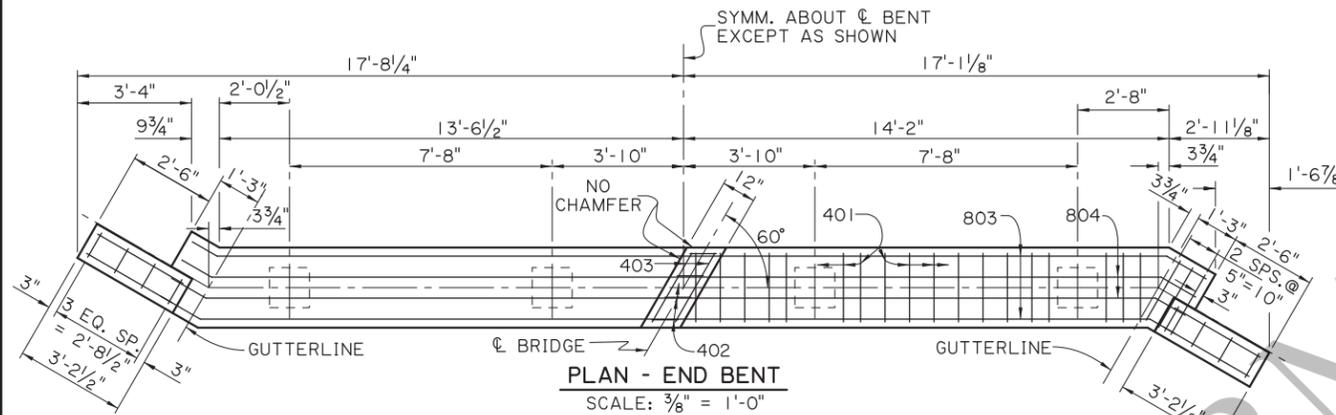


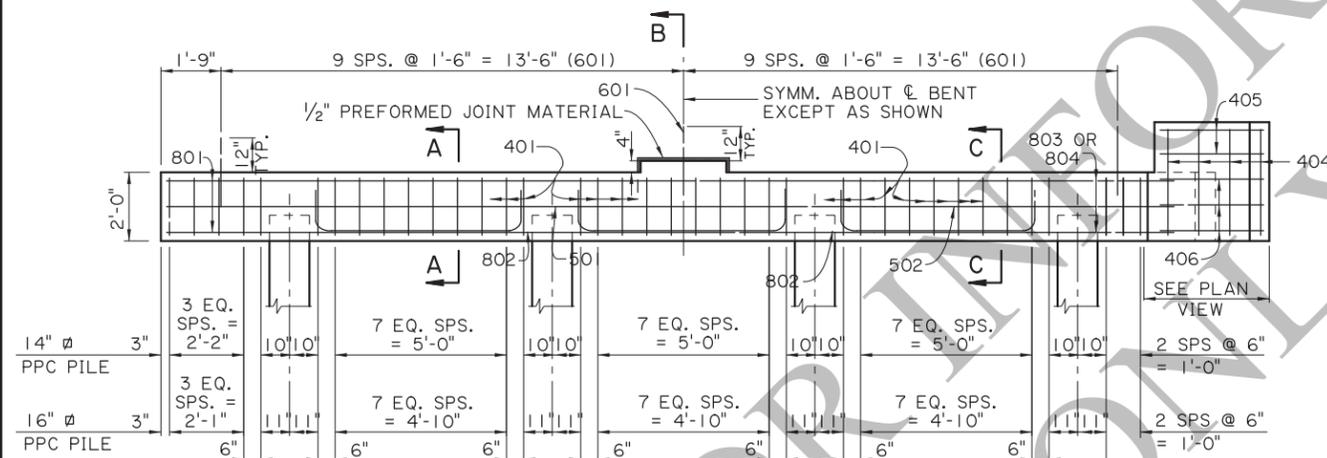
PLAN - INTERMEDIATE BENT

SCALE 3/8" = 1'-0"



PLAN - END BENT

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

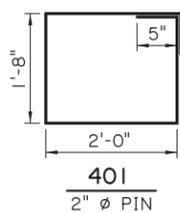


HALF ELEVATION - INTERMEDIATE BENT

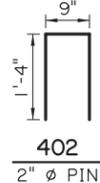
SCALE 3/8" = 1'-0"

HALF ELEVATION - END BENT

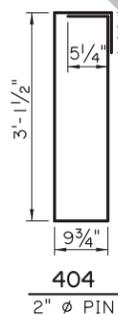
SCALE 3/8" = 1'-0"



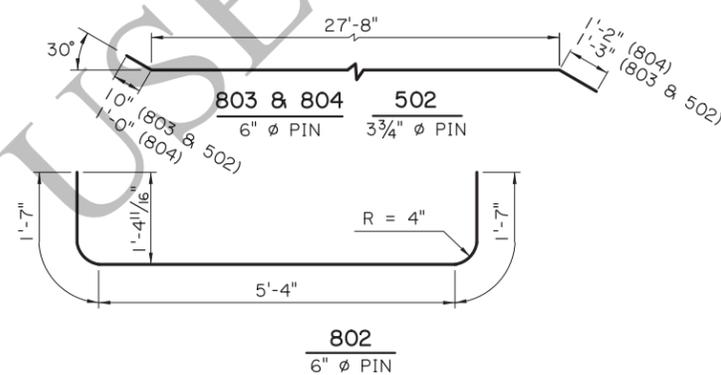
401



402



404



802

ESTIMATED QUANTITIES (ONE INTER. BENT)

BAR NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION
801	6	30'-2"	LONGIT. IN CAP
802	6	8'-6"	LONGIT. IN CAP
TOTAL NO. 8 BARS = 232'-0" = 619 LBS.			
601	19	2'-0"	DOWELS
TOTAL NO. 6 BARS = 38'-0" = 57 LBS.			
501	2	30'-2"	LONGIT. IN CAP
TOTAL NO. 5 BARS = 60'-4" = 63 LBS.			
401	40	8'-2"	STIRRUPS IN CAP
402	4	3'-5"	STIRRUPS IN RISER
403	2	2'-3"	LONGIT. IN RISER
TOTAL NO. 4 BARS = 344'-10" = 230 LBS.			

* TOTAL DEFORMED REINFORCING STEEL = 969 LBS.

o CLASS A1 CONCRETE = 5.11 CU. YDS.

MAX. PILE LOAD: SERVICE DEAD LOAD = 21 TONS
SERVICE LIVE LOAD = 34 TONS
FACTORED TOTAL LOAD = 75 TONS

* ADD 57 LBS. OF REINFORCING STEEL (19-601 DOWELS) WHEN TWO FIXED ENDS OCCUR ON THE SAME BENT.

AS-DESIGNED RATING

VEHICLE	RATING FACTOR	NOTES
HL-93 (INV)	1.565	
HL-93 (OPR)	2.028	
LADV-11 (INV)	1.204	MAGNIFICATION FACTOR = 1.3

ESTIMATED QUANTITIES (ONE END BENT)

BAR NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION
802	6	8'-6"	LONGIT. IN CAP
803	4	29'-9"	LONGIT. IN CAP
804	2	29'-10"	LONGIT. IN CAP
TOTAL NO. 8 BARS = 229'-8" = 613 LBS.			
601	19	2'-0"	DOWELS
TOTAL NO. 6 BARS = 38'-0" = 57 LBS.			
502	2	29'-9"	LONGIT. IN CAP
TOTAL NO. 5 BARS = 59'-6" = 62 LBS.			
401	42	8'-2"	STIRRUPS IN CAP
402	4	3'-5"	STIRRUPS IN RISER
403	2	2'-3"	LONGIT. IN RISER
404	8	8'-9"	STIRRUPS IN WINGWALL
405	8	2'-10"	LONGIT. IN WINGWALL
406	12	4'-0"	LONGIT. IN WINGWALL
TOTAL NO. 4 BARS = 501'-10" = 335 LBS.			

* TOTAL DEFORMED REINFORCING STEEL = 1,067 LBS.

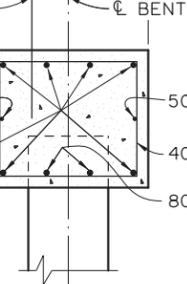
o CLASS A1 CONCRETE = 5.88 CU. YDS.

MAX. PILE LOAD: SERVICE DEAD LOAD = 21 TONS
SERVICE LIVE LOAD = 34 TONS
FACTORED TOTAL LOAD = 75 TONS

* ADD 57 LBS. OF REINFORCING STEEL (19-601 DOWELS) WHEN TWO FIXED ENDS OCCUR ON THE SAME BENT.

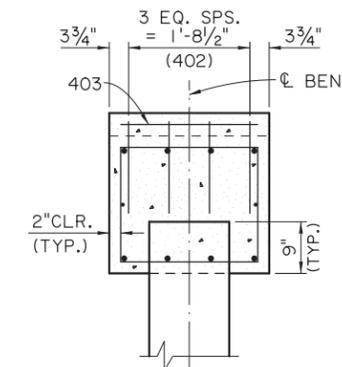
AS-DESIGNED RATING

VEHICLE	RATING FACTOR	NOTES
HL-93 (INV)	1.565	
HL-93 (OPR)	2.028	
LADV-11 (INV)	1.204	MAGNIFICATION FACTOR = 1.3



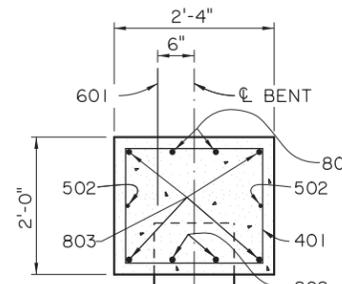
SECTION A-A

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



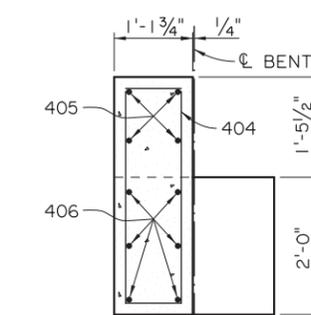
SECTION B-B

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



SECTION C-C

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



END ELEVATION

SCALE 3/4" = 1'-0"

NOTES:

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

DESIGN LOAD: LIVE LOAD IS HL-93, AND LADV-11 (LOUISIANA DESIGN VEHICLE LIVE LOAD 2011).

STRUCTURAL CONCRETE: ALL CONCRETE SHALL BE CLASS A1. EXPOSED EDGES SHALL HAVE A 3/4" CHAMFER UNLESS SPECIFIED OTHERWISE. ALL EXPOSED FACES OF WINGWALLS AND ENDS OF CAPS SHALL RECEIVE A SURFACE FINISH AS PER THE SPECIFICATIONS UNLESS SPECIFIED OTHERWISE.

REINFORCING STEEL: ALL REINFORCING SHALL BE GRADE 60. DIMENSIONS RELATING TO FABRICATION ARE OUT TO OUT OF BARS, UNLESS SPECIFIED OTHERWISE. DIMENSIONS RELATING TO SPACING ARE TO BAR CENTERS, UNLESS SPECIFIED OTHERWISE. DOWELS (601 BARS) SHALL BE PROVIDED AT ALL FIXED BEARINGS AND APPROACH SLAB BEARINGS. ALL EXPOSED ENDS OF DOWELS SHALL BE WRAPPED WITH TWO LAYERS OF 15 LB. ASPHAL SATURATED FELT. CLOSE FITTING TUBES OF COMPRESSIBLE MATERIAL NOT LESS THAN 3/16" THICK MAY BE SUBSTITUTED.

PRECAST CONCRETE PILES: CONFORM TO PILE STANDARD PLAN AND PROJECT PLANS FOR FABRICATION AND INSTALLATION. PILES WILL BE PAID FOR UNDER THE DESIGNATED PILE PAY ITEMS.

PREFORMED JOINT MATERIAL: PREFORMED JOINT MATERIAL SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS.

PAYMENT: ALL OTHER WORK WILL BE PAID FOR UNDER THE DESIGNATED BRIDGE SUPERSTRUCTURE AND SUBSTRUCTURE PAY ITEM AND IN ACCORDANCE WITH THE SPECIFICATIONS.

SHEET NUMBER: []

PARISH: []

CONTROL SECTION: []

STATE PROJECT: []

DESIGN: B. DELATTE

CHECK: J. NAKHLEH

DETAIL: D. HYVEL

CHECK: J. NAKHLEH

REVIEW: []

SERIES: 1 OF 11

APPROVED BY CHIEF ENGINEER: []

DATE: 12/10/2025

REVISION OR CHANGE ORDER DESCRIPTION: []

NO. [] DATE []

STATE OF LOUISIANA

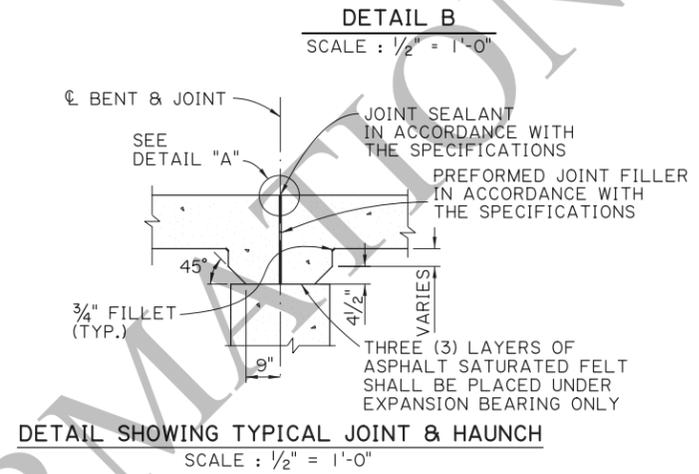
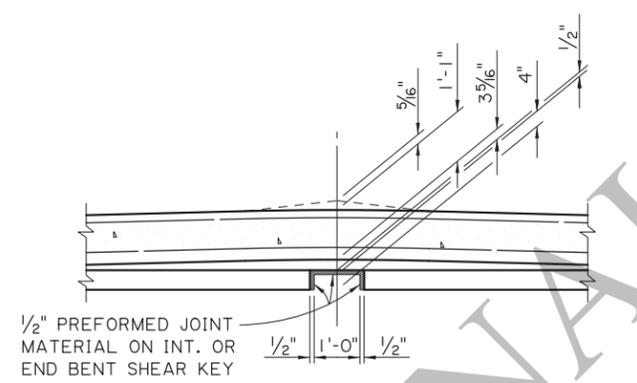
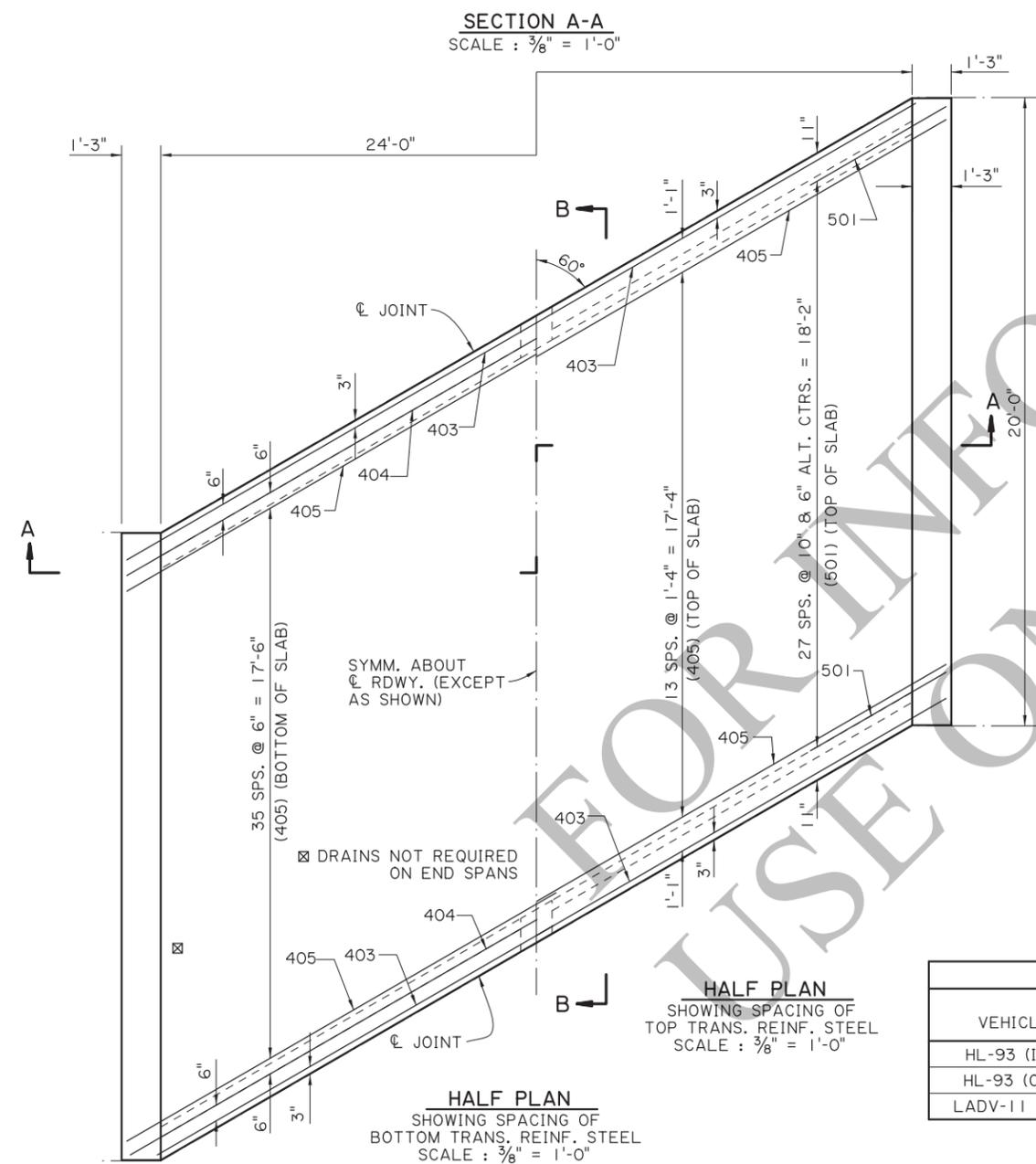
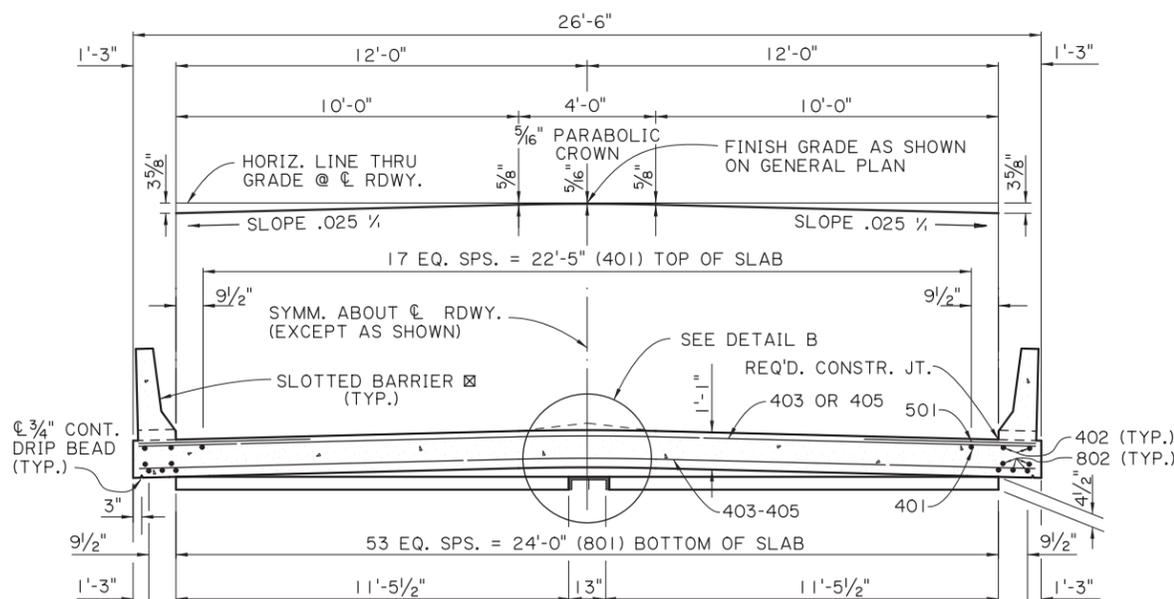
REINFORCED CONCRETE PILE BENTS

