5 MBEAT Inspection Checklist

State:Project #:		Date: Location:	
	The 6" x 6" x 9'-1034" long end tube rail is the special 1/8" thickness tube as supplied by the manufacturer with the four corners cut at the approach end where the impact head is placed.		
		at least one 18'-0" long (minimum) 6" x 6" x 3/16" standard tube pecial 9'- 10^{3} 4" long 1/8" end tube rail section.	
	The 1/8" end tube rail is b	olted to the standard tube section with two end splice channels.	
	6'-0" within the standard of	t post location #3 plus at least two more 3" weak posts spaced at downstream 6" x 6" x $3/16$ " box beam barrier. The 3" weak posts ned on the back side away from traffic.	
		connecting the hinge post top and bottom #2 is on the downstream bottom post #2 are W6 x 9# (or W6 x 8.5#) material.	
		nnecting top & bottom post #1 is on the upstream side of the post. 8" tubing. Bottom post #1 is W6 x 15# material.	
		s #1 and #2 are spaced at 6'-3" and do not protrude more than 4" easured by the AASHTO 5' cord method). Site grading may be uirement.	
	The 6" x 6" box beam tub	ing is attached to rail support brackets with 5/16" x 7" hex bolts.	
	The rail support brackets a	are attached to posts #1 & #2 with 1/2"x 2" hex bolts.	
	The impact head is proper gusset plates facing down.	rly inserted into the end tube rail section with the large triangular	
	•	ed between posts #1 & #2 using a 3/4" x 8½" hex bolt at post #2 x bolt, nut and two washers at post location #1.	
	dimension up and the 3" d post #1. The 5/8" x 5" re	ng plate at the base of post #1 is correctly positioned with the 5" immension down and is setting on the extended cap plate of bottom tention bolt is secured to the bearing plate with a hex nut and the inside the 6" x 6" top post #1.	
	The cable anchor assembl	y is taut and secured with a 1" hex nut and washer at both ends.	
	The post breaker is install bolt and a 5/8" x 3" hex bo	ed on the traffic side of post $#1$ and stabilized with a $1/4$ " x 3" hex olt.	
	The retention plate channel	el is bolted to the backside of post #2 with two 1/2"x 2" hex bolts.	
	If the posts were augered,	be sure the backfill material around the posts is compacted.	
	The grading and finished in	installation is in accordance with all specific State DOT guidelines.	
Ado	ditional notes:		
Incr	pection performed by:		

Inspection (continued)

As with all roadside safety products, guardrail terminals require inspection to be sure they are in working order. The appropriate authorities should have inspection programs in place and track accidents to assure adequate repairs are made. Regular inspections of MBEAT systems should be made based on site conditions, traffic volumes, and crash history.

