

Inspector Quantlist Report 20211118

Diary Number: \_\_\_\_\_

Inspector Name: \_\_\_\_\_

TRACS Number: \_\_\_\_\_

Date: \_\_\_\_\_

Division IX: Incidentals

Title: SoftStop Tangent End Terminal MASH TL-3 (50' - 9 1/2") 8" and 12" composite blocks

Admin Instructions: Use this Quantlist with Manufacturers Assembly Manual supplied by the Manufacturer/Contractor/Subcontractor or download the Manual from [www.trinityhighway.com](http://www.trinityhighway.com)

Plan Reference:
Route:
Offset from edge line:
Begin Station:
End Station:

Attribute Numbers	Compliance	Narratives	References
0.		All stakeholders participated in the pre-activity meeting.	Construction Bulletin 02-01
1.		Certificates of Compliance or Certificates of Analysis conforming to the requirements of Subsection [106.05] shall be submitted.	Standard Specifications 1012-1 Standard Specifications 106.05 Standard Specifications 905-2
2.		The Contractor furnished Certificates of Compliance conforming to the requirements of Subsection 106.05, which state that steel or iron products incorporated in the project meet the "Buy America" Act requirements certifying that all manufacturing processes producing a steel or iron product, including any application of a coating to iron or steel, occurred in the United States.	23 CFR Part 635 Special Provisions 106.15 Standard Specifications 106.05
3.		AZ811 or Blue stake is done before placement of the post (locating utility, pipes, box culverts and sleeves).	Standard Specifications 107.15
4.		High Strength Bolts, Nuts, Washers, or Anchor Bolts. Certificate of Analysis required and three samples per lot, or 0.1% of lots in excess of 3000, for each bolt diameter, including nuts and washers.	Construction and Materials, Materials Quality Assurance. Appendix C 1012

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5.		For other than High Strength Anchor Bolts, Certificate of Compliance required and three samples per lot, or 0.1% of lots in excess of 3000, for each bolt diameter, including nuts and washers.	Construction and Materials, Materials Quality Assurance. Appendix C 1012
6.		When a traffic control plan is included in the project plans, this plan shall govern unless an alternate plan, acceptable to the Engineer, is submitted by the contractor.	Standard Specifications 701-1
7.		Earthwork placement, grading, compacting, and bituminous surfacing shall be completed prior to installation of posts for guardrail terminals.	Standard Specifications 905-3.10
8.		The Bituminous approach and widening is built to plans dimensions.	Layout For SoftStop Terminal Pad C10.20
9.		The Bituminous approach and widening matches the cross slope of the existing roadway.	Layout For SoftStop Terminal Pad C10.20
10.		Ensure only Trinity Highway SoftStop® System parts are used for the assembly of the SoftStop® System and that all parts are free of damage.	SoftStop System Tangent End Terminal Assembly Manual
11.		Ensure that soil around all posts is properly compacted and posts are free to rotate. When leave-outs are necessary, use only state/specifying agency approved backfill material within the leave-out area.	SoftStop System Tangent End Terminal Assembly Manual
12.		Ensure SoftStop® System offset does not exceed max allowed by test level and radii. Convex Curve: For radii of 650 feet or greater (flatter), the offset is 0 feet to 2 feet.	SoftStop System Tangent End Terminal Assembly Manual
13.		Ensure SoftStop® System offset does not exceed max allowed by test level and radii. Concave Curve: For radii between 500 feet and 750 feet, the offset is 0 feet to 1.5 feet and for radii greater (flatter) than 750 feet, the offset is 0 feet to 2 feet.	SoftStop System Tangent End Terminal Assembly Manual
14.		Ensure no rail panels, between Post 0 and last post within the SoftStop® System are curved.	SoftStop System Tangent End Terminal Assembly Manual
15.		Ensure the center of the SYTP® yielding holes are approximately centered at finished grade line for Post 1 & 2.	SoftStop System Tangent End Terminal Assembly Manual
16.		Ensure the fully assembled SoftStop® Anchor Post (Post 0) has a maximum height of 4" and a minimum height of 3 3/4" above finished grade line.	SoftStop System Tangent End Terminal Assembly Manual
17.		Ensure that the SoftStop® Anchor Rail is not bolted to Post 2 (SYTP®).	SoftStop System Tangent End Terminal Assembly Manual
18.		Ensure 8" or 12" composite offset blocks are properly in place and not damaged or rotated.	SoftStop System Tangent End Terminal Assembly Manual
19.		Ensure that the SoftStop® System Rail height is approximately 31" above the finished grade.	SoftStop System Tangent End Terminal Assembly Manual

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20.		Ensure rails are lapped in the direction of traffic immediately adjacent to the installation.	SoftStop System Tangent End Terminal Assembly Manual
21.		Ensure the SoftStop® Impact Head Connection Bracket is attached to the front side of SoftStop® Post 1 (SYTP®) with required 5/16" hardware.	SoftStop System Tangent End Terminal Assembly Manual
22.		Ensure SoftStop® Impact Head has no more than 3 1/2" [89mm] of upward tilt.	SoftStop System Tangent End Terminal Assembly Manual
23.		Ensure the SoftStop® Anchor Paddle is installed on top of the SoftStop® Anchor Rail and the two (2) 3/4" bolts utilized are installed from the bottom of the SoftStop® Anchor Rail.	SoftStop System Tangent End Terminal Assembly Manual
24.		Ensure that the SoftStop® Keeper Plate and Plate Washer are properly positioned with required hardware.	SoftStop System Tangent End Terminal Assembly Manual
25.		Ensure the 1" Hex Nut has been fully tightened against the SoftStop® Plate Washer.	SoftStop System Tangent End Terminal Assembly Manual
26.		Ensure that both SoftStop® Anchor Angles are properly positioned.	SoftStop System Tangent End Terminal Assembly Manual
27.		Ensure the SoftStop® Angle Strut is properly attached on the non-traffic side with the "toe" of the vertical leg down.	SoftStop System Tangent End Terminal Assembly Manual
28.		Ensure that all fasteners of the SoftStop® System are tightened to a snug position with a minimum of two threads protruding beyond the nut.	SoftStop System Tangent End Terminal Assembly Manual
29.		Ensure delineation is placed on SoftStop® Impact Head Strike Plate per MUTCD and/or state/specifying agency.	SoftStop System Tangent End Terminal Assembly Manual
30.		Ensure any steel delineator posts are a minimum of 6" in front of Post #0.	SoftStop System Tangent End Terminal Assembly Manual
31.		The color of the reflective portion of the barrier markers conform to the color of the adjacent edge line.	Standard Specifications 905-3.11 (A)
32.		Flexible vertical delineators shall be installed on the side of the post facing oncoming traffic, level and true, with the retroreflective sheeting 38 inches above the roadway surface.	Standard Specifications 905-3.11(A)
33.		Assembly Checklist is complete & filed inside the Project Folder.	SoftStop System Tangent End Terminal Assembly Manual
34.		Quantlist Minimum Frequency is being followed, One per installation.	Construction Bulletin 07-01