24'-0" CLEAR ROADWAY

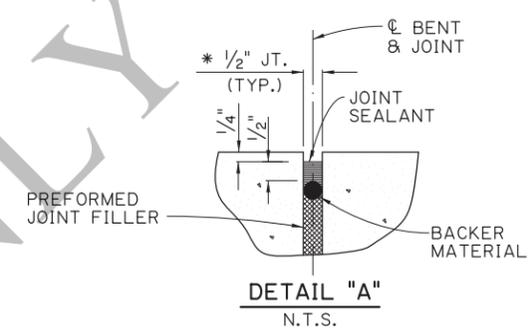
60' CROSSING TWO WAY TANGENT

PSS-60-24-20SL

STANDARD PLAN



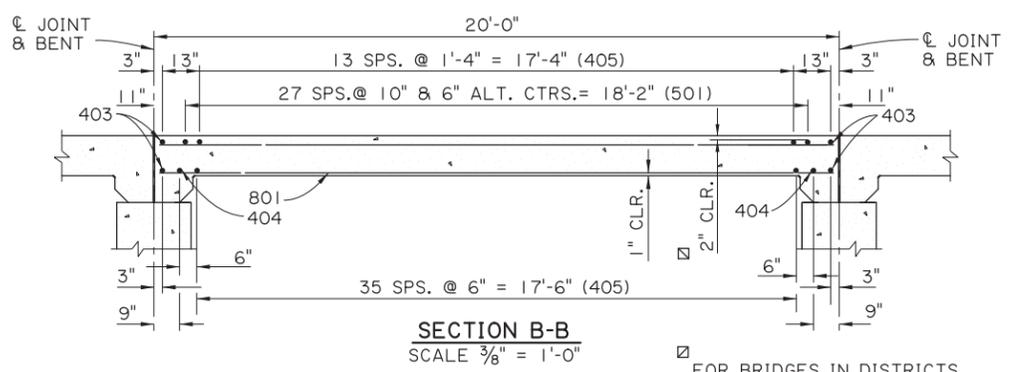
- ☒ STANDARD BARRIER REQUIRED ON END SPANS.
- * MEASURED PARALLEL TO ϕ ROADWAY.



AS-DESIGNED RATING		
VEHICLE	RATING FACTOR	NOTES
HL-93 (INV)	1.346	—
HL-93 (OPR)	1.745	—
LADV-II (INV)	1.036	MAGNIFICATION FACTOR = 1.3

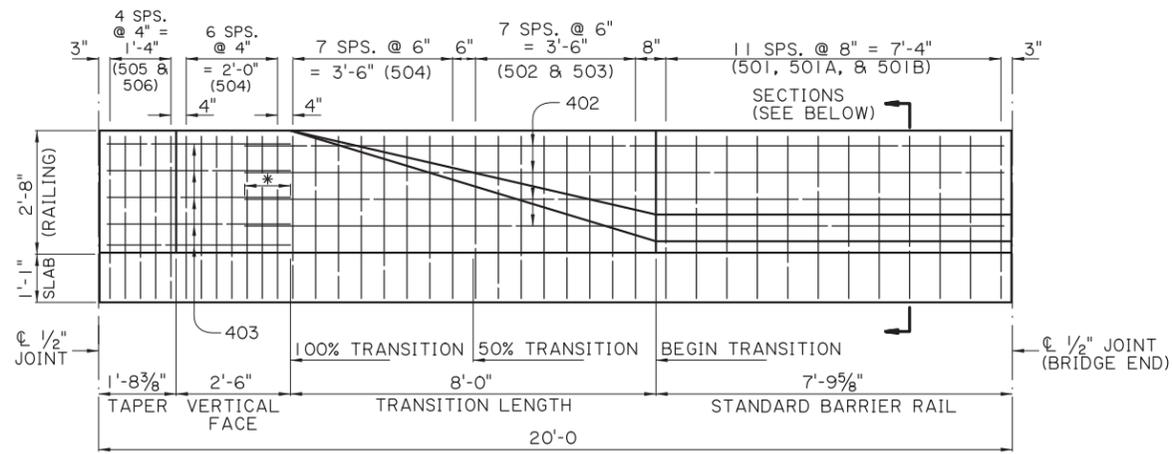
ESTIMATED QUANTITIES (ONE SPAN)				
BAR NO.	NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION
801	54	19'-6"	1053'-0"	LONGIT. BOT. OF SLAB
802	8	19'-7"	156'-8"	LONGIT. BOT. OF SLAB
TOTAL NO. 8 BARS = 1209'-8" = 3230 LBS.				
501	56	5'-0"	280'-0"	TRANS. TOP OF SLAB
TOTAL NO. 5 BARS = 280'-0" = 292 LBS.				
401	18	19'-6"	351'-0"	LONGIT. TOP OF SLAB
402	4	19'-7"	78'-4"	LONGIT. TOP OF SLAB
403	4	29'-1"	116'-4"	TRANS. TOP & BOT. OF SLAB
404	2	30'-1"	60'-2"	TRANS. BOT. OF SLAB
405	50	30'-2"	1508'-4"	TRANS. TOP & BOT. OF SLAB
TOTAL NO. 4 BARS = 2114'-2" = 1412 LBS.				
TOTAL DEFORMED REINFORCING STEEL = 4934 LBS.				
CLASS A1 CONCRETE = 22.21 CU. YDS.				
CONCRETE RAILING (BARRIER TYPE) = 40.00 LIN. FT.				

SPAN NOTES:
DESIGN SPECIFICATIONS:
 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 4th EDITION, AND 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-II (LOUISIANA DESIGN VEHICLE LIVE LOAD 2011).
STRUCTURAL CONCRETE:
 ALL CONCRETE SHALL BE CLASS A1. EXPOSED EDGES SHALL HAVE A 3/4" CHAMFER UNLESS SPECIFIED OTHERWISE. ALL BARRIER RAIL SURFACES ARE TO RECEIVE A CLASS 3 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 SPECIFIED OTHERWISE. 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:
 CONFORM TO PROJECT PLANS AND GUARD RAIL STANDARD PLANS.
PAYMENT:
 ALL WORK WILL BE PAID FOR UNDER THE DESIGNATED BRIDGE SUPERSTRUCTURE AND SUBSTRUCTURE PAY ITEM AND IN ACCORDANCE WITH THE SPECIFICATIONS.

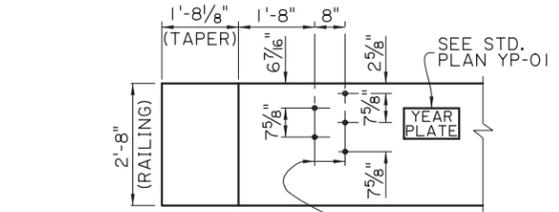
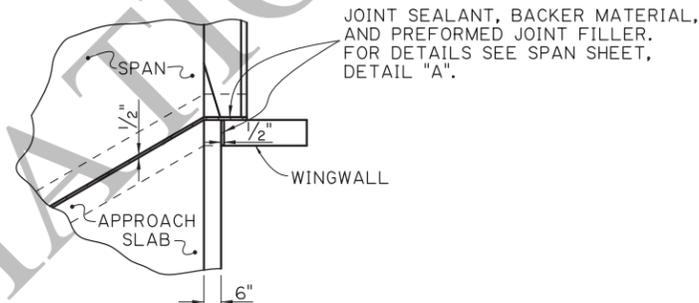
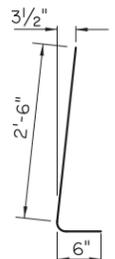
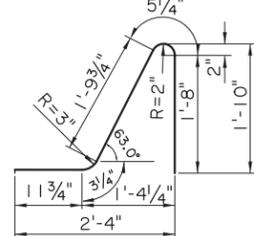
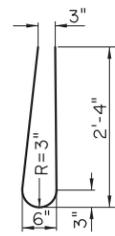


☒ FOR BRIDGES IN DISTRICTS 04 & 05, MIN. CONCRETE COVER IN TOP OF SLAB SHALL BE 2 1/2".

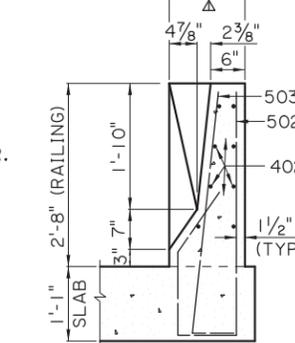
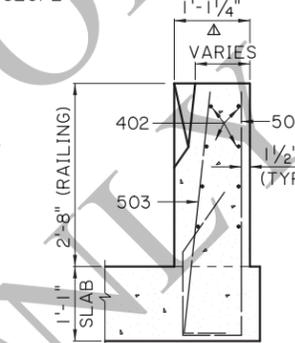
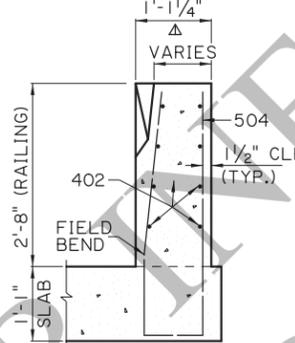
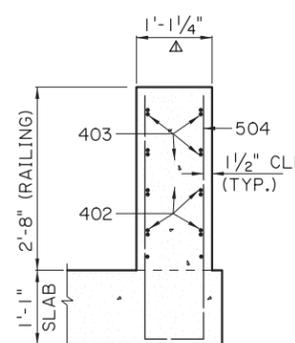
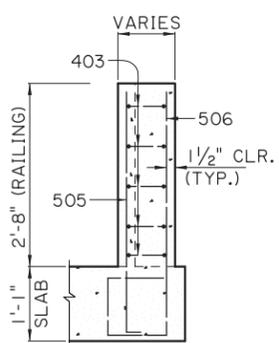
SHEET NUMBER		PARISH		CONTROL SECTION		STATE PROJECT	
DESIGN	J. PAINE	CHECK	J. NAKHLEH	DETAIL	D. HYMEL	CHECK	J. NAKHLEH
APPROVED BY CHIEF ENGINEER:				REVIEW		SERIES #	2 OF 11
				DATE:	12/10/2025		
REVISION OR CHANGE ORDER DESCRIPTION							
SPAN (1 OF 2) 20'-0" CONCRETE SLAB SPAN 24'-0" CLEAR ROADWAY 60' CROSSING TWO WAY TANGENT							
STANDARD PLAN PSS-60-24-20SL							



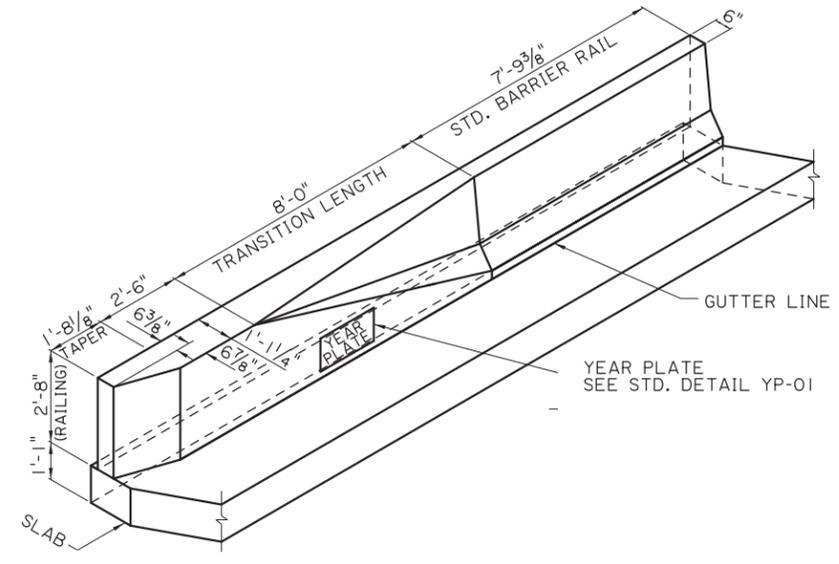
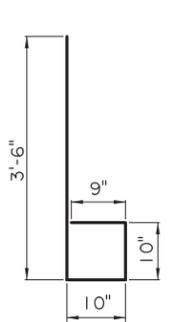
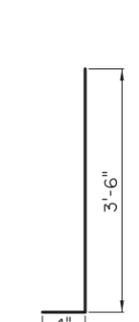
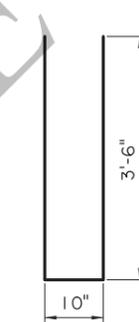
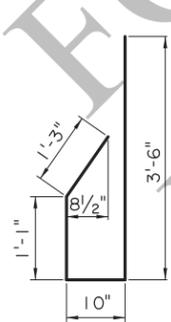
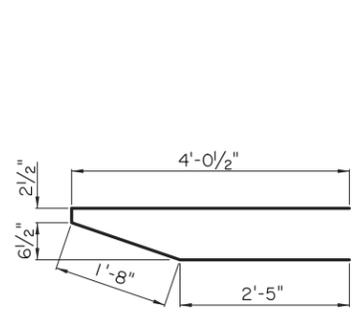
* 1'-0" (MIN.) SPLICE



