DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, NEW ORLEANS DISTRICT
7400 LEAKE AVENUE
NEW ORLEANS, LOUISIANA 70118

REPLY TO
ATTENTION OF

Operations Division
Regulatory Branch

AUG 8 2017

SUBJECT: MVK-2000-01263

City of Monroe
c/o Louisiana Department of Transportation and Development
Post Office Box 94245
Baton Rouge, Louisiana 70804

Gentlemen:

As requested in your correspondence on March 20, 2017, the authorization granted by the Secretary of the Army in permit referenced above, dated January 25, 2012, from the District Engineer at Vicksburg, Mississippi, to construct the Kansas Lane Connector from Desiard Street to US 165 in Monroe, Ouachita Parish, Louisiana, is specifically extended to August 31, 2020.

The conditions, to which the work is made subject, excepting the time limit for completion, remain in full force and effect.

If the work authorized is not completed on or before the date herein specified, this authorization, if not previously revoked or specifically further extended, will cease and become null and void.

A copy of this permit approval letter must be conspicuously displayed at the project site. Also, you must keep a copy of this signed letter, with attached drawings, at the project site until the work is completed.

This is the last extension of time, which will be granted for this permit without full permit reprocessing. If the work is not completed by the date granted under this letter, it will be necessary for you to reapply for a permit to perform any work after that date. You then must submit a new completed application form, permit drawings indicating work completed and remaining, and request new letters of no objection. It is possible that, as a result of the new evaluation, your request for a time extension could be denied or the authorization for the portion of your project not completed could be significantly modified.

BY AUTHORITY OF THE SECRETARY OF THE ARMY:

Martin S. Mayer

Martin Mayer
Chief, Regulatory Branch
for
Michael N. Clancy
Colonel, U.S. Army
District Commander

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
PLANS OF PROPOSED STATE HIGHWAY

STATE PROJECT NO. H.007289
F.A.P. NO. H007289
KANSAS LANE EXTENSION

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
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3 - 3l	SUMMARY SHEETS
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77 - 89	PAVEMENT MARKING LAYOUT
90 - 94b	SEQUENCE OF CONSTRUCTION & DETOUR
95 - 101	SUBGRADE SOIL SURVEY
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	STANDARD PLAN	REV. DATE
301 - 302	BM-01 (2 SHTS.)	08-22-07
303	CB-01	11-02-00
304	CB-06	11-02-00
305	CB-07	11-02-00
306	CB-08	10-07-10
307 - 310	CP-01 (3 SHTS.)	10-24-14
311 - 312	DW-01 (2 SHTS.)	04-16-12
313 - 314	EC-01 (2 SHTS.)	10-01-08
315	FN-01	11-03-11
316 - 317	FN-02 (2 SHTS.)	11-03-11
318 - 327	GR-200 (10 SHTS.)	07-13-15
328	HS-03	04-07-14
329 - 330	MB-01 (2 SHTS.)	02-18-09
331 - 334	MC-01 (4 SHTS.)	04-16-12
335 - 339	PM-01-03,05,07 (5 SHTS.)	11-01-10
340	R-CB-11	03-01-11
341	R-CB-11 MOD.	03-01-11
342	RM-01	06-03-09
343 - 356	TTC-00(A-D),01-04, 06-07,09-10,16,19 (14 SHTS)	3-12-13
357	WP-01	12-23-13
401 - 552	CROSS SECTIONS	

TOTAL SHEETS = 518

US. HWY. 165
C.S. LOG MILE: 2.202
STA. 519+46.49
END S.P. H.007289
END F.A.P. H007289

FORSYTHE EXT.
C.S. LOG MILE: .630
STA. 786+84.25
BEG. S.P. H.007289
BEG. F.A.P. H007289

FORSYTHE EXT.
C.S. LOG MILE: .870
STA. 799+53.54
END S.P. H.007289
END F.A.P. H007289

KANSAS LANE EXT.
STA. 238+12.57
END S.P. H.007289
END F.A.P. H007289

R/R EXCEPTION
STA. 228+67.93 TO
STA. 228+77.93

OLD STERLINGTON
STA. 311+20.96
END S.P. H.007289
END F.A.P. H007289

EQUATION = 9.81
STA. 180+47.09 L.B. =
STA. 180+37.28 L.A.

BRIDGE SITE: 780.00'
STA. 111+00.00 TO
STA. 118+80.00

US. HWY. 80
C.S. LOG MILE: 2.176
STA. 416+21.46
END S.P. H.007289
END F.A.P. H007289

KANSAS LANE EXT.
STA. 100+22.01
BEG. S.P. H.007289
BEG. F.A.P. H007289

EX. KANSAS LANE
STA. 99+54.02
END S.P. H.007289
END F.A.P. H007289

US. HWY. 165
C.S. LOG MILE: 1.893
STA. 502+35.50
BEG. S.P. H.007289
BEG. F.A.P. H007289

OLD STERLINGTON
STA. 299+92.77
BEG. S.P. H.007289
BEG. F.A.P. H007289

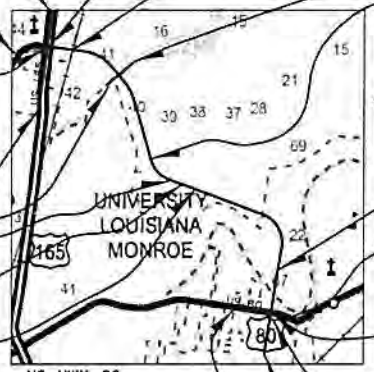
BRIDGE SITE: 140.00'
STA. 168+86.00 TO
STA. 170+26.00

BRIDGE SITE: 140.00'
STA. 165+06.00 TO
STA. 166+46.00

BRIDGE SITE: 140.00'
STA. 160+46.00 TO
STA. 161+86.00

US. HWY. 80
C.S. LOG MILE: 1.647
STA. 388+26.47
BEG. S.P. H.007289
BEG. F.A.P. H007289

EX. KANSAS LANE
STA. 85+90.04
BEG. S.P. H.007289
BEG. F.A.P. H007289



FORSYTHE EXTENSION
ROADWAY CLASS: UA-2
TRAFFIC DATA
2015 A.D.T. = 19,500
2035 A.D.T. = 24,000
D = 60%
K = 10%
T = 16%
DESIGN SPEED = 45 M.P.H.

KANSAS LANE
ROADWAY CLASS: UA-2
TRAFFIC DATA
2015 A.D.T. = N/A
2035 A.D.T. = 27,300
D = 54%
K = 10%
T = 6%
DESIGN SPEED = 45 M.P.H.

U.S. HWY. 80
ROADWAY CLASS: UA-2
TRAFFIC DATA
2015 A.D.T. = 32,135
2035 A.D.T. = 35,790
D = 53%
K = 10%
T = 7%
DESIGN SPEED = 40 M.P.H.

U.S. HWY. 165
ROADWAY CLASS: UA-3
TRAFFIC DATA
2015 A.D.T. = 39,953
2035 A.D.T. = 50,738
D = 52%
K = 10%
T = 21%
DESIGN SPEED = 50 M.P.H.

OLD STERLINGTON ROAD
ROADWAY CLASS: UC-2
TRAFFIC DATA
2015 A.D.T. = 4,430
2035 A.D.T. = 11,060
D = 55%
K = 10%
T = 3%
DESIGN SPEED = 45 M.P.H.

DATE	REVISION	DATE RECOMMENDED	DATE	APPROVED

SCHEDULE OF REVISIONS

TYPE OF CONSTRUCTION:

GRADING, EARTHWORK, DRAINAGE STRUCTURES, BASE COURSE, ASPHALTIC CONCRETE PAVEMENT, PORTLAND CEMENT CONCRETE PAVEMENT AND BRIDGE

DATUM USED : HOR. NAD 83, VERT. NVD 88
MAGNETIC VAR :
BEARINGS ARE : GRID

TRANSIT BOOKS : LA INC. 162 & 167
LEVEL BOOKS :

SCALES:
PLAN - 1"=20'
PROFILE HOR. - 1"=20'
VERT. - 1"=5'

LAYOUT MAP

SCALE: 1 INCH = 24,000 FEET

24,000 0 24,000 48,000 72,000

NOTE:
THE 2006 EDITION OF THE LOUISIANA DOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, AS AMENDED BY THE PROJECT SPECIFICATIONS, SHALL GOVERN ON THIS PROJECT.

LOCATION OF WORK

ROUTE NO.	CONTROL SECTION	LOG MILE BEGIN	LOG MILE END
US 80	002-01	1.647	2.176
US 165	016-01	1.893	2.202
LA 840-6	837-23	.630	.870

S.P.N. H.007289

VICINITY MAP
PERMIT SKETCHES

PRELIMINARY
FOR PERMITTING PURPOSES ONLY

Louisiana Department of Transportation and Development

Preliminary Plans
Subject to Change
Road Design

APPROVED

DENMON ENGINEERING, INC.
DATE

CITY OF MONROE
DATE

DOTD CHIEF ENGINEER
DATE

LENGTH OF PROJECT

DESCRIPTION	ALGEBRAIC SUM OF ALL EQUATIONS	GROSS LENGTH	EXCEPTION	BRIDGE LENGTH		ROADWAY LENGTH	
STATION TO STATION	FEET	FEET	FEET	FEET	MILES	FEET	MILES
85+90.04 - 99+54.02		1,363.98				1,363.98	0.258
100+22.01 - 238+12.57	9.81	13,790.37	10.00	1,200	0.227	12,590.37	2.385
299+92.77 - 311+20.96		1,128.19				1,128.19	0.214
502+35.50 - 507+21.96		486.46				486.46	0.092
508+01.35 - 519+46.49		1,145.14				1,145.14	0.217
388+26.47 - 416+21.46		2,794.99				2,794.99	0.529
786+84.25 - 799+53.54		1,269.29				1,269.29	0.240
7+98.43 - 9+73.00		174.57				174.57	0.033
10+36.69 - 12+35.00		198.31				198.31	0.038
10+51.00 - 12+68.74		217.74				217.74	0.041
5+79.18 - 9+69.00		389.82				389.82	0.074
10+15.80 - 12+31.26		215.46				215.46	0.041
TOTAL LENGTH OF BRIDGES				1,200	0.227		
TOTAL LENGTH OF ROADWAY						21,974.32	4.162
TOTAL MILES						4.389	

US 80
US 165 (N. OF INTERS.)
US 165 (S. OF INTERS.)
OLD STERLINGTON ROAD
KANSAS LN. (N. OF US 80)
KANSAS LN. (S. OF US 80)
FORSYTHE EXT.
BON AIRE LEFT
BON AIRE RIGHT
BAY CASS RIGHT
BON AIRE LEFT
BON AIRE LT TURNOUT

