

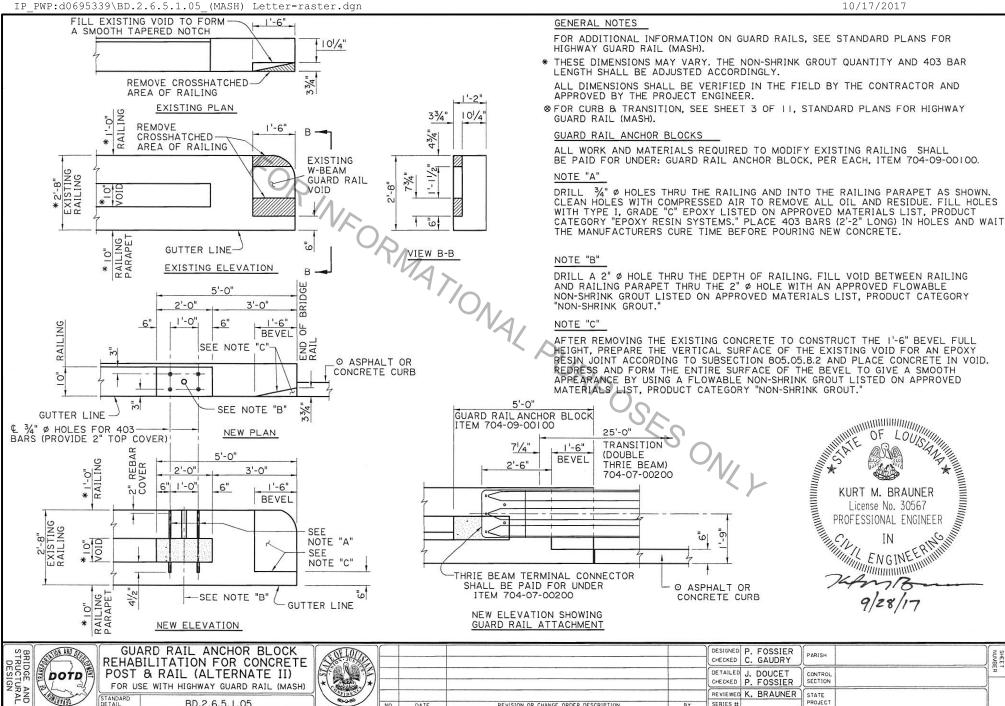
REVIEWED K. BRAUNER

PROJECT

SERIES #

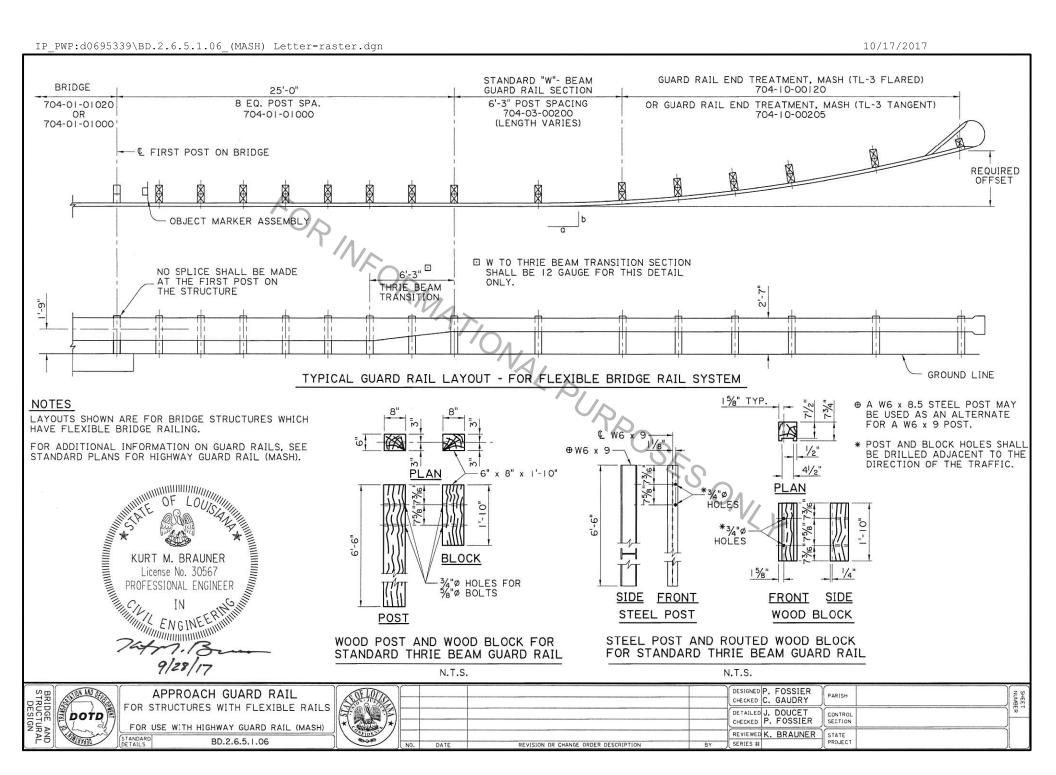
STANDARD DETAIL

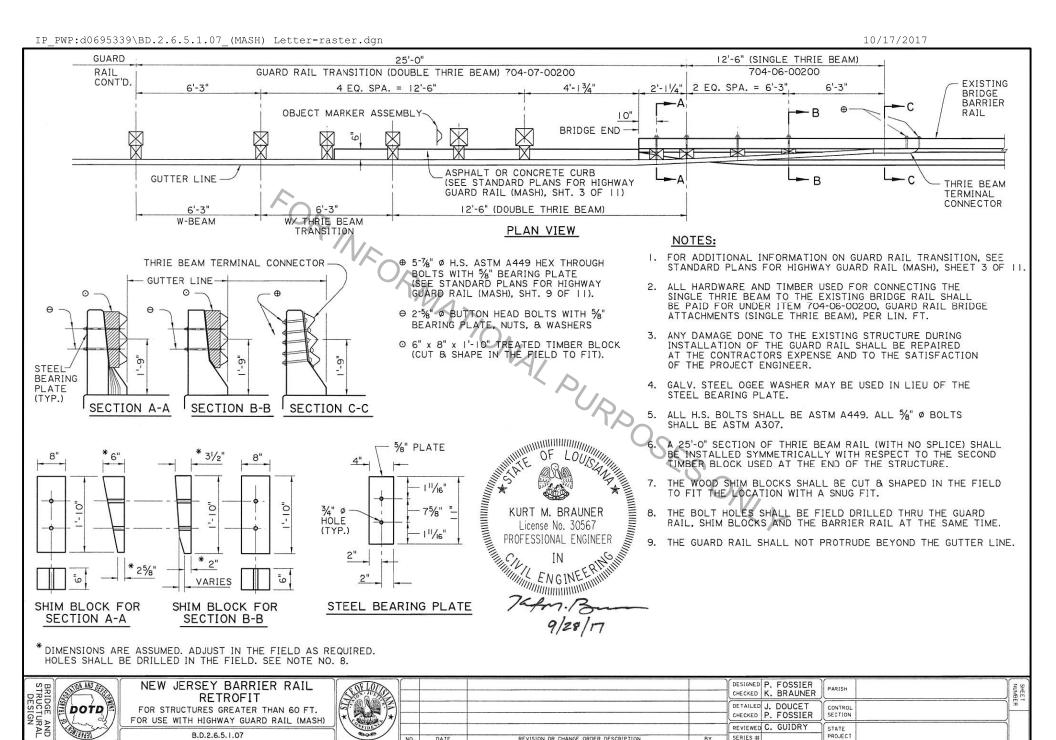
BD.2.6.5.1.05

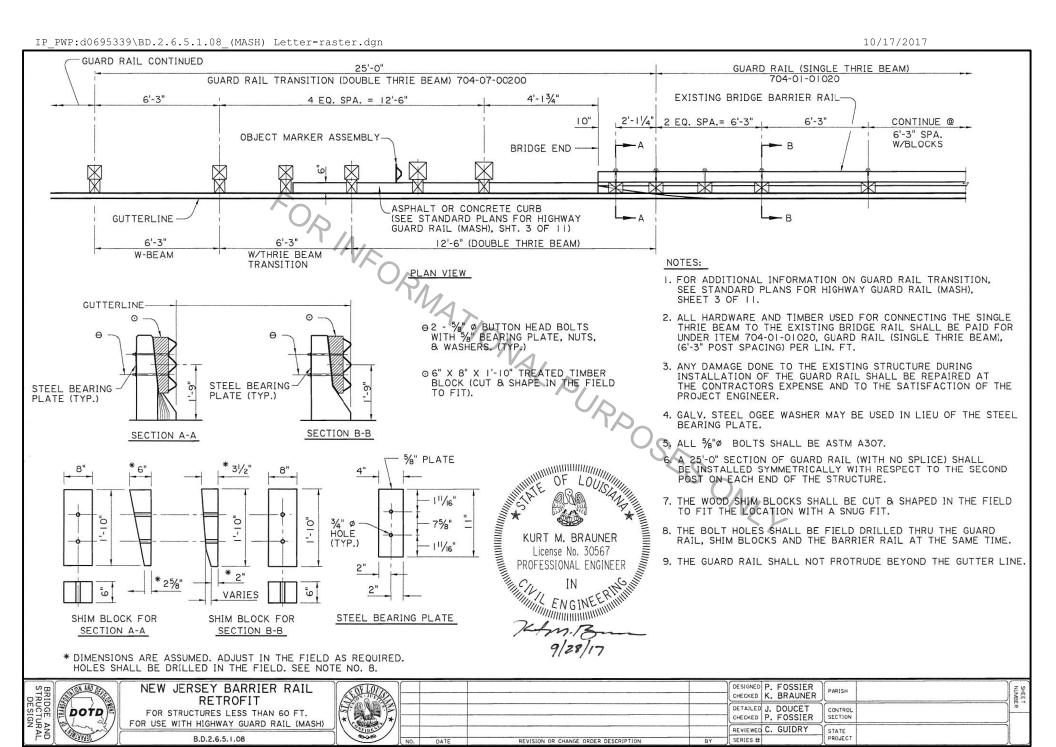


