

PLAN VIEW  
WIDENED BULLNOSE DESIGN

NOTES:

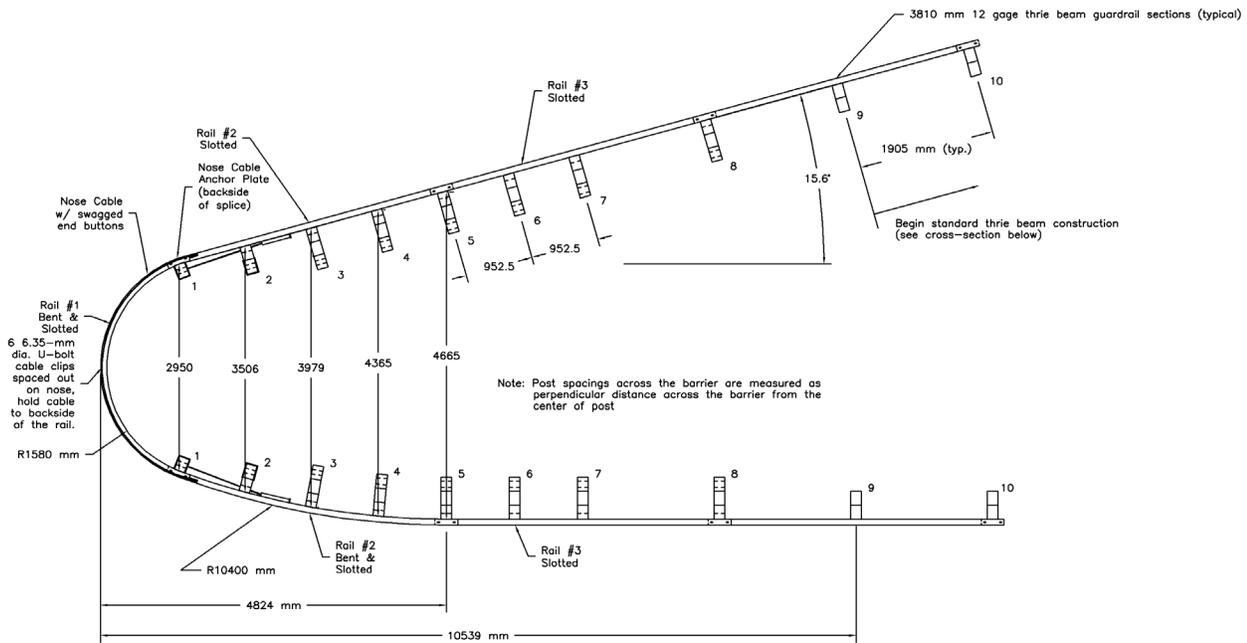
- ① POST SPACINGS ACROSS THE BARRIER ARE MEASURED AS PERPENDICULAR DISTANCE ACROSS THE BARRIER FROM THE CENTER OF POST.
- ② TAPER BEGINNING AT POST NO.1 MUST CONTINUE TO POST NO. 5, PAST POST NO.5, TAPER MAY END OR BE EXTENDED UP TO 15.6 DEGREES TO FIT VARIABLE MEDIAN WIDTHS.
- ③ W-BEAM TO THRIE-BEAM TRANSITION SECTION. SEE STD. PLAN 5-297.614.
- ④ FOR MEDIANS WIDER THAN 14'2 1/2", BEFORE TAPERING THE APPROACH SIDE, TAPER THE OPPOSING SIDE AS SHOWN ON THE BULLNOSE DESIGN DETAIL. APPROACH TAPER SHOULD NOT EXCEED 1:25 IF THE BARRIER IS WITHIN THE SHY LINE OR 1:15 IF IT IS OUTSIDE.
- ⑤ THRIE BEAM MAY BE FIELD BENT UP TO 18" IN A 12'6" LENGTH (APPROX. 6.9 DEG.). ADJUST BENDS TO FIT BULLNOSE TO SITE. SLOTTED RAIL NO. 2 ON OPPOSING SIDE MAY BE USED STRAIGHT OR NORMAL (SHOP BEND TO 34'2" RAD.). SLOTTED RAIL NO. 3 ON OPPOSING SIDE DOES NOT HAVE TO BE SHOP BENT (BEND IN FIELD).

MEETS CRASH TEST CRITERIA: NCHRP 350 (TL-3)

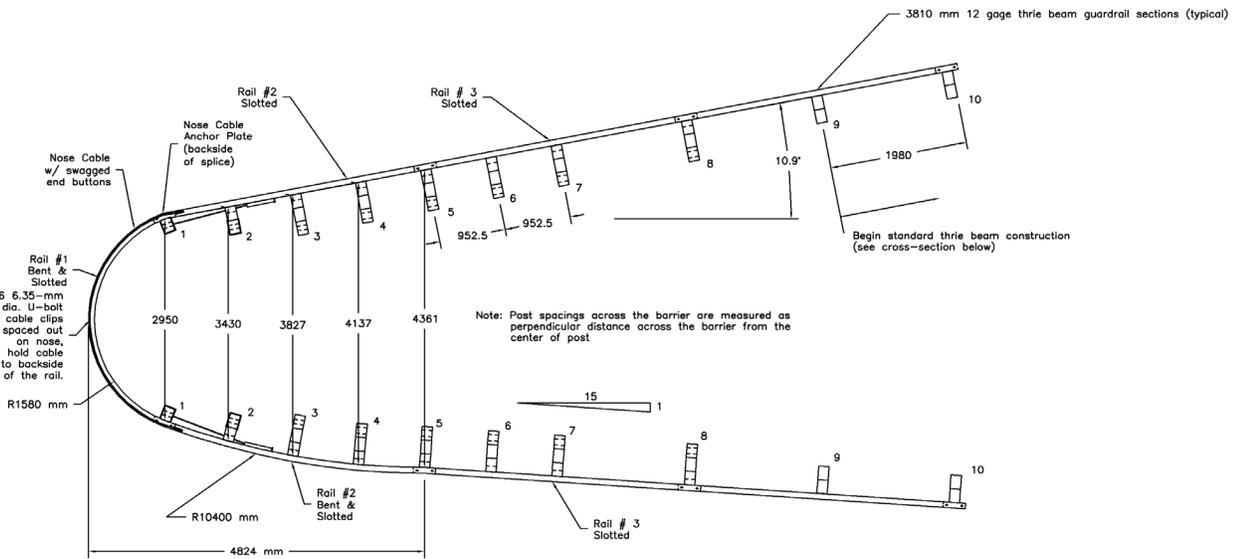
	REVISOR:  	APPROVED: <i>Christina Ry</i> STATE DESIGN ENGINEER	5-27-2014
	5-27-2014		

THRIE BEAM BULLNOSE GUARDRAIL FOR MEDIANS (WIDER THAN 14' 2-1/2")	
STANDARD PLAN 5-297.611	3 OF 3

# FHWA Approved Wider Bullnose System – Design 1



# FHWA Approved Wider Bullnose System – Design 2



## THRIE-BEAM BULLNOSE END TERMINAL

**MBN01**

SHEET NO.

DATE:

6 of 6

7/26/2007