PERMIT SKETCHES

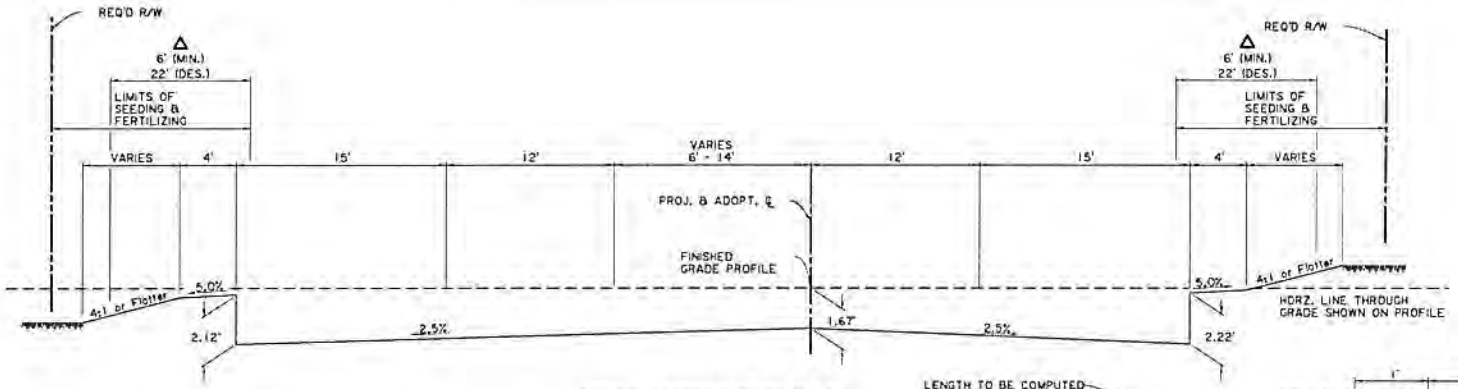
TITLE SHEET
KANSAS LANE EXTENSION

OUACHITA | H007289 | H.007289

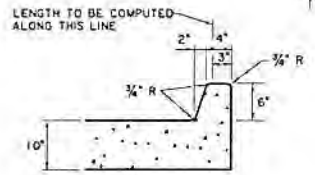
WETLAND DELINEATION SITE SUMMARY TABLE
State Project No. 700-37-0110
Federal Aid Project No. HP-T021(018)
Kansas Lane
Monroe, Ouachita Parish, Louisiana
Sites 1 - 7

Site	Station		Total Impacts (Acres)		Type
	Start	End	Wetlands	Other Waters	
1	110+80	118+20	--	0.813 (B)	BD, PS
2	149+75	175+40	7.806	--	BLH
3	180+00	192+65	3.350	--	BLH
4	206+70	206+76	--	0.020 (C)	IS
5	209+00	210+50	0.108	--	BLH
6	211+50	228+20	3.956	0.046 (C)	BLH, HW.IS
7	228+95	229+05	0.02	--	BLH
Totals			15.24	0.899	

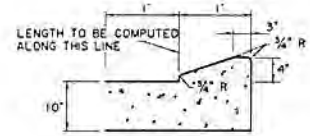
Legend: BLH – Bottomland Hardwood; BD – Bayou Desiard;
PS – Perennial Stream; IS – Intermittent Stream;
HW- HerbaceousWetland; (C) – Culvert; (B) – Bridge



TYPICAL GRADING SECTION (N.T.S.)
APPLIES STA. 100+22.01 TO STA. 105+63.05



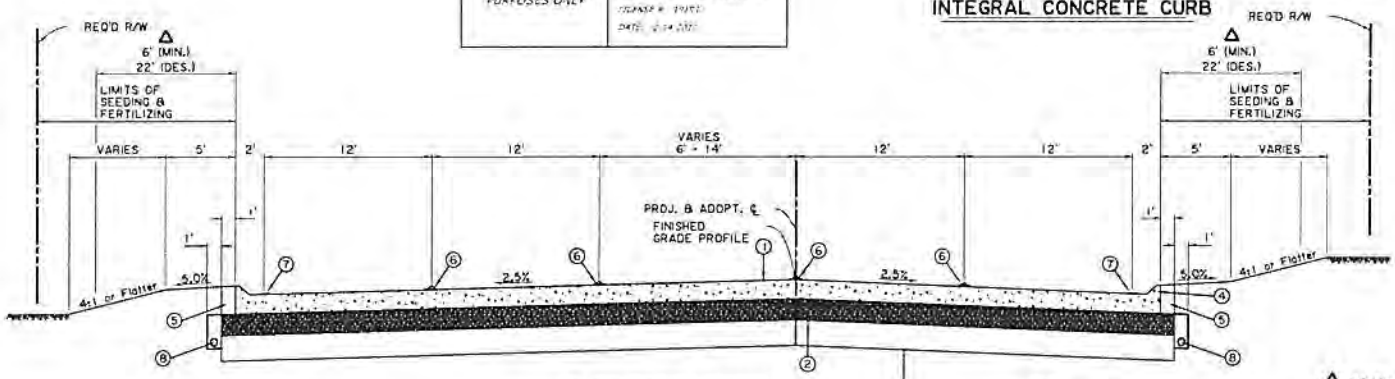
BARRIER TYPE
INTEGRAL CONCRETE CURB



MOUNTABLE TYPE
INTEGRAL CONCRETE CURB

PERMIT SKETCHES

PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	[illegible]



TYPICAL FINISHED SECTION (N.T.S.)
APPLIES STA. 100+22.01 TO STA. 105+63.05

NOTE:
DUST SENSITIVE AREA.

△ TO BE CONSTRUCTED FREE OF OBSTRUCTIONS

RIGID STRUCTURAL DESIGN

CURRENT ADT	= N/A
MEDIUM ADT	= N/A
DESIGN ADT	= 27,300
PERFORMANCE PERIOD (YEARS)	= 20
18 Kip ESALS	= 1,464.85
ESALS OVER DESIGN LIFE	= 10,694,500
PCC MODULUS OF RUPTURE (PSI)	= 750
K VALUES (PSI/IN)	= 500
CALCULATED THICKNESS (INCHES)	= 9.7
THICKNESS PROVIDED (INCHES)	= 10

LEGEND

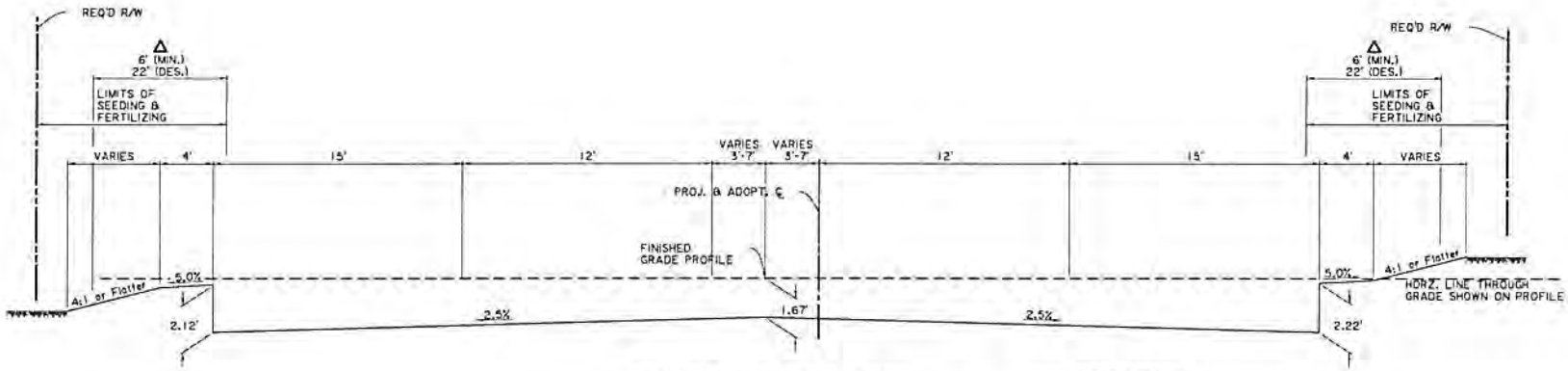
1. 10 IN. PORTLAND CEMENT CONCRETE PAVEMENT
2. 10 IN. CLASS II BASE COURSE (STONE OR RECYCLED P.C.C.)
3. 12 IN. SUBGRADE LAYER (TREATED) (USE AS DIRECTED BY ENGINEER)
4. INTEGRAL CONCRETE CURB (MOUNTABLE)(BARRIER IN TURNOUTS)
5. EMBANKMENT
6. PAVEMENT STRIPING & REFLECTORIZED MARKERS
7. PAVEMENT STRIPING
8. 4" PERFORATED PIPE UNDERDRAIN (TO BE TIED INTO SUBSURFACE DRAINAGE SYSTEM)

Preliminary Plans
Subject to Change
Road Design

TYPICAL SECTION
PCC PAVEMENT
KANSAS LANE EXTENSION

PARISH: OUACHITA
FEDERAL PROJECT:
STATE PROJECT: H.007289
DESIGNED: TLB
CHECKED: TLB
DETAILED: CDF
CHECKED: MRG
DATE: 11/16
SHEET: 2

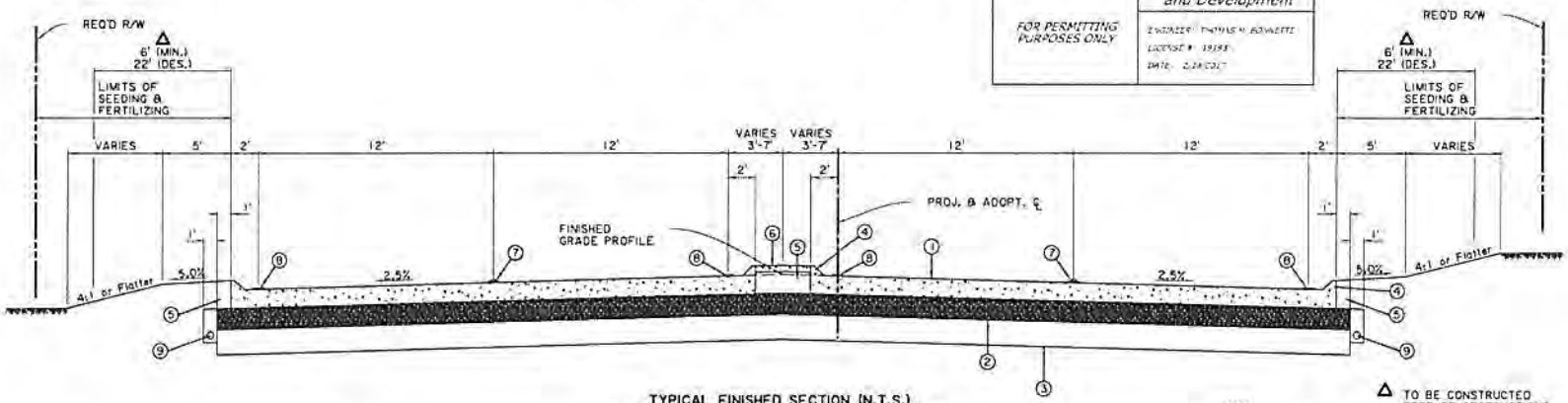
PERMIT SKETCHES



TYPICAL GRADING SECTION (N.T.S.)
APPLIES STA. 105+63.05 TO STA. 109+00.00

PERMIT SKETCHES

PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	ENGINEER: THOMAS H. BOUDREAUX LICENSE #: 19193 DATE: 2/24/2017



TYPICAL FINISHED SECTION (N.T.S.)
APPLIES STA. 105+63.05 TO STA. 109+00.00

NOTE:
DUST SENSITIVE AREA.

