



TYPICAL SECTION  
(NOT TO SCALE)

NEW 8" WIDE X 1'-4" LONG TIMBER SHIM BLOCKS (IF REQ'D.) AT EACH 8" X 8" POST. THICKNESS TO BE DETERMINED BY THE CONTRACTOR AND VERIFIED BY THE PROJECT ENGINEER.

NEW SINGLE THRIE BEAM (FACE OF RAIL SHALL BE FLUSH WITH GUTTER LINE)

NEW 6" X 8" X 1'-10" TIMBER BLOCK

NEW 8" X 8" FELLOE GUARD (PROVIDE 2" X 1'-0" NOTCH @ 10'-0" MAX. CTRS. IN HEADER AND/OR FELLOE GUARD AS REQ'D. FOR DRAINAGE)

NEW 5/8" Ø BUTTON HEAD BOLTS, NUTS, AND WASHERS

NEW 3/4" X 3'-6" HOOK BOLT @ 5'-0" MAX. CTRS.

NEW 5/8" Ø BUTTON HEAD BOLT, NUT, AND WASHERS (1'-6" LG.)

NEW 3" X 8" (MIN.) HEADER

NEW 8" X 8" X "L" TIMBER POST

EXISTING TIMBER CAP

NEW 5/8" Ø X 1'-10" BUTTON HEAD BOLTS, NUTS, AND WASHERS

EXISTING ASPHALT OVERLAY

EXISTING DECK

EXISTING EXTERIOR STRINGER

FOR INFORMATIONAL PURPOSES ONLY

NOTES

FOR ADDITIONAL INFORMATION ON GUARD RAIL, SEE STANDARD PLANS FOR HIGHWAY GUARD RAIL (MASH).

ALL TIMBER SHALL BE TREATED SOUTHERN YELLOW PINE OR DOUGLAS FIR. (CUT TO FIT) ALL HARDWARE & NAILS INVOLVED SHALL BE REPLACED WITH NEW MATERIALS AND SHALL BE GALVANIZED.

POST SPACING VARIES FROM STRUCTURE TO STRUCTURE. ORIGINAL POST SPACING SHALL BE VERIFIED BY THE PROJECT ENGINEER AND NEW POST SHALL BE PLACED AT THESE LOCATIONS. ANY POST OTHER THAN THE ORIGINAL POST SPACING SHALL BE REMOVED.

GUARD RAIL SPLICES SHALL BE MADE AT POST LOCATIONS ONLY. LAP IN DIRECTION OF TRAFFIC.

ALL WORK AND MATERIALS REQ'D. TO COMPLETE GUARD RAIL ON BRIDGE SHALL BE PAID FOR UNDER ITEM 704-01-01020 GUARD RAIL, (SINGLE THRIE BEAM) (6'-3" POST SPA.) PER LIN. FT.

WHEN EXTERIOR STRINGER IS REQ'D. TO BE REPLACED IT SHALL BE DONE AS DIRECTED BY THE PROJECT ENGINEER AND PAID FOR UNDER FORCE ACCOUNT.

ALL 5/8" Ø BOLTS SHALL BE ASTM A307.

ALL BOLT LENGTHS SHALL BE VERIFIED BY FIELD MEASUREMENTS.

THIS DETAIL WAS DEVELOPED AND APPROVED FOR USE UNDER NCHRP REPORT 350. AS PER LADOTD'S MASH IMPLEMENTATION POLICY, ITS CONTINUED USE IS ALLOWED WHILE A MASH ALTERNATIVE IS DEVELOPED OR EVALUATED.

SHEET NUMBER		PARISH		CONTROL SECTION		STATE PROJECT	
P. FOSSIER	C. GAUDRY	J. DOUCET	P. FOSSIER	K. BRAUNER			
DESIGN CHECK	DETAIL CHECK	REVIEW	SERIES #				

APPROVED BY CHIEF ENGINEER: *Christy P. Hood* DATE: 5/3/2022

**GUARD RAIL REHABILITATION (TIMBER DECK)**

STANDARD PLAN: GRR-16

BRIDGE AND STRUCTURAL DESIGN