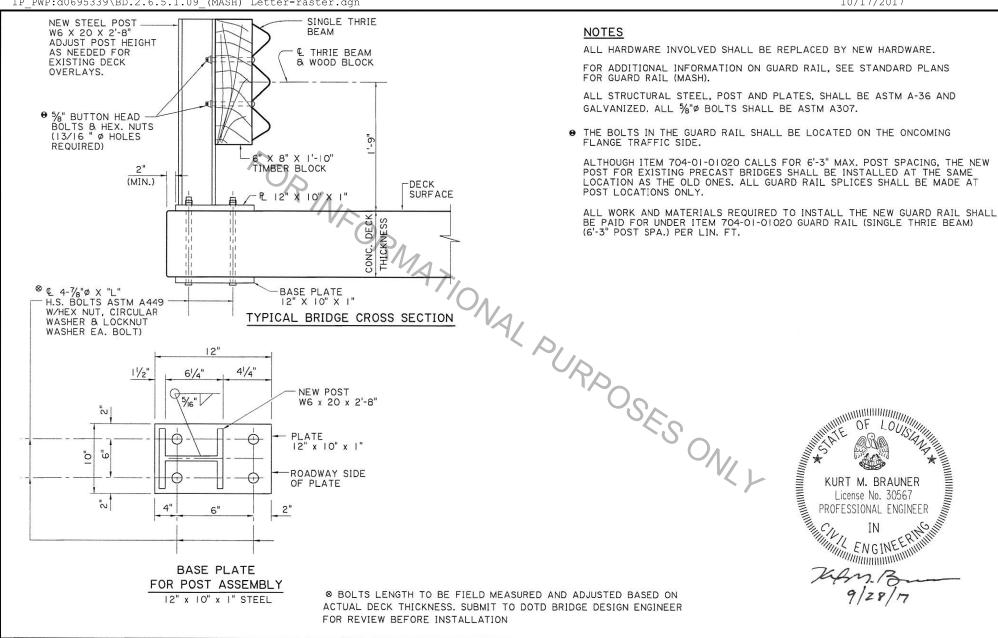
REVISION OR CHANGE ORDER DESCRIPTION

DATE









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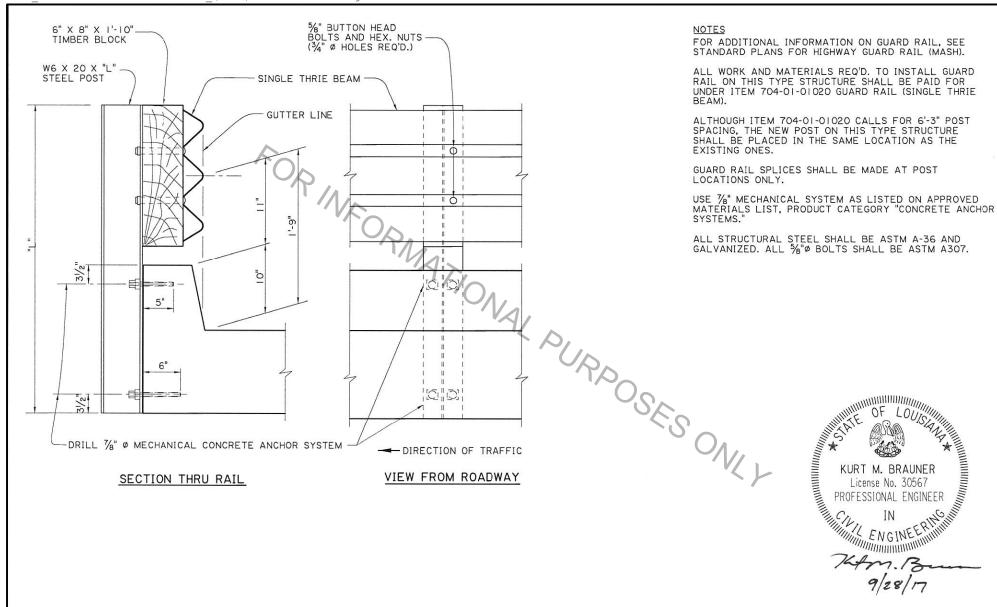
GUARD RAIL REHABILITATION (FLAT DECK PRECAST BRIDGES)

FOR USE WITH HIGHWAY GUARD RAIL (MASH) STANDARD DETAIL

BD.2.6.5.1.09



J	NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY	SERIES #	PROJECT	
					REVIEWED K. BRAUNER		
1					CHECKED P. FOSSIER	SECTION	
1					DETAILED J. DOUCET	CONTROL	æ
					CHECKED C. GAUDRY	FATIST	JABI
- 1					DESIGNED P. FUSSIER	PARISH	1 2



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ÃΑ	WAR WARD	STANDARD DETAILS

SIDE MOUNTED GUARD RAIL

(FOR BRIDGES)