△ TO BE CONSTRUCTED FREE OF OBSTRUCTIONS

RIGID STRUCTURAL DESIGN

CURRENT ADT	= N/A
MEDIUM ADT	= N/A
DESIGN ADT	= 27,300
PERFORMANCE PERIOD (YEARS)	= 20
18 Kip ESALS	= 1,464,85
ESALS OVER DESIGN LIFE	= 10,694,500
PCC MODULUS OF RUPTURE (PSI)	= 750
K VALUES (PSI/IN)	= 500
CALCULATED THICKNESS (INCHES)	= 9.7
THICKNESS PROVIDED (INCHES)	= 10

LEGEND

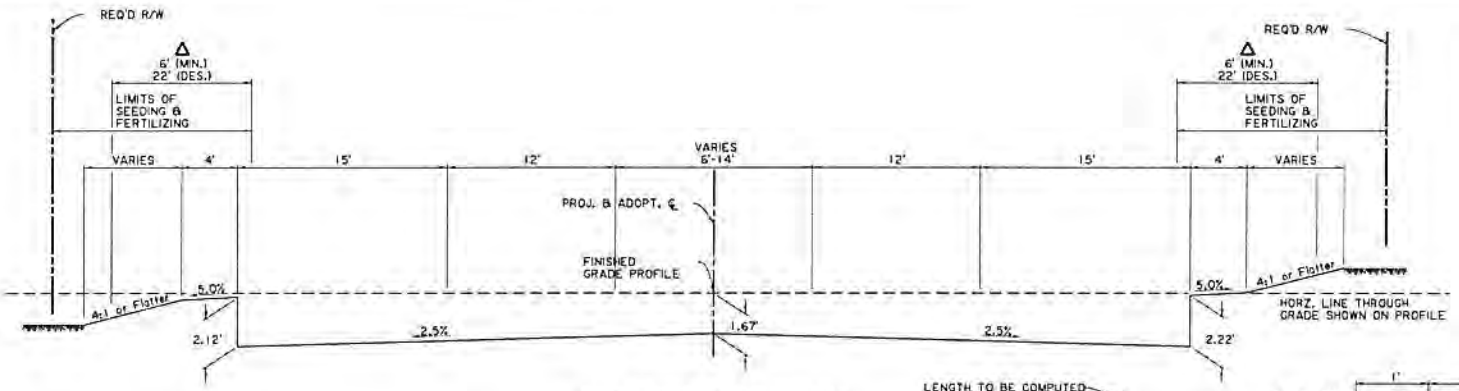
1. 10 IN. PORTLAND CEMENT CONCRETE PAVEMENT
2. 10 IN. CLASS II BASE COURSE (STONE OR RECYCLED P.C.C.)
3. 12 IN. SUBGRADE LAYER (TREATED) (USE AS DIRECTED BY PROJ. ENG.)
4. INTEGRAL CONCRETE CURB (MOUNTABLE)(BARRIER IN TURNOUTS)
5. EMBANKMENT
6. 6 IN. INCIDENTAL CONCRETE (W/RED PIGMENT)
7. PAVEMENT STRIPING & REFLECTORIZED MARKERS
8. PAVEMENT STRIPING
9. 4" PERFORATED PIPE UNDERDRAIN (TO BE TIED INTO SUBSURFACE DRAINAGE SYSTEM)

Preliminary Plans
Subject to Change
Road Design

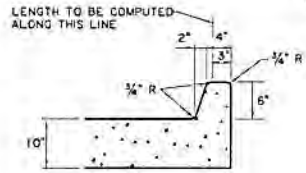
PERMIT SKETCHES

SHEET NUMBER 2a
OUACHITA
FEDERAL PROJECT
STATE PROJECT H.007289
DESIGNED TMB
DETAILED TMB
CHECKED COF
CHECKED TMB
DATE 11/16
REVISION DESCRIPTION
DATE

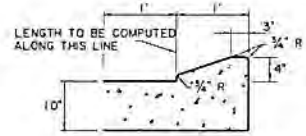
TYPICAL SECTION WITH 8' RAISED MEDIAN
PCC PAVEMENT
KANSAS LANE EXTENSION



TYPICAL GRADING SECTION (N.T.S.)
APPLIES STA. 120+79.26 TO STA. 121+00.00
APPLIES STA. 232+07.61 TO STA. 238+12.57



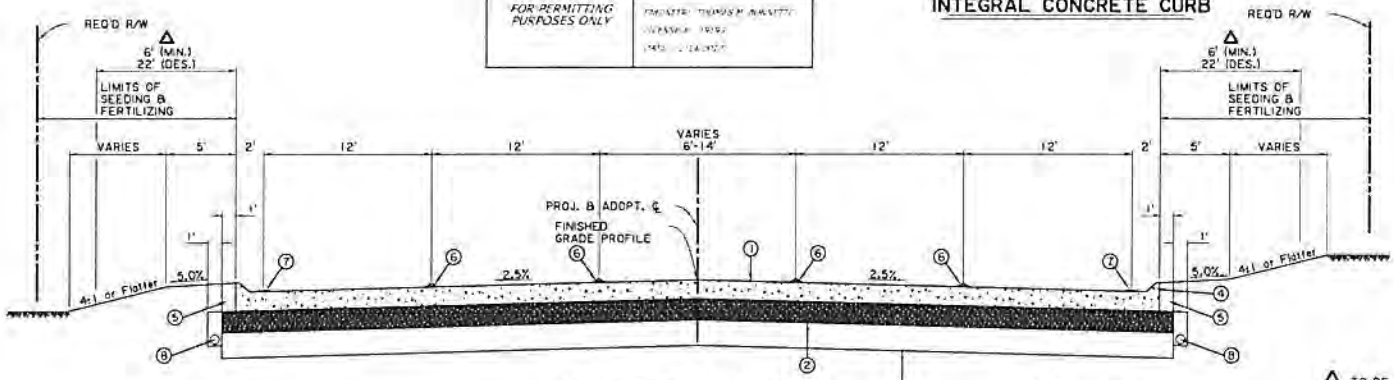
BARRIER TYPE
INTEGRAL CONCRETE CURB



MOUNTABLE TYPE
INTEGRAL CONCRETE CURB

PERMIT SKETCHES

PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	[illegible]



TYPICAL FINISHED SECTION (N.T.S.)
APPLIES STA. 120+79.26 TO STA. 121+00.00
APPLIES STA. 232+07.61 TO STA. 238+12.57

NOTE:
DUST SENSITIVE AREA.

△ TO BE CONSTRUCTED FREE OF OBSTRUCTIONS

RIGID STRUCTURAL DESIGN

CURRENT ADT	= N/A
MEDIUM ADT	= N/A
DESIGN ADT	= 27,300
PERFORMANCE PERIOD (YEARS)	= 20
18 Kip ESALS	= 1,464.85
ESALS OVER DESIGN LIFE	= 10,694,500
PCC MODULUS OF RUPTURE (PSI)	= 750
K VALUES (PSI/IN)	= 500
CALCULATED THICKNESS (INCHES)	= 9.7
THICKNESS PROVIDED (INCHES)	= 10

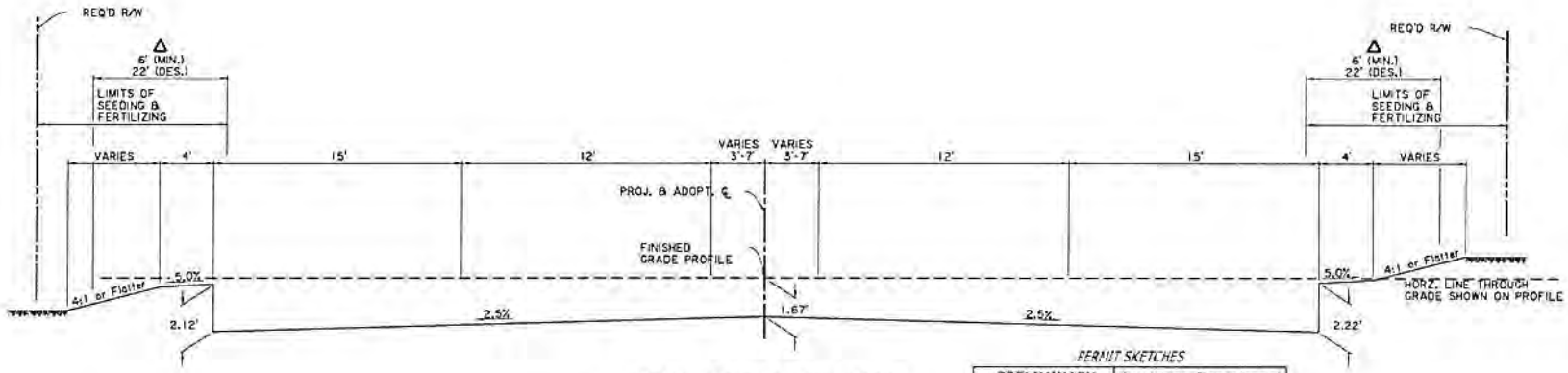
LEGEND

1. 10 IN. PORTLAND CEMENT CONCRETE PAVEMENT
2. 10 IN. CLASS II BASE COURSE (STONE OR RECYCLED PCC)
3. 12 IN. SUBGRADE LAYER (TREATED) (USE AS DIRECTED BY [illegible])
4. INTEGRAL CONCRETE CURB (MOUNTABLE)(BARRIER IN TURNOUTS)
5. EMBANKMENT
6. PAVEMENT STRIPING & REFLECTORIZED MARKERS
7. PAVEMENT STRIPING
8. 4" PERFORATED PIPE UNDERDRAIN (TO BE TIED INTO SUBSURFACE DRAINAGE SYSTEM)

