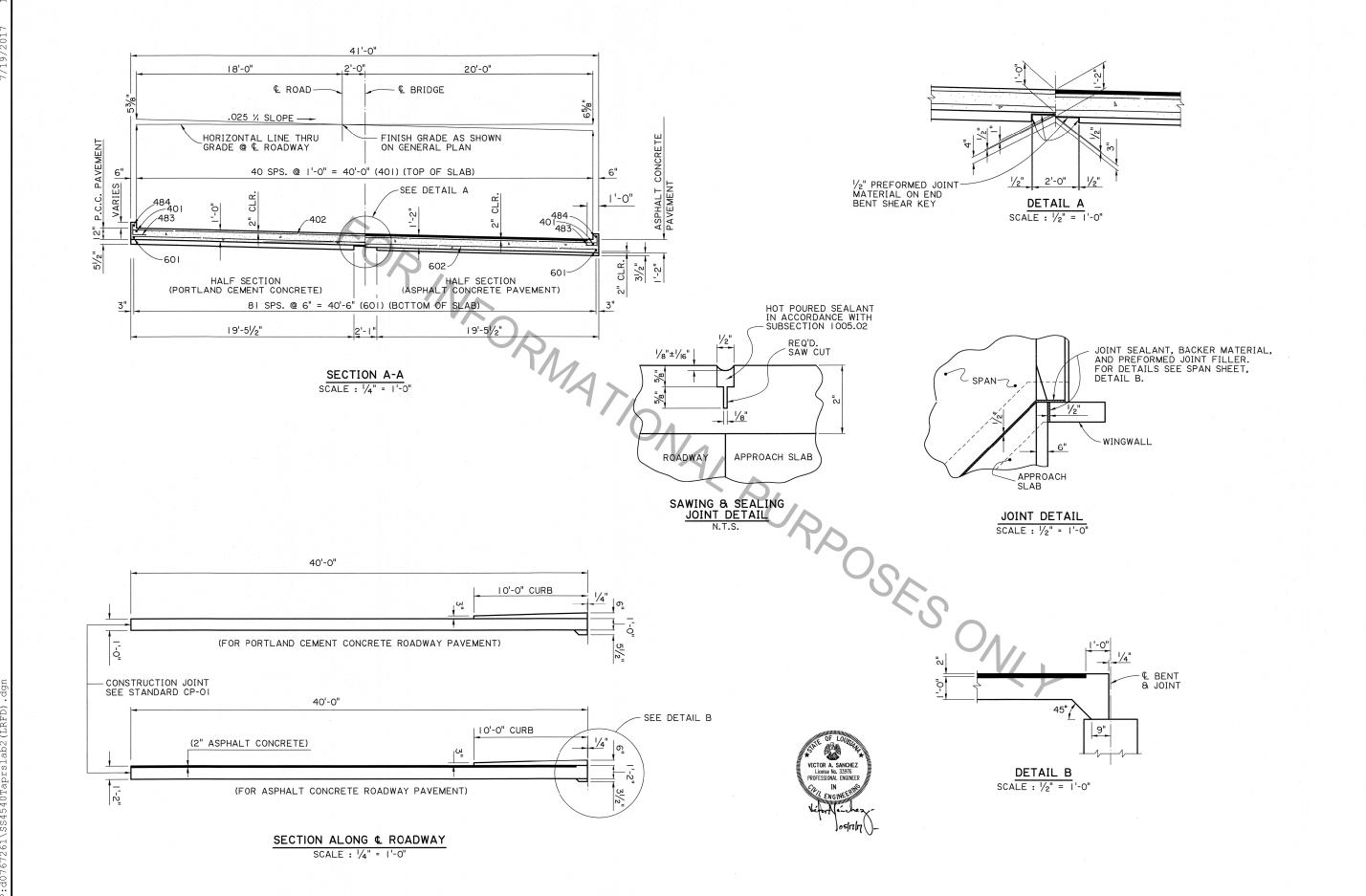
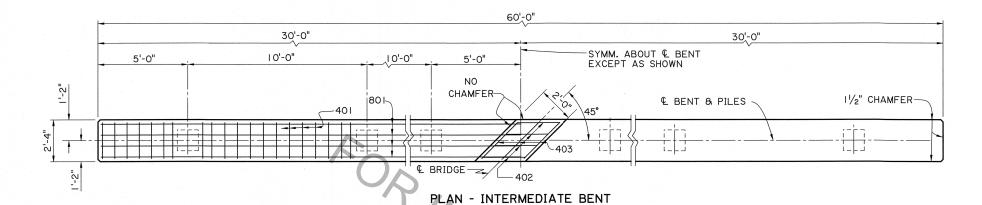


