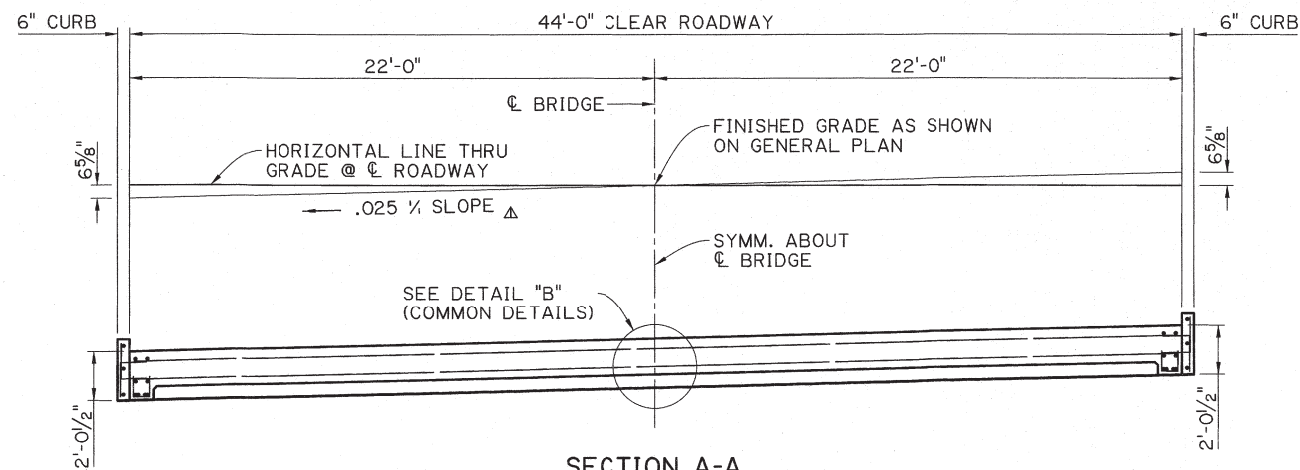
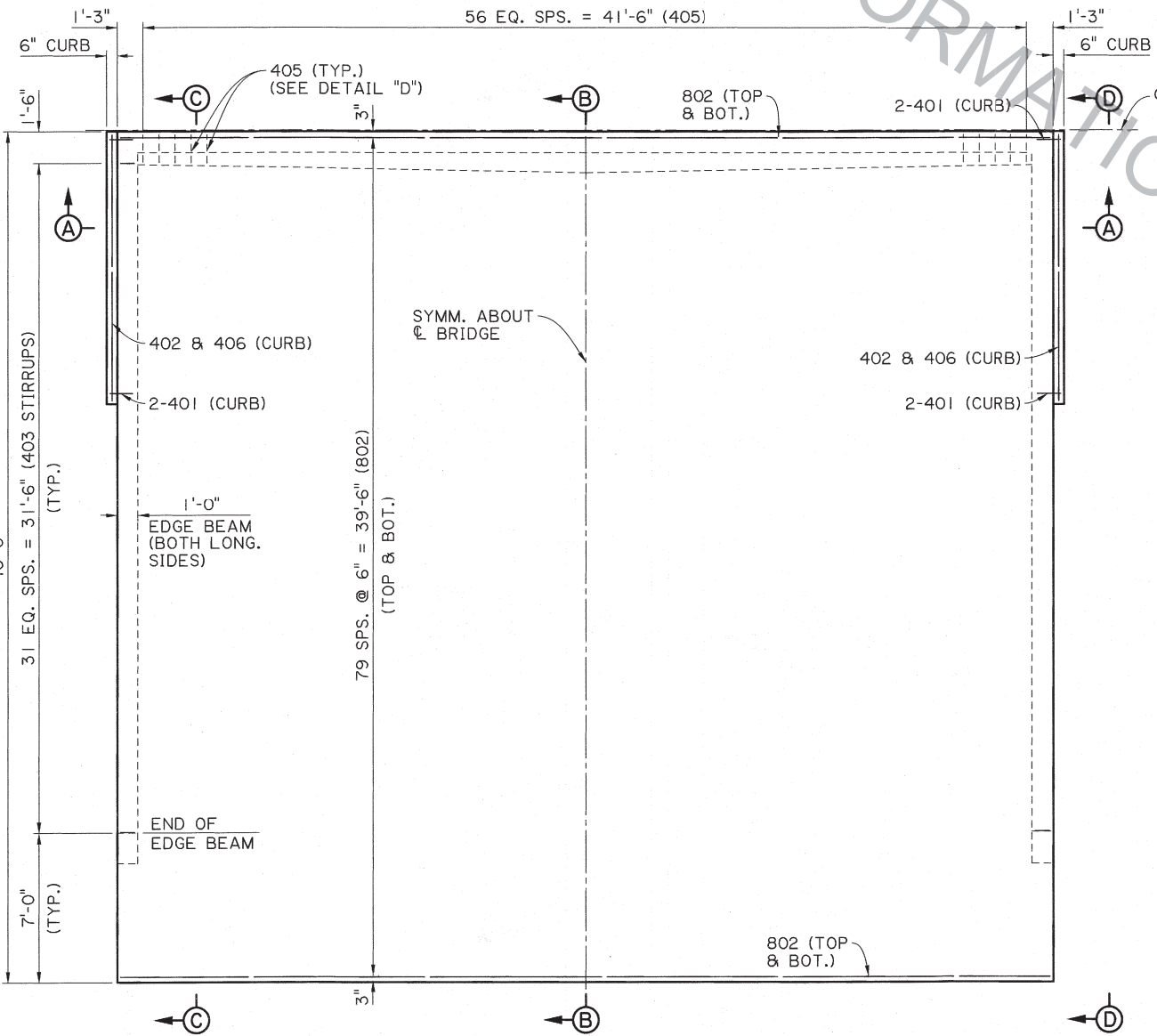