Preliminary Plans
Subject to Change
Road Design

PERMIT SKETCHES

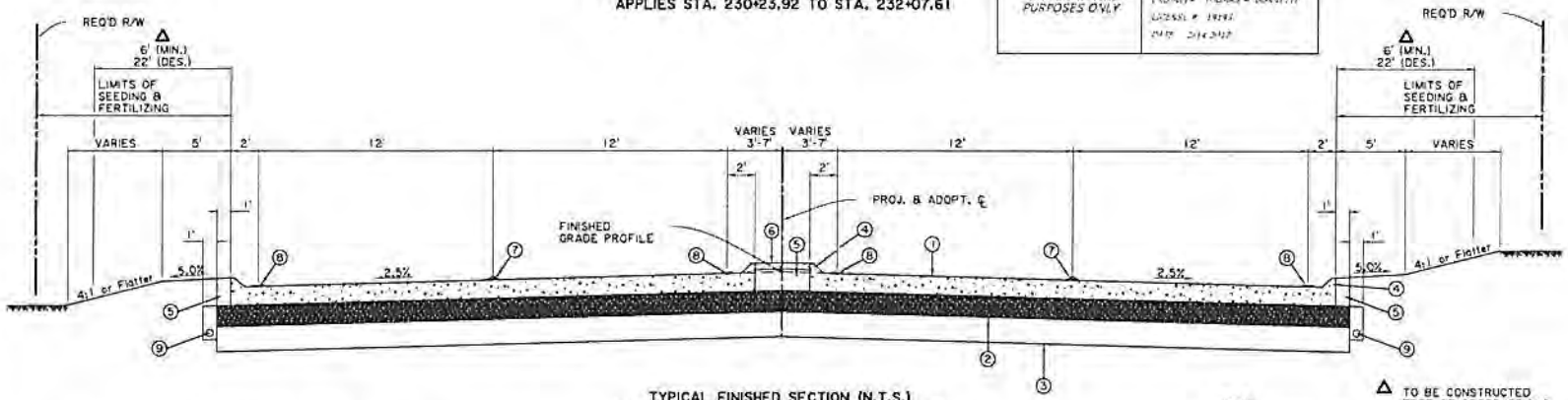
SHEET NUMBER 2a
OUACHITA
FEDERAL PROJECT HL007289
TMS
11/16
TYPICAL SECTION
PCC PAVEMENT
KANSAS LANE EXTENSION



FERMIT SKETCHES

PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	ENGINEER THOMAS M. BONASETTI LICENSE # 19191 DATE 2/14/2017

TYPICAL GRADING SECTION (N.T.S.)
APPLIES STA. 109+00.00 TO STA. 111+00.00
APPLIES STA. 118+80.00 TO STA. 120+79.26
APPLIES STA. 230+23.92 TO STA. 232+07.61



TYPICAL FINISHED SECTION (N.T.S.)
APPLIES STA. 109+00.00 TO STA. 111+00.00
APPLIES STA. 118+80.00 TO STA. 120+79.26
APPLIES STA. 230+23.92 TO STA. 232+07.61

△ TO BE CONSTRUCTED FREE OF OBSTRUCTIONS

NOTE:
DUST SENSITIVE AREA.

RIGID STRUCTURAL DESIGN

CURRENT ADT	= N/A
MEDIUM ADT	= N/A
DESIGN ADT	= 27,300
PERFORMANCE PERIOD (YEARS)	= 20
18 Kip ESALS	= 1,464.85
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PCC MODULUS OF RUPTURE (PSI)	= 750
K VALUES (PSI/IN)	= 500
CALCULATED THICKNESS (INCHES)	= 9.7
THICKNESS PROVIDED (INCHES)	= 10

LEGEND

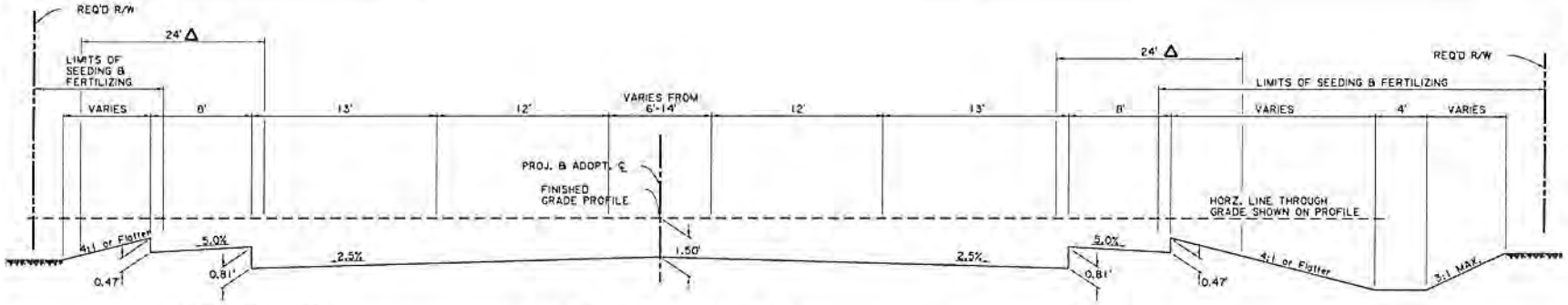
1. 10 IN. PORTLAND CEMENT CONCRETE PAVEMENT
2. 10 IN. CLASS II BASE COURSE (STONE OR RECYCLED P.C.C.)
3. 12 IN. SUBGRADE LAYER (TREATED) (USE AS DIRECTED BY PROJ. ENG.)
4. INTEGRAL CONCRETE CURB (MOUNTABLE)(BARRIER IN TURNOUTS)
5. EMBANKMENT
6. 6 IN. INCIDENTAL CONCRETE (W/RED PIGMENT)
7. PAVEMENT STRIPING & REFLECTORIZED MARKERS
8. PAVEMENT STRIPING
9. 4" PERFORATED PIPE UNDERDRAIN (TO BE TIED INTO SUBSURFACE DRAINAGE SYSTEM)

Preliminary Plans
Subject to Change
Road Design

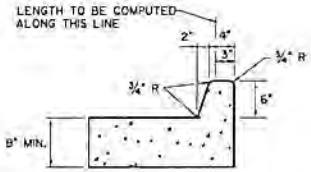
PERMIT SKETCHES

SHEET NUMBER 2b
PARISH OUACHITA
FEDERAL PROJECT
STATE PROJECT H.007289
DESIGNED TMS
CHECKED TMS
DETAILED CDF
CHECKED TMS
DATE 11/16

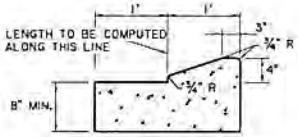
TYPICAL SECTION WITH 8' RAISED MEDIAN
PCC PAVEMENT
KANSAS LANE EXTENSION



TYPICAL GRADING SECTION (N.T.S.)
APPLIES STA. 138+14.00 TO STA. 160+46.00
APPLIES STA. 161+86.00 TO STA. 165+06.00
APPLIES STA. 166+46.00 TO STA. 168+86.00
APPLIES STA. 182+15.00 TO STA. 199+05.00
APPLIES STA. 227+30.00 TO STA. 228+04.24



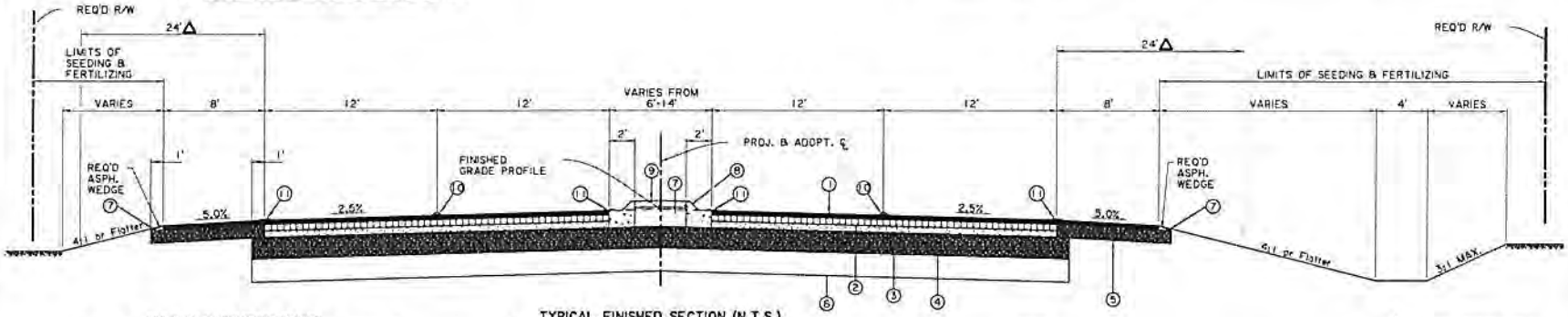
BARRIER TYPE
COMBINATION CONCRETE CURB



MOUNTABLE TYPE
COMBINATION CONCRETE CURB

PERMIT SKETCHES

PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	ENGINEER: THOMAS W. BOULETTE LICENSE #: [illegible] DATE: [illegible]



TYPICAL FINISHED SECTION (N.T.S.)
APPLIES STA. 138+14.00 TO STA. 160+46.00
APPLIES STA. 161+86.00 TO STA. 165+06.00
APPLIES STA. 166+46.00 TO STA. 168+86.00
APPLIES STA. 182+15.00 TO STA. 199+05.00
APPLIES STA. 227+30.00 TO STA. 228+04.24

FLEXIBLE STRUCTURAL DESIGN

CURRENT ADT	= N/A
MEDIUM ADT	= N/A
DESIGN ADT	= 27,300
PERFORMANCE PERIOD (YEARS)	= 20
18 Kip ESALS	= 1,120.24
ESALS OVER DESIGN LIFE (W18)	= 8,177,760.03
SOIL RESILIENT MODULUS (PSI)	= 10,000
STRUCTURAL NO. REQUIRED (INCHES)	= 4.6
STRUCTURAL NO. PROVIDED (INCHES PER LAYER)	
1 - WEARING COURSE, SUPERPAVE	= 0.88
2 - BINDER COURSE, SUPERPAVE	= 1.32
3 - BASE COURSE, SUPERPAVE	= 0.99
4 - BASE COURSE, IN-PLACE CEMENT TREATED	= 1.40
STRUCTURAL NO. PROVIDED (TOTAL INCHES)	= 4.59

LEGEND

1. 2 IN. SUPERPAVE ASPHALTIC CONCRETE WEARING COURSE, LEVEL 1F
2. 3 IN. SUPERPAVE ASPHALTIC CONCRETE BINDER COURSE, LEVEL 1
3. 3 IN. SUPERPAVE ASPHALTIC CONCRETE BASE COURSE, LEVEL 1
4. 10 IN. CLASS II BASE COURSE (STONE OR RECYCLED P.C.C.)
5. 6 IN. CLASS II BASE COURSE (STONE OR RECYCLED P.C.C.)
6. 12 IN. SUBGRADE LAYER (TREATED) (USE AS DIRECTED BY PROJ. ENG.)
7. EMBANKMENT
8. COMBINATION CURB & GUTTER (MOUNTABLE)
9. 6 IN. INCIDENTAL CONCRETE (W/RED PIGMENT)
10. PAVEMENT STRIPING & REFLECTORIZED MARKERS
11. PAVEMENT STRIPING

