

END ELEVATION

SCALE : 3/4" = 1'-0"

SECTION B-B

SCALE : 3/4" - 1'-0'

SECTION A-A

SCALE : 3/4" = 1'-0"

	EST	IMA ⁻	TED QU	ANTITIE	S (ONE INTER. BENT)	
	BAR	NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION	
	801	6	46'-2"	277'-0"	LONGIT. IN CAP	
	802	8	10'-10"	86"-8"	LONGIT. IN CAP BTW. PILES	
	TOTAL	NUM	BER 8 BAI	RS = 363'-	8" = 971 LBS.	
	601	29	2'-0"	58'-0"	DOWELS	
	TOTAL	NUM	BER 6 BAI	RS = 58'-0	o" = 87 LBS.	
	501	2	46'-2"	92'-4"	LONGIT. IN CAP	
	TOTAL	NUM	BER 5 BAI	RS = 92'-4	4" = 96 LBS.	
	401	68	8'-2"	555'-4"	STIRRUPS IN CAP	
	402	4	3'-4"	13'-4"	STIRRUPS IN RISER	
	403	2	2'-0"	4'-0"	LONGIT. IN RISER	
	TOTAL NUMBER 4 BARS = 572'-8" = 383 L					
*	TOTAL	DEF	DRMED RE	INFORCING	STEEL = 1,537 LBS.	

○ TOTAL CLASS AT CONCRETE = 7.82 CU. YDS. MAX. PILE LOAD: SERVICE DEAD LOAD = 27 TONS

SERVICE LIVE LOAD = 40 TONS FACTORED TOTAL LOAD = 92 TONS

ESTIMATED QUANTITIES (ONE END BENT)								
BAR	NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION				
801	6	46'-2"	277'-0"	LONGIT. IN CAP				
802	8	10'-10"	86"-8"	LONGIT. IN CAP BTW. PILES				
TOTAL NUMBER 8 BARS = 363'-8" = 971 LBS.								
601	29	2'-0"	58'-0"					
TOTAL NUMBER 6 BARS = 58'-0" = 87 LBS.								
501	2	46'-2"	92'-4"	LONGIT. IN CAP				
TOTAL NUMBER 5 BARS = 92'-4" = 96 LBS.								
401	68	8'-2"	555'-4"	STIRRUPS IN CAP				
402	4	3'-4"	13'-4"	STIRRUPS IN RISER				
403	2	2'-0"	4'-0"	LONGIT. IN RISER				
404	8	8'-9"	70'-0"	STIRRUPS IN WINGWALL				
405	8	2'-10"	22'-8"	LONGIT. IN WINGWALL				
406	12	4'-0"	48'-0"	LONGIT, IN WINGWALL				

= 477 LBS.

= 1,631 LBS.

= 8.64 CU. YDS.

SERVICE DEAD LOAD = 27 TONS

SERVICE LIVE LOAD = 40 TONS

O 16" Ø PPC PILES USED FOR ESTIMATING PURPOSES ONLY (ADD 0.06 CU. YDS. OF CLASS AI CONCRETE PER BENT WHEN 14" Ø PPC PILES ARE USED).

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

DESIGN LOAD: LIVE LOAD IS HL-93, AND LADV-II (LOUISIANA DESIGN VEHICLE LIVE

9¾"

404

2" Ø PIN

7'-8"

802

6" Ø PIN

EXPOSED EDGES SHALL HAVE A 34" CHAMFER UNLESS OTHERWISE NOTED. ALL EXPOSED FACES OF WINGWALLS AND ENDS OF CAPS SHALL RECEIVE A SURFACE FINISH AS PER SUB-SECTION 805.08.5.3 OF THE STANDARD SPECIFICATIONS, EXCEPT WHEN SPECIFIED ELSEWHERE IN THE PLANS.

 $\frac{1}{2}$ PREFORMED JOINT MATERIAL AND ASPHALT SATURATED FELT SHALL BE INCLUDED IN THE PRICE BID FOR CLASS AT CONCRETE.

REINFORCING STEEL: ALL REINFORCING STEEL SHALL BE GRADE 60. DIMENSIONS RELATING TO FABRICATION ARE OUT TO OUT OF BARS UNLESS OTHERWISE NOTED. DIMENSIONS RELATING TO SPACING ARE TO BAR CENTERS, UNLESS OTHERWISE NOTED. DOWELS (601 BARS) SHALL BE PROVIDED AT ALL FIXED BEARINGS AND APPROACH SLAB BEARINGS (SEE GENERAL PLAN). ALL EXPOSED ENDS OF DOWELS SHALL BE WRAPPED WITH TWO LAYERS OF 15 LB. ASPHALT SATURATED FELT. CLOSE FITTING TUBES OF COMPRESSIBLE MATERIAL NOT LESS THAN 3/6" THICK MAY BE SUBSTITUTED.