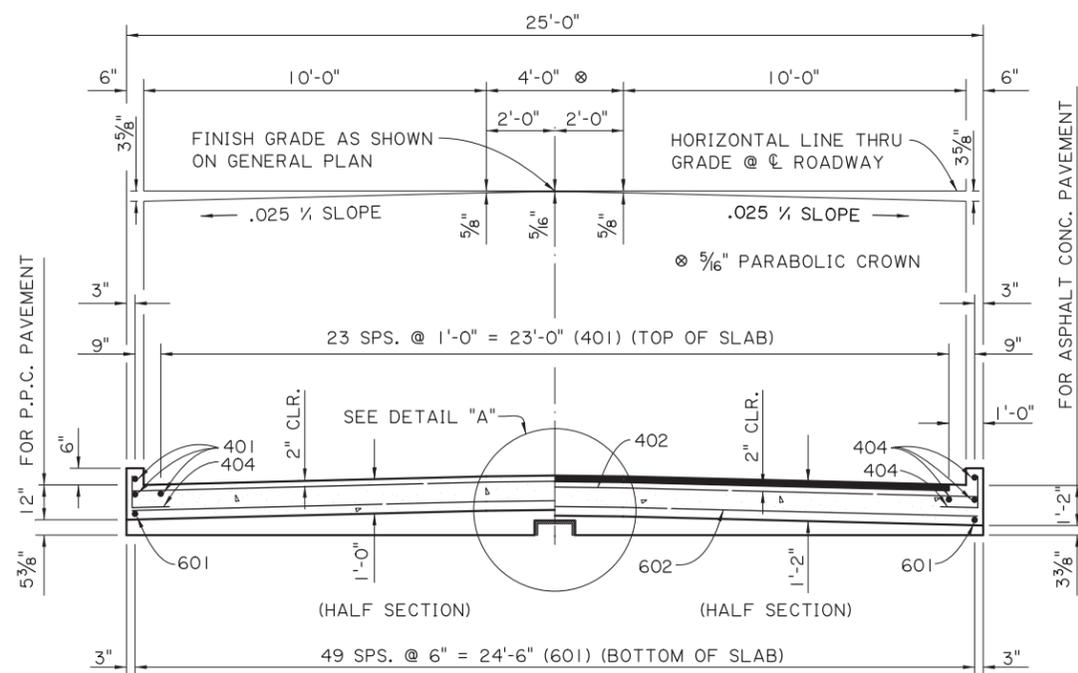
1" Ø PREFORMED HOLES FOR GUARD RAIL CONNECTION



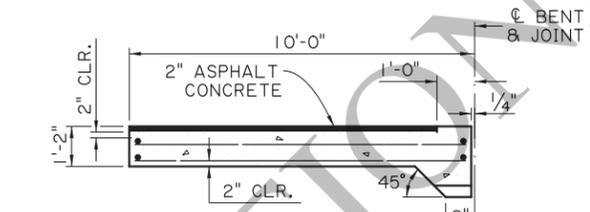
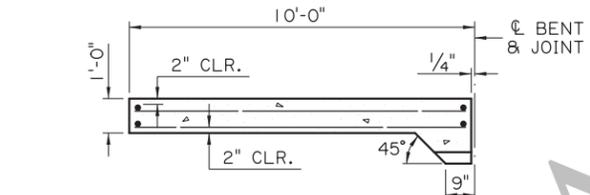
BARRIER RAILING TRANSITION SECTIONS
SCALE: 3/4" = 1'-0"



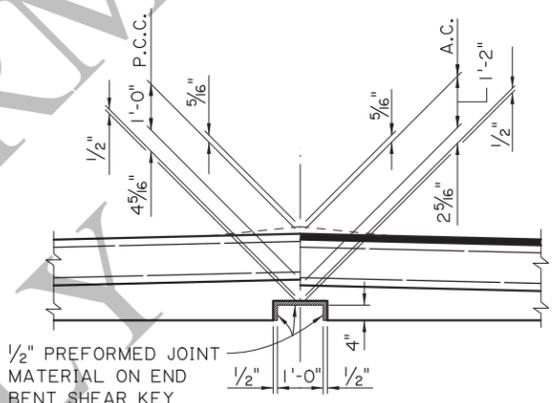
SHEET NUMBER		PARISH		CONTROL SECTION		STATE PROJECT	
DESIGN	J. PAINE	CHECK	J. NAKHLEH	DETAIL	D. HYMEL	CHECK	J. NAKHLEH
APPROVED BY CHIEF ENGINEER:	[Signature]		DATE:	12/10/2025		REVISION OR CHANGE ORDER DESCRIPTION	
NO.		DATE		BY		DATE	
STATE OF LOUISIANA		DEPARTMENT OF TRANSPORTATION & DEVELOPMENT		STANDARD PLAN		PSS-60-24-20SL	
SPAN (2 OF 2)		20'-0" PRECAST CONC. BARRIER		24'-0" CLEAR ROADWAY		60° CROSSING TWO WAY TANGENT	



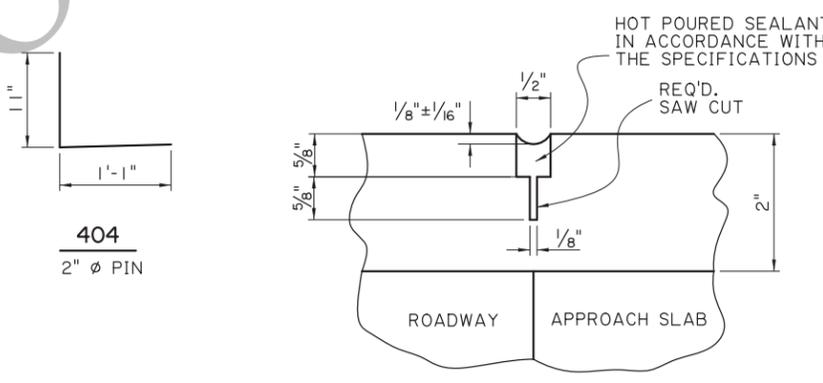
SECTION A-A
SCALE: 3/8" = 1'-0"



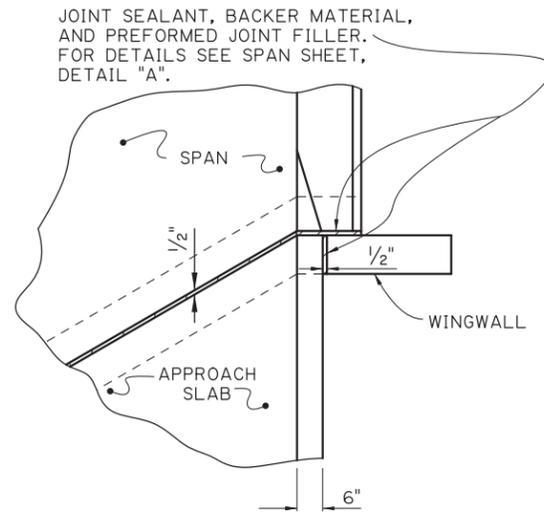
SECTION ALONG CL ROADWAY
SCALE: 3/8" = 1'-0"



DETAIL A
SCALE: 1/2" = 1'-0"



SAWING & SEALING JOINT DETAIL
N.T.S.



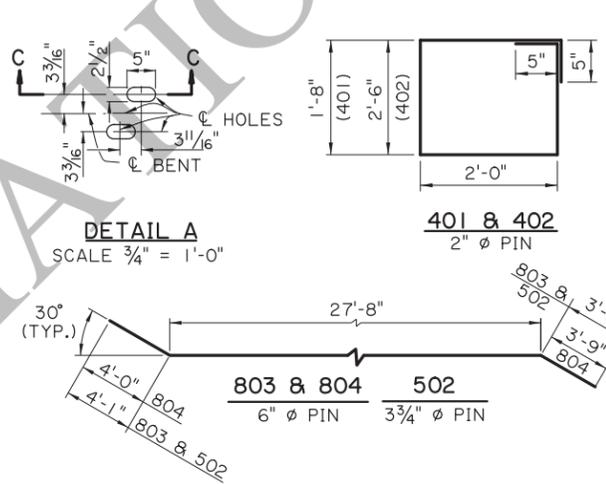
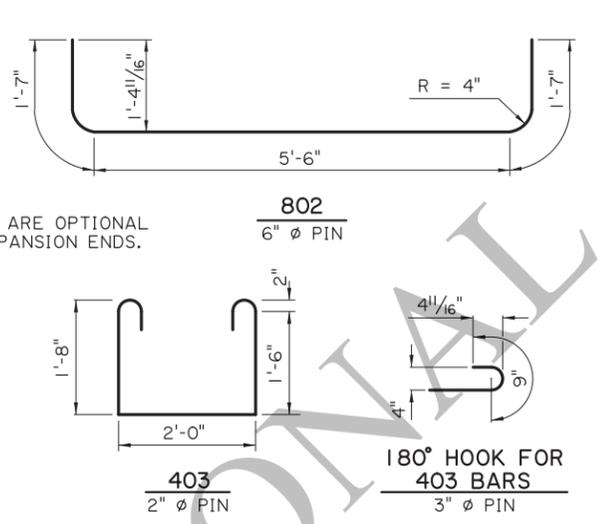
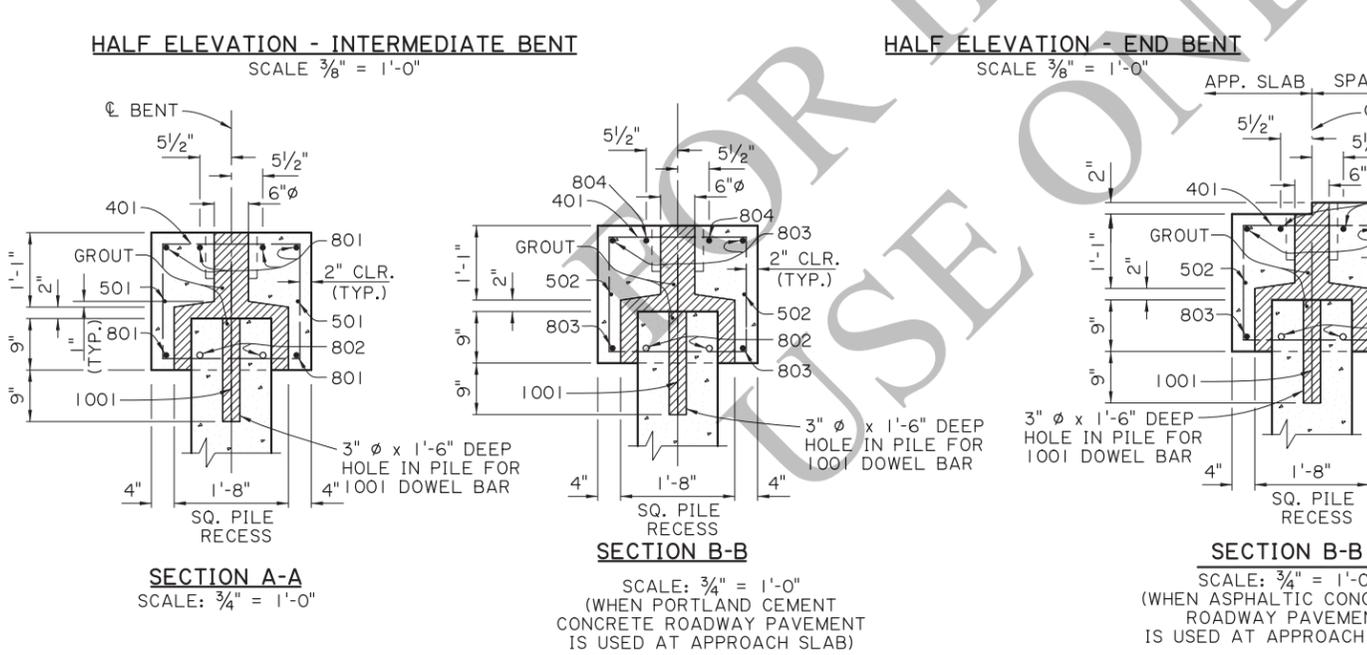
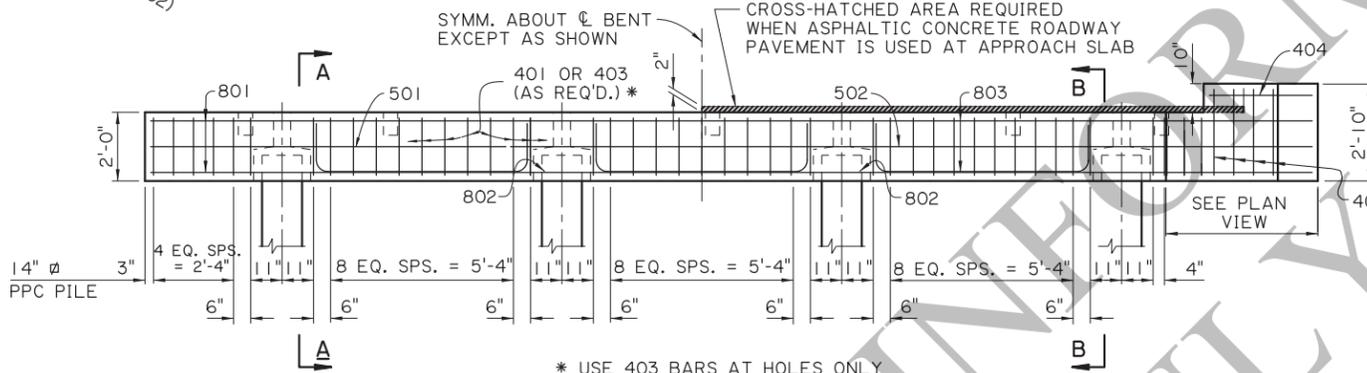
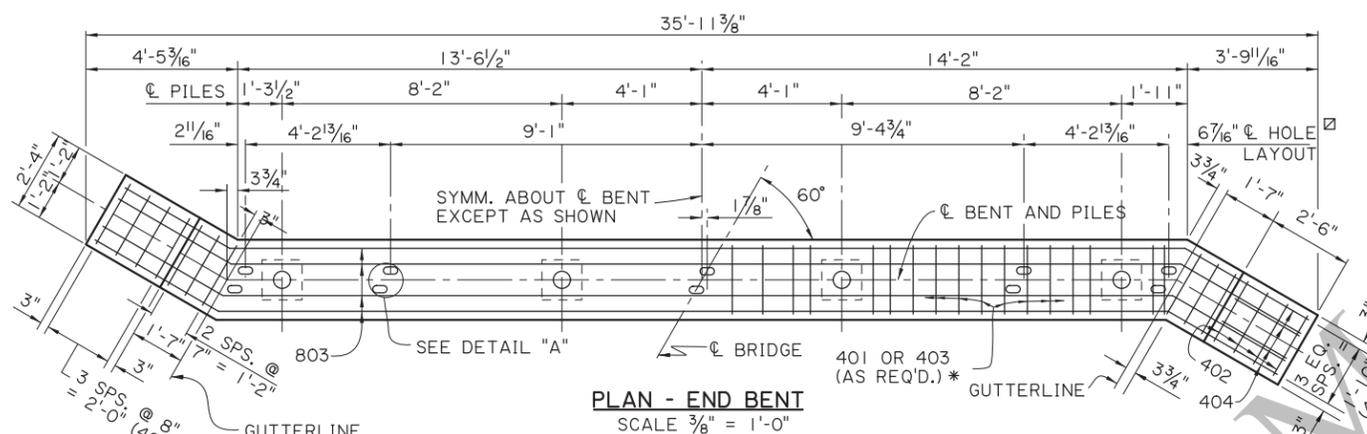
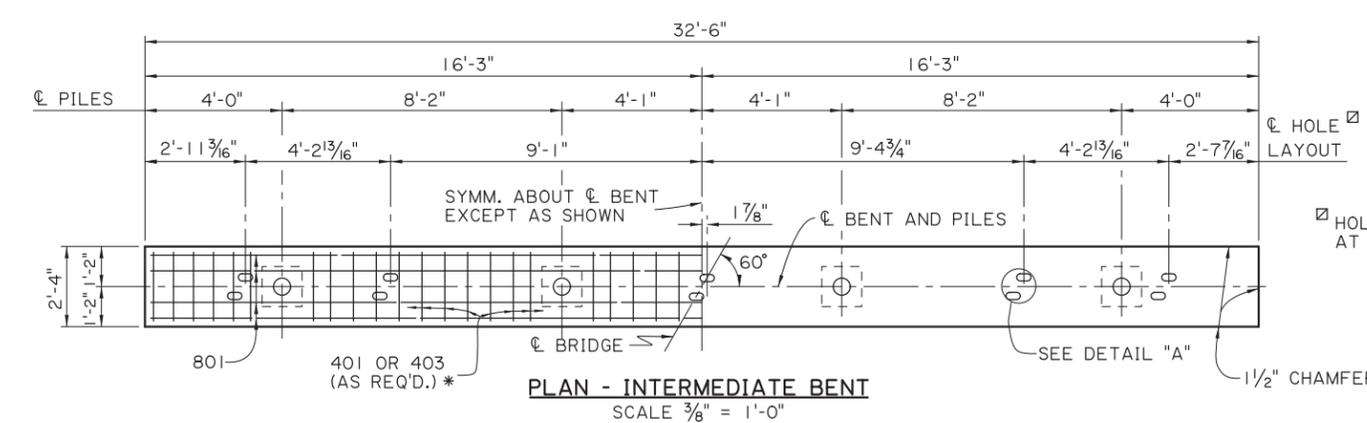
JOINT DETAIL
SCALE: 3/8" = 1'-0"

ESTIMATED QUANTITIES (ONE SLAB)				
BAR	NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION
601	50	9'-7"	479'-2"	LONGIT. BOT. OF SLAB
602	2	28'-2"	56'-4"	TRANSV. BOT. OF SLAB
603	18	28'-5"	511'-6"	TRANSV. BOT. OF SLAB
TOTAL NO. 6 BARS = 1047'-0" = 1,573 LBS.				
401	28	9'-7"	268'-4"	LONGIT. TOP OF SLAB & CURB
402	2	28'-2"	56'-4"	TRANSV. TOP OF SLAB
403	9	28'-5"	255'-9"	TRANSV. TOP OF SLAB
404	14	2'-0"	28'-0"	DOWELS IN CURB
TOTAL NO. 4 BARS = 608'-5" = 406 LBS.				
TOTAL DEFORMED REINFORCING STEEL = 1,979 LBS.				
CONCRETE APPROACH SLAB = 27.78 SQ. YDS.				
ASPHALT CONCRETE = 2.5 TONS				
SAW CUT & SEAL = 27 LIN. FT.				

