

5 MFLEAT Inspection Checklist

State: _____

Date: _____

Project #: _____

Location: _____

- The rail height is in accordance with the contract plans. This should be 31" ± 1" above the edge of the finished grade.
- There is no radiused rail within the MFLEAT 39'-7" length.
- All rails are lapped in the proper direction with traffic.
- The MFLEAT has been placed with a 3'-0" straight flare offset between posts #1 and #9 over the 39'-7" length.
- The end rail panel is not attached to post #1. All other posts are attached to the rail.
- The end rail panel has ½" x 4" slots and is 12'-6" long. The second rail must be 10'-5" long to establish the mid-span splice between posts #5 & #6. The third rail length is 13'-6 ½" long.
- The ¾" x 8 ½" hinge bolt at posts #2 and #3 is on the downstream sides of the posts.
- The ⅝" x 9" bolt connecting upper and lower post #1 is on the upstream side of the post.
- The lower stubs at posts #1, #2, and #3 does not protrude more than 4" above the ground line (measured by the AASHTO 5' cord method). Site grading may be necessary to meet this requirement.
- At posts #2 and #3, the open-ended slot at the post bolts are on the upstream side of the posts.
- Standard steel W6x9# x 6'-0" guardrail posts are used at post locations #4 to #8.
- The post spacing within the MFLEAT (beginning at Post #1) is 2 spaces at 6'-3" centers, 5 spaces at 4'-2" centers, and at Post #8 continuing 6'-3" centers thru the MGS Guardrail.
- The blockouts are 8" or 12" deep depending on State or local agency standards.
- The MFLEAT impact head exit slot is toward traffic.
- Two 5/16" x 1" hex bolts attaching impact head to 6" x 6" x ⅛" upper post #1 are secured.
- The 8" x 8" bearing plate at post #1 is correctly positioned with the 5" dimension up and 3" dimension down and setting on the extended cap plate of lower post #1. The anchor cable is taut and correctly installed.
- A 5/8" x 5" long bolt is secured to the bearing plate and placed in the hole of upper post #1.
- A ground strut is secured between posts #1 & #2 using the ¾" x 8 ½" hinge bolt at post #2 and a second ⅝" x 9" hex bolt at post location #1.
- The cable anchor bracket shoulder bolts are properly attached to the W-Beam guardrail and the cable anchor bracket is fully seated on the shoulder portion of the bolts.
- If the posts were augered, the backfill material around the posts is properly compacted.
- No washers are used on the face of the rail except at the cable anchor bracket bolts.
- The grading and finished installation is in accordance with all specific State DOT guidelines.

Additional notes:

Inspection performed by: _____