

# 5 MSKT-SP-MGS (MSKT) 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 radius rail within the MSKT 50'-0" length (TL-3).
- The end rail panel is not attached to the post at post location #1.
- The end rail panel has ½" x 4" slots and all rails are lapped in the proper direction.
- The end rail panel is 12'-6" long. The second rail must be 9'-4 ½" long to establish the mid-span splices between posts. A second rail length of 15'-7 ½" may also be used.
- The ¾" x 8 ½" hinge bolt at post #2 is on the downstream side of the post.
- The ⅝" x 9" hinge bolt at post location #1 is on the upstream side of the post.
- The lower stub at posts #1 and #2 do 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 post #2, the open-ended slot(s) at the post bolt is on the upstream side of the post.
- Standard steel W6x9# x 6'-0" guardrail posts are used at post locations #3 and beyond. Timber CRT posts may also be used at post locations #3 and beyond.
- All posts within the MSKT are spaced at 6'-3" centers.
- The blockouts are 8" or 12" deep depending on State or local agency standards.
- The MSKT impact head does not encroach on the shoulder.
- The two 5/16" x 1" hex bolts holding the impact head to post #1 are secured.
- The 8" x 8" bearing plate at post #1 is correctly positioned with the 5" dimension up (resting on the angle spacer) and 3" dimension down. The anchor cable is taut and correctly installed. A retainer/tie has been placed over the bearing plate to prevent rotation.
- 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 finished installation is in accordance with all specific State DOT guidelines.

Additional notes:

\_\_\_\_\_  
\_\_\_\_\_

Inspection performed by: \_\_\_\_\_