APPROACH SLAB NOTES:

- DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 4th EDITION, WITH 2008 & 2009 INTERIMS.
- STRUCTURAL CONCRETE: ALL CONCRETE SHALL BE CLASS A1. EXPOSED EDGES SHALL HAVE A 3/4" CHAMFER, UNLESS SPECIFIED OTHERWISE.
- REINFORCING STEEL: ALL REINFORCING STEEL SHALL BE GRADE 60. DIMENSIONS RELATING TO THE FABRICATION ARE OUT-TO-OUT OF BARS, UNLESS SPECIFIED OTHERWISE. DIMENSIONS RELATING TO SPACING ARE TO BAR CENTERS, UNLESS SPECIFIED OTHERWISE.
- BEDDING MATERIAL: FOR DETAILS OF BEDDING MATERIAL AND UNDERDRAINS SEE APPROACH SLAB STANDARD DETAILS.
- SAWING & SEALING: THE ASPHALT CONCRETE SHALL BE SAW CUT AT THE END OF THE CONCRETE APPROACH SLAB THE ENTIRE ROADWAY WIDTH AND SEALED WHICH WILL BE PAID FOR UNDER THE DESIGNATED ROADWAY PAY ITEM.
- PAYMENT: ALL OTHER WORK WILL BE PAID FOR UNDER THE DESIGNATED BRIDGE CONCRETE APPROACH SLAB PAY ITEM AND IN ACCORDANCE WITH THE SPECIFICATIONS.

SHEET NUMBER	
DESIGN	B. DELATTE
CHECK	J. NAKHLEH
DETAIL	D. HYMEL
CHECK	J. NAKHLEH
REVIEW	
SERIES	4 OF 11
DATE	12/10/2025
NO.	
DATE	
REVISION OR CHANGE ORDER DESCRIPTION	
BY	
DATE	
	
<p>APPROACH SLAB CONCRETE APPROACH SLAB 24'-0" CLEAR ROADWAY 60° CROSSING TWO WAY TANGENT</p>	
<p>DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT</p>	
<p>STANDARD PLAN</p>	



AS-DESIGNED RATING

VEHICLE	RATING FACTOR	NOTES
HL-93 (INV)	1.819	
HL-93 (OPR)	2.358	
LADV-11 (INV)	1.399	MAGNIFICATION FACTOR = 1.3

ESTIMATED QUANTITIES (ONE INTER. BENT)

BAR NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION
1001	4	2'-4"	9'-4" DOWELS IN PILES
TOTAL NO. 10 BARS = 9'-4" = 40 LBS.			
801	6	32'-2"	193'-0" LONGIT. IN CAP
802	6	8'-8"	52'-0" LONGIT. IN CAP BTW. PILES
TOTAL NO. 8 BARS = 245'-0" = 654 LBS.			
501	2	32'-2"	64'-4" LONGIT. IN CAP
TOTAL NO. 5 BARS = 64'-4" = 67 LBS.			
401	36	8'-2"	294'-0" STIRRUPS IN CAP
403	9	6'-6"	58'-6" STIRRUPS IN CAP
TOTAL NO. 4 BARS = 352'-6" = 235 LBS.			
TOTAL DEFORMED REINFORCING STEEL = 996 LBS.			
TOTAL CLASS PI CONCRETE = 5.17 CU. YDS.			
MAX. PILE LOAD: SERVICE DEAD LOAD = 19 TONS			
SERVICE LIVE LOAD = 36 TONS			
FACTORED TOTAL LOAD = 76 TONS			
TOTAL GROUT FOR PILE RECESSES = 0.26 CU. YDS.			

ESTIMATED QUANTITIES (ONE END BENT)

BAR NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION
1001	4	2'-4"	9'-4" DOWELS IN PILES
TOTAL NO. 10 BARS = 9'-4" = 40 LBS.			
802	6	8'-8"	52'-0" LONGIT. IN CAP BTW. PILES
803	4	35'-5"	141'-8" LONGIT. IN CAP
804	2	35'-5"	70'-10" LONGIT. IN CAP
TOTAL NO. 8 BARS = 264'-6" = 706 LBS.			
502	2	35'-5"	70'-10" LONGIT. IN CAP
TOTAL NO. 5 BARS = 70'-10" = 74 LBS.			
401	34	8'-2"	277'-8" STIRRUPS IN CAP
402	8	9'-10"	78'-8" STIRRUPS IN WINGWALL
403	4	6'-6"	58'-6" STIRRUPS IN CAP
404	8	2'-2"	17'-4" LONGIT. IN WINGWALL
TOTAL NO. 4 BARS = 432'-2" = 289 LBS.			
TOTAL DEFORMED REINFORCING STEEL = 1,109 LBS.			
TOTAL CLASS PI CONCRETE = 6.12 CU. YDS.			
MAX. PILE LOAD: SERVICE DEAD LOAD = 19 TONS			
SERVICE LIVE LOAD = 36 TONS			
FACTORED TOTAL LOAD = 76 TONS			
TOTAL GROUT FOR PILE RECESSES = 0.26 CU. YDS.			

ADD 0.22 CU. YDS. OF CLASS PI CONCRETE PER BENT WHEN ASPHALTIC CONCRETE ROADWAY PAVEMENT IS USED AT APPROACH SLAB.

ALTERNATE BENT NOTES:
DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 4th EDITION, WITH 2008 & 2009 INTERIMS.
DESIGN LOAD: LIVE LOAD IS HL-93, AND LADV-11 (LOUISIANA DESIGN VEHICLE LIVE LOAD 2011).
STRUCTURAL CONCRETE: ALL CONCRETE SHALL BE CLASS PI. STEEL SIDE FORMS AND STEEL OR CONCRETE BOTTOM FORMS SHALL BE USED FOR PRECAST COMPONENTS. EXPOSED EDGES SHALL HAVE A 3/4" CHAMFER UNLESS SPECIFIED OTHERWISE. ALL SURFACES SHALL RECEIVE A CLASS 1 ORDINARY SURFACE FINISH UPON REMOVAL OF THE FORMS. ALL EXPOSED FACES OF WINGWALLS AND ENDS OF CAPS SHALL RECEIVE A CLASS 3 SPECIAL SURFACE FINISH.
REINFORCING STEEL: ALL REINFORCING SHALL BE GRADE 60. DIMENSIONS RELATING TO FABRICATION ARE OUT TO OUT OF BARS, UNLESS SPECIFIED OTHERWISE. DIMENSIONS RELATING TO SPACING ARE TO BAR CENTERS, UNLESS SPECIFIED OTHERWISE.
GROUT: THE GROUT SHALL BE AN APPROVED FLOWABLE NON-SHRINK GROUT LISTED ON AML. THE GROUT SHALL BE TESTED FOR ACCEPTANCE PRIOR TO USAGE. SURFACES SHALL BE THOROUGHLY SATURATED WITH WATER BY FLOODING THE VOID FOR APPROXIMATELY 5 MINUTES IMMEDIATELY BEFORE THE GROUT IS PLACED. ONLY POTABLE WATER SHALL BE USED FOR SATURATION AND MIXING PURPOSES.
PRECAST UNITS: THE PLANS FOR AN ONGOING OPERATION OF FABRICATING FACILITIES SHALL BE APPROVED BY THE DEPARTMENT. EACH UNIT SHALL HAVE THE FABRICATOR'S MARK AND UNIQUE NUMBER, MEETING THE APPROVAL OF THE ENGINEER, STAMPED OR SCRIBED IN THE PLASTIC CONCRETE. ALL UNITS SHALL BE HELD AT THE PLANT FOR A MINIMUM OF 10 DAYS AFTER CASTING. THE CONCRETE SHALL REACH A MINIMUM STRENGTH OF 3,000 PSI BEFORE HANDLING IS PERMITTED. THE LIFTING INSERTS SHALL BE 1" TYPE S INSERTS AS MANUFACTURED BY DAYTON-SUPERIOR CORPORATION OR AN APPROVED EQUAL. EACH INSERT SHALL HAVE A MINIMUM LOAD CAPACITY OF 10,000 POUNDS. FOUR INSERTS WITH 1" Ø x 5" LONG COIL BOLTS SHALL BE PLACED IN THE TOP OF THE UNITS AND LOCATED AT A DISTANCE 21% OF ITS LENGTH (+/- 6") FROM EACH END AND 6" FROM THE EDGES. INSERT HOLES SHALL BE GROUT FILLED AFTER PLACEMENT OF THE UNIT. AT THE CONTRACTOR'S OPTION, A SLING OF SUFFICIENT CAPACITY MAY BE USED FOR LIFTING, PROVIDED THE SAME PICKUP LOCATIONS FROM THE ENDS ARE USED.
PRECAST CONCRETE PILES: CONFORM TO PILE STANDARD PLAN AND PROJECT PLANS FOR FABRICATION AND INSTALLATION. IF TOP CENTER OF DRIVEN PILE IS OUTSIDE OF SPECIFIED HORIZONTAL TOLERANCES BUT WITHIN SPECIFIED VERTICAL TOLERANCES, PROVIDE CAST-IN-PLACE BENT CAP IN ACCORDANCE WITH THIS STANDARD PLAN. PILES WILL BE PAID FOR UNDER THE DESIGNATED PILE PAY ITEMS.
PAYMENT: ALL OTHER WORK WILL BE PAID FOR UNDER THE DESIGNATED BRIDGE SUPERSTRUCTURE AND SUBSTRUCTURE PAY ITEM AND IN ACCORDANCE WITH THE SPECIFICATIONS.

SHEET NUMBER

DESIGN: B. DELATTE
 CHECK: J. NAKHLEH
 PARISH: DELATTE

DETAIL: D. HYVEL
 CHECK: J. NAKHLEH
 CONTROL SECTION

REVIEW: J. NAKHLEH
 STATE PROJECT

APPROVED BY CHIEF ENGINEER: [Signature]

DATE: 12/10/2025

REVISION OR CHANGE ORDER DESCRIPTION

NO. DATE

BY

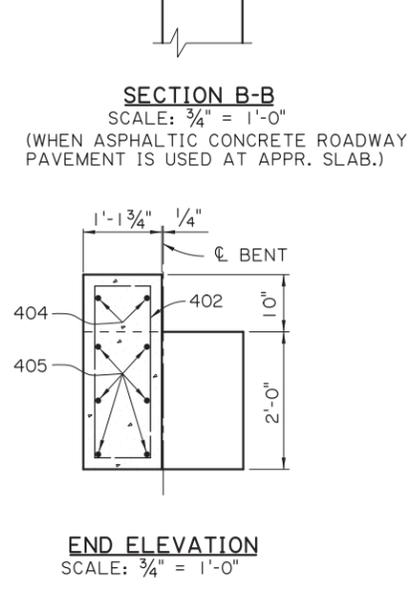
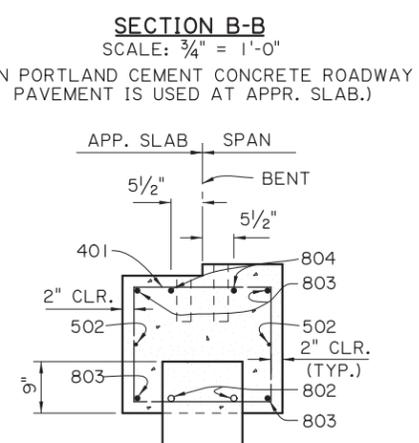
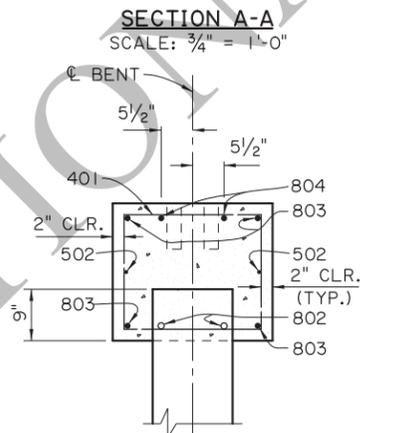
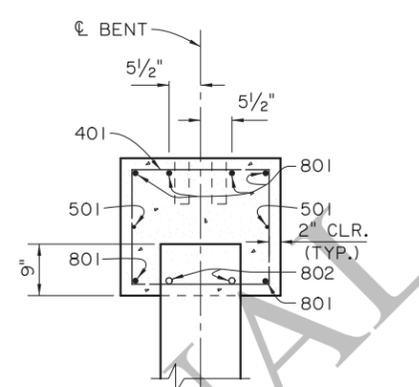
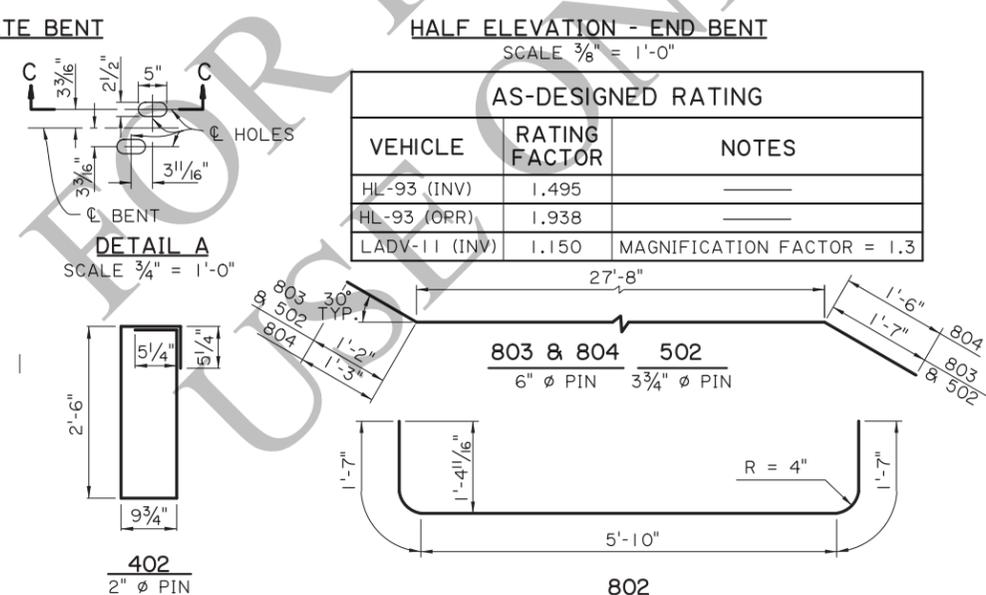
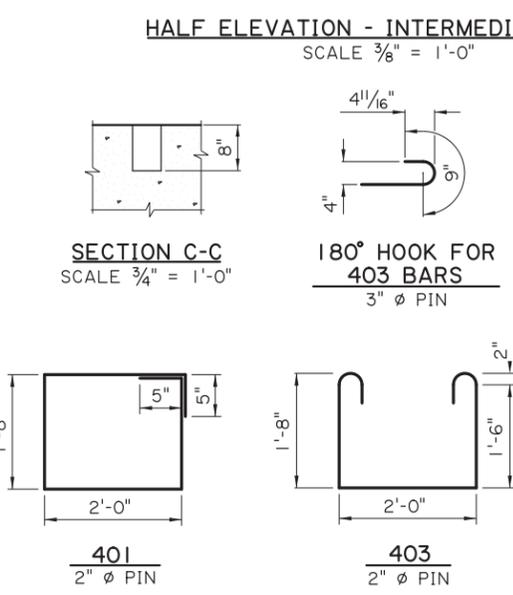
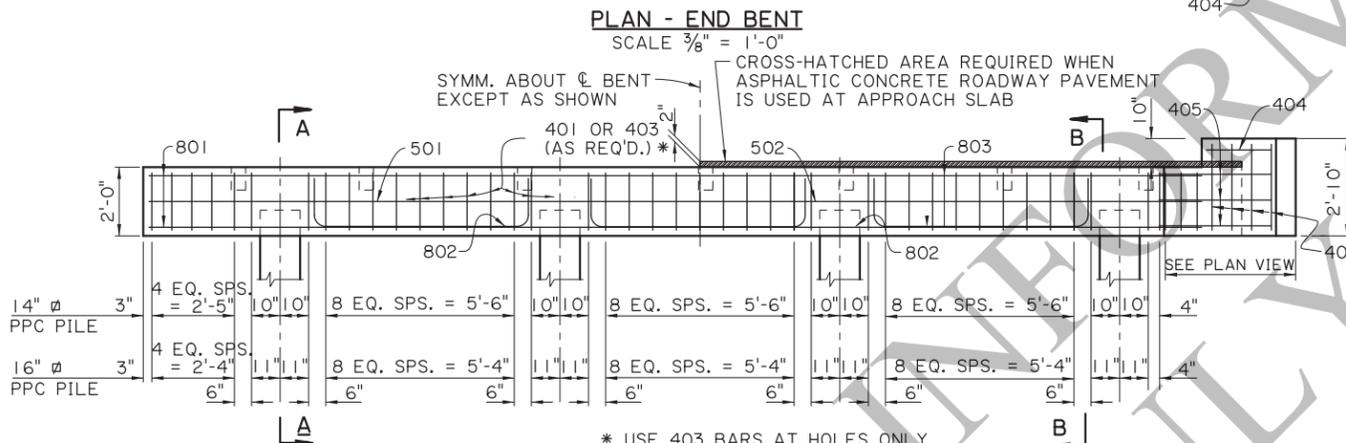
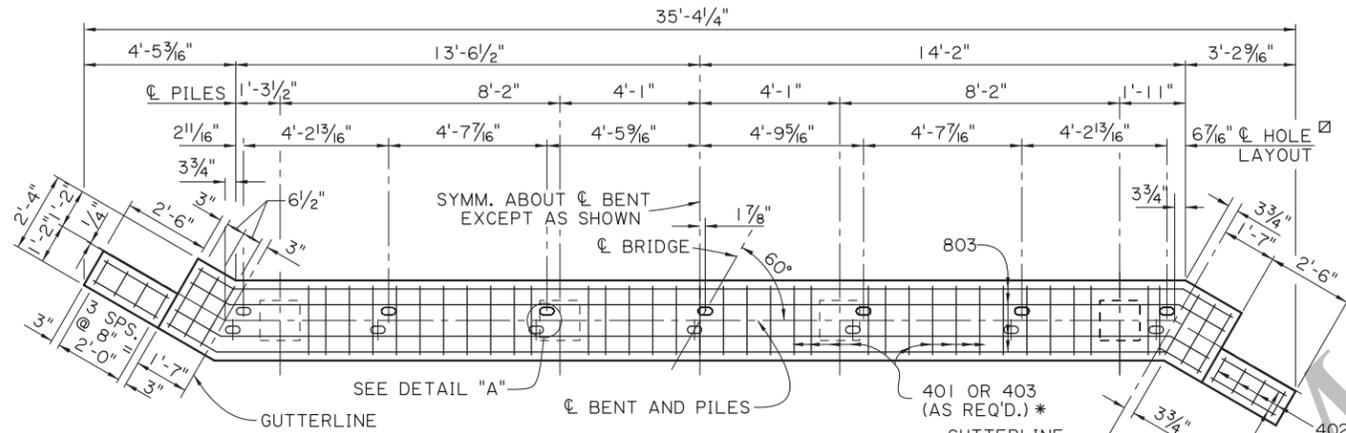
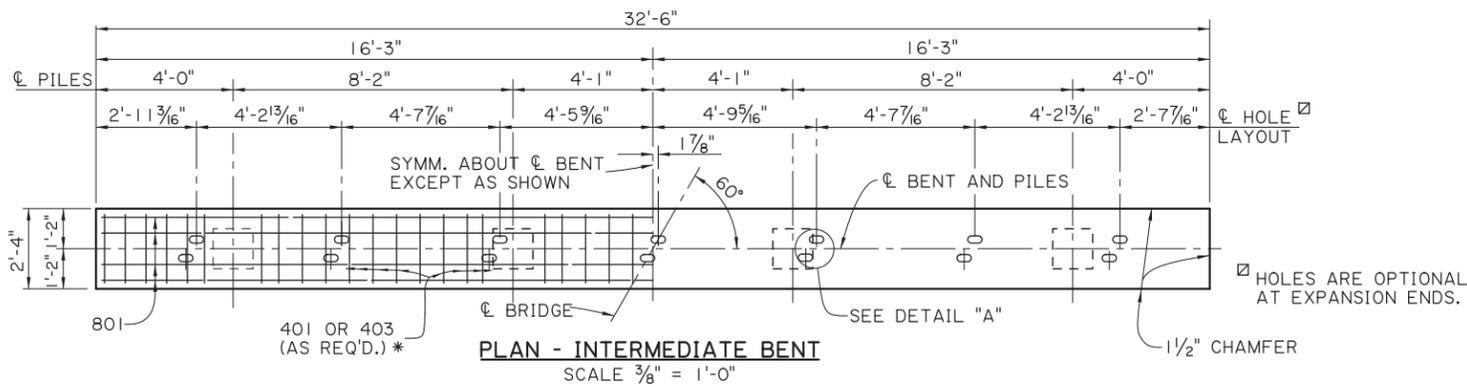
STATE OF LOUISIANA
 TRANSPORTATION & DEVELOPMENT