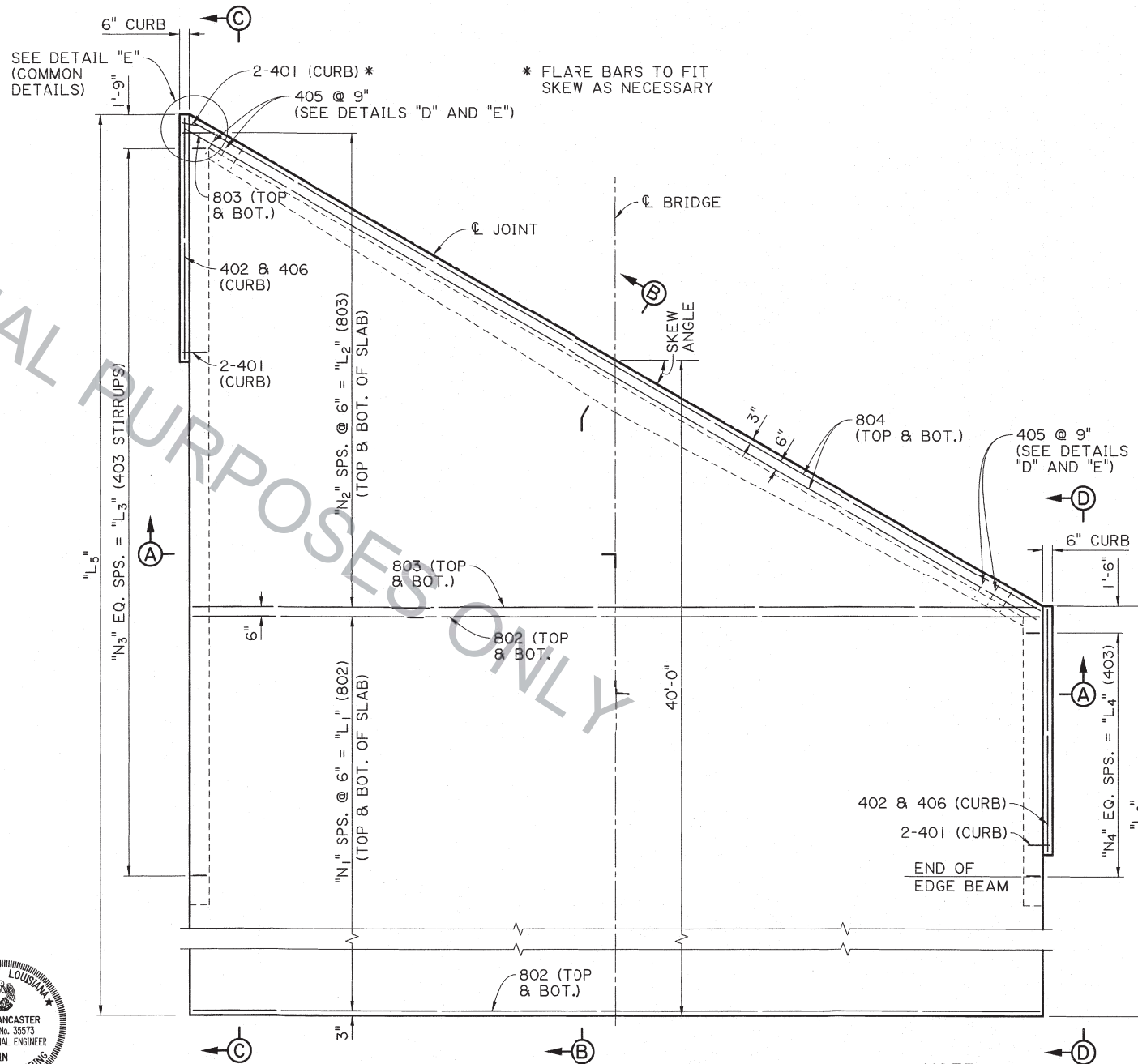