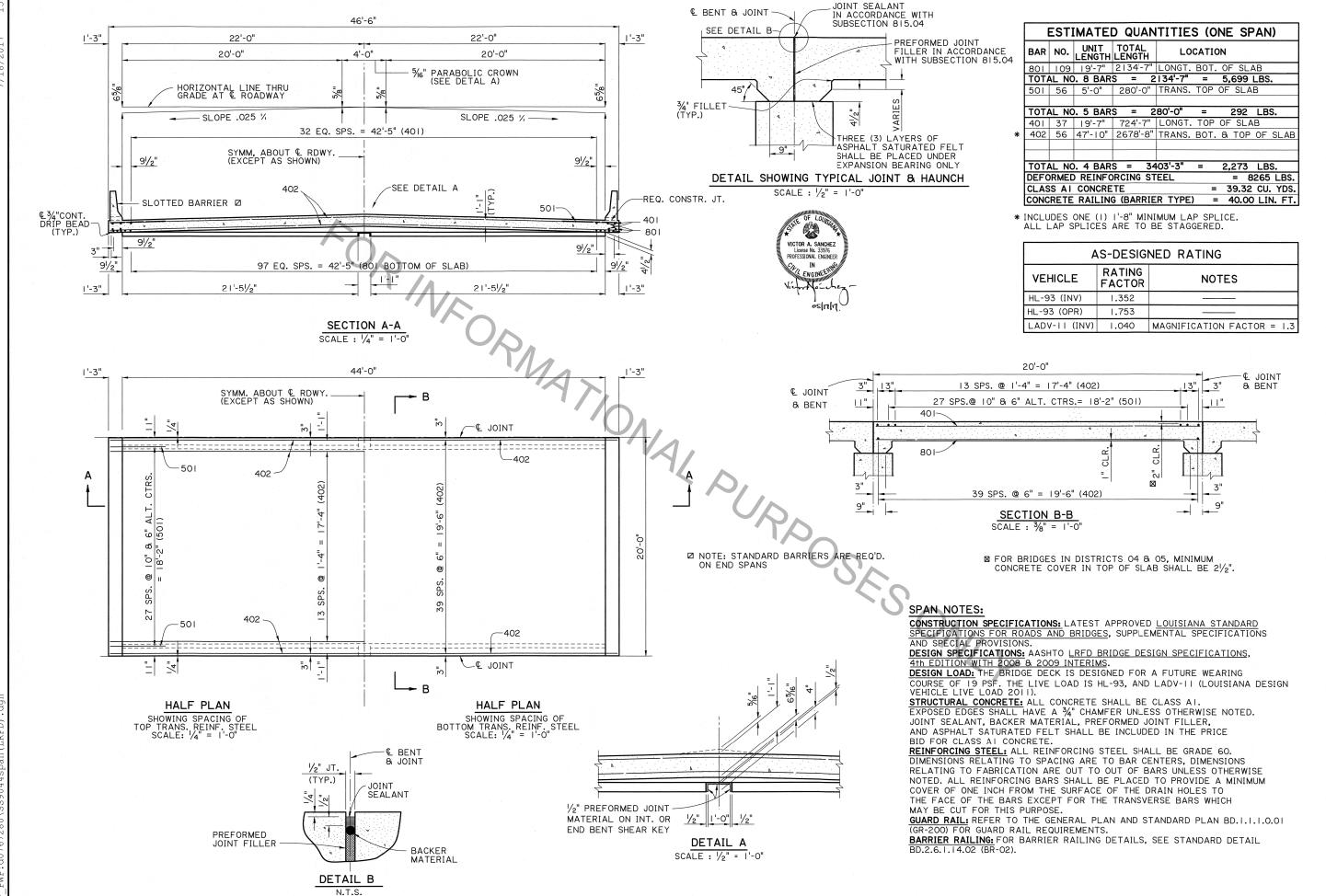
PRECAST CONCRETE PILES: FOR DETAILS SEE STANDARD DETAIL BD.2.5.1.0.01 (CS-216). EXTERIOR PILES ARE TO BE BATTERED OUTWARD AT 1/2 ON 12 IN THE LONGITUDINAL DIRECTION OF THE BENT, WHEN NOTED ON THE GENERAL PLAN.

PREFORMED JOINT MATERIAL: PREFORMED JOINT MATERIAL SHALL BE IN ACCORDANCE WITH SECTION 815.04 OF THE STANDARD SPECIFICATIONS.

FACTORED TOTAL LOAD = 92 TONS

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BENTS
NFORCED CONCRETE PILE BENT
44'-0" CLEAR ROADWAY
CROSSING TWO WAY TANGENT
BCSSBR-90-44TWT-20SI REINF 90° C



J. NAKHLEH
J. PAINE
D. HYMEL
J. NAKHLEH
O. OS/17/17



SPAN
"CONCRETE SLAB SPAN
4'-O" CLEAR ROADWAY
OSSING TWO WAY TANGENT
BR-90-441W1-20SI

0'-0" 44'-i CROS 20₋08