ALTERNATE BENTS
 PRECAST CONCRETE BENT

24'-0" CLEAR ROADWAY
 60° CROSSING TWO WAY TANGENT

PSS-60-24-20SL

STANDARD PLAN



ESTIMATED QUANTITIES (ONE INTER. BENT)				
BAR NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION	
801	6	32'-2"	193'-0"	LONGIT. IN CAP
802	6	9'-0"	54'-0"	LONGIT. IN CAP BTW. PILES
TOTAL NO. 8 BARS = 247'-0"			= 659 LBS.	
501	2	32'-2"	64'-4"	LONGIT. IN CAP
TOTAL NO. 5 BARS = 64'-4"			= 67 LBS.	
401	34	8'-2"	277'-8"	STIRRUPS IN CAP
403	11	6'-6"	71'-6"	STIRRUPS IN CAP
TOTAL NO. 4 BARS = 349'-2"			= 233 LBS.	
TOTAL DEFORMED REINFORCING STEEL = 959 LBS.				
TOTAL CLASS A1 CONCRETE = 5.39 CU. YDS.				
MAX. PILE LOAD: SERVICE DEAD LOAD = 19 TONS				
SERVICE LIVE LOAD = 36 TONS				
FACTORED TOTAL LOAD = 76 TONS				

ESTIMATED QUANTITIES (ONE END BENT)				
BAR NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION	
802	6	9'-0"	54'-0"	LONGIT. IN CAP BTW. PILES
803	4	30'-5"	121'-8"	LONGIT. IN CAP
804	2	30'-5"	60'-10"	LONGIT. IN CAP
TOTAL NO. 8 BARS = 236'-6"			= 631 LBS.	
502	2	30'-5"	60'-10"	LONGIT. IN CAP
TOTAL NO. 5 BARS = 60'-10"			= 64 LBS.	
401	32	8'-2"	261'-4"	STIRRUPS IN CAP
402	8	7'-6"	60'-0"	STIRRUPS IN WINGWALL
403	11	6'-6"	71'-6"	STIRRUPS IN CAP
404	4	2'-2"	8'-8"	LONGIT. IN WINGWALL
405	12	3'-11"	47'-0"	LONGIT. IN WINGWALL
TOTAL NO. 4 BARS = 448'-6"			= 300 LBS.	
TOTAL DEFORMED REINFORCING STEEL = 995 LBS.				
TOTAL CLASS A1 CONCRETE = 5.71 CU. YDS.				
MAX. PILE LOAD: SERVICE DEAD LOAD = 19 TONS				
SERVICE LIVE LOAD = 36 TONS				
FACTORED TOTAL LOAD = 76 TONS				

16" ϕ PPC PILES USED FOR ESTIMATING PURPOSES ONLY. (ADD 0.05 CU. YDS. OF CLASS A1 CONCRETE PER BENT WHEN 14" ϕ PPC PILES ARE USED.)

16" ϕ PPC PILES USED FOR ESTIMATING PURPOSES ONLY. (ADD 0.05 CU. YDS. OF CLASS A1 CONCRETE PER BENT WHEN 14" ϕ PPC PILES ARE USED.) ADD 0.22 CU. YDS. OF CLASS A1 CONCRETE PER BENT WHEN ASPHALTIC CONCRETE ROADWAY PAVEMENT IS USED AT APPROACH SLAB.

ALTERNATE BENT NOTES:

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

DESIGN LOAD: LIVE LOAD IS HL-93, AND LADV-11 (LOUISIANA DESIGN VEHICLE LIVE LOAD 2011).

STRUCTURAL CONCRETE: ALL CONCRETE SHALL BE CLASS A1. EXPOSED EDGES SHALL HAVE A 3/4" CHAMFER UNLESS SPECIFIED OTHERWISE. ALL EXPOSED FACES OF WINGWALLS AND ENDS OF CAPS SHALL RECEIVE A SURFACE FINISH AS PER THE SPECIFICATIONS UNLESS SPECIFIED OTHERWISE.

REINFORCING STEEL: ALL REINFORCING SHALL BE GRADE 60. DIMENSIONS RELATING TO FABRICATION ARE OUT TO OUT OF BARS, UNLESS SPECIFIED OTHERWISE. DIMENSIONS RELATING TO SPACING ARE TO BAR CENTERS, UNLESS SPECIFIED OTHERWISE.

PRECAST CONCRETE PILES: CONFORM TO PILE STANDARD PLAN AND PROJECT PLANS FOR FABRICATION AND INSTALLATION. PILES WILL BE PAID FOR UNDER THE DESIGNATED PILE PAY ITEMS.

PAYMENT: ALL OTHER WORK WILL BE PAID FOR UNDER THE DESIGNATED BRIDGE SUPERSTRUCTURE AND SUBSTRUCTURE PAY ITEM AND IN ACCORDANCE WITH THE SPECIFICATIONS.

SHEET NUMBER

DESIGN: B. DELATTE
CHECK: J. NAKHLEH

PARISH:
CONTROL SECTION:
STATE:
PROJECT:
DATE: 12/10/2025

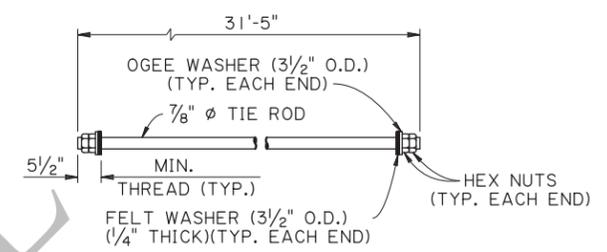
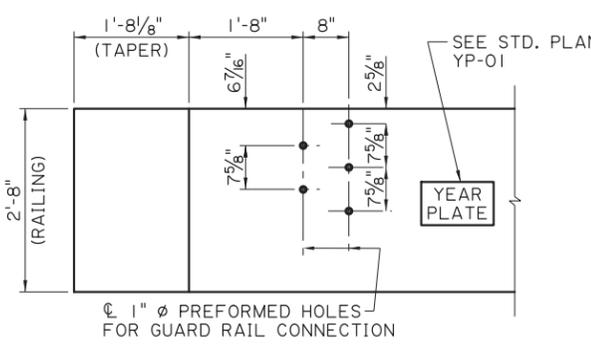
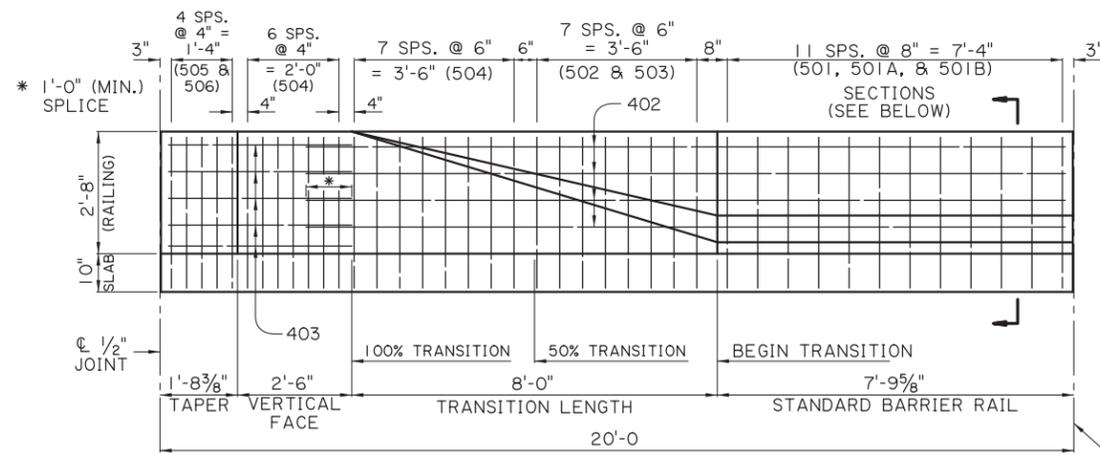
APPROVED BY CHIEF ENGINEER:
NO.
DATE
REVISION OR CHANGE ORDER DESCRIPTION

ALTERNATE BENTS
CAST-IN-PLACE CONCRETE BENTS

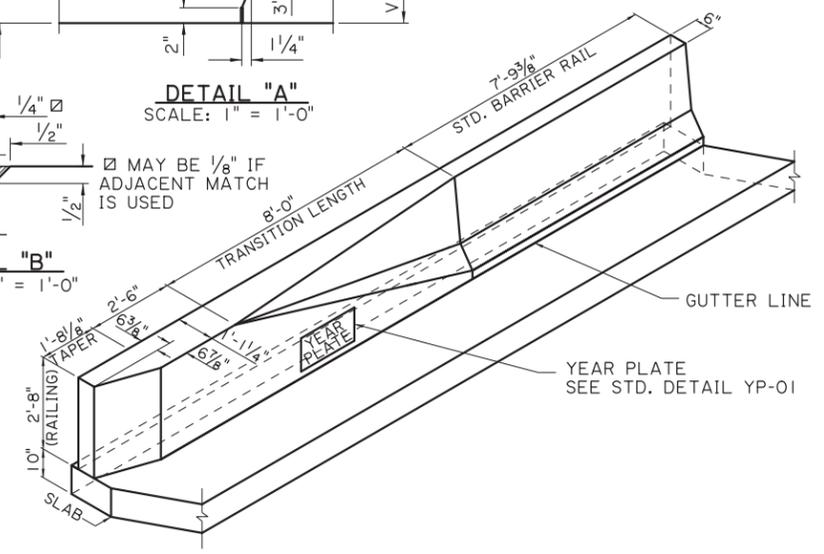
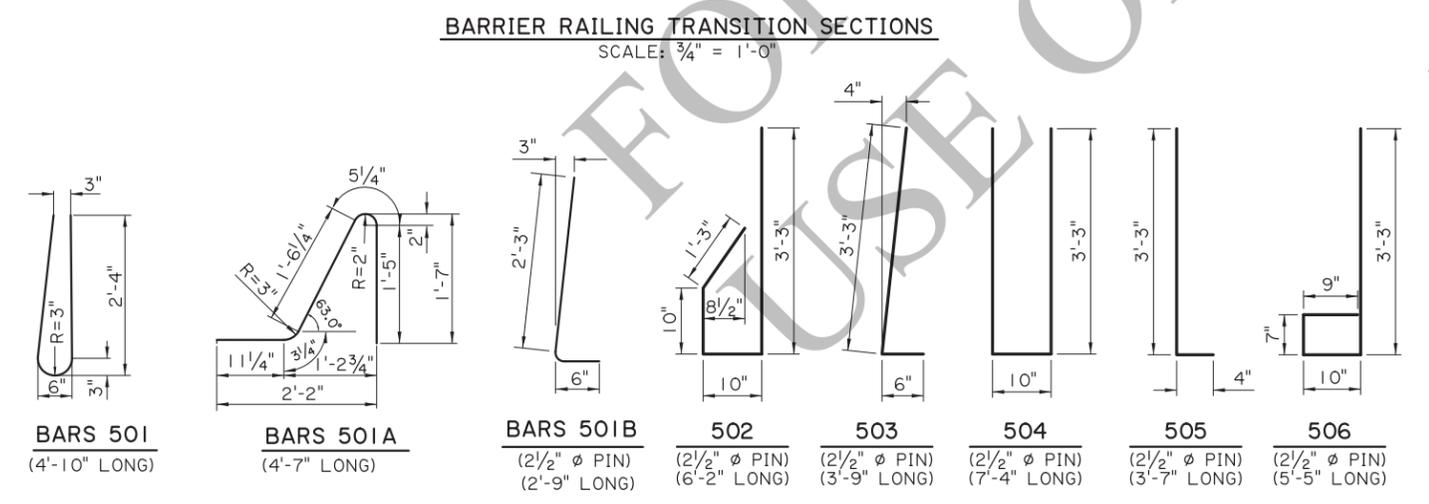
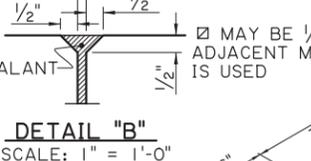
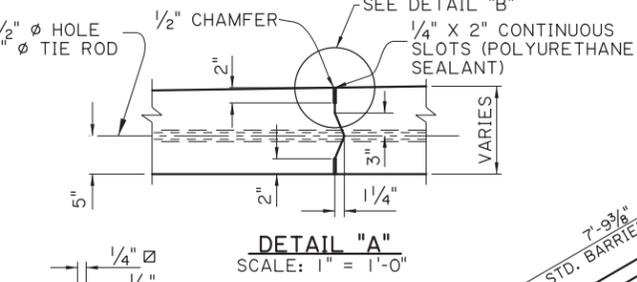
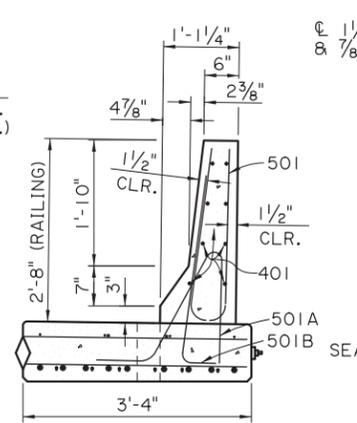
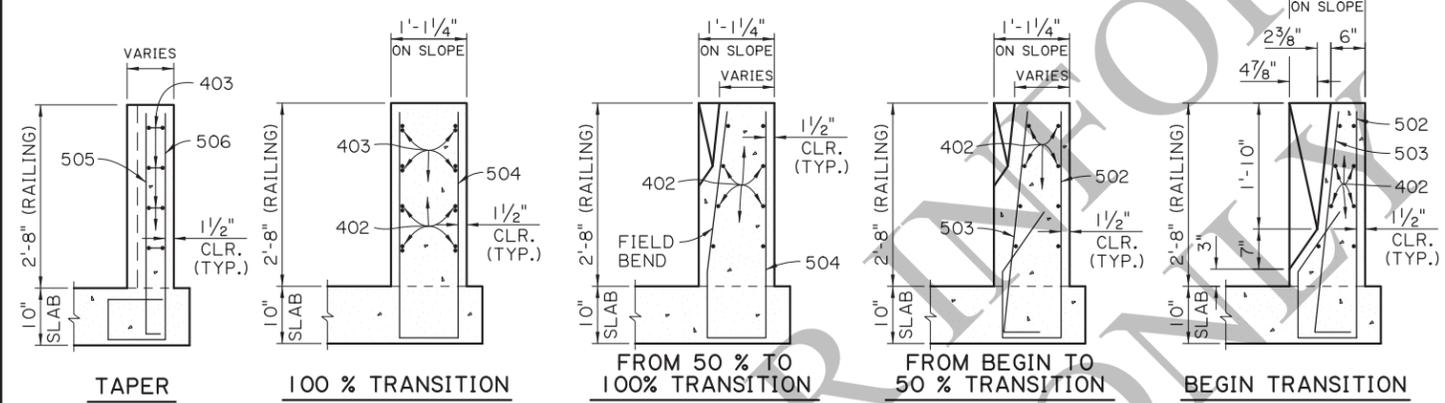
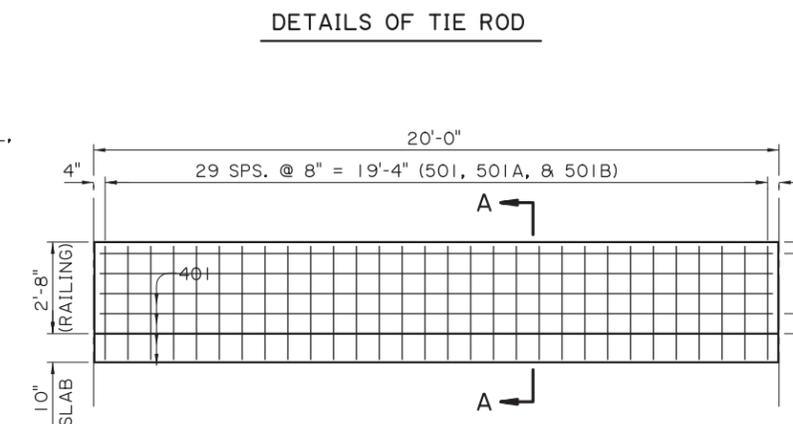
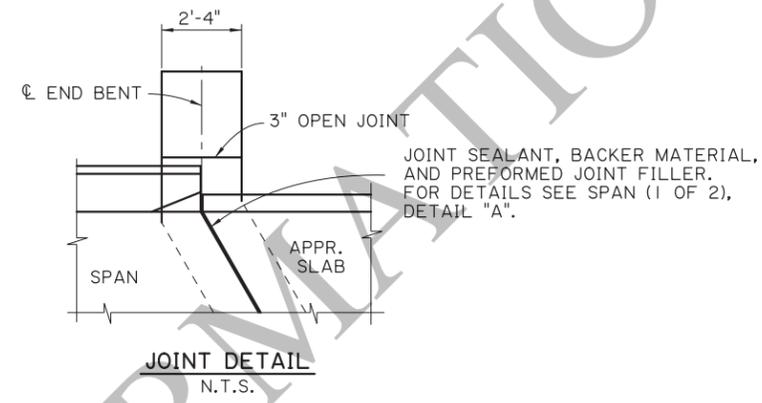
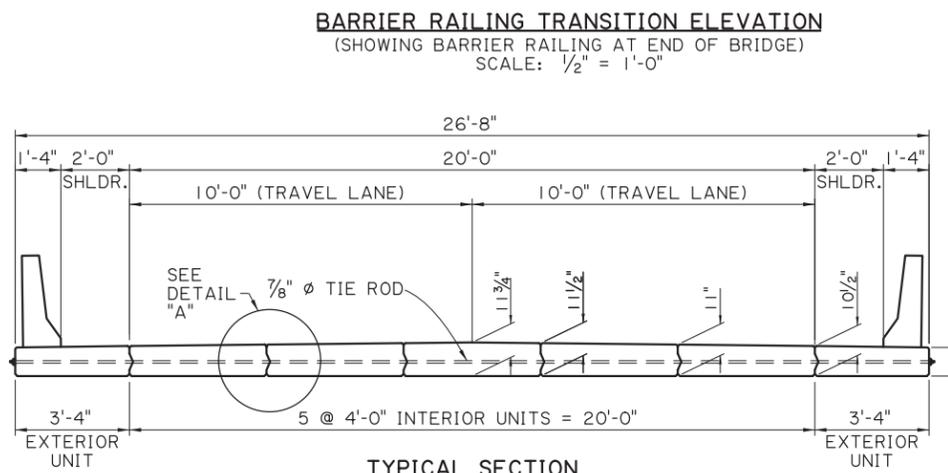
24'-0" CLEAR ROADWAY
60' CROSSING TWO WAY TANGENT

