



*Kurt M. Brauner*  
 9/29/17

- NOTES**
- FOR ADDITIONAL INFORMATION ON GUARD RAIL, SEE STANDARD PLANS FOR HIGHWAY GUARD RAIL (MASH).
  - ALL MATERIALS AND LABOR REQ'D. TO PLACE THE GUARD RAIL THRU THE BRIDGE SHALL BE PAID FOR UNDER ITEM 704-01-01020
  - FOR CURB & TRANSITION INFORMATION, SEE STANDARD PLANS FOR HIGHWAY GUARD RAIL (MASH), SHEET 3 OF 11.
  - IF THE EXISTING CONCRETE IS DAMAGED DUE TO DRILLING HOLES FOR BOLTS AND RODS, THE CONTRACTOR SHALL REPAIR THE DAMAGE WITH THE APPROPRIATE MATERIALS AT HIS EXPENSE AND TO THE SATISFACTION OF THE PROJECT ENGINEER.
  - EXISTING HANDRAIL SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AS DIRECTED BY THE PROJECT ENGINEER.
  - ALL HOLES (VERTICAL OR HORIZONTAL) DRILLED INTO AN EXISTING CONCRETE STRUCTURE SHALL BE 3/4" IN DIA. THEY SHALL BE CLEANED WITH COMPRESSED AIR AND MADE FREE OF ANY OIL OR RESIDUE. HOLES SHALL BE FILLED WITH EPOXY INJECTION SYSTEM AS LISTED ON APPROVED MATERIALS LIST, PRODUCT CATEGORY "CONCRETE ANCHOR SYSTEMS." PLACE ROD IN HOLE IMMEDIATELY AND WAIT FOR THE MANUFACTURERS CURE TIME.
  - THE LOWER BOLTS IN THE GUARD RAIL AT EACH POST SHALL BE ON THE ONCOMING TRAFFIC SIDE.
  - IF TIMBER BLOCKS ARE LESS THAN 3" ABOVE THE CONCRETE RAIL IN THE SOLID RAIL ALTERNATE, THE METHOD SHOWN IN THE POST AND RAIL BRIDGE RAIL ALTERNATE SHALL BE UTILIZED.
  - THE LENGTHS OF THE LAG SCREWS SHALL BE VERIFIED BY THE PROJECT ENGINEER BEFORE INSTALLATION TO ACHIEVE THE PENETRATION CALLED FOR IN THE SOLID WALL ALTERNATE.
  - IF APPROACH SLAB FLARES EXIST, A 1'-0" x 1'-0" HOLE SHALL BE CUT THRU THE CONCRETE IN THE PROPER LOCATION TO INSTALL POST. AFTER POST IS IN PLACE, COMPACT SOIL AROUND POST AND REDRESS THE SLAB WITH CONCRETE TO THE FINISHED ELEVATION. (NO DIRECT PAY).
  - ALL 3/8" Ø BOLTS SHALL BE ASTM A307.

BRIDGE AND STRUCTURAL DESIGN	<p>DESIGNATION AND DEVELOPMENT</p> <p>STATE OF LOUISIANA</p>	<p><b>GUARD RAIL CONTINUOUS ACROSS BRUSH CURB BRIDGE RAIL (TIMBER POST OPTION)</b></p> <p>FOR USE WITH HIGHWAY GUARD RAIL (MASH)</p>			NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY	DESIGNED	P. FOSSIER	PARISH	SHEET NUMBER
		STANDARD DETAIL	BD.2.6.5.1.14		NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY	CHECKED	C. GAUDRY	CONTROL SECTION	
									DETAILED	J. DOUCET	STATE PROJECT	
									CHECKED	P. FOSSIER		
									REVIEWED	K. BRAUNER		
									SERIES #			