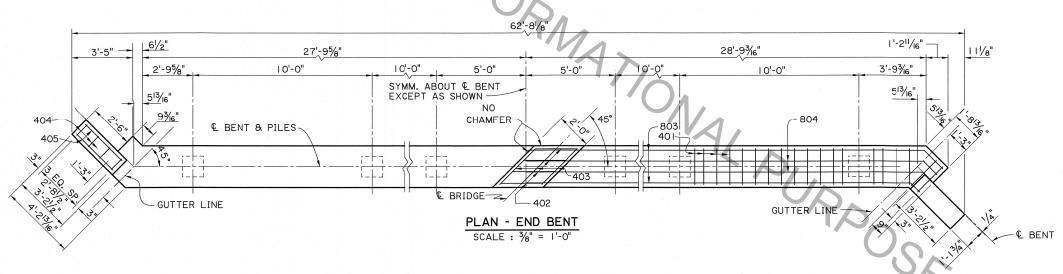
PPROACH SLAB (I OF 2)
-O" CONCRETE APPROACH SLAB
-40'-O" CLEAR ROADWAY
- CROSSING ONE WAY TANGENT



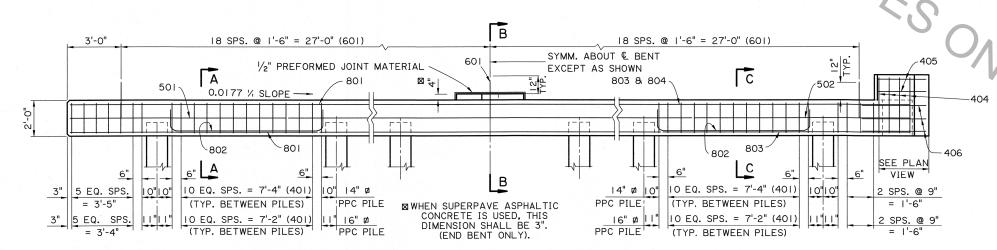


D J. NAKHLEH
PARISH
D B. DELATTE
D J. NAKHLEH
SECTION
D D. HYMEL
PROJECT
PROJECT





SCALE : 3/8" = 1'-0"



HALF ELEVATION - INTERMEDIATE BENT SCALE : $\frac{3}{8}$ " = 1'-0"

HALF ELEVATION - END BENT SCALE : $\frac{3}{8}$ " = 1'-0"

E	ESTIMATED QUANTITIES (ONE INTER. BENT)					
BAR	NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION		
801	6	59'-8"	358'-0"	LONGIT. IN CAP		
802	10	10'-10"	108'-4"	LONGIT. IN CAP BETWEEN PILES		
TOTA	TOTAL NO. 8 BARS = 466'-4" = 1245 LBS.					
601	37	2'-0"	74'-0"	DOWELS		
TOTA	TOTAL NO. 6 BARS = 74'-0" = 111 LBS.					
501	2	59'-8"	119'-4"	LONGIT. IN CAP		
TOTA	TOTAL NO. 5 BARS = 119'-4" = 124 LBS.					
401	79	8'-2"	645'-2"	STIRRUPS IN CAP		
402	5	5'-0"	25'-0"	STIRRUPS IN RISER		
403	3	2'-9"	8'-3"	LONGIT. IN RISER		
TOTA	TOTAL NO. 4 BARS = 678'-5" = 453 LBS.					

☑ TOTAL DEFORMED REINFORCING STEEL = 1933 LBS. CLASS AT CONCRETE = 10.13 CU. YDS. MAX. PILE LOAD: SERVICE DEAD LOAD = 28 TONS SERVICE LIVE LOAD = 32 TONS FACTORED TOTAL LOAD = 80 TONS

ADD III LBS. OF REINFORCING STEEL (37-601 DOWELS) WHEN TWO FIXED ENDS OCCUR ON THE SAME BENT.