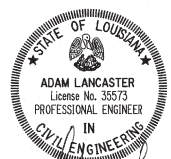
FOR REBAR AND DIMENSIONS NOT SHOWN, SEE DETAILS "A", "C" OR "D"
 ▲ UNLESS OTHERWISE NOTED IN PLANS



SEE TWO-WAY TANGENT FOR REINFORCEMENT DETAILS
 ▲ UNLESS OTHERWISE NOTED IN PLANS



NOTE:
SEE APPROACH SLAB COMMON DETAILS FOR SECTIONS AND DETAILS NOT SHOWN.



Adam Lancaster
6/19/17

SHEET NUMBER	PARISH	CONTROL SECTION	STATE	PROJECT
DESIGNED A. LANCASTER	DESIGNED A. LANCASTER	DESIGNED A. LANCASTER	DESIGNED A. LANCASTER	DESIGNED A. LANCASTER
CHECKED X. WANG	CHECKED J. W. P.	CHECKED A. LANCASTER	CHECKED Z. Z. FU	CHECKED Z. Z. FU
DATE	DATE	DATE	DATE	DATE
NO.	NO.	NO.	NO.	NO.
REVISION OR CHANGE ORDER DESCRIPTION	REVISION OR CHANGE ORDER DESCRIPTION	REVISION OR CHANGE ORDER DESCRIPTION	REVISION OR CHANGE ORDER DESCRIPTION	REVISION OR CHANGE ORDER DESCRIPTION
BY	BY	BY	BY	BY

APPROACH SLAB DETAILS
 40' LONG & 44' CLEAR ROADWAY
 SLAB SPANS AND QUAD BEAM BRIDGES
 BD.2.10.2.7.01 - APPROACH SLAB
 BRIDGE AND STRUCTURAL DESIGN

ESTIMATED QUANTITIES (ONE 0° SKEWED APPROACH SLAB)						
BAR	NO.	SHORT BAR	VAR. (IN.)	LONG BAR	TOTAL LENGTH	LOCATION
1001	88	-	-	39'-8"	3490'-8"	LONG. IN BOT. OF SLAB
1002	4	-	-	32'-10"	131'-4"	BOTTOM OF EDGE BEAMS
1003	4	-	-	32'-10"	131'-4"	BOTTOM OF EDGE BEAMS
-	-	-	-	-	-	-
-	-	-	-	-	-	-
TOTAL NO. 10 BARS = 3753'-4" = 16,151 LBS						
801	88	-	-	39'-8"	3490'-8"	LONG. IN TOP OF SLAB
802	160	-	-	43'-8"	6986'-8"	TRANSV. IN TOP & BOT. OF SLAB
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
TOTAL NO. 8 BARS = 10477'-4" = 27,975 LBS						
501	14	-	-	43'-8"	611'-4"	TOP & BOT. OF SLEEPER SLAB
502	118	-	-	4'-8"	550'-8"	TOP & BOT. OF SLEEPER SLAB
TOTAL NO. 5 BARS = 1162'-0" = 1,212 LBS						
401	44	-	-	2'-7"	113'-8"	DOWELS IN CURBS
402	2	-	-	13'-1"	26'-2"	LONG. IN CURBS
403	66	-	-	2'-2"	143'-0"	STIRRUPS IN EDGE BEAMS
404	2	-	-	43'-8"	87'-4"	BOTTOM OF HAUNCH
405	57	-	-	4'-8"	266'-0"	STIRRUPS IN HAUNCH
406	4	-	-	13'-2"	52'-8"	LONG. IN CURBS
-	-	-	-	-	-	-
TOTAL NO. 4 BARS = 688'-10" = 460 LBS						
TOTAL DEFORMED REINFORCING STEEL						45,798 LBS.
CONCRETE APPROACH SLAB						1,760 SQ. FT.

