NOT in contact with the 4F-T™ Anchor Spacer at Post 2.

Score ____

20. Ensure delineation is placed on the 4F-T™ Impact Head per MUTCD and/or state/specifying agency.

Score ____

21. Ensure that the first line post (Post 10), not included, is not leaning back more than 3" [76 mm].

Score ____

22. Ensure any steel delineator posts are a minimum of 3' [~1 m] upstream from the 4F-T™ Impact Head.

Score ____