	ESTI	MATED (TITHAU	IES (ONE END BENT)
BAR	NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION
802	10	10'-10"	108'-4"	LONGIT. IN CAP BETWEEN PILES
803	4	58'-9"	235'-0"	LONGIT. IN CAP
804	2	58'-9"	117'-6"	LONGIT. IN CAP
TOTAL NO. 8 BARS = 460'-10" = 1230 LBS.				
601	37	2'-0"	74'-0"	DOWELS
TOTA	AL NO	. 6 BAR	s = 74'-C)" = III LBS.
502	2	58'-9"	117'-6"	LONGIT. IN CAP
TOTA	AL NO	. 5 BAR	S = 117'-	6" = 123 LBS.
401	77	8'-2"	628'-10"	STIRRUPS IN CAP
402	5	5'-0"	25'-0"	STIRRUPS IN RISER
403	3	2'-9"	8'-3"	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
TOTAL NO. 4 BARS = 802'-9" = 536 LBS.				

⊖ 16" Ø PPC PILES USED FOR ESTIMATING PURPOSES ONLY. (ADD O.07 CU. YDS. OF CLASS A! CONCRETE PER BENT WHEN !4" Ø PPC PILES ARE USED.)

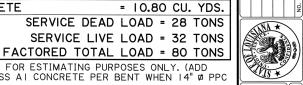
TOTAL DEFORMED REINFORCING STEEL = 2000 LBS.

	AS-DESIGNED RATING					
/	VEHICLE	RATING FACTOR	NOTES			
	HL-93 (INV)	1.358				
	HL-93 (OPR)	1.761				
	LADV-II (INV)	1.045	MAGNIFICATION FACTOR = 1.3			

CLASS AT CONCRETE

MAX. PILE LOAD:

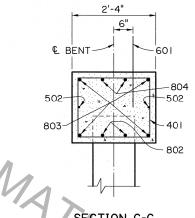


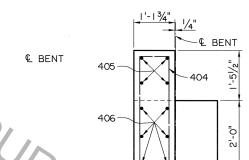


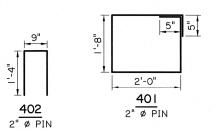
= 10.80 CU. YDS.

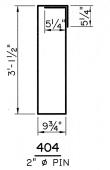
SECTION B-B

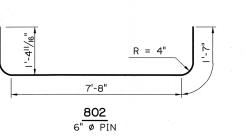
 $SCALE : \frac{3}{4}" = 1'-0"$

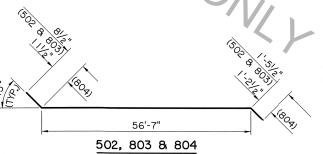












END ELEVATION SCALE : $\frac{3}{4}$ " = 1'-0"

3³/₄" Ø PIN (502) 6" Ø PIN (803 - 804)

BENT 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 8 2009 INTERIMS.

DESIGN LOAD: LIVE LOAD IS HL-93, AND LADV-II (LOUISIANA DESIGN VEHICLE LIVE LOAD 2011).

EXPOSED EDGES SHALL HAVE A 3/4" CHAMFER UNLESS OTHERWISE NOTED.
ALL EXPOSED FACES OF WINGWALLS AND ENDS OF CAPS SHALL RECEIVE A SURFACE FINISH AS PER SUB-SECTION 805.08 OF THE STANDARD SPECIFICATIONS, EXCEPT WHEN SPECIFIED ELSEWHERE IN THE PLANS.
1/2" PREFORMED JOINT MATERIAL AND ASPHALT SATURATED FELT SHALL BE INCLUDED IN THE PRICE BID FOR CLASS AI 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.

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 11/2 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.