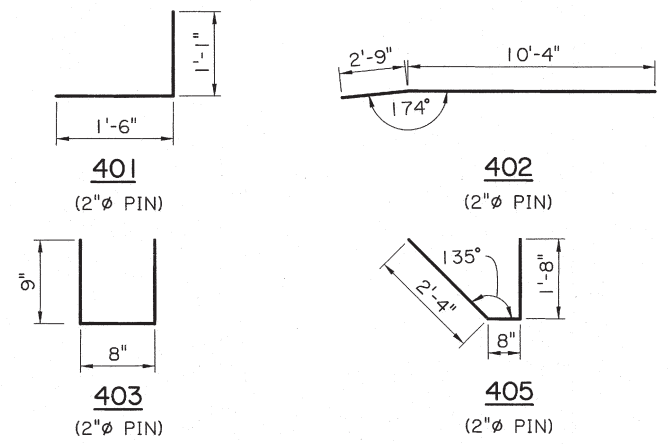
ESTIMATED QUANTITIES (ONE 30° SKEWED APPROACH SLAB)						
BAR	NO.	SHORT BAR	VAR. (IN.)	LONG BAR	TOTAL LENGTH	LOCATION
1001	88	27'-1"	3.46"	52'-2"	3487'-0"	LONG. IN BOT. OF SLAB
1002	4	-	-	45'-1"	180'-4"	BOTTOM OF EDGE BEAMS
1003	4	-	-	20'-3"	81'-0"	BOTTOM OF EDGE BEAMS
-	-	-	-	-	-	-
-	-	-	-	-	-	-
TOTAL NO. 10 BARS = 3748'-4" = 16,129 LBS						
801	88	27'-1"	3.46"	52'-2"	3487'-0"	LONG. IN TOP OF SLAB
802	108	-	-	43'-8"	4716'-0"	TRANSV. IN TOP & BOT. OF SLAB
803	98	2'-0"	10.40"	43'-7"	2233'-7"	TRANSV. IN TOP & BOT. OF SLAB
804	4	-	-	50'-5"	201'-8"	TOP & BOT. OF SLAB ALONG SKEW
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
TOTAL NO. 8 BARS = 10638'-3" = 28,404 LBS						
501	14	-	-	43'-8"	611'-4"	TOP & BOT. OF SLEEPER SLAB
502	118	-	-	4'-8"	550'-8"	TOP & BOT. OF SLEEPER SLAB
TOTAL NO. 5 BARS = 1162'-0" = 1,212 LBS						
401	44	-	-	2'-7"	113'-8"	DOWELS IN CURBS
402	2	-	-	13'-1"	26'-2"	LONG. IN CURBS
403	65	-	-	2'-2"	140'-10"	STIRRUPS IN EDGE BEAMS
404	2	-	-	52'-2"	104'-4"	BOTTOM OF HAUNCH
405	65	-	-	4'-8"	303'-4"	STIRRUPS IN HAUNCH
406	4	-	-	13'-2"	52'-8"	LONG. IN CURBS
-	-	-	-	-	-	-
TOTAL NO. 4 BARS = 741'-0" = 495 LBS						
TOTAL DEFORMED REINFORCING STEEL						46,240 LBS.
CONCRETE APPROACH SLAB						1,760 SQ. FT.

ESTIMATED QUANTITIES (ONE 15° SKEWED APPROACH SLAB)						
BAR	NO.	SHORT BAR	VAR. (IN.)	LONG BAR	TOTAL LENGTH	LOCATION
1001	88	33'-10"	1.60"	45'-5"	3487'-0"	LONG. IN BOT. OF SLAB
1002	4	-	-	38'-6"	154'-0"	BOTTOM OF EDGE BEAMS
1003	4	-	-	27'-0"	108'-0"	BOTTOM OF EDGE BEAMS
-	-	-	-	-	-	-
-	-	-	-	-	-	-
TOTAL NO. 10 BARS = 3749'-0" = 16,132 LBS						
801	88	33'-10"	1.60"	45'-5"	3487'-0"	LONG. IN TOP OF SLAB
802	136	-	-	43'-8"	5938'-8"	TRANSV. IN TOP & BOT. OF SLAB
803	46	1'-6"	22.41"	42'-7"	1013'-11"	TRANSV. IN TOP & BOT. OF SLAB
804	4	-	-	45'-2"	180'-8"	TOP & BOT. OF SLAB ALONG SKEW
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
TOTAL NO. 8 BARS = 10620'-3" = 28,356 LBS						
501	14	-	-	43'-8"	611'-4"	TOP & BOT. OF SLEEPER SLAB
502	118	-	-	4'-8"	550'-8"	TOP & BOT. OF SLEEPER SLAB
TOTAL NO. 5 BARS = 1162'-0" = 1,212 LBS						
401	44	-	-	2'-7"	113'-8"	DOWELS IN CURBS
402	2	-	-	13'-1"	26'-2"	LONG. IN CURBS
403	66	-	-	2'-2"	143'-0"	STIRRUPS IN EDGE BEAMS
404	2	-	-	46'-11"	93'-10"	BOTTOM OF HAUNCH
405	58	-	-	4'-8"	270'-8"	STIRRUPS IN HAUNCH
406	4	-	-	13'-2"	52'-8"	LONG. IN CURBS
-	-	-	-	-	-	-
TOTAL NO. 4 BARS = 700'-0" = 468 LBS						
TOTAL DEFORMED REINFORCING STEEL						46,168 LBS.
CONCRETE APPROACH SLAB						1,760 SQ. FT.

