

PLAN VIEW

NOTES:

FOR ADDITIONAL INFORMATION ON GUARD RAIL, SEE STD. PLAN GR-200. SHEET 3 OF 10 W6 X 9 STEEL POST WITH TIMBER BLOCKS MAY BE SUBSTITUTED. NO MIXING WILL BE ALLOWED.

□ FOR CURB & TRANSITION INFORMATION, SEE SHEET 3 OF 10, GR-200.

ALL HARDWARE AND TIMBER USED FOR CONNECTING THE SINGLE THRIE BEAM TO THE EXISTING BRIDGE RAIL SHALL BE PAID FOR UNDER ITEM 704-07-00200, GUARD RAIL BRIDGE ATTACHMENTS (SINGLE THRIE BEAM), PER LIN. FT.

ANY DAMAGE DONE TO THE EXISTING STRUCTURE DURING INSTALLATION OF THE GUARD RAIL SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE AND TO THE SATISFACTION OF THE PROJECT ENGINEER.

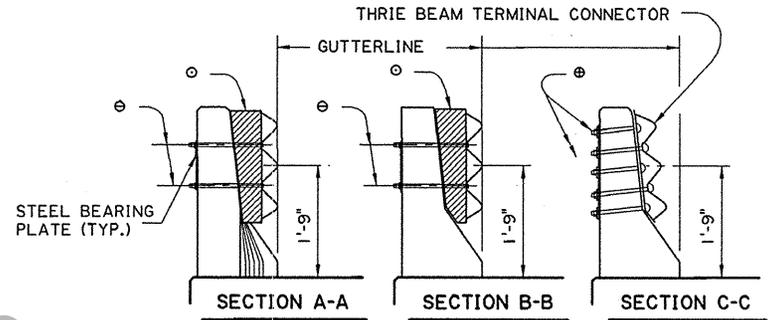
GALV. STEEL Ogee WASHER MAY BE USED IN LIEU OF THE STEEL BEARING PLATE.

ALL H.S. BOLTS SHALL BE ASTM A449. ALL 5/8" Ø BOLTS SHALL BE ASTM A307.

○ 2 - 5/8" Ø BUTTON HEAD BOLTS WITH 5/8" BEARING PLATE, NUTS, & WASHERS

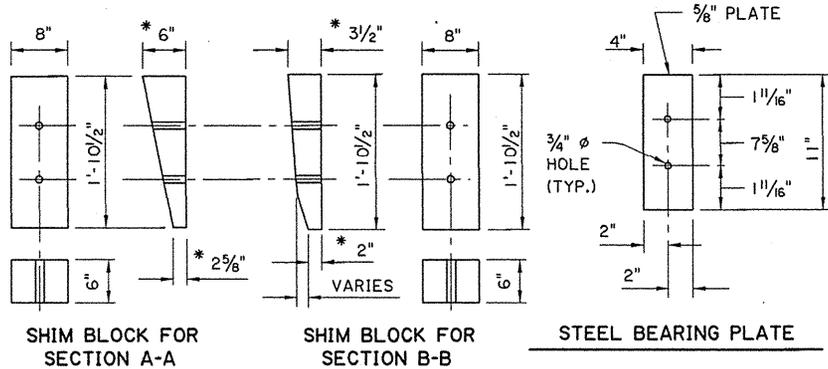
○ 6" X 8" X 1'-10 1/2" TREATED TIMBER BLOCK (CUT & SHAPE IN THE FIELD TO FIT).

NOTE: THE GUARD RAIL SHALL NOT PROTRUDE BEYOND THE GUTTERLINE.



PROCEDURE FOR INSTALLING GUARD RAIL

1. A 25'-0" SECTION OF GUARD RAIL (WITH NO SPLICE) SHALL BE INSTALLED SYMMETRICALLY WITH RESPECT TO THE FIRST POST ON EACH END OF THE STRUCTURE.
2. THE BOLT HOLES SHALL BE FIELD DRILLED THRU THE GUARD RAIL, SHIM BLOCKS AND THE BARRIER RAIL AT THE SAME TIME.



* DIMENSIONS ARE ASSUMED. ADJUST IN THE FIELD AS REQUIRED. HOLES SHALL BE DRILLED IN THE FIELD. SEE NOTE NO. 2.



Paul B. Fossier 4/9/09

BRIDGE AND STRUCTURAL DESIGN		NEW JERSEY BARRIER RAIL RETROFIT		DESIGNED	PARISH	SHEET NUMBER
				CHECKED		
		STANDARD FOR STRUCTURES MORE THAN 60 FEET		DATE	REVISION DESCRIPTION	
				NO.	DATE	
				BY		
				DESIGNED		
				CHECKED		
				DATE	12-2008	
				STATE PROJECT		
				FEDERAL PROJECT		
				DESIGNED	J. BENTON	
				CHECKED	P. FOSSIER	