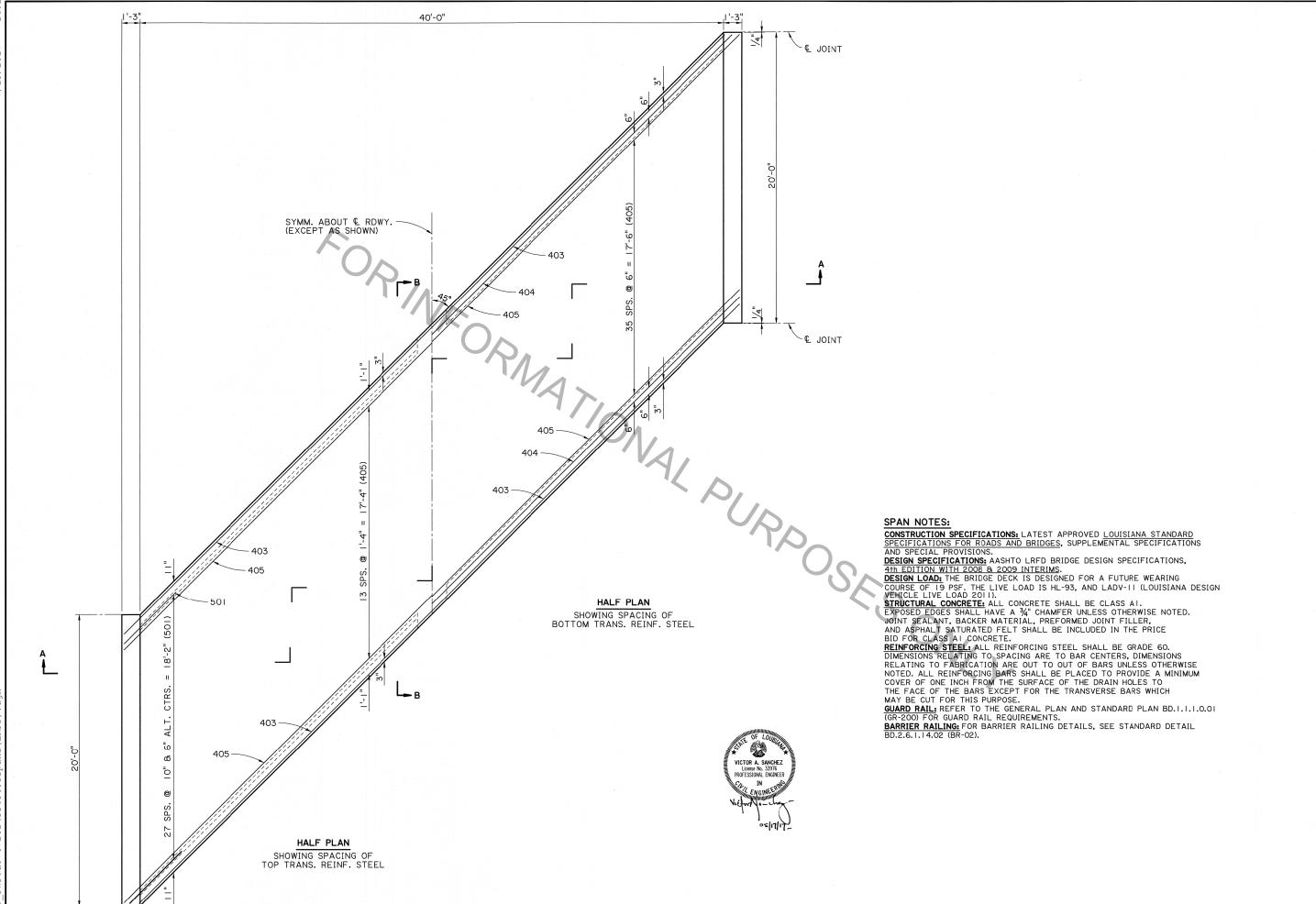


SENTS (2 OF 2) CED CONCRETE PILE BENT 9'-0" CLEAR ROADWAY SSSING ONE WAY TANGENT

J. NAKHLEH
B. DELATTE
D. HYMEL
D. HYMEL
OS/17/17
S. OS/17/17

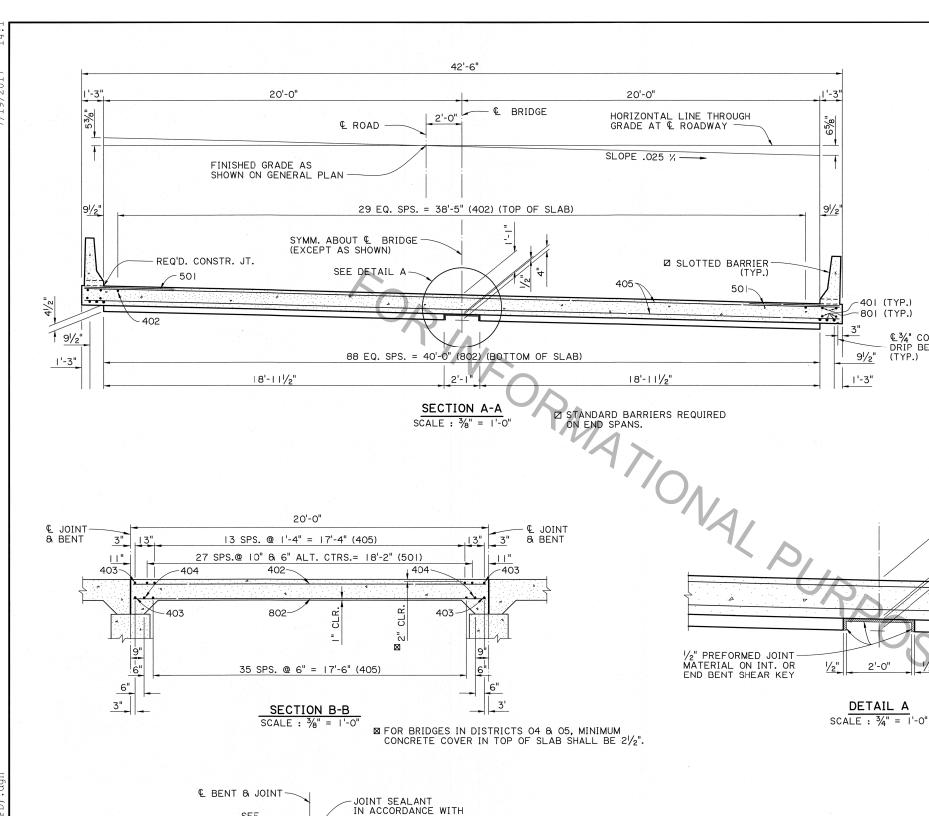
REINFORCI 40'-45° CROS











SUBSECTION 815.04

THREE (3) LAYERS OF ASPHALT SATURATED FELT SHALL BE PLACED UNDER EXPANSION BEARING ONLY

PREFORMED JOINT FILLER IN ACCORDANCE WITH SUBSECTION 815.04

DETAIL B

45° 1

DETAIL SHOWING TYPICAL JOINT

SCALE : $\frac{1}{2}$ " = 1'-0"

	ESTIMATED QUANTITIES (ONE SPAN)				
	BAR	NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION
	801	8	19'-7"	156'-8"	LONGIT. BOT. OF SLAB
	802	89	19'-5"	1728'-1"	LONGIT. BOT. OF SLAB
	TOTAL NO. 8 BARS = 1884'-9" = 5033 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	30	19'-5"	582'-6"	LONGIT. TOP OF SLAB