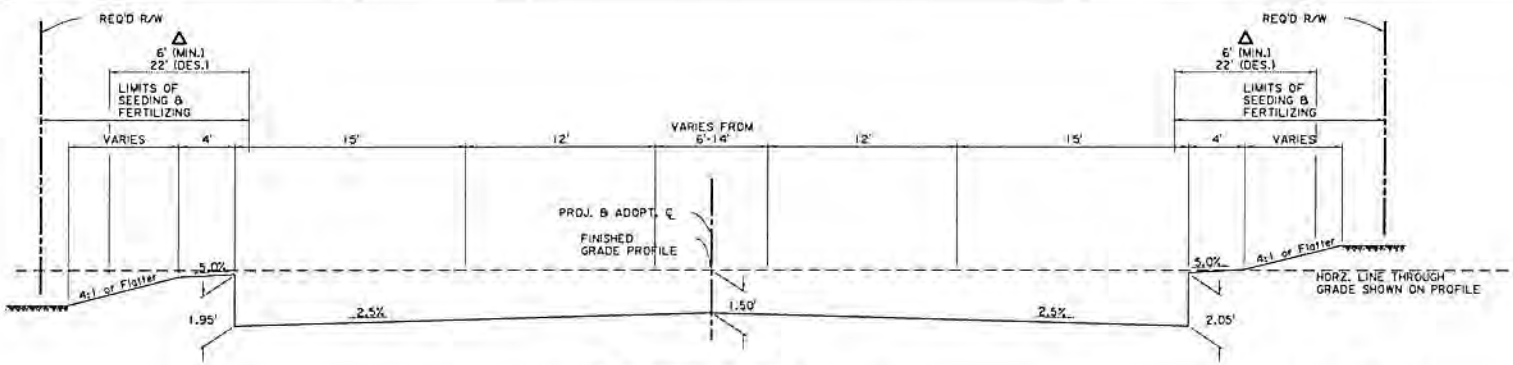
△ TO BE CONSTRUCTED FREE OF OBSTRUCTIONS

Preliminary Plans
Subject to Change
Road Design

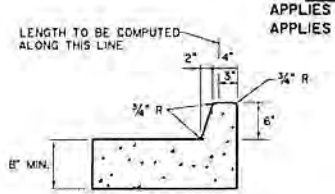
TYPICAL SECTION WITH 8' RAISED MEDIAN
ASPHALTIC CONCRETE PAVEMENT
KANSAS LANE EXTENSION

SHEET NUMBER 2d
PARISH OUACHITA
FEDERAL PROJECT
STATE PROJECT H.007269
DRAWING TMB
SHEET TMB
DETAILED CDF
CHECKED TMB
DATE 11/16
DATE
NO.
REVISIONS

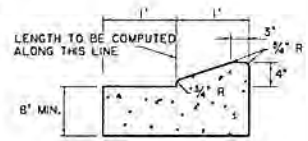
PERMIT SKETCHES



TYPICAL GRADING SECTION (N.T.S.)
APPLIES STA. 228+04.24 TO STA. 228+67.93
APPLIES STA. 228+77.93 TO STA. 230+23.92



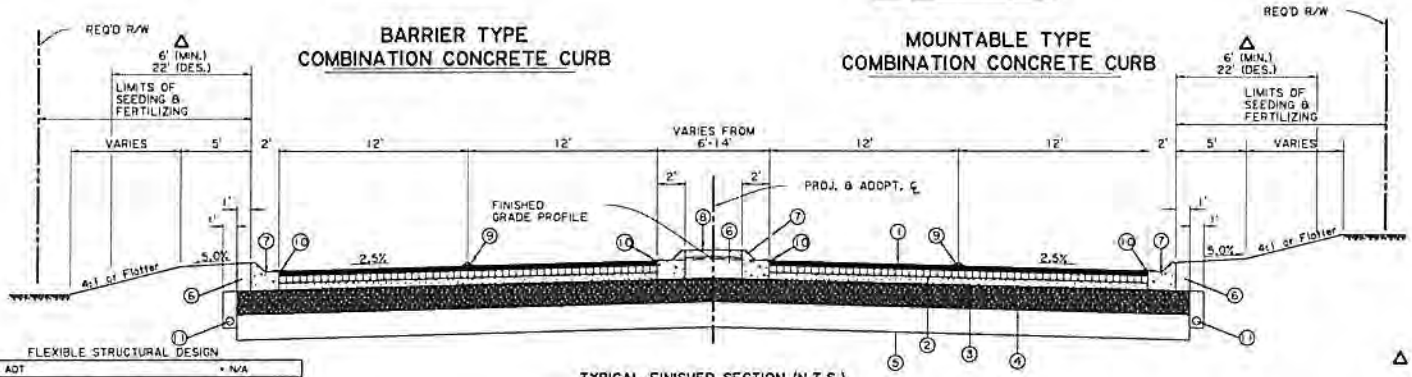
BARRIER TYPE
COMBINATION CONCRETE CURB



MOUNTABLE TYPE
COMBINATION CONCRETE CURB

PERMIT SKETCHES

PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	[illegible]



TYPICAL FINISHED SECTION (N.T.S.)
APPLIES STA. 228+04.24 TO STA. 228+67.93
APPLIES STA. 228+77.93 TO STA. 230+23.92

FLEXIBLE STRUCTURAL DESIGN

CURRENT ADT	= N/A
MEDIUM ADT	= N/A
DESIGN ADT	= 27,300
PERFORMANCE PERIOD (YEARS)	= 20
18 Kip ESALS	= 1,120.24
ESALS OVER DESIGN LIFE (W18)	= 8,177,760.03
SOIL RESILIENT MODULUS (PSI)	= 10,000
STRUCTURAL NO. REQUIRED (INCHES)	= 4.6
STRUCTURAL NO. PROVIDED (INCHES PER LAYER)	
1 - WEARING COURSE, SUPERPAVE	= 0.88
2 - BINDER COURSE, SUPERPAVE	= 1.32
3 - BASE COURSE, SUPERPAVE	= 0.99
4 - BASE COURSE, IN-PLACE CEMENT TREATED	= 1.40
STRUCTURAL NO. PROVIDED (TOTAL INCHES)	= 4.59

NOTE:
FOR STA. 228+33 - 229+12,
SEE SHT. 67a FOR GRAPHICAL GRADES.

LEGEND

1. 2 IN. SUPERPAVE ASPHALTIC CONCRETE WEARING COURSE, LEVEL 1F
2. 3 IN. SUPERPAVE ASPHALTIC CONCRETE BINDER COURSE, LEVEL 1
3. 3 IN. SUPERPAVE ASPHALTIC CONCRETE BASE COURSE, LEVEL 1
4. 10 IN. CLASS II BASE COURSE (STONE OR RECYCLED P.C.C.)
5. 12 IN. SUBGRADE LAYER (TREATED) (USE AS DIRECTED BY PROJ. ENG.)
6. EMBANKMENT
7. COMBINATION CURB & GUTTER (MOUNTABLE)
8. 6 IN. INCIDENTAL CONCRETE (W/RED PIGMENT)
9. PAVEMENT STRIPING & REFLECTORIZED MARKERS
10. PAVEMENT STRIPING
11. 4" PERFORATED PIPE UNDERDRAIN (TO BE TIED INTO SUBSURFACE DRAINAGE SYSTEM)

△ TO BE CONSTRUCTED FREE OF OBSTRUCTIONS

Preliminary Plans
Subject to Change
Road Design

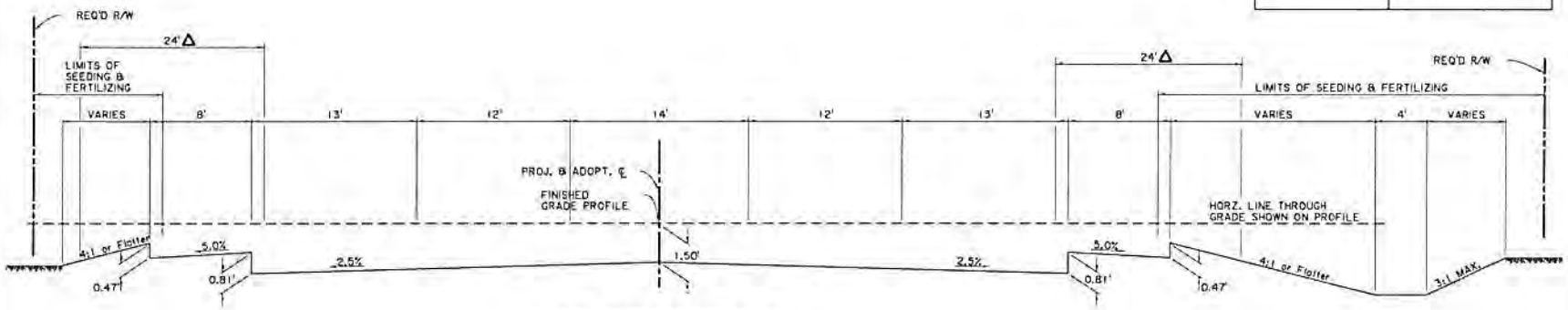
PERMIT SKETCHES

SHEET NUMBER	2e		
PARISH	OUACHITA	FEDERAL PROJECT	H.007289
DESIGNED TMB CHECKED TMB	DETAILED CDF CHECKED TMB	DATE 11/16	

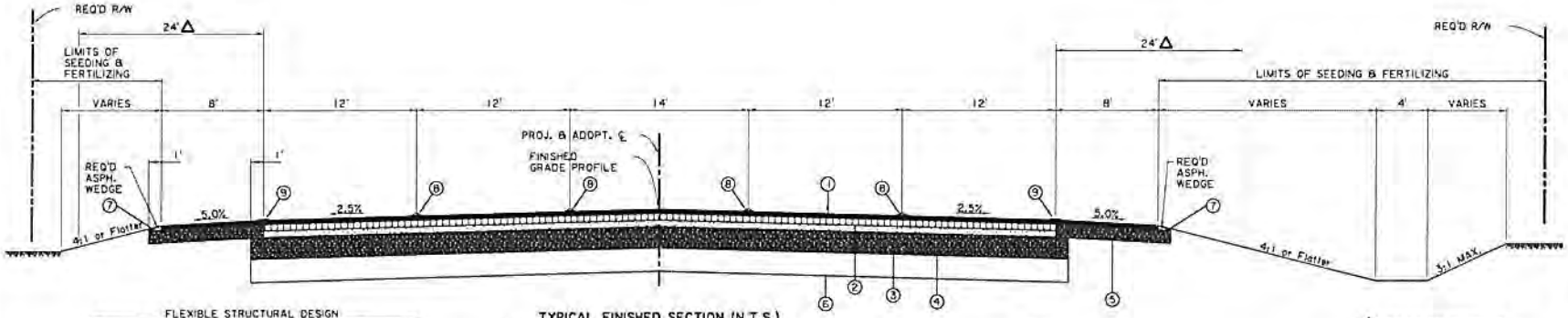
TYPICAL SECTION WITH 8' RAISED MEDIAN
ASPHALTIC CONCRETE PAVEMENT
KANSAS LANE EXTENSION

PERMIT SKETCHES

PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	ENGINEER: THOMAS M. BOSWELL LICENSE #: 19191 DATE: 7/12/2017



TYPICAL GRADING SECTION (N.T.S.)
APPLIES STA. 210+25.00 TO STA. 213+10.00



TYPICAL FINISHED SECTION (N.T.S.)
APPLIES STA. 210+25.00 TO STA. 213+10.00

FLEXIBLE STRUCTURAL DESIGN

CURRENT ADT	= N/A
MEDIUM ADT	= N/A
DESIGN ADT	= 27,300
PERFORMANCE PERIOD (YEARS)	= 20
18 Kip ESALS	= 1,120.24
ESALS OVER DESIGN LIFE (W18)	= 8,177,760.03
SOIL RESILIENT MODULUS (PSI)	= 10,000
STRUCTURAL NO. REQUIRED (INCHES)	= 4.6
STRUCTURAL NO. PROVIDED (INCHES PER LAYER)	
1 - WEARING COURSE, SUPERPAVE	= 0.88
2 - BINDER COURSE, SUPERPAVE	= 1.32
3 - BASE COURSE, SUPERPAVE	= 0.99
4 - BASE COURSE, IN-PLACE CEMENT TREATED	= 1.40
STRUCTURAL NO. PROVIDED (TOTAL INCHES)	= 4.59

