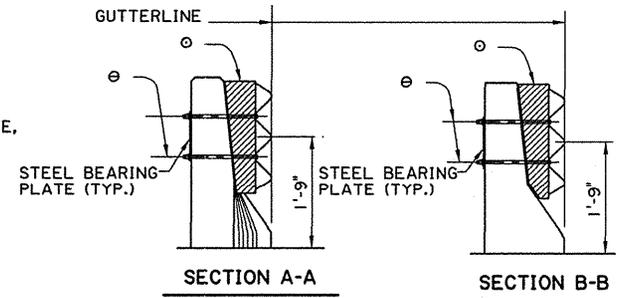


PLAN VIEW



2 - 5/8" ϕ BUTTON HEAD BOLTS WITH 5/8" BEARING PLATE, NUTS, & WASHERS. (TYP.)

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.

NOTES:

FOR ADDITIONAL INFORMATION ON GUARD RAIL, SEE STD. PLAN GR-200.

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 704-01-01020, GUARD RAIL (SINGLE THRIE BEAM), (6'-3" POST SPACING) PER LIN. FT.

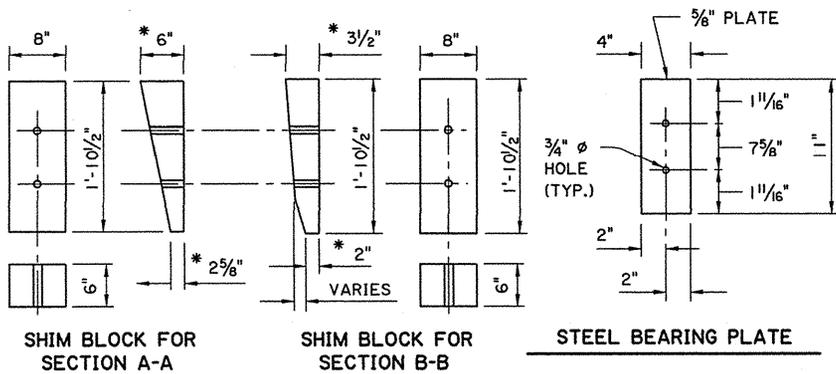
ANY DAMAGE DONE TO THE EXISTING STRUCTURE DURING INSTALLATION OF THE GUARD RAIL SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE AND TO THE SATISFACTION OF THE PROJECT ENGINEER.

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

ALL 5/8" ϕ BOLTS SHALL BE ASTM A307.

PROCEDURE FOR INSTALLING GUARD RAIL

1. A 25'-0" SECTION OF GUARD RAIL (WITH NO SPLICE) SHALL BE INSTALLED SYMETRICALLY WITH RESPECT TO THE FIRST POST ON EACH END OF THE STRUCTURE.
2. THE WOOD SHIM BLOCKS SHALL BE CUT & SHAPED IN THE FIELD TO FIT THE LOCATION WITH A SNUG FIT.
3. 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. 3.

STATE OF LOUISIANA
PAUL B. FOSSIER, JR.
REG. No. 21028
REGISTERED PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
Paul B. Fossier
4/9/09

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