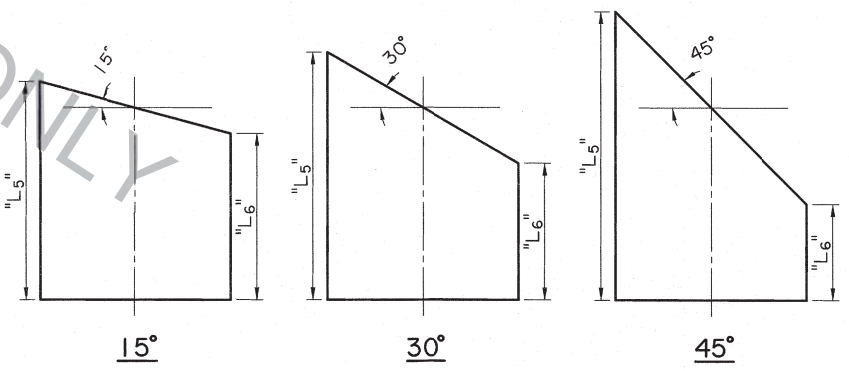
ESTIMATED QUANTITIES (ONE 45° SKEWED APPROACH SLAB)						
BAR	NO.	SHORT BAR	VAR. (IN.)	LONG BAR	TOTAL LENGTH	LOCATION
1001	88	17'-10"	6.0"	61'-4"	3495'-4"	LONG. IN BOT. OF SLAB
1002	4	-	-	54'-0"	216'-0"	BOTTOM OF EDGE BEAMS
1003	4	-	-	11'-0"	44'-0"	BOTTOM OF EDGE BEAMS
-	-	-	-	-	-	-
-	-	-	-	-	-	-
TOTAL NO. 10 BARS = 3755'-4" = 16,159 LBS						
801	88	17'-10"	6.0"	61'-4"	3492'-10"	LONG. IN TOP OF SLAB
802	72	-	-	43'-8"	3144'-0"	TRANSV. IN TOP & BOT. OF SLAB
803	170	1'-4"	6.0"	43'-4"	3796'-8"	TRANSV. IN TOP & BOT. OF SLAB
804	4	-	-	64'-11"	259'-8"	TOP & BOT. OF SLAB ALONG SKEW
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
TOTAL NO. 8 BARS = 10693'-2" = 28,551 LBS						
501	14	-	-	43'-8"	611'-4"	TOP & BOT. OF SLEEPER SLAB
502	118	-	-	4'-8"	550'-8"	TOP & BOT. OF SLEEPER SLAB
TOTAL NO. 5 BARS = 1162'-0" = 1,212 LBS						
401	44	-	-	2'-7"	113'-8"	DOWELS IN CURBS
402	2	-	-	13'-1"	26'-2"	LONG. IN CURBS
403	66	-	-	2'-2"	143'-0"	STIRRUPS IN EDGE BEAMS
404	2	-	-	63'-6"	127'-0"	BOTTOM OF HAUNCH
405	80	-	-	4'-8"	373'-4"	STIRRUPS IN HAUNCH
406	4	-	-	13'-2"	52'-8"	LONG. IN CURBS
-	-	-	-	-	-	-
TOTAL NO. 4 BARS = 835'-11" = 558 LBS						
TOTAL DEFORMED REINFORCING STEEL						46,480 LBS.
CONCRETE APPROACH SLAB						1,760 SQ. FT.

NOTES:

- Δ 1. QUANTITIES SHOWN FOR 401, 402 AND 406 BARS ARE FOR A 13'-6" CURB (SEE APPROACH SLAB DETAIL "P"). ADJUST QUANTITIES AS NEEDED FOR LONGER CURBS OR FOR "BRIDGE END DRAIN SYSTEM" INSTALLATIONS. BRIDGES WITHOUT GUARDRAIL OR END DRAINS DO NOT REQUIRE A CURB, UNLESS OTHERWISE STATED IN THE PLANS.
- 2. ALL MATERIAL TO BE PAID FOR UNDER ITEM "CONCRETE APPROACH SLABS (CAST-IN-PLACE)." QUANTITIES ARE FOR INFORMATION PURPOSES ONLY.
- ⊗ 3. FOR HANDLING PURPOSES, #4 BARS OVER 40' MAY BE SPLICED WITH A 1'-9" MIN. LAP SPLICE, #8 BARS OVER 60' MAY BE SPLICED WITH A 3'-2" MIN. LAP SPLICE, AND #10 BARS OVER 60' MAY BE SPLICED WITH A 4'-0" MIN. LAP SPLICE. ALL SPLICES TO BE STAGGERED. (SPLICE LENGTHS INCLUDED IN ESTIMATED QUANTITIES.)