PSS-60-24-20SL

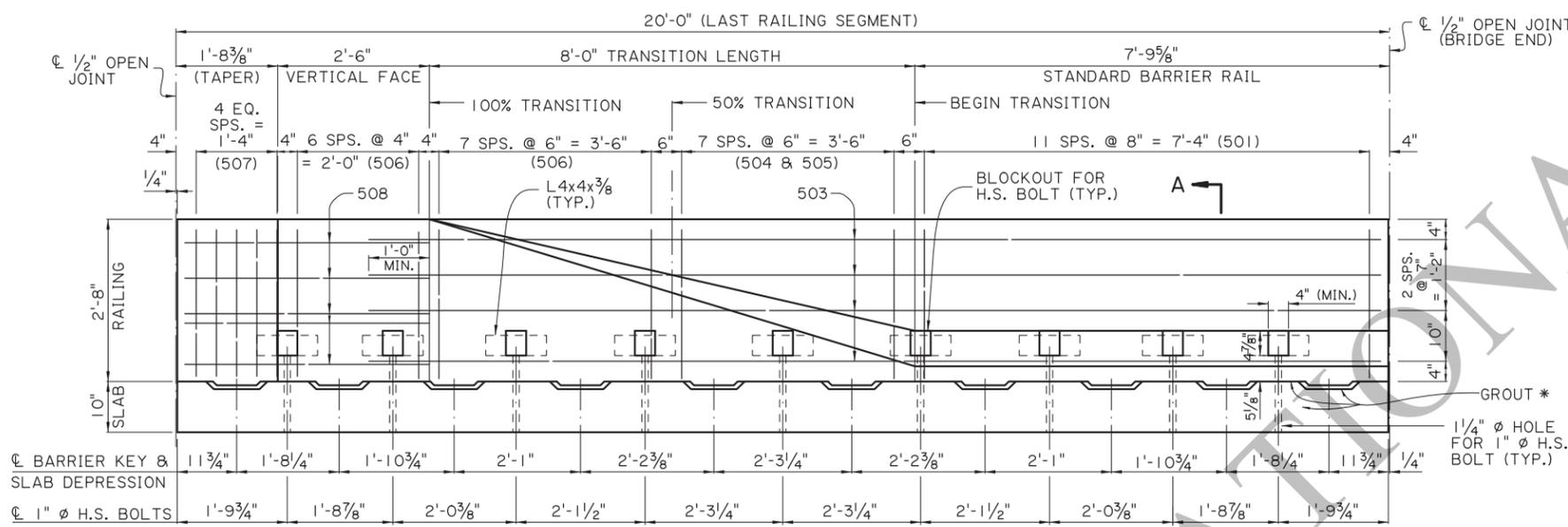
STANDARD PLAN



NOTE:
 THE NUTS & WASHERS FOR THE TIE ROD SHALL BE ZINC COATED AND THE EXPOSED ENDS TO THE TIE RODS SHALL BE PAINTED WITH AN APPROVED COATING. AS A FINAL OPERATION THE CONTRACTOR SHALL BE REQUIRED TO TORQUE THE INSTALLED TIE ROD TO 170 FT. LBS. JUST PRIOR TO PAINTING. ALL EXPOSED ENDS SHALL BE PAINTED WITH AN APPROVED COATING AFTER STRESSING. ONE (1) MECHANICAL SPLICE MAY BE USED IN SPLICING THE 7/8" Ø TIE ROD. THE SPLICE SHALL DEVELOP AT LEAST 125% OF THE SPECIFIED YIELD STRENGTH OF THE TIE ROD IN TENSION. THE MECHANICAL SPLICE SHALL BE ZINC COATED OR PAINTED WITH AN APPROVED COLD GALVANIZING REPAIR COMPOUND FROM AML PRIOR TO PLACING THE TIE ROD IN THE STRUCTURE.



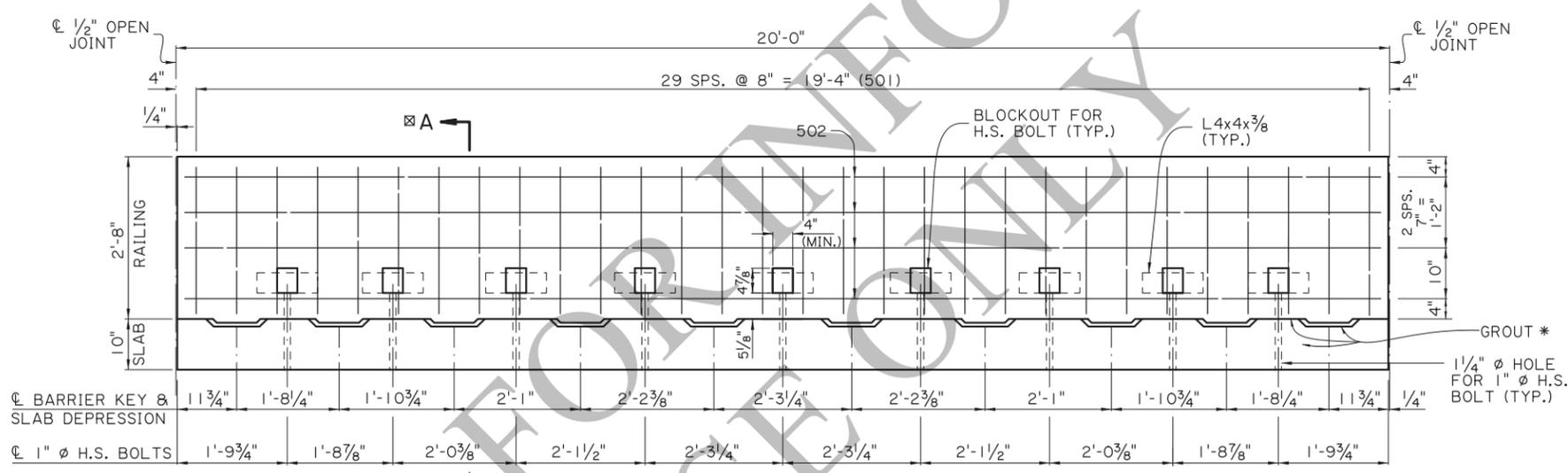
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DESIGN CHECK	B. DELATTE	CONTROL SECTION	J. NAKHLEH	REVIEW	J. NAKHLEH
APPROVED BY CHIEF ENGINEER:	DATE: 12/10/2025		REVISION OR CHANGE ORDER DESCRIPTION		
ALTERNATE SPAN (1 OF 4)		20'-0" CONCRETE SLAB SPAN		24'-0" CLEAR ROADWAY	
60° CROSSING TWO WAY TANGENT		PSS-60-24-20SL		STANDARD PLAN	



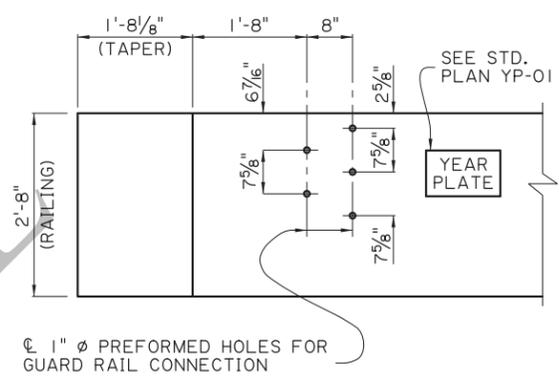
PRECAST BARRIER RAILING TRANSITION ELEVATION
 (SHOWING BARRIER RAILING AT END OF BRIDGE)
 SCALE: 3/4" = 1'-0"

FOR SECTION A-A & TRANSITION SECTIONS
 SEE ALTERNATE SPAN (3 OF 4)

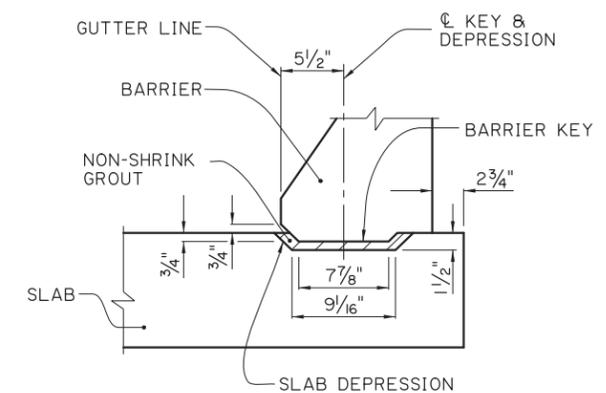
* PLACE OR INJECT NON-SHRINK GROUT AS REQUIRED IN BETWEEN SLAB DEPRESSIONS TO FILL ALL VOIDS AND GAPS FOR FULL EVEN BEARING OF THE BARRIER ON THE SLAB. SEE NOTE 3, SHEET 9 OF 11.



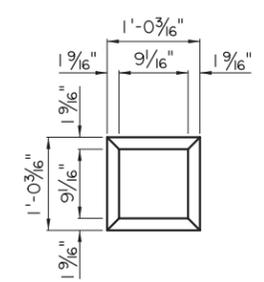
STANDARD PRECAST BARRIER RAILING ELEVATION
 (SHOWING BARRIER RAILING ALONG BRIDGE SLAB)
 SCALE: 3/4" = 1'-0"



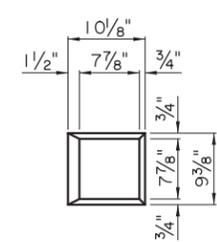
GUARD RAIL CONNECTION DETAIL
 CONFORM TO GUARD RAIL STANDARD PLAN
 SCALE: 3/4" = 1'-0"



ELEVATION
 SCALE: 1/2" = 1'-0"



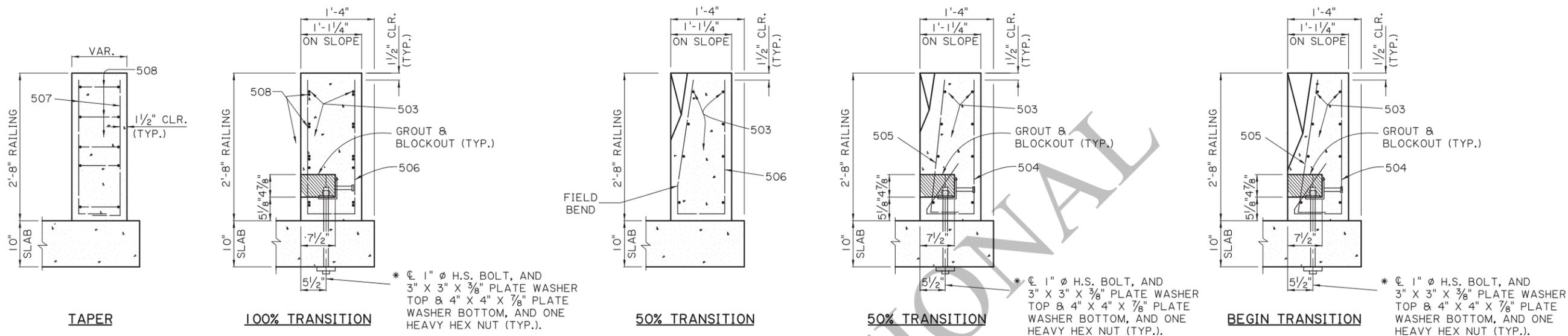
PLAN-DEPRESSION
 SCALE: 1" = 1'-0"



PLAN-KEY
 SCALE: 1" = 1'-0"

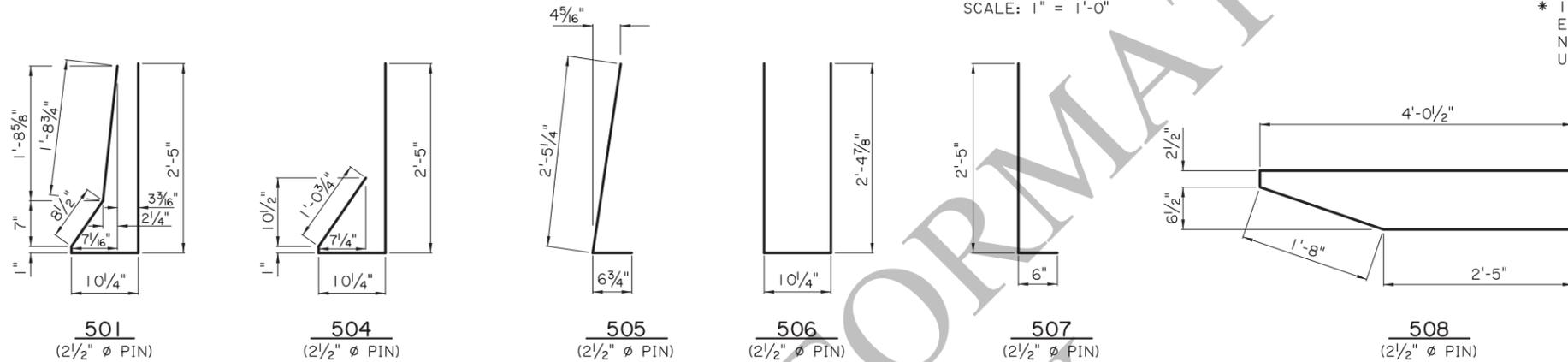
BARRIER KEY AND PANEL DEPRESSION DETAILS

SHEET NUMBER		PARISH		STATE PROJECT	
DESIGN	B. DELATTE	CHECK	J. NAKHLEH	CONTROL SECTION	
DETAIL	D. HYMEL	CHECK	J. NAKHLEH	REVIEW	
APPROVED BY CHIEF ENGINEER:		DATE: 12/10/2025		REVISION OR CHANGE ORDER DESCRIPTION	
NO.		DATE		BY	
ALTERNATE SPAN (2 OF 4) 20'-0" PRECAST CONC. BARRIER 24'-0" CLEAR ROADWAY 60' CROSSING TWO WAY TANGENT					
STANDARD PLAN					