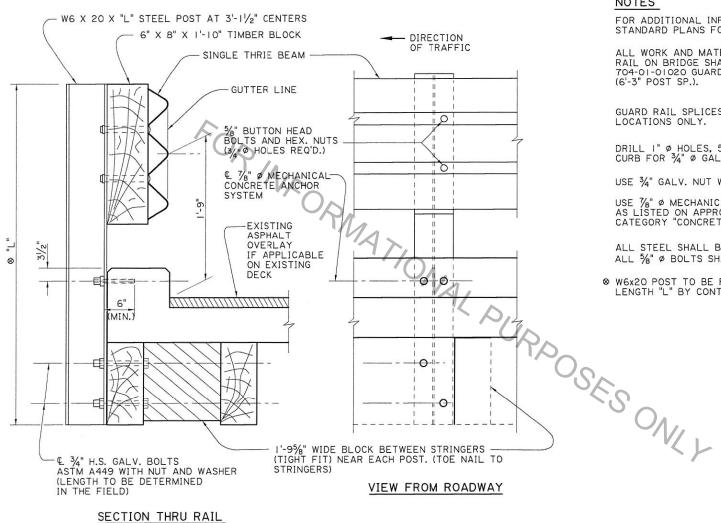
FOR USE WITH HIGHWAY GUARD RAIL (MASH)

BD.2.6.5.1.10



			CHECKED C. GAUDRY	PARISH	
			DETAILED J. DOUCET CHECKED P.FOSSIER	CONTROL	
			REVIEWED K. BRAUNER	STATE	
DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY	SERIES #	PROJECT	

DESIGNED P. FOSSIER



NOTES

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

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

GUARD RAIL SPLICES SHALL BE MADE AT POST LOCATIONS ONLY.

DRILL I" Ø HOLES, 5" DEEP AT THE TOP OF CURB FOR 34" Ø GALVANIZED BOLT.

USE 3/4" GALV. NUT WITH GALV. CUT WASHER.

USE % MECHANICAL CONCRETE ANCHOR SYSTEM AS LISTED ON APPROVED MATERIALS LIST, PRODUCT CATEGORY "CONCRETE ANCHOR SYSTEMS.

ALL STEEL SHALL BE ASTM A-36 AND GALVANIZED. ALL %" Ø BOLTS SHALL BE ASTM A307.

⊗ W6x20 POST TO BE FIELD MEASURED TO DETERMINE LENGTH "L" BY CONTRACTOR.

KURT M.

License No.

PROFESSIONAL ENC

IN

ENGINEERICAL

DOTD

SIDE MOUNTED GUARD RAIL (CONCRETE DECK-TIMBER STRINGERS)

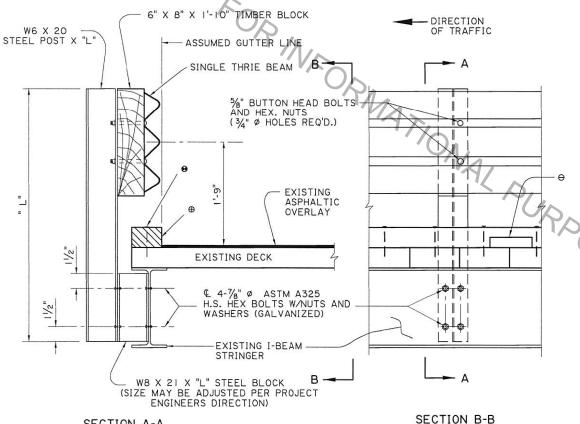
FOR USE WITH HIGHWAY GUARD RAIL (MASH)

BD.2.6.5.1.11



			DESIGNED	P. FOSSIER	PARISH	
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				J. DOUCET	CONTROL	
			CHECKED	P.FOSSIER	SECTION	
			REVIEWED	K. BRAUNER	STATE	
DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY	SERIES #		PROJECT	

- ⊖ 2" X 1'-0" NOTCH FOR DRAINAGE 6%" SPIKE AT EACH FLOOR PLANK
- 4" X 6" X LGTH. OF BRIDGE FELLOE GUARD (NEW) (NOTCH FOR DRAINAGE)



NOTES

ALL WORK AND MATERIAL (INCLUDING THE NEW FELLOE GUARD) REQUIRED TO INSTALL THE NEW BRIDGE RAIL SHALL BE PAID FOR UNDER ITEM 704-01-01020 GUARD RAIL (SINGLE THRIE BEAM) (6'-3" POST SPA.)