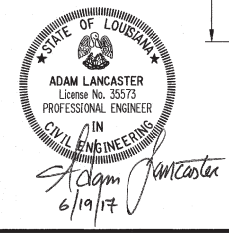
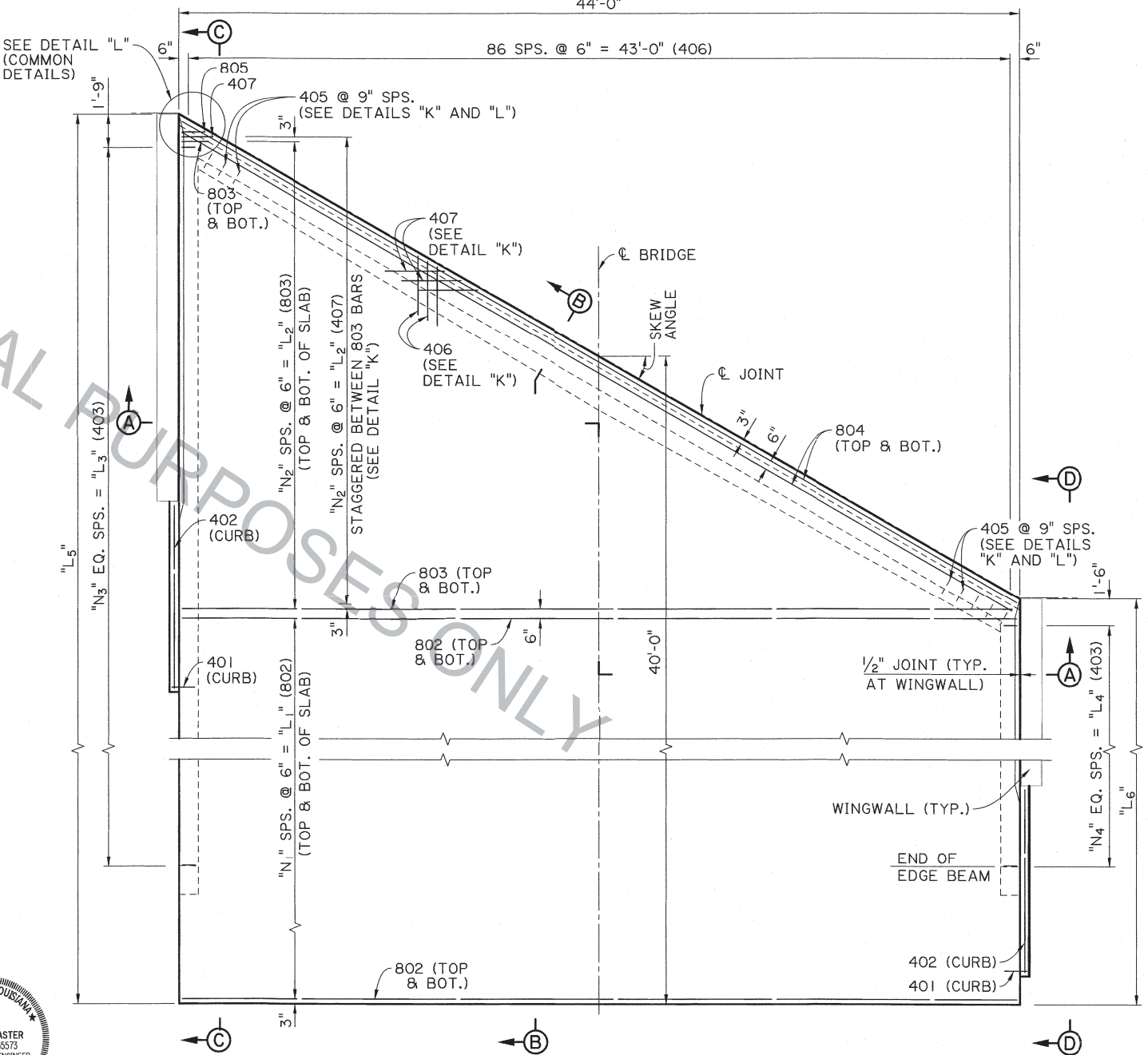
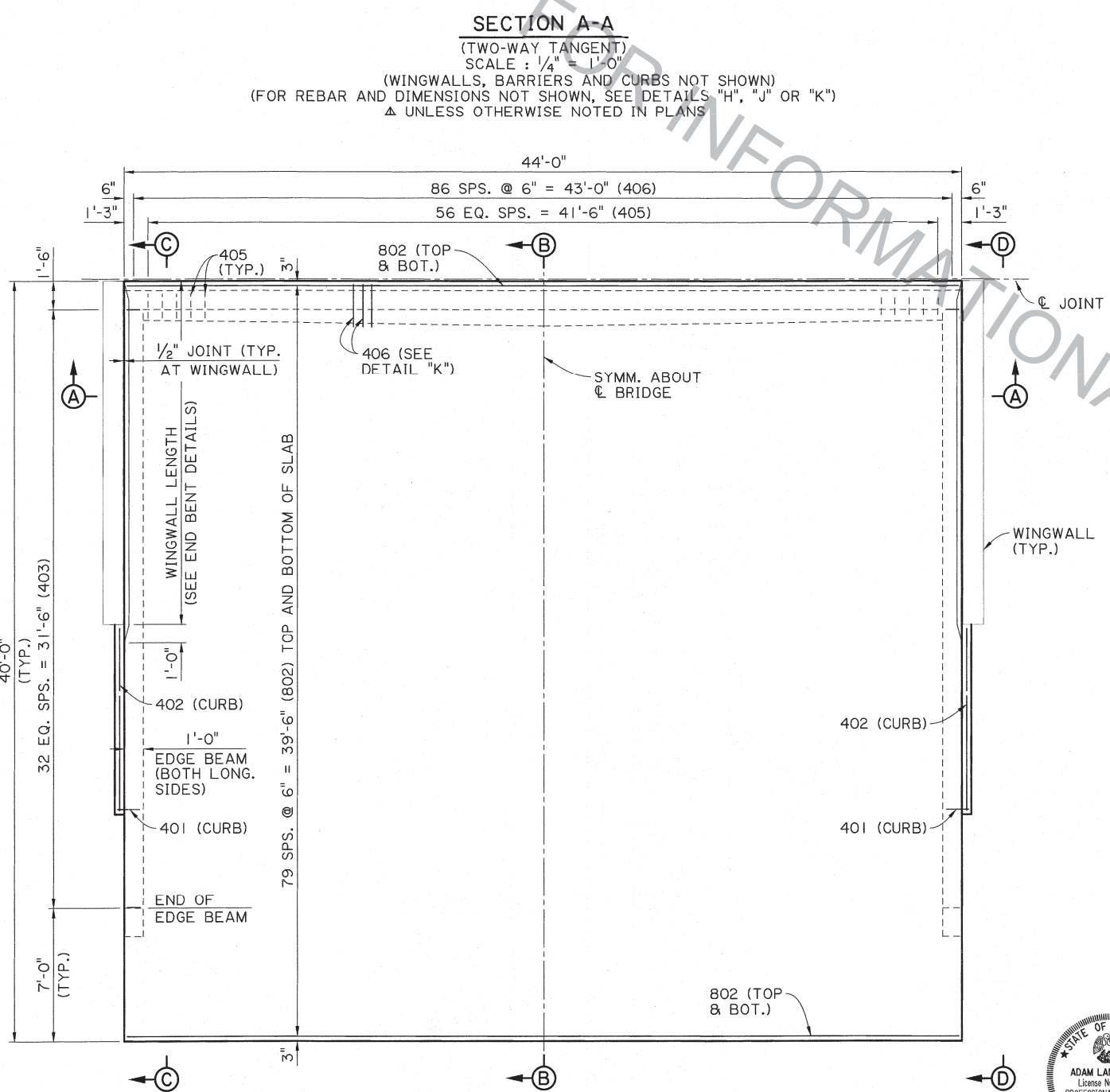