BARRIER RAILING TRANSITION SECTIONS

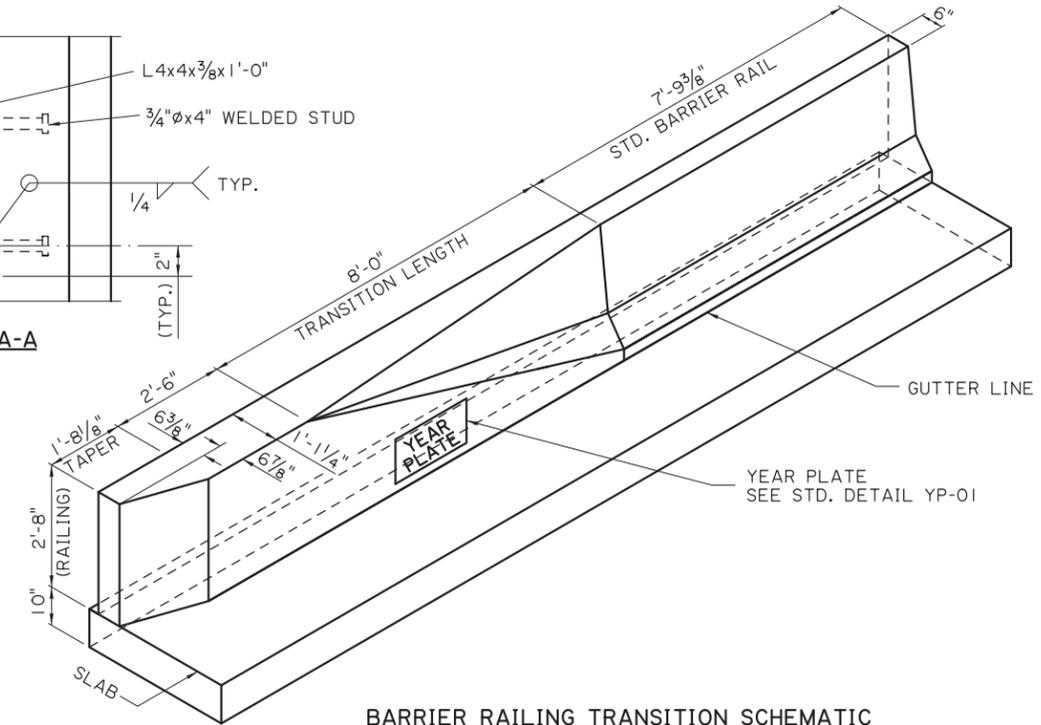
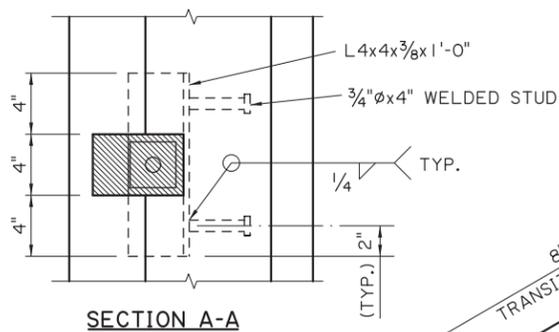
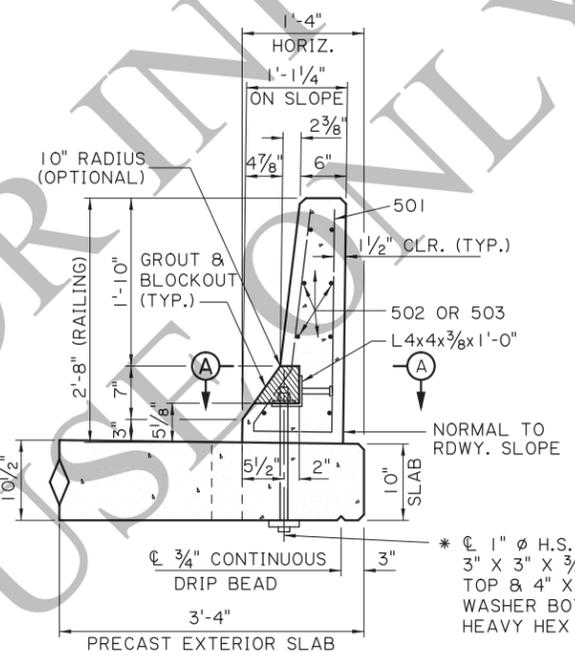
SCALE: 1" = 1'-0"



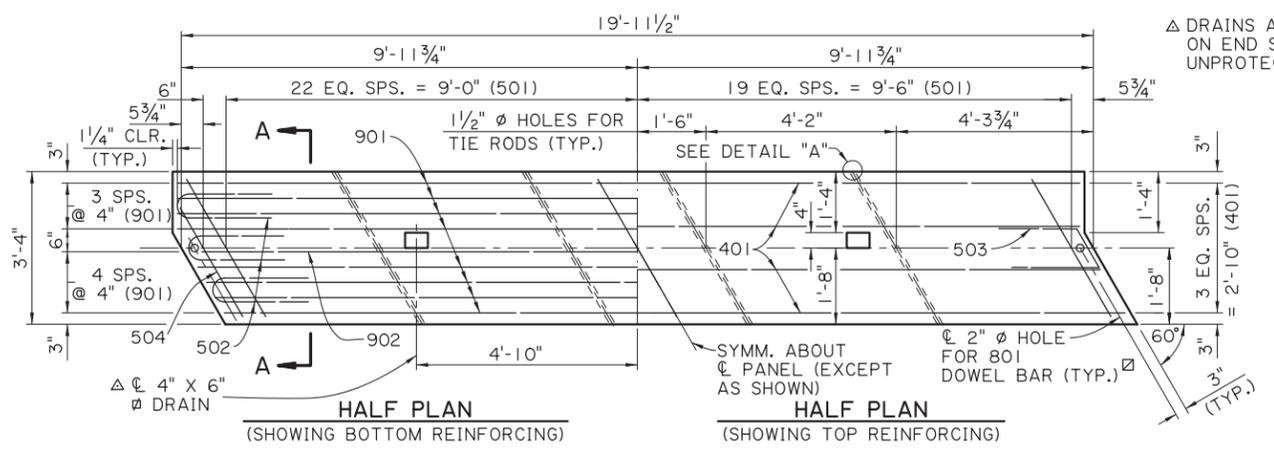
* 1" Ø THREADED STUD OF EQUAL STRENGTH, WITH 2 NUTS & 2 WASHERS, MAY BE USED IN LIEU OF H.S. BOLTS.

NOTES:

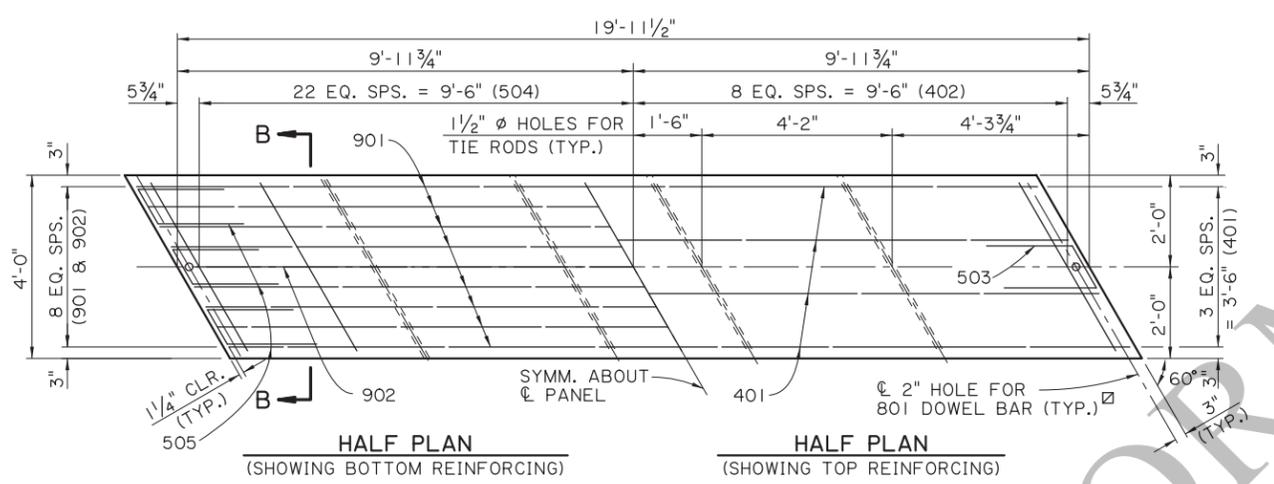
- 1) ALL BARRIER RAIL SURFACES ARE TO RECEIVE A CLASS 3 SPECIAL SURFACE FINISH.
- 2) ALL SURFACES OF THE BLOCKOUTS EXCEPT THE BOTTOM MAY BE TAPERED AND ALL CORNERS MAY BE ROUNDED TO A RADIUS TO ALLOW FOR EASY REMOVAL OF PLUGS OR FORMS. AFTER PLACING AND TIGHTENING THE ANCHOR BOLTS, THE BLOCKOUTS SHALL BE FILLED WITH AN APPROVED NON-SHRINK GROUT FROM AML AND TROWELED TO THE REQUIRED FINISH AND TO THE SATISFACTION OF THE ENGINEER.
- 3) AFTER BARRIER IS PLACED AND ALIGNED, ALL GAPS UNDER BARRIER AND TOP OF SLAB SHALL BE FILLED WITH NON-SHRINK GROUT FROM AML AND ALLOWED TO SET PRIOR TO TIGHTENING OF BOLTS. IT IS IMPORTANT TO FILL ALL VOIDS AND GAPS UNDER THE BARRIER TO ENSURE EVEN BEARING ON DECK WHEN THE ANCHOR BOLTS ARE LOADED.
- 4) ALL 1" Ø BOLTS SHALL BE HIGH STRENGTH A325 OR APPROVED EQUAL. BOLT, NUT & WASHER TO BE GALVANIZED AS PER ASTM A-153. BOLTS SHALL BE TENSIONED TO 36 KIPS, OR APPROXIMATELY 540 FOOT-LB. OF TORQUE (LUBRICATED CONNECTION).



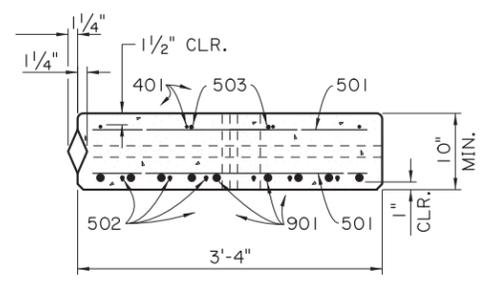
SHEET NUMBER		PARISH		CONTROL SECTION		STATE PROJECT	
DESIGN CHECK	B. DELATTE	J. NAKHLEH	CONTROL SECTION	STATE PROJECT			
DETAIL CHECK	D. HYMEL	J. NAKHLEH	REVIEW	DATE	12/10/2025		
REVISION OR CHANGE ORDER DESCRIPTION			NO.	DATE			
				ALTERNATE SPAN (3 OF 4) 20'-0" PRECAST CONC. BARRIER 24'-0" CLEAR ROADWAY 60' CROSSING TWO WAY TANGENT			
				STANDARD PLAN			



EXTERIOR UNIT
SCALE 1/2" = 1'-0"

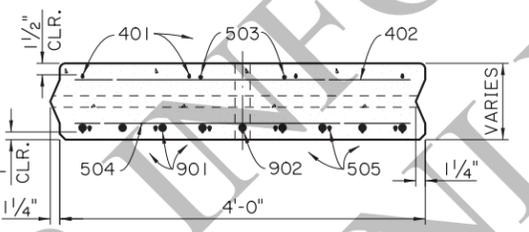


INTERIOR UNIT
SCALE 1/2" = 1'-0"

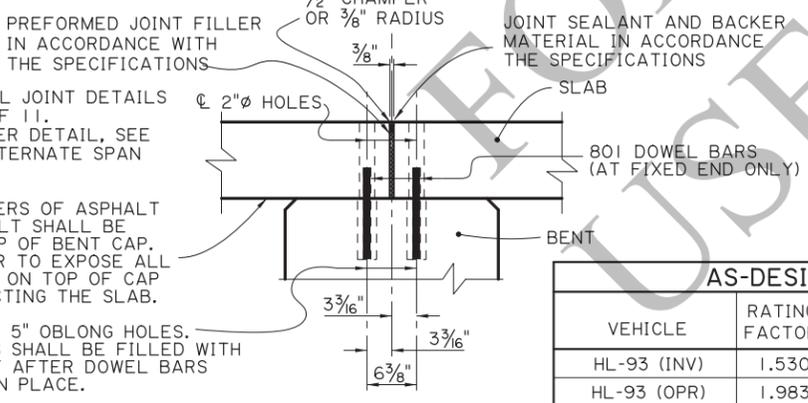


SECTION A-A
EXTERIOR UNIT
SCALE 1" = 1'-0"

NOTE:
FOR EACH SPAN, ONE EXTERIOR UNIT WILL HAVE A TONGUE AND ONE WILL HAVE A GROOVE.



SECTION B-B
INTERIOR UNIT
SCALE 1" = 1'-0"



TYPICAL JOINT DETAIL
SCALE 1" = 1'-0"

NOTES:
FOR ADDITIONAL JOINT DETAILS SEE SHEET 2 OF 11.
FOR 1/2" CHAMFER DETAIL, SEE DETAIL "B", ALTERNATE SPAN 1 OF 4.

THREE (3) LAYERS OF ASPHALT SATURATED FELT SHALL BE PLACED ON TOP OF BENT CAP. CUT TAR PAPER TO EXPOSE ALL OBLONG HOLES ON TOP OF CAP PRIOR TO ERECTING THE SLAB.

2 1/2" X 5" OBLONG HOLES. HOLES SHALL BE FILLED WITH GROUT AFTER DOWEL BARS ARE IN PLACE.

△ DRAINS ARE NOT REQUIRED ON END SPANS OVER UNPROTECTED SLOPES.

ALTERNATE SPAN NOTES:

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

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

STRUCTURAL CONCRETE: ALL CONCRETE SHALL BE CLASS PI. THE BRIDGE RAIL CONCRETE SHALL BE CLASS AI IF RAIL IS CAST IN PLACE. STEEL SIDE FORMS AND STEEL OR CONCRETE BOTTOM FORMS SHALL BE USED FOR PRECAST COMPONENTS. EXPOSED EDGES SHALL HAVE A 3/4" CHAMFER, UNLESS SPECIFIED OTHERWISE. ALL SURFACES SHALL RECEIVE A CLASS I ORDINARY SURFACE FINISH UPON REMOVAL OF THE FORMS. THE FINAL FINISH SHALL BE A TINE FINISH IN ACCORDANCE WITH THE SPECIFICATIONS.

REINFORCING STEEL: ALL REINFORCING STEEL SHALL BE GRADE 60. DIMENSIONS RELATING TO FABRICATION ARE OUT TO OUT OF BARS, UNLESS SPECIFIED OTHERWISE. DIMENSIONS RELATING TO SPACING ARE TO BAR CENTERS, UNLESS SPECIFIED OTHERWISE. ALL REINFORCING BARS SHALL BE PLACED TO PROVIDE A MINIMUM COVER OF 1" FROM THE DRAIN HOLES. REINFORCING STEEL MAY BE TACK WELDED FOR A DISTANCE OF NOT MORE THAN 4'-0" FROM EACH END OF UNIT. NO OTHER WELDING SHALL BE PERMITTED.

MISCELLANEOUS STEEL: HIGH STRENGTH BOLTS SHALL CONFORM TO ASTM DESIGNATION A-325. PRESTRESSING STRANDS SHALL CONFORM TO ASTM DESIGNATION A-416, GRADE 270. PLATES, TIE RODS, AND DRIFT BOLTS SHALL CONFORM TO ASTM DESIGNATION A709, GRADE 36. STEEL SPECIFIED TO BE ZINC COATED SHALL BE IN CONFORMANCE WITH ASTM DESIGNATION A-123.

GROUT: THE GROUT SHALL BE AN APPROVED FLOWABLE NON-SHRINK GROUT LISTED ON AML. THE GROUT SHALL BE TESTED FOR ACCEPTANCE PRIOR TO USAGE. THE GROUT SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI PRIOR TO LOADING SLABS. SURFACES SHALL BE THOROUGHLY SATURATED WITH WATER BY FLOODING THE HOLES FOR APPROXIMATELY FIVE (5) MINUTES IMMEDIATELY BEFORE THE GROUT IS PLACED. ONLY POTABLE WATER SHALL BE USED FOR SATURATION AND MIXING PURPOSES.

