

# Assembly Inspection Checklist (File With Project Folder)

Performed by: \_\_\_\_\_

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

Location: \_\_\_\_\_

- Ensure required traffic control is in place to conduct SoftStop® System assembly. (p. 5)
- Ensure only Trinity Highway SoftStop® System parts are used for the assembly of the SoftStop® System and that all parts are free of damage. (p. 5)
- Ensure proper site grading complies with state/specifying agency guidelines or AASHTO Roadside Design Guide, whichever is more stringent. (p. 14)
- 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. (p. 19)
- Ensure SoftStop® System offset does not exceed max allowed by test level and radii. (pp. 16-17)
- Ensure no rail panels, between Post 0 and last post within the SoftStop® System are curved. (p. 16)
- Ensure the center of the SYTP® yielding holes are approximately centered at finished grade line for Post 1 & 2. (p. 25)
- Ensure the fully assembled SoftStop® Anchor Post (Post 0) has a maximum height of 4" [102 mm] and a minimum height of 3 3/4" [96 mm] above finished grade line. (p. 21)
- Ensure that the SoftStop® Anchor Rail is not bolted to Post 2 (SYTP®). (pp. 30-31)
- Ensure 8" [203 mm] composite offset blocks are properly in place and not damaged or rotated. (pp. 26-27)
- Ensure that the SoftStop® System Rail height is approximately 31" [787 mm] above the finished grade. (p. 6)
- Ensure rails are lapped in the direction of traffic immediately adjacent to the installation. (pp. 28-31)
- Ensure the SoftStop® Impact Head Connection Bracket is attached to the front side of SoftStop® Post 1 (SYTP®) with required 5/16" hardware. (p. 34)
- Ensure SoftStop® Impact Head has no more than 3 1/2" [89mm] of upward tilt. (p. 22)
- 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. (pp. 33 and 36)
- Ensure that the SoftStop® Keeper Plate and Plate Washer are properly positioned with required hardware. (p. 37).
- Ensure the 1" Hex Nut has been fully tightened against the SoftStop® Plate Washer. (p 37)
- Ensure that both SoftStop® Anchor Angles are properly positioned. (p. 38)
- Ensure the SoftStop® Angle Strut is properly attached on the non-traffic side with the "toe" of the vertical leg down. (p. 38)
- Ensure that all fasteners of the SoftStop® System are tightened to a snug position with a minimum of two threads protruding beyond the nut.
- Ensure delineation is placed on SoftStop® Impact Head Strike Plate per MUTCD and/or state/specifying agency. (p. 39)
- Ensure any steel delineator posts are a minimum of 6" from the front of Post #0. (p. 39)