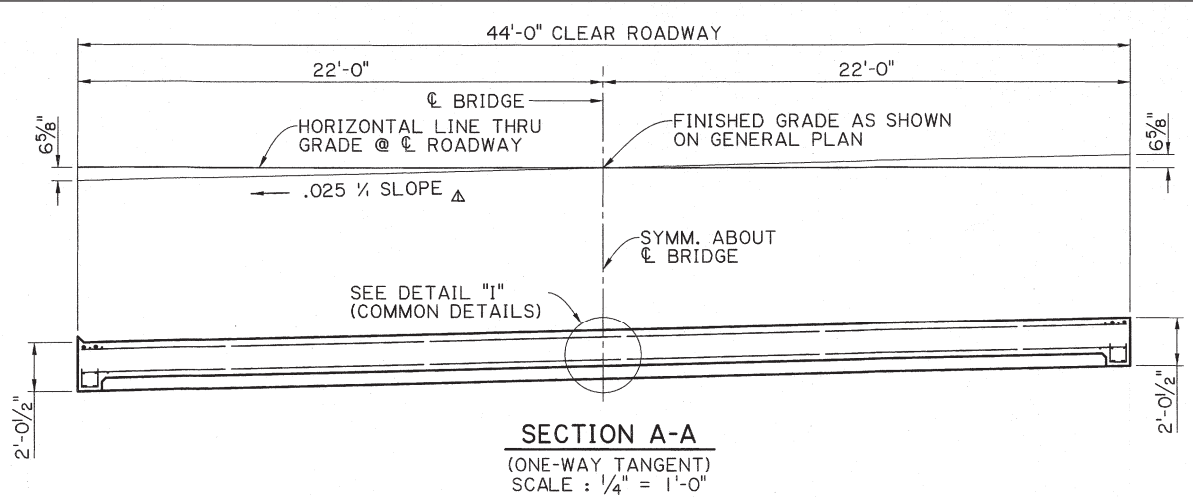
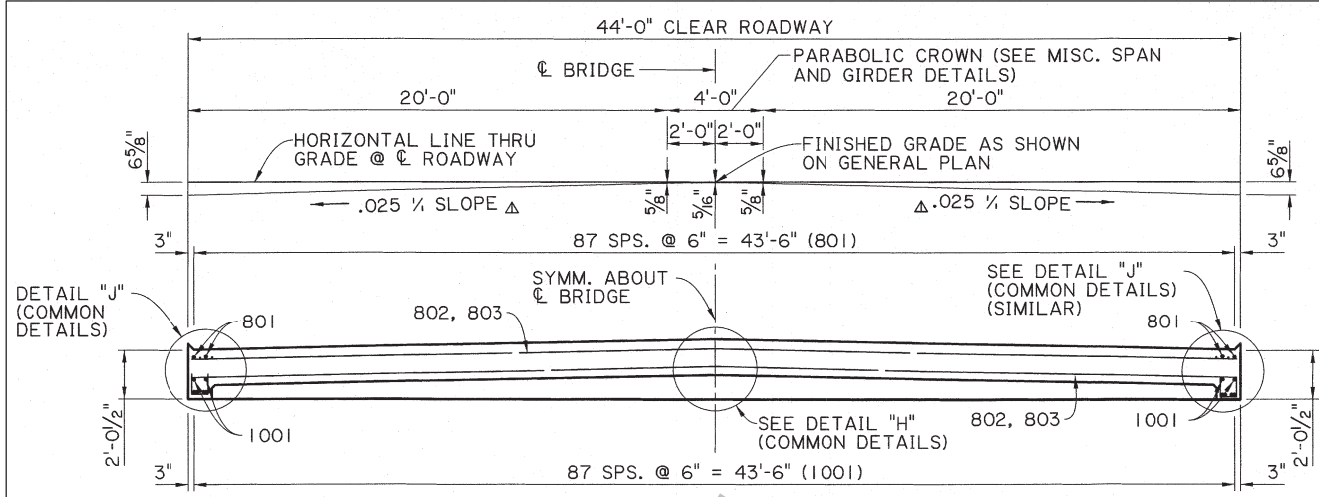