EXISTING ASPHALT SHALL BE CLEARED FROM AREA WHERE FELLOE GUARD IS TO BE PLACED SO THAT THE FELLOE GUARD WILL BE ON THE TIMBER DECK.

POST SHALL BE LOCATED AT EACH BENT AND AT INTERMEDIATE POINTS NOT TO EXCEED 6'-3" (EQUALLY SPACED)

IF DIRECTED BY THE PROJECT ENGINEER, A DIAPHRAGM SHALL BE PLACED AT EACH INTERMEDIATE POST BETWEEN THE FIRST AND SECOND STRINGER. (TO BE INCLUDED IN 704-01-01020.

"L" (POST HEIGHT & STEEL BLOCK) SHALL BE DETERMINED IN THE FIELD.

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

ALL STRUCTURAL STEEL SHALL BE ASTM A36 AND GALVANIZED. ALL 56" BOLTS SHALL BE ASTM A307.

POSES ONLY

KURT M. BRAUNER
License No. 30567
PROFESSIONAL ENGINEER
IN
ENGINEER

DOTD

SIDE MOUNTED BRIDGE RAIL

SECTION A-A

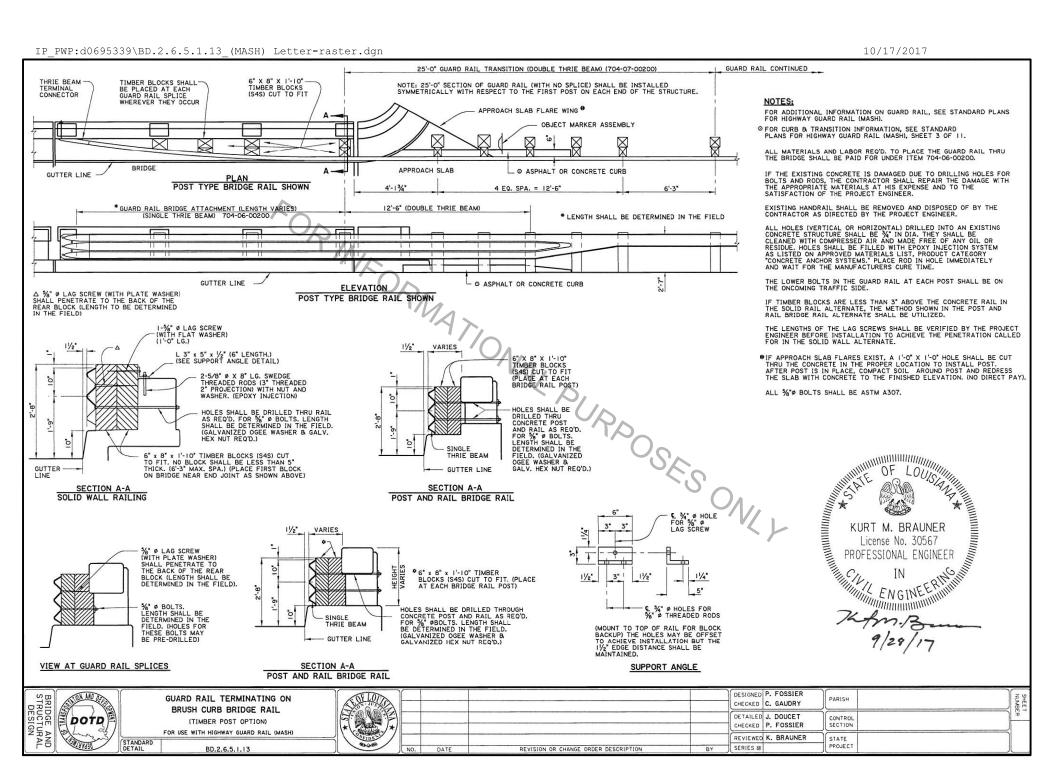
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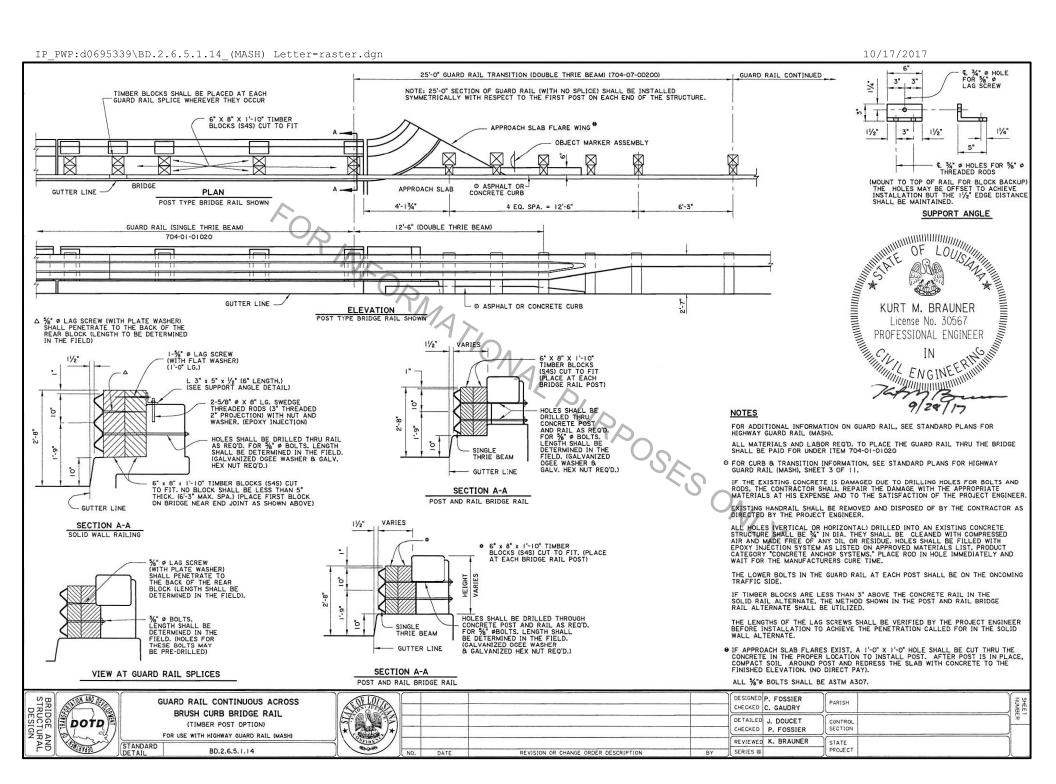
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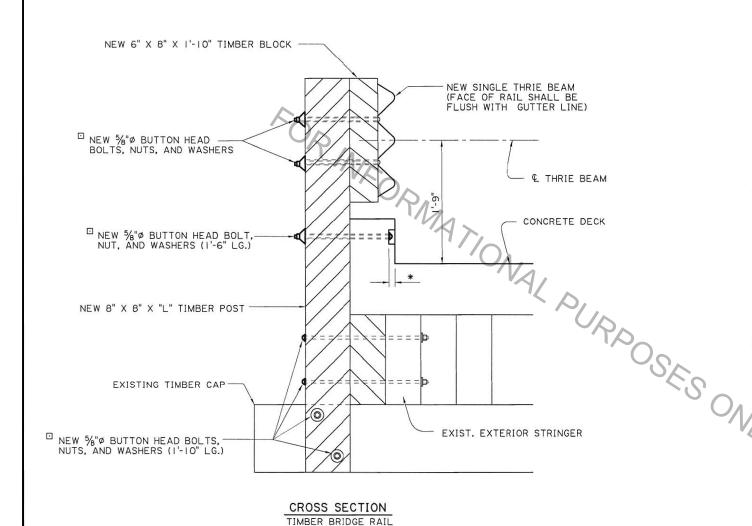
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		DESIGNED P. FOSSIER CHECKED C. GAUDRY	PARISH	NUMB
		DETAILED J. DOUCET CHECKED P. FOSSIER	CONTROL SECTION	ER
		REVIEWED K. BRAUNER	STATE	1
REVISION OR CHANGE ORDER DESCRIPTION	BY	SERIES #	PROJECT	







