

AS-DESIGNED RATING		
VEHICLE	RATING FACTOR	NOTES
HL-93 (INV)	1.427	
HL-93 (OPR)	1.850	
LADV-11 (INV)	1.098	MAGNIFICATION FACTOR = 1.3

SPAN NOTES:

CONSTRUCTION SPECIFICATIONS:
LATEST APPROVED LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS:
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 4th EDITION, WITH 2008 & 2009 INTERIMS.

DESIGN LOADS:
THE BRIDGE DECK IS DESIGNED FOR A FUTURE WEARING COURSE OF 19 PSF. THE LIVE LOAD IS HL-93, AND LADV-11 (LOUISIANA DESIGN VEHICLE LIVE LOAD 2011).

STRUCTURAL CONCRETE:
ALL CONCRETE SHALL BE CLASS AA. EXPOSED EDGES SHALL HAVE A 3/4" CHAMFER UNLESS OTHERWISE NOTED. ALL BARRIER RAIL SURFACES ARE TO RECEIVE A CLASS 2A SPECIAL SURFACE FINISH.

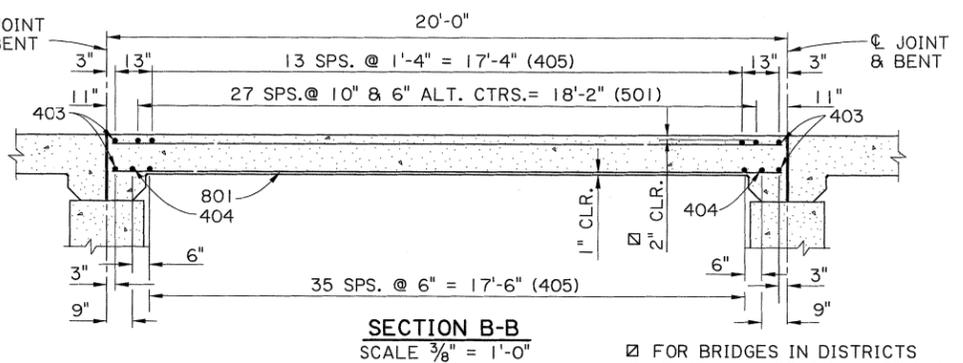
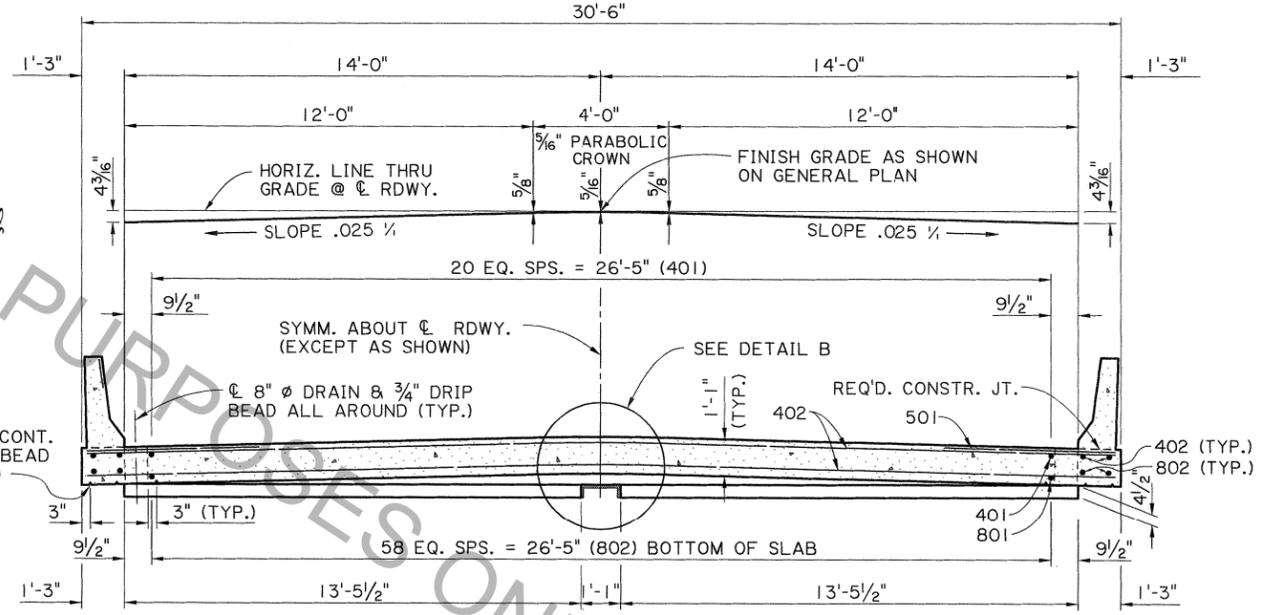
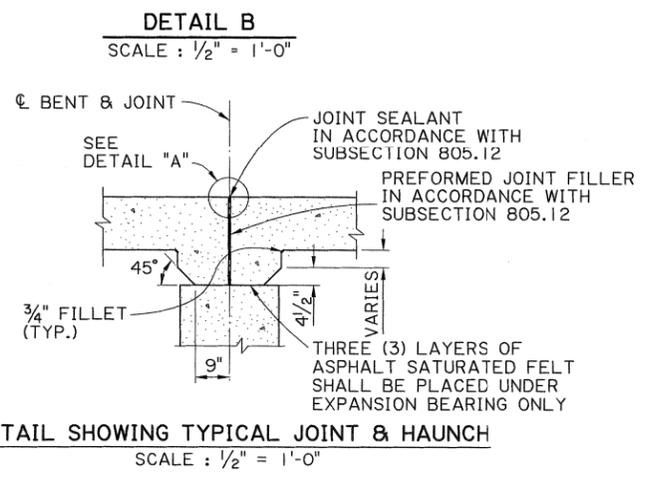
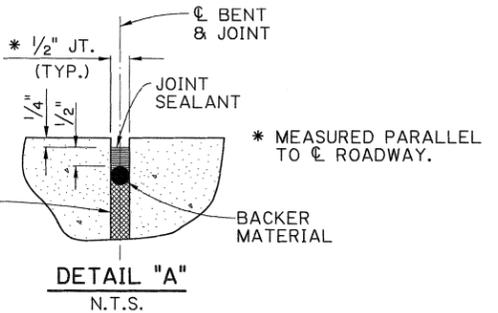
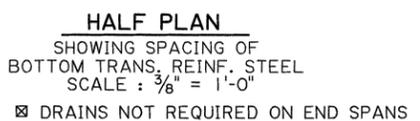
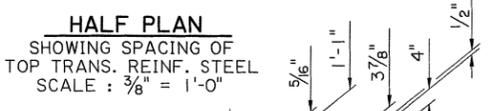
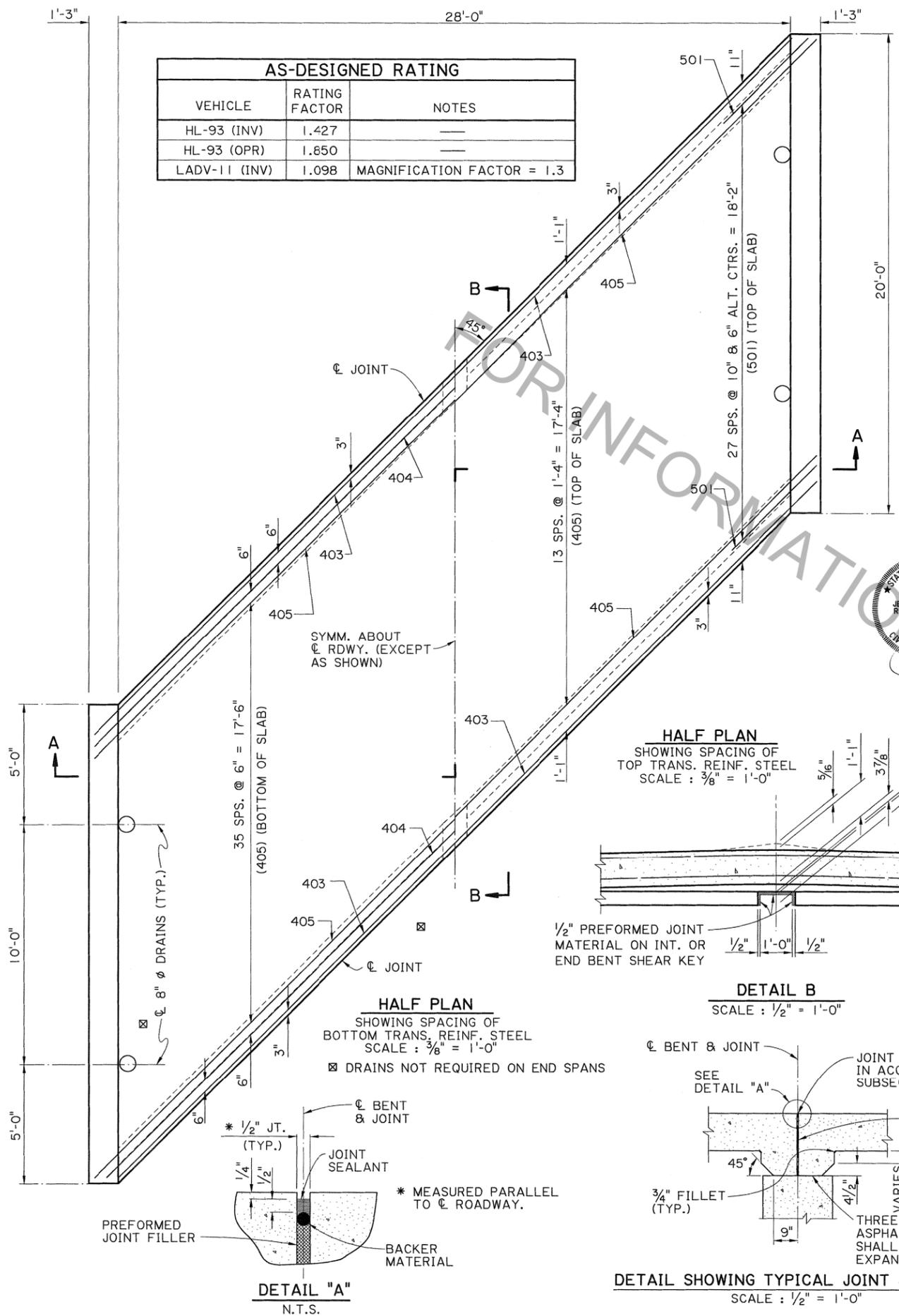
REINFORCING STEEL:
ALL REINFORCING SHALL BE GRADE 60; DIMENSIONS RELATING TO SPACING ARE TO BAR CENTERS, DIMENSIONS RELATING TO FABRICATION ARE OUT TO OUT OF BARS, UNLESS OTHERWISE NOTED. ALL REINFORCING BARS SHALL BE PLACED TO PROVIDE A MINIMUM COVER OF ONE INCH FROM THE SURFACE OF THE DRAIN HOLES TO THE FACE OF THE BARS.