*	403	44	61'-3"	2695'-0"	TRANS. TOP & BOT. OF SLAB
*	404	2	60'-10"	121'-8"	TRANS. BOT. OF SLAB
*	405	2	60'-0"	120'-0"	TRANS. BOT. OF SLAB
*	406	2	59'-10"	119'-8"	TRANS. TOP OF SLAB
	TOTAL NO. 4 BARS = 3717'-2" = 2483 LBS.				

▼ TOTAL DEFORMED REINFORCING STEEL = 7808 LBS.

CONCRETE RAILING (BARRIER TYPE) = 40.00 LIN. FT.

= 35.32 CU. YDS.

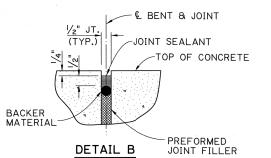
* INCLUDES ONE (1) 1'-8" MINIMUM LAP SPLICE. ALL LAP SPLICES ARE TO BE STAGGERED.

CLASS AI CONCRETE

AS-DESIGNED RATING				
VEHICLE	RATING FACTOR	NOTES		
HL-93 (INV)	1.400			
HL-93 (OPR)	1.815			
LADV-II (INV)	1.077	MAGNIFICATION FACTOR = 1.3		







DETAIL A

801 (TYP.)

91/2"

1'-3"

€3⁄4" CONT. DRIP BEAD (TYP.)