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 POSTS SHALL BE PLACED AT THESE LOCATIONS. ANY POST AT OTHER THAN THE ORIGINAL PCST SPACING SHALL BE REMOVED.

GUARD RAIL SPLICES SHALL BE MADE AT POST LOCATIONS ONLY.

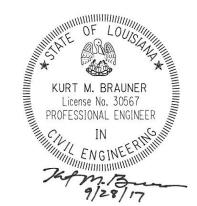
* HOLES IN CONCRETE CURB SHALL BE COUNTER-SUNK SO THE BOLT HEAD WILL NOT PROTRUDE OUTSIDE THE FACE OF CURB. GROUT HOLES WITH APPROPRIATE MATERIAL AFTER BOLT HAS BEEN TIGHTENED.

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 %"ø BOLTS SHALL BE ASTM A307.

ALL BOLT LENGTHS SHALL BE VERIFIED BY FIELD MEASUREMENTS.



BRIDGE AND STRUCTURALL DESIGN

BRIDGE RAIL REHABILITATION (CONCRETE DECK)

FOR USE WITH HIGHWAY GUARD RAIL (MASH)

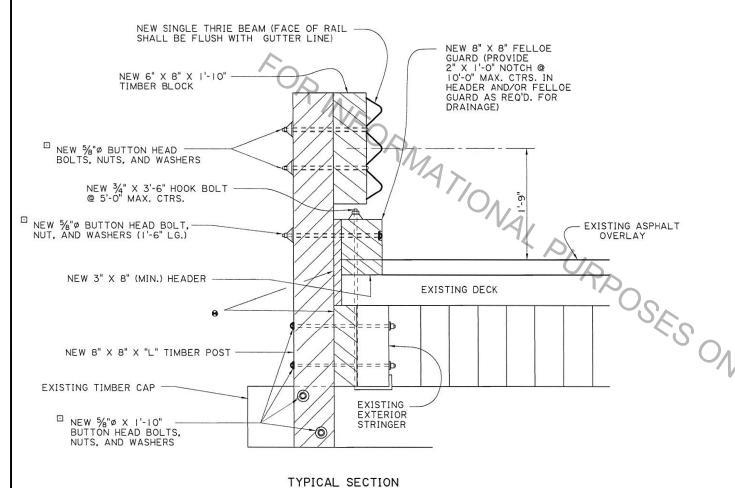
STANDARD BD.2.6.5.1.15



(NOT TO SCALE)

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				DETAILED	J. P.	DOUCET FOSSIER	CONTROL SECTION	E H
						BRAUNER		
NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY	SERIES #			PROJECT	-

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.



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.

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 %"Ø BOLTS SHALL BE ASTM A307.

ALL BOLT LENGTHS SHALL BE VERIFIED BY FIELD MEASUREMENTS.



BRIDGE AND STRUCTURAL DESIGN

GUARD RAIL REHABILITATION (TIMBER DECK)

FOR USE WITH HIGHWAY GUARD RAIL (MASH)

BD.2.6.5.1.16

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				REVIEWED K. BRAUNER		
NO.	DATE	REVISION OR CHANGE ORDER DESCRIPTION	BY	SERIES #	PROJECT	JL