LEGEND

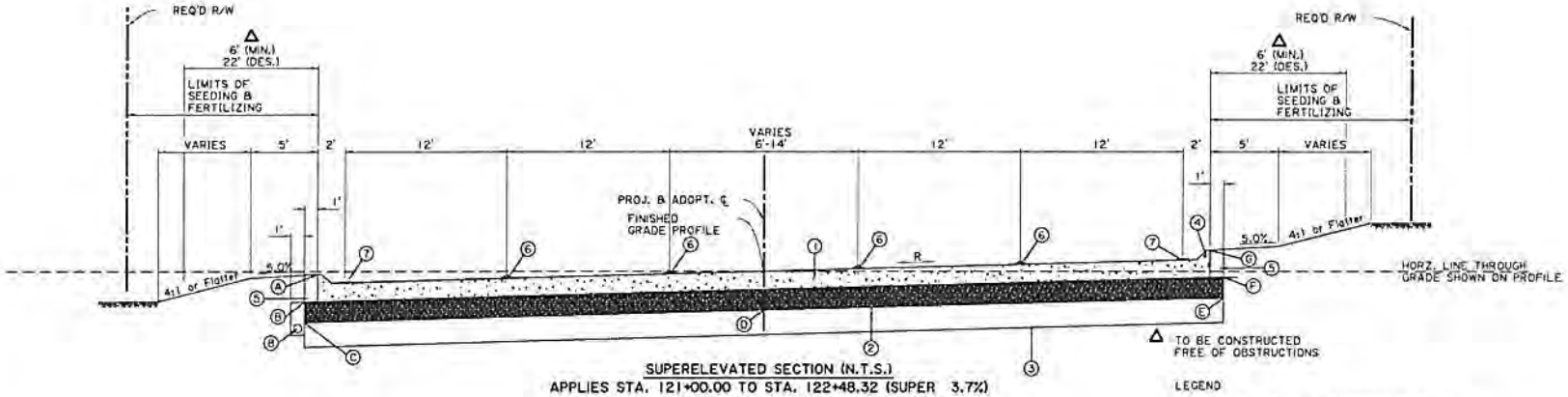
1. 2 IN. SUPERPAVE ASPHALTIC CONCRETE WEARING COURSE, LEVEL 1F
2. 3 IN. SUPERPAVE ASPHALTIC CONCRETE BINDER COURSE, LEVEL 1
3. 3 IN. SUPERPAVE ASPHALTIC CONCRETE BASE COURSE, LEVEL 1
4. 10 IN. CLASS II BASE COURSE (STONE OR RECYCLED P.C.C.)
5. 6 IN. CLASS II BASE COURSE (STONE OR RECYCLED P.C.C.)
6. 12 IN. SUBGRADE LAYER (TREATED) (USE AS DIRECTED BY PROJ. ENG.)
7. EMBANKMENT
8. PAVEMENT STRIPING & REFLECTORIZED MARKERS
9. PAVEMENT STRIPING

△ TO BE CONSTRUCTED FREE OF OBSTRUCTIONS

Preliminary Plans
Subject to Change
Road Design

SHEET NUMBER 21
OUACHITA
H.007289
DESIGNED TMB
CHECKED TMB
DETAILED CDF
CHECKED TMB
DATE 11/16

TYPICAL SECTION
ASPHALTIC CONCRETE PAVEMENT
KANSAS LANE EXTENSION



SUPERELEVATED SECTION (N.T.S.)

APPLIES STA. 121+00.00 TO STA. 122+48.32 (SUPER 3.7%)
APPLIES STA. 125+93.71 TO STA. 134+60.18 (SUPER 3.7%)

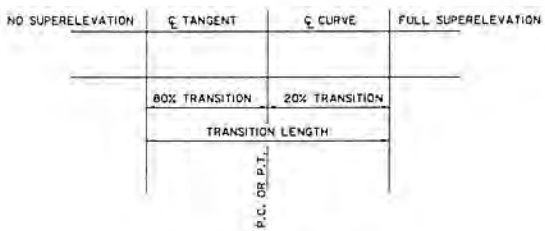
LEGEND

1. 10 IN. PORTLAND CEMENT CONCRETE PAVEMENT
2. 10 IN. CLASS II BASE COURSE (STONE OR RECYCLED P.C.C.)
3. 12 IN. SUBGRADE LAYER (TREATED) (USE AS DIRECTED BY PROJ. ENG.)
4. INTEGRAL CONCRETE CURB (MOUNTABLE)(BARRIER IN TURNOUTS)
5. EMBANKMENT
6. PAVEMENT STRIPING & REFLECTORIZED MARKERS
7. PAVEMENT STRIPING
8. 4" PERFORATED PIPE UNDERDRAIN (TO BE TIED INTO SUBSURFACE DRAINAGE SYSTEM)

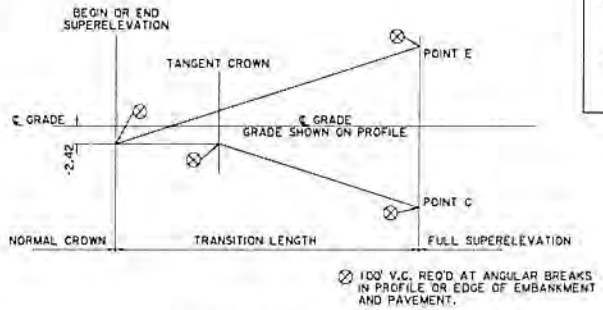
SUPERELEVATION DETAILS (IN FEET) WITH REFERENCE TO HORIZONTAL LINE THROUGH GRADE SHOWN ON PROFILE

RADIUS	R	A	B	C	D	E	F	G	TRANSITION LENGTH
* –	NC	-0.43	-1.58	-2.42	-1.67	-2.42	-1.58	-0.43	NA
** 1000'	3.70%	-0.90	-2.09	-2.92	-1.67	-0.41	0.42	1.52	210

DIMENSIONS BASED ON 48' ROADWAY
*WITH 6' MEDIAN
**WITH 14' MEDIAN



PLAN OF RUNOFF



⊗ 100' V.C. REQ'D AT ANGULAR BREAKS IN PROFILE OR EDGE OF EMBANKMENT AND PAVEMENT.

DIAGRAM OF SUPERELEVATION
(NOT TO SCALE)

PERMIT SKETCHES

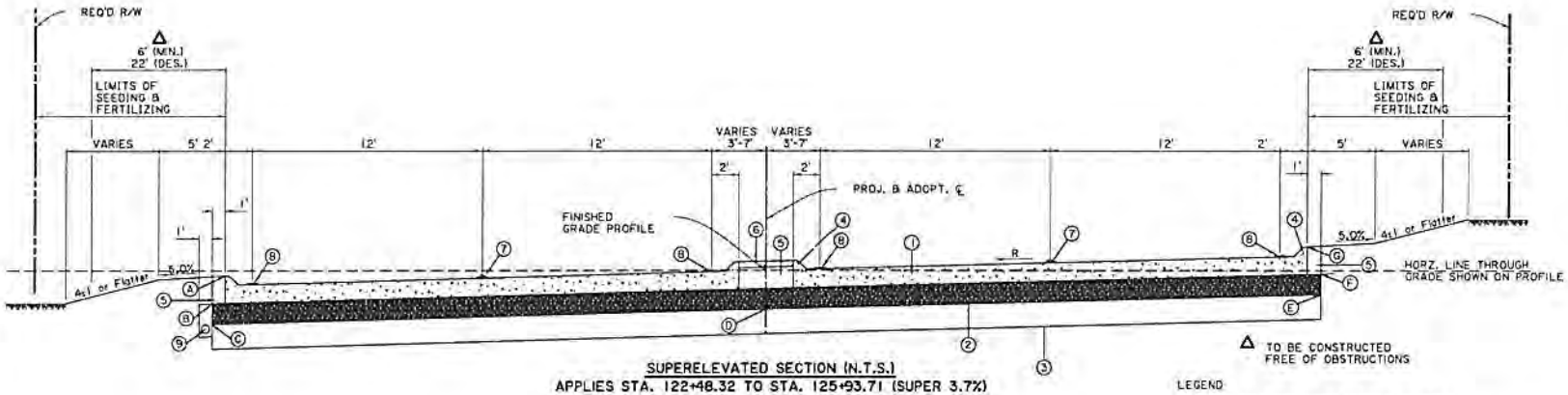
PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	[illegible]

Preliminary Plans
Subject to Change
Road Design

PERMIT SKETCHES

TYPICAL SECTION
PCC PAVEMENT
KANSAS LANE EXTENSION

PARISH: OUACHITA
FEDERAL PROJECT:
STATE PROJECT: H.007289
DRAWN TMB
CHECKED TMB
DETAILED CDF
CHECKED TMB
DATE 11/16
SHEET 2a



SUPERELEVATED SECTION (N.T.S.)

APPLIES STA. 122+48.32 TO STA. 125+93.71 (SUPER 3.7%)
APPLIES STA. 134+60.18 TO STA. 137+00.00 (SUPER 3.7%)

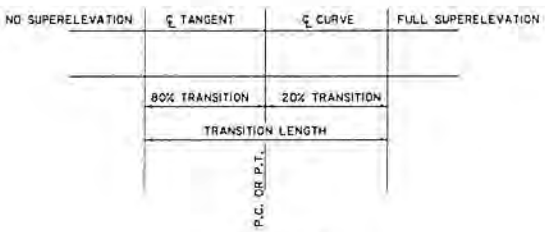
SUPERELEVATION DETAILS (IN FEET) WITH REFERENCE TO HORIZONTAL LINE THROUGH GRADE SHOWN ON PROFILE

RADIUS	R	A	B	C	D	E	F	G	TRANSITION LENGTH
-	NC	-0.49	-1.69	-2.52	-1.67	-2.52	-1.69	-0.49	NA
1000'	3.70%	-0.89	-2.09	-2.93	-1.67	-0.41	-0.08	1.55	210

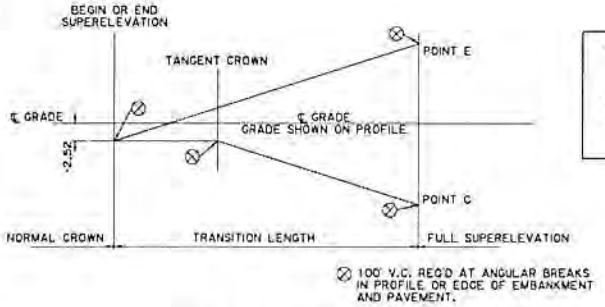
DIMENSIONS BASED ON 48' ROADWAY & 14' MEDIAN

LEGEND

1. 10 IN. PORTLAND CEMENT CONCRETE PAVEMENT
2. 10 IN. CLASS 1) BASE COURSE (STONE OR RECYCLED P.C.C.)
3. 12 IN. SUBGRADE LAYER (TREATED) (USE AS DIRECTED BY PROJ. ENG.)
4. INTEGRAL CONCRETE CURB (MOUNTABLE)(BARRIER IN TURNOUTS)
5. EMBANKMENT
6. 6 IN. INCIDENTAL CONCRETE (W/RED PIGMENT)
7. PAVEMENT STRIPING & REFLECTORIZED MARKERS
8. PAVEMENT STRIPING
9. 4" PERFORATED PIPE UNDERDRAIN (TO BE TIED INTO SUBSURFACE DRAINAGE SYSTEM)



PLAN OF RUNOFF



⊘ 100' V.C. REQ'D AT ANGULAR BREAKS IN PROFILE OR EDGE OF EMBANKMENT AND PAVEMENT.

