

## MSKT MASH TANGENT TERM INSPECTION CHECKLIST

Inventory ID	District	County	State Road Number
Section	Sub-Section	Roadway ID	Mile Post

Compliant		Inspection Checklist
YES	NO	
		1. The rail height is in accordance with the contract plans. This should be 31" +/- 1" above the edge of the finished grade.
		2. There is no radius rail within the MSKT 50'-0" length (TL-3).
		3. The end rail panel is not attached to the post at post location #1.
		4. The end rail panel has 1/2" x 4" slots and all rails are lapped in the proper direction.
		5. The end rail panel is 12'-6" long. The second rail must be 9'-4-1/2" long to establish the mid-span splices between posts. A second rail length of 15'-7-1/2" may also be used.
		6. The 3/4" x 8-1/2" hinge bolt at post #2 is on the downstream side of the post.
		7. The 5/8" x 9" hinge bolt at post location #1 is on the upstream side of the post.
		8. 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.
		9. At post #2, the open-ended slot(s) at the post bolt is on the upstream side of the post.
		10. 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.
		11. All posts within the MSKT are spaced at 6'-3" centers.
		12. The blockouts are 8" or 12" deep depending on State or local agency standards.
		13. The MSKT impact head does not encroach on the shoulder.
		14. The two 5/16" x 1" hex bolts holding the impact head to post #1 are secured.
		15. 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.

## MSKT MASH TANGENT TERM INSPECTION CHECKLIST

**Inventory ID:** \_\_\_\_\_

<b>Compliant</b>		<b>Inspection Checklist</b>
<b>YES</b>	<b>NO</b>	
		16. A ground strut is secured between posts #1 & #2 using the 3/4" x 8-1/2" hinge bolt at post #2 and a second 5/8" x 9" hex bolt at post location #1.
		17. 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.
		18. If the posts were augered, the backfill material around the posts is properly compacted.
		19. No washers are used on the face of the rail except at the cable anchor bracket bolts.
		20. The finished installation is in accordance with all specific State DOT guidelines

<b>Inspector #1 Name:</b>	<b>Signature:</b>	<b>Date:</b>
<b>Inspector #2 Name:</b>	<b>Signature:</b>	<b>Date:</b>