GUARD RAIL:
REFER TO THE GENERAL PLAN FOR GUARD RAIL REQUIREMENTS. PROVIDE HOLES FOR GUARD RAIL CONNECTIONS ACCORDING TO STANDARD PLAN GR 200 ON ALL FOUR BRIDGE RAIL ENDS.

BASIS OF PAYMENT:
ALL MATERIAL SHALL BE PAID FOR UNDER "BRIDGE SUPERSTRUCTURE AND SUBSTRUCTURE" ACCORDING TO THE SPECIFICATIONS.

ESTIMATED QUANTITIES (ONE SPAN)				
BAR NO.	UNIT	TOTAL LENGTH	LOCATION	
801	4	19'-7"	78'-4"	LONGIT. BOT. OF SLAB
802	59	19'-5"	145'-7"	LONGIT. BOT. OF SLAB
TOTAL NO. 8 BARS = 1223'-11" = 3268 LBS.				
501	56	5'-0"	280'-0"	TRANS. TOP OF SLAB
TOTAL NO. 5 BARS = 280'-0" = 292 LBS.				
401	4	19'-7"	78'-4"	LONGIT. TOP OF SLAB
402	21	19'-5"	407'-9"	LONGIT. TOP OF SLAB
* 403	4	42'-10"	171'-4"	TRANS. TOP & BOT. OF SLAB
* 404	2	43'-7"	87'-2"	TRANS. BOT. OF SLAB
* 405	50	44'-3"	2212'-6"	TRANS. TOP & BOT. OF SLAB
TOTAL NO. 4 BARS = 2957'-1" = 1975 LBS.				
TOTAL DEFORMED REINFORCING STEEL = 5535 LBS.				
CLASS AA CONCRETE = 25.48 CU. YDS.				
CONCRETE RAILING (BARRIER TYPE) = 40.00 LIN. FT.				

* INCLUDES ONE (1) 1'-8" MINIMUM LAP SPLICE. ALL LAP SPLICES TO BE STAGGERED.



DESIGNED BY: J. NAKHLEH
 CHECKED BY: I.B. DELATTE
 PARISH: LA
 CONTROL SECTION: 04
 STATE PROJECT: 12/14/2010
 SERIES NUMBER: 2 OF 13
 DATE: 12/14/2010
 REVISION OR CHANGE ORDER DESCRIPTION: N/A
 NO. 1
 DATE: 12/14/2010
 BY: J. NAKHLEH

STANDARD DETAIL: PSS-45-2B-20SL

SPAN (1 OF 2)
 20'-0" CONCRETE SLAB SPAN
 28'-0" CLEAR ROADWAY
 45° CROSSING TWO WAY TANGENT

FOR BRIDGES IN DISTRICTS 04 & 05, MIN. CONCRETE COVER IN TOP OF SLAB SHALL BE 2 1/2".