DIAGRAM OF SUPERELEVATION
(NOT TO SCALE)

PERMIT SKETCHES

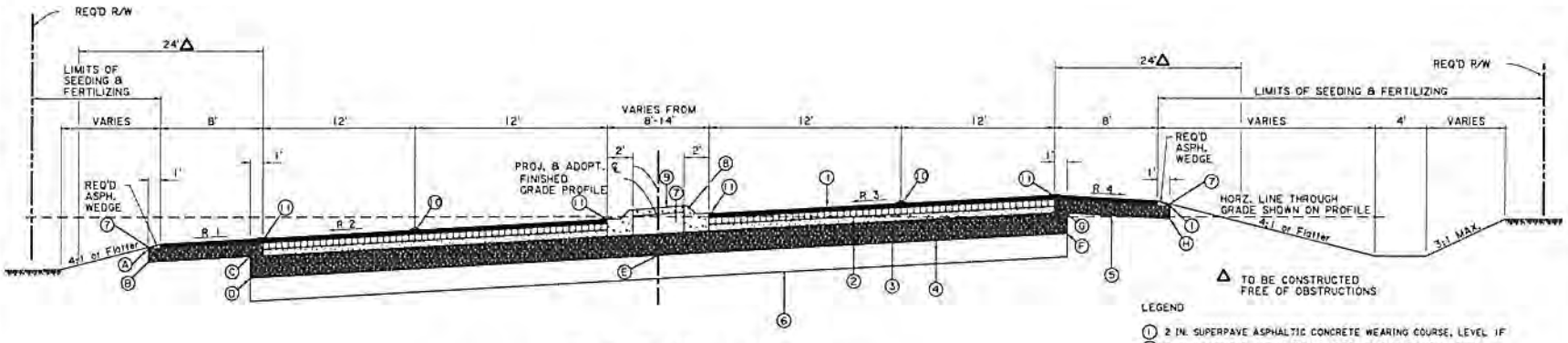
PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	ENGINEER: THOMAS W. BOUSQUET DESIGN #: 19290 DATE: 5/24/2017

Preliminary Plans
Subject to Change
Road Design

PERMIT SKETCHES

TYPICAL SECTION WITH 8' RAISED MEDIAN
PCC PAVEMENT
KANSAS LANE EXTENSION

SHEET NUMBER 2h
PARISH OUACHITA
FEDERAL PROJECT
STATE PROJECT H.007289
DESIGNED TMB
CHECKED TMB
DETAILED CDF
CHECKED TMB
DATE 11/16
SHEET
NO. DATE REVISION



LEGEND

1. 2 IN. SUPERPAVE ASPHALTIC CONCRETE WEARING COURSE, LEVEL 1F
2. 3 IN. SUPERPAVE ASPHALTIC CONCRETE BINDER COURSE, LEVEL 1
3. 3 IN. SUPERPAVE ASPHALTIC CONCRETE BASE COURSE, LEVEL 1
4. 10 IN. CLASS II BASE COURSE (STONE OR RECYCLED P.C.C.)
5. 6 IN. CLASS II BASE COURSE (STONE OR RECYCLED P.C.C.)
6. 12 IN. SUBGRADE LAYER (TREATED) (USE AS DIRECTED BY PROJ. ENG.)
7. EMBANKMENT
8. COMBINATION CURB & GUTTER (MOUNTABLE)
9. 6 IN. INCIDENTAL CONCRETE (W/RED PIGMENT)
10. PAVEMENT STRIPING & REFLECTORIZED MARKERS
11. PAVEMENT STRIPING

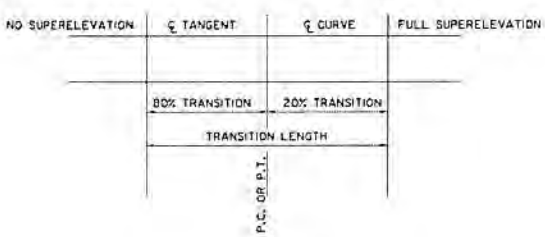
SUPERELEVATED SECTION (N.T.S.)

APPLIES STA. 137+00.00 TO STA. 138+14.00 (SUPER 3.7%)
APPLIES STA. 170+26.00 TO STA. 182+15.00 (SUPER 3.7%)
APPLIES STA. 199+05.00 TO STA. 205+31.35 (SUPER 2.9%)
APPLIES STA. 216+77.62 TO STA. 227+30.00 (SUPER 3.2%)

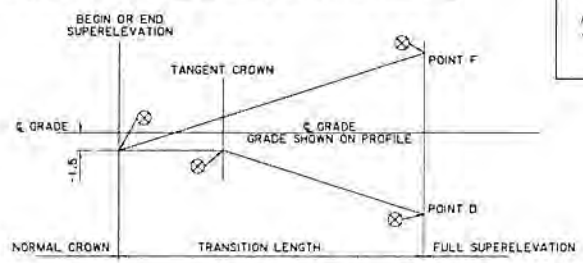
SUPERELEVATION DETAILS (IN FEET) WITH REFERENCE TO HORIZONTAL LINE THROUGH GRADE SHOWN ON PROFILE

RADIUS	R 1	R 2	R 3	R 4	A	B	C	D	E	F	G	H	I	TRANSITION LENGTH
-	NC	NC	NC	NC	-1.42	-1.89	-1.49	-2.30	-1.50	-2.30	-1.49	-1.89	-1.42	NA
1000'	5.00%	3.70%	3.70%	-3.30%	-1.69	-2.15	-1.75	-2.57	-1.50	-0.43	0.34	0.07	0.52	210
1500'	5.00%	3.20%	3.20%	-3.80%	-1.64	-2.11	-1.71	-2.52	-1.50	-0.48	0.29	-0.02	0.44	190
2000'	5.00%	2.90%	2.90%	-4.10%	-1.46	-1.93	-1.53	-2.34	-1.50	-0.65	0.12	-0.21	0.25	180

DIMENSIONS BASED ON 48' ROADWAY & 8' MEDIAN



PLAN OF RUNOFF



⊗ 100' V.C. REQ'D AT ANGULAR BREAKS IN PROFILE OR EDGE OF EMBANKMENT AND PAVEMENT.

DIAGRAM OF SUPERELEVATION
(NOT TO SCALE)

PERMIT SKETCHES

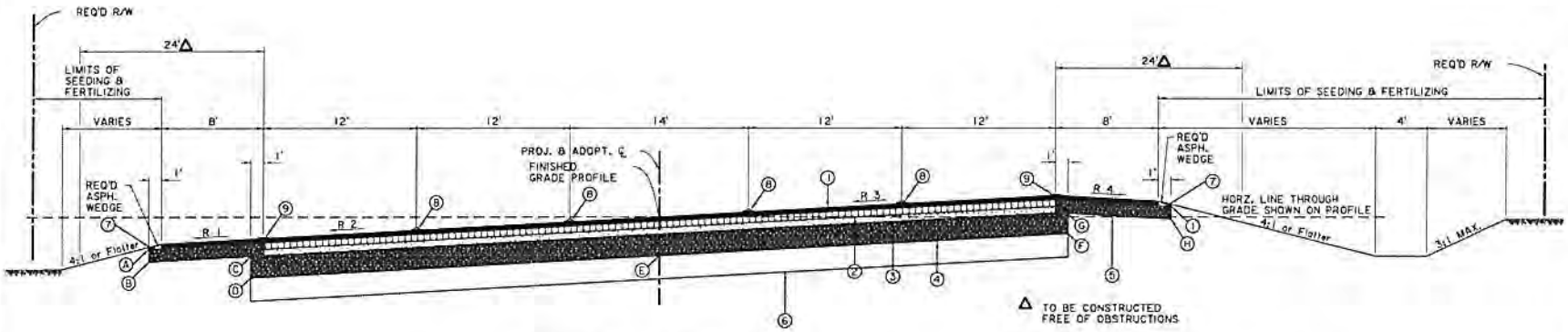
PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	ENGINEER THOMAS R. BOUSQUET (STATE # 29141) DATE 12-14-2017

Preliminary Plans
Subject to Change
Road Design

TYPICAL SECTION WITH 8' RAISED MEDIAN
ASPHALTIC CONCRETE PAVEMENT
KANSAS LANE EXTENSION

OUACHITA | H.007289 | 21

PERMIT SKETCHES



SUPERELEVATED SECTION (N.T.S.)
APPLIES STA. 205+31.35 TO STA. 210+25.00 (SUPER 2.9%)
APPLIES STA. 213+10.00 TO STA. 216+77.62 (SUPER 3.2%)

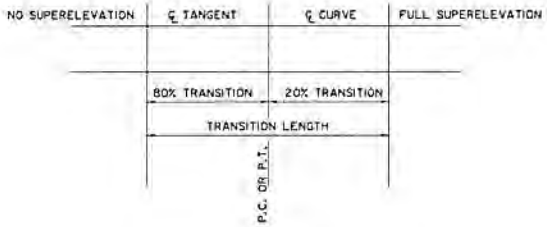
LEGEND

1. 2 IN. SUPERPAVE ASPHALTIC CONCRETE WEARING COURSE, LEVEL 1F
2. 3 IN. SUPERPAVE ASPHALTIC CONCRETE BINDER COURSE, LEVEL 1
3. 3 IN. SUPERPAVE ASPHALTIC CONCRETE BASE COURSE, LEVEL 1
4. 10 IN. CLASS II BASE COURSE (STONE OR RECYCLED P.C.C.)
5. 6 IN. CLASS II BASE COURSE (STONE OR RECYCLED P.C.C.)
6. 12 IN. SUBGRADE LAYER (TREATED) (USE AS DIRECTED BY PROJ. ENG.)
7. EMBANKMENT
8. PAVEMENT STRIPING & REFLECTORIZED MARKERS
9. PAVEMENT STRIPING

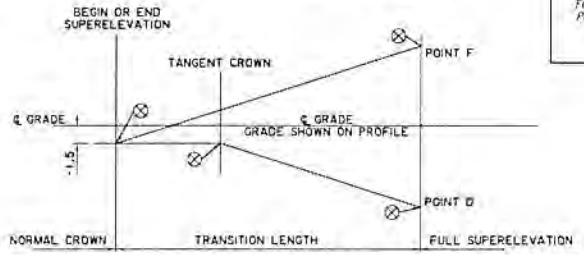
SUPERELEVATION DETAILS (IN FEET) WITH REFERENCE TO HORIZONTAL LINE THROUGH GRADE SHOWN ON PROFILE

RADIUS	R 1	R 2	R 3	R 4	A	B	C	D	E	F	G	H	I	TRANSITION LENGTH
-	NC	NC	NC	NC	-1.42	-1.89	-1.49	-2.30	-1.50	-2.30	-1.49	-1.89	-1.42	NA
1500'	5.00%	3.20%	3.20%	-3.80%	-1.74	-2.20	-1.80	-2.62	-1.50	-0.38	0.38	0.08	0.53	190
2000'	5.00%	2.90%	2.90%	-4.10%	-1.64	-2.10	-1.70	-2.52	-1.50	-0.48	0.28	-0.05	0.41	180

DIMENSIONS BASED ON 48' ROADWAY



PLAN OF RUNOFF



⊗ 100' V.C. REQ'D AT ANGULAR BREAKS IN PROFILE OR EDGE OF EMBANKMENT AND PAVEMENT.