VARIABLES (SEE PLAN VIEW, SHT. 1 OF 2)			
VARIABLE	15° SKEW	30° SKEW	45° SKEW
N ₁	67	53	35
N ₂	22	48	84
N ₃	38	44	54
N ₄	26	19	10
L ₁	33'-6"	26'-6"	17'-6"
L ₂	11'-0"	24'-0"	42'-0"
L ₃	37'-2"	43'-11"	53'-3"
L ₄	25'-7"	18'-10"	9'-6"
L ₅	45'-10 ³ / ₄ "	52'-8 ¹ / ₂ "	62'-0"
L ₆	34'-1 ¹ / ₄ "	27'-3 ¹ / ₂ "	18'-0"



STATE OF LOUISIANA
ADAM LANCASTER
 License No. 35573
 PROFESSIONAL ENGINEER
 IN
 CIVIL ENGINEERING
 6/19/17

SHEET NUMBER	
DESIGNED	A. LANCASTER
CHECKED	R. MORVANT
DETAILS	J. W. P.
CHECKED	A. LANCASTER
REVIEWED	Z. Z. FU
SERIES #	2 OF 2
PARISH	
CONTROL SECTION	
STATE PROJECT	
BY	
NO.	
DATE	
REVISION OR CHANGE ORDER DESCRIPTION	
APPROACH SLAB QUANTITIES	
40' LONG & 44' CLEAR ROADWAY	
SLAB SPANS AND QUAD BEAM BRIDGES	
BD.2.10.2.7.02 - APPROACH SLAB	
BRIDGE AND STRUCTURAL DESIGN	



NOTE:
SEE APPROACH SLAB COMMON
DETAILS FOR SECTIONS AND
DETAILS NOT SHOWN.

SHEET NUMBER	PARISH	CONTROL SECTION	STATE PROJECT
DESIGNED A. LANCASTER	DESIGNED A. LANCASTER	REVIEWED Z.Z. FU	SERIES # 1 OF 2
CHECKED R. MORVANT	CHECKED J. W. P.	REVISION OR CHANGE ORDER DESCRIPTION	BY
DATE	NO.	NO.	NO.
APPROACH SLAB DETAILS 40' LONG & 44' CLEAR ROADWAY GIRDER SPANS EXCLUDING QUAD BEAMS APPROACH SLAB BD.2.10.2.7.03 - APPROACH SLAB			
BRIDGE AND STRUCTURAL DESIGN			