PATCHING MATERIAL: THE PATCHING MATERIAL SHALL BE AN APPROVED PATCHING MATERIAL FOR PRECAST OR PRESTRESSED CONCRETE PRODUCTS LISTED ON AML. SURFACE PREPARATION, MIXING AND PLACEMENT SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS' RECOMMENDATIONS. ONLY POTABLE WATER SHALL BE USED FOR SATURATION AND MIXING PURPOSES.

PRECAST UNITS: THE PLANS FOR AN ONGOING OPERATION OF FABRICATION FACILITIES SHALL BE APPROVED BY THE DEPARTMENT. EACH UNIT SHALL HAVE "LIVE LOAD HL-93 AND LADV-11", THE FABRICATOR'S MARK, AND UNIQUE NUMBER, MEETING THE APPROVAL OF THE ENGINEER STAMPED OR INSCRIBED IN THE PLASTIC CONCRETE. PRECAST UNITS MAY BE CAST WITH OR WITHOUT CAMBER. IF CAMBER IS PROVIDED IT SHALL NOT EXCEED 1/4" AT THE CENTERLINE OF SPAN. ALL UNITS SHALL BE HELD AT THE PLANT FOR A MINIMUM OF TEN(10) DAYS AFTER CASTING. THE CONCRETE SHALL REACH A MINIMUM STRENGTH OF 3,000 PSI BEFORE HANDLING IS PERMITTED. THE LIFTING INSERTS SHALL BE 1", TYPE S INSERTS AS MANUFACTURED BY DAYTON-SUPERIOR CORPORATION OR AN APPROVED EQUAL. EACH INSERT SHALL HAVE A MINIMUM LOAD CAPACITY OF 10,000 POUNDS. FOUR(4) INSERTS WITH 1" Ø X 5" LONG COIL BOLTS SHALL BE PLACED IN THE TOP OF THE UNIT AND LOCATED 1'-3" FROM ITS ENDS AND 1'-0" FROM ITS EDGES. INSERT HOLES SHALL BE GROUT FILLED AFTER PLACEMENT OF UNIT. AT THE CONTRACTOR'S OPTION A SLING OF SUFFICIENT CAPACITY MAY BE USED FOR LIFTING, PROVIDED THE SAME PICKUP LOCATION FROM THE ENDS ARE USED. FABRICATION TOLERANCES SHALL BE AS FOLLOWS:

- UNIT DEPTH ± 3/16"
- UNIT LENGTH + 1/8" AND -1/2"
- OVERALL SPAN WIDTH ± 2"

ALL PRECAST UNITS IN EACH BRIDGE SPAN SHALL BE MATCH CAST IN THE SAME CASTING BED TO ENSURE A PROPER FIT DURING INSTALLATION.

GUARDRAIL: CONFORM TO PROJECT PLANS AND GUARD RAIL STANDARD PLANS.

PAYMENT: ALL WORK WILL BE PAID FOR UNDER THE DESIGNATED BRIDGE SUPERSTRUCTURE AND SUBSTRUCTURE PAY ITEM AND IN ACCORDANCE WITH THE SPECIFICATIONS.

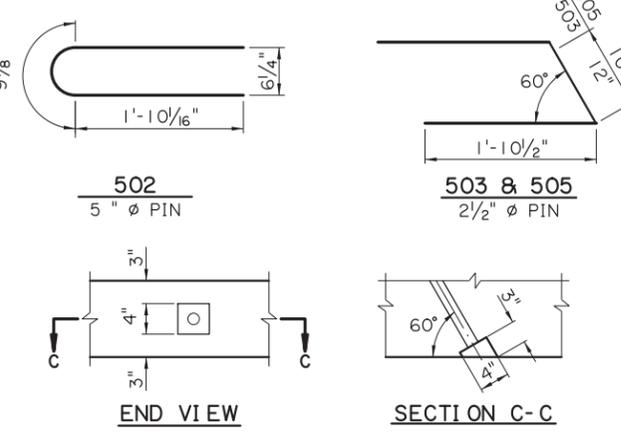
ESTIMATED QUANTITIES (ONE EXTERIOR UNIT)

BAR NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION
901	8 19'-9"	158'-0"	LONGIT. BOT. OF SLAB
902	1 19'-1"	19'-1"	LONGIT. BOT. OF SLAB
TOTAL NO. 9 BARS = 177'-1" = 602 LBS.			
801	1 1'-0"	1'-0"	DOWELS
TOTAL NO. 8 BARS = 1'-0" = 3 LBS.			
501	84 3'-5"	287'-0"	TRANS. TOP & BOT. OF SLAB
502	6 4'-6"	27'-0"	BOT. END OF SLAB
503	2 4'-9"	9'-6"	TOP END OF SLAB
504	2 2'-8"	5'-4"	TRANS. TOP & BOT. OF SLAB
TOTAL NO. 5 BARS = 328'-10" = 343 LBS.			
401	4 19'-9"	79'-0"	LONGIT. TOP OF SLAB
TOTAL NO. 4 BARS = 79'-0" = 53 LBS.			
DEFORMED REINFORCING STEEL = 1001 LBS.			
CLASS PI CONCRETE = 2.05 CU. YDS.			
CONCRETE RAILING (PER SPAN) = 40.00 LIN. FT.			

ESTIMATED QUANTITIES (ONE INTERIOR UNIT)

BAR NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION
901	8 19'-9"	158'-0"	LONGIT. BOT. OF SLAB
902	1 19'-1"	19'-1"	LONGIT. BOT. OF SLAB
TOTAL NO. 9 BARS = 177'-1" = 602 LBS.			
801	1 1'-0"	1'-0"	DOWELS
TOTAL NO. 8 BARS = 1'-0" = 3 LBS.			
503	2 4'-9"	9'-6"	TOP END OF SLAB
504	45 4'-2"	187'-6"	TRANS. BOT. OF SLAB
505	6 4'-7"	27'-6"	BOT. END OF SLAB
TOTAL NO. 5 BARS = 224'-6" = 235 LBS.			
401	4 19'-9"	79'-0"	LONGIT. TOP OF SLAB
402	17 4'-2"	70'-10"	TRANS. TOP OF SLAB
TOTAL NO. 4 BARS = 149'-10" = 100 LBS.			
DEFORMED REINFORCING STEEL = 940 LBS.			
CLASS PI CONCRETE = 2.46 CU. YDS.			

○ BASED ON A 10" SLAB THICKNESS



DETAIL "A"
TYP. EXTERIOR EDGE ONLY
SCALE 1" = 1'-0"

AS-DESIGNED RATING		
VEHICLE	RATING FACTOR	NOTES
HL-93 (INV)	1.530	---
HL-93 (OPR)	1.983	---
LADV-11 (INV)	1.177	MAGNIFICATION FACTOR = 1.3

SHEET NUMBER: []

PARISH: []

CONTROL SECTION: []

STATE PROJECT: []

DESIGN CHECK: J. NAKHLEH

DETAIL CHECK: D. HYMEL

REVIEW: J. NAKHLEH

APPROVED BY CHIEF ENGINEER: [Signature]

DATE: 12/10/2025

REVISION OR CHANGE ORDER DESCRIPTION: []

NO. [] DATE []

STATE OF LOUISIANA

ALTERNATE SPAN (4 OF 4)

20'-0" PRECAST CONC. SLAB UNIT

24'-0" CLEAR ROADWAY

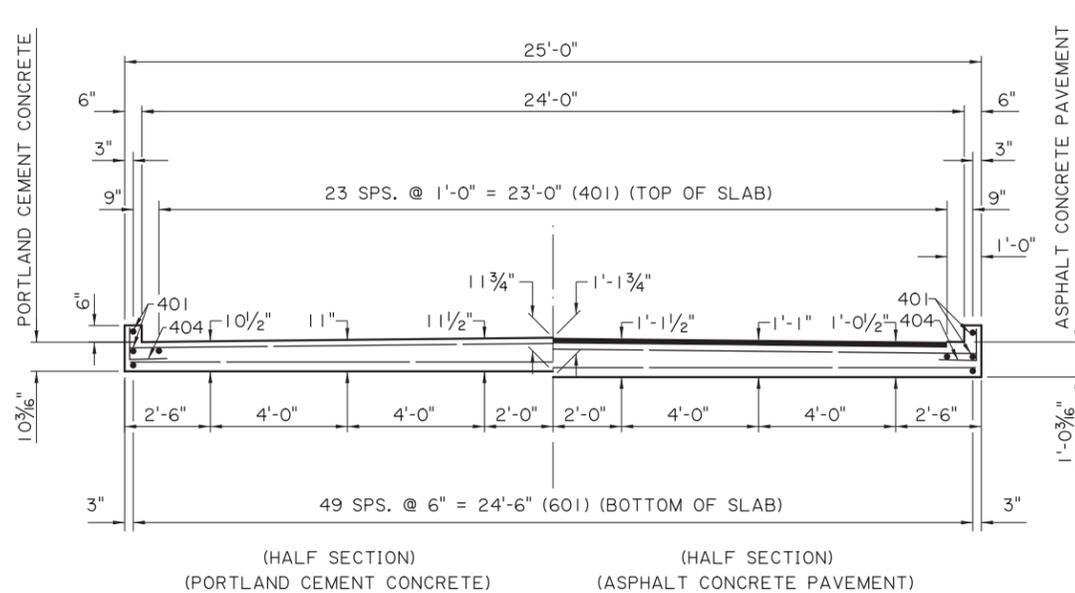
60° CROSSING TWO WAY TANGENT

PSS-60-24-20SL

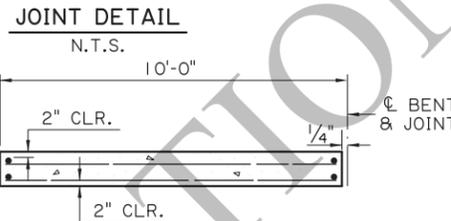
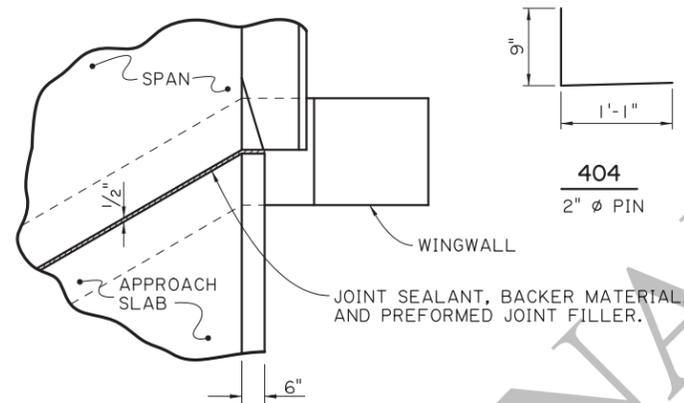
DOTD

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

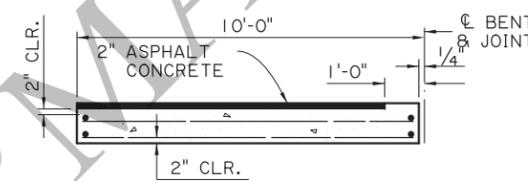
STANDARD PLAN



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

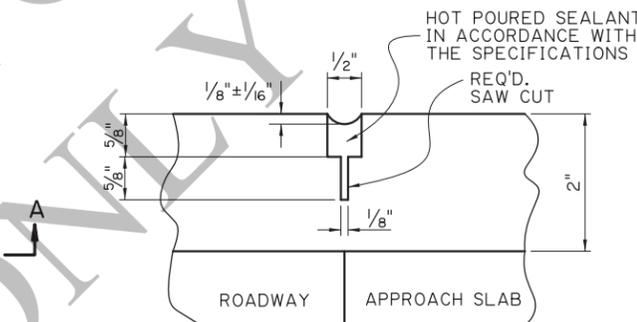


(FOR PORTLAND CEMENT CONCRETE ROADWAY PAVEMENT)

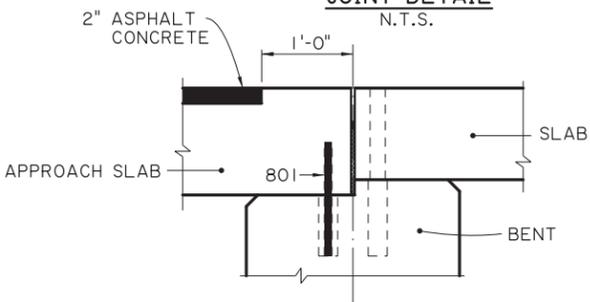


(FOR ASPHALT CONCRETE ROADWAY PAVEMENT)

SECTION ALONG C ROADWAY
SCALE: 1/4" = 1'-0"



SAWING & SEALING JOINT DETAIL
N.T.S.



DETAIL A
SCALE: 1" = 1'-0"
(ASPHALT CONCRETE PAVEMENT OPTION)

ESTIMATED QUANTITIES (ONE SLAB)				
BAR NO.	NO.	UNIT LENGTH	TOTAL LENGTH	LOCATION
801	6	1'-0"	6'-0"	DOWELS
TOTAL NO. 8 BARS = 6'-0" = 16 LBS.				
601	50	9'-7"	479'-2"	LONGIT. BOT. OF SLAB
602	20	28'-2"	563'-4"	TRANSV. BOT. OF SLAB
TOTAL NO. 6 BARS = 1,042'-6" = 1,566 LBS.				
401	28	9'-7"	268'-4"	LONGIT. TOP OF SLAB & CURB
402	2	28'-2"	56'-4"	TRANSV. TOP OF SLAB
403	9	28'-5"	255'-9"	TRANSV. TOP OF SLAB
404	14	1'-10"	25'-8"	DOWELS IN CURB
TOTAL NO. 4 BARS = 606'-1" = 405 LBS.				
TOTAL DEFORMED REINFORCING STEEL = 1,987 LBS.				
CONCRETE APPROACH SLAB = 27.78 SQ. YDS.				
ASPHALT CONCRETE = 2.5 TONS				
SAW CUT & SEAL = 27 LIN. FT.				

- TO BE PAID FOR UNDER ITEM CONCRETE APPROACH SLABS.
- ⊗ REQUIRED WHEN APPROACH SLAB IS ADJACENT TO ASPHALT CONCRETE PAVEMENT.

APPROACH SLAB NOTES:

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

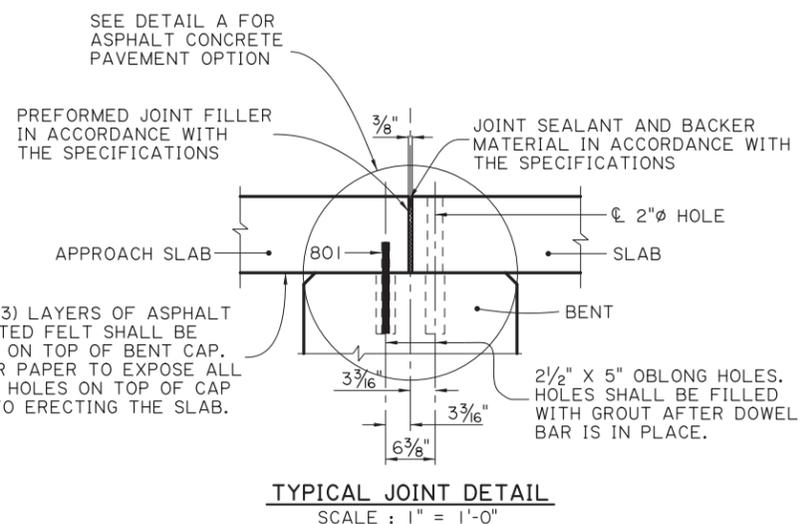
STRUCTURAL CONCRETE: ALL CONCRETE SHALL BE CLASS A1. EXPOSED EDGES SHALL HAVE A 3/4" CHAMFER, UNLESS SPECIFIED OTHERWISE.

REINFORCING STEEL: ALL REINFORCING STEEL SHALL BE GRADE 60. DIMENSIONS RELATING TO THE FABRICATION ARE OUT-TO-OUT OF BARS, UNLESS SPECIFIED OTHERWISE. DIMENSIONS RELATING TO SPACING ARE TO BAR CENTERS, UNLESS SPECIFIED OTHERWISE.

BEDDING MATERIAL: FOR DETAILS OF BEDDING MATERIAL AND UNDERDRAINS SEE APPROACH SLAB STANDARD DETAILS.

SAWING & SEALING: THE ASPHALT CONCRETE SHALL BE SAW CUT AT THE END OF THE CONCRETE APPROACH SLAB THE ENTIRE ROADWAY WIDTH AND SEALED WHICH WILL BE PAID FOR UNDER THE DESIGNATED ROADWAY PAY ITEM.

PAYMENT: ALL OTHER WORK WILL BE PAID FOR UNDER THE DESIGNATED BRIDGE CONCRETE APPROACH SLAB PAY ITEM AND IN ACCORDANCE WITH THE SPECIFICATIONS.



TYPICAL JOINT DETAIL
SCALE: 1" = 1'-0"

NOTE: FOR ADDITIONAL JOINT DETAILS SEE SHEET 2 OF 11

SHEET NUMBER	PARISH	DESIGN	BY	DATE
		B. DELATTE		
CONTROL SECTION	STATE PROJECT	CHECK	REVIEW	SERIES #
		J. NAKHLEH	J. NAKHLEH	11 OF 11
APPROVED BY CHIEF ENGINEER:				
 DATE: 12/10/2025				
REVISION OR CHANGE ORDER DESCRIPTION				
ALTERNATE APPROACH SLAB 10'-0" CAST-IN-PLACE 24'-0" CLEAR ROADWAY 60° CROSSING TWO WAY TANGENT				
 DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT				
STANDARD PLAN				