DIAGRAM OF SUPERELEVATION
(NOT TO SCALE)

PERMIT SKETCHES

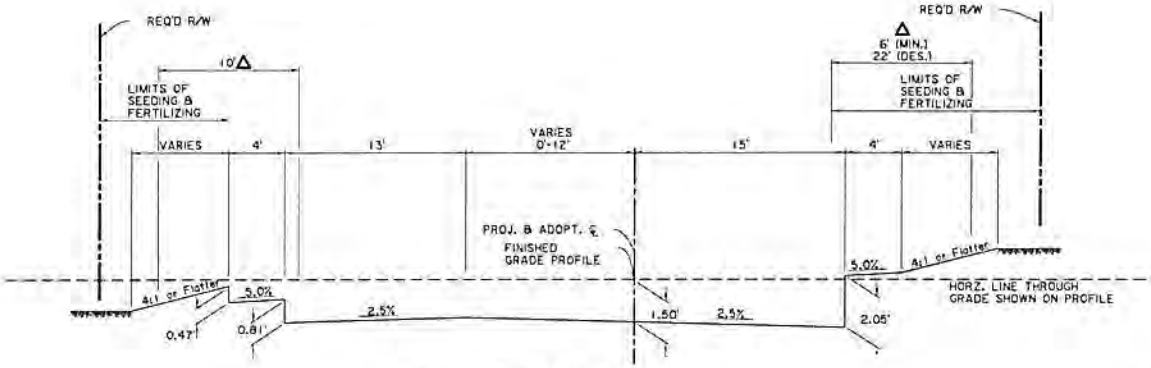
PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	[illegible]

Preliminary Plans
Subject to Change
Road Design

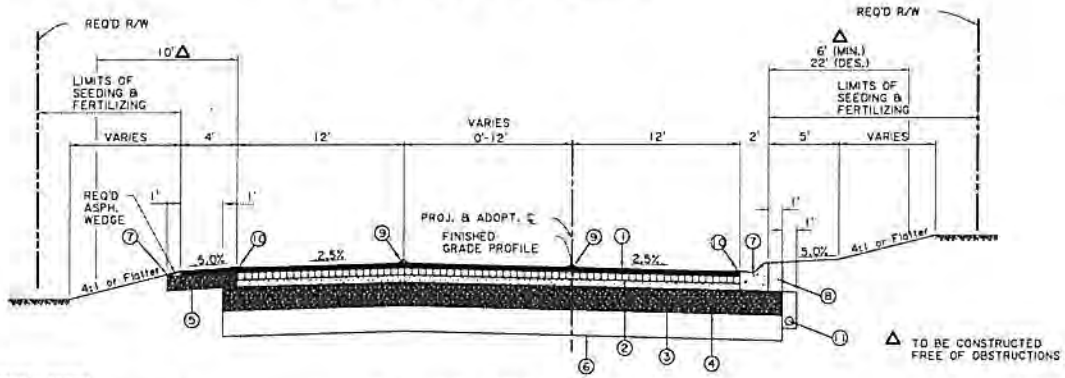
PERMIT SKETCHES

TYPICAL SECTION
ASPHALTIC CONCRETE PAVEMENT
KANSAS LANE EXTENSION

SHEET NUMBER 2
PARISH OUACHITA
FEDERAL PROJECT
STATE PROJECT H.007289
DRAWING TMB
CHECKED TMB
DETAILED CDF
CHECKED TMB
DATE 11/16



TYPICAL GRADING SECTION (N.T.S.)
APPLIES STA. 300+12.77 TO STA. 303+27.77



TYPICAL FINISHED SECTION (N.T.S.)
APPLIES STA. 300+12.77 TO STA. 303+27.77

FLEXIBLE STRUCTURAL DESIGN

CURRENT ADT	= 4,430
MEDIUM ADT	= 7,745
DESIGN ADT	= 11,060
PERFORMANCE PERIOD (YEARS)	= 20
18 Kip ESALS	= 1,120.24
ESALS OVER DESIGN LIFE (W18)	= 8,177,760.03
SOIL RESILIENT MODULUS (PSI)	= 10,000
STRUCTURAL NO. REQUIRED (INCHES)	= 4.6
STRUCTURAL NO. PROVIDED (INCHES PER LAYER)	
1 - WEARING COURSE, SUPERPAVE	= 0.88
2 - BINDER COURSE, SUPERPAVE	= 1.32
3 - BASE COURSE, SUPERPAVE	= 0.99
4 - BASE COURSE, IN-PLACE CEMENT TREATED	= 1.40
STRUCTURAL NO. PROVIDED (TOTAL INCHES)	= 4.59

LEGEND

1. 2 IN. SUPERPAVE ASPHALTIC CONCRETE WEARING COURSE, LEVEL 1F
2. 3 IN. SUPERPAVE ASPHALTIC CONCRETE BINDER COURSE, LEVEL 1
3. 3 IN. SUPERPAVE ASPHALTIC CONCRETE BASE COURSE, LEVEL 1
4. 10 IN. CLASS II BASE COURSE (STONE OR RECYCLED P.C.C.)
5. 6 IN. CLASS II BASE COURSE (STONE OR RECYCLED P.C.C.)
6. 12 IN. SUBGRADE LAYER (TREATED) (USE AS DIRECTED BY PROJ. ENGR.)
7. CONCRETE CURB & GUTTER (MOUNTABLE/BARRIER IN TURNOUT)
8. EMBANKMENT
9. PAVEMENT STRIPING & REFLECTORIZED MARKERS
10. PAVEMENT STRIPING
11. 4" PERFORATED PIPE UNDERDRAIN (TO BE TIED INTO SUBSURFACE DRAINAGE SYSTEM)

Preliminary Plans
Subject to Change
Road Design

PERMIT SKETCHES

PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	[illegible]

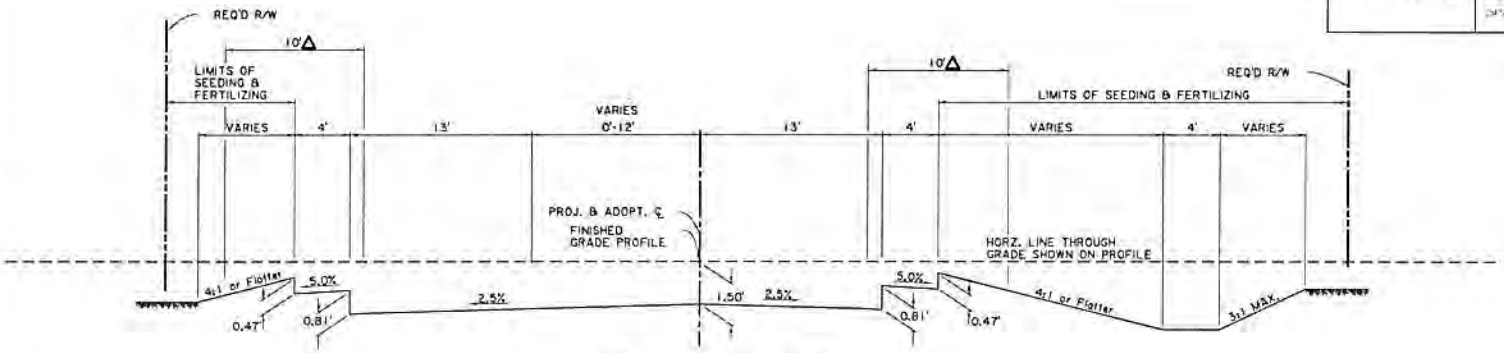
PERMIT SKETCHES

SHEET NUMBER 2k
PARISH OUACHITA
FEDERAL PROJECT
STATE PROJECT H.007289
DESIGNED TMS
CHECKED TMS
DETAILED CDF
SUPERVISED TMS
DATE 11/16
DATE
NO.

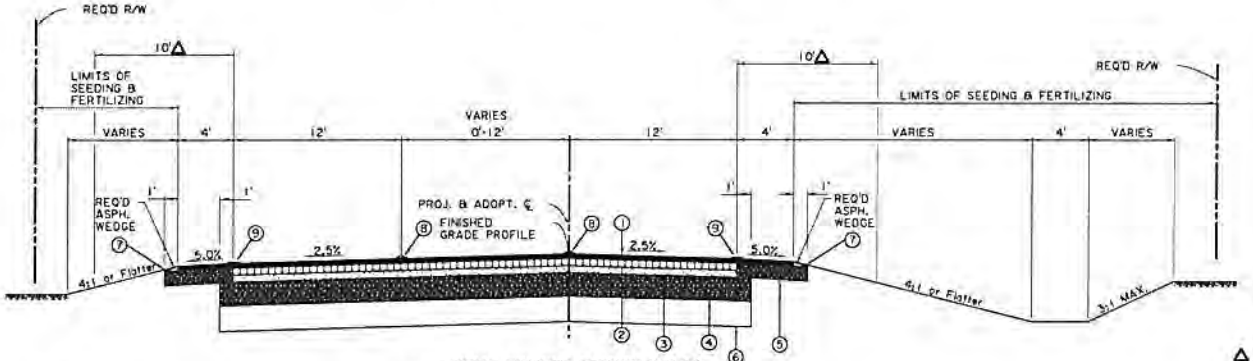
TYPICAL SECTION
OLD STERLINGTON ROAD
ASPHALTIC CONCRETE PAVEMENT
KANSAS LANE EXTENSION

PERMIT SKETCHES

PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	ENGINEER: THOMAS H. SPARROW LICENSE #: 19181 DATE: 10/4/2017



TYPICAL GRADING SECTION (N.T.S.)
APPLIES STA. 304+39.67 TO STA. 311+20.96



TYPICAL FINISHED SECTION (N.T.S.)
APPLIES STA. 304+39.67 TO STA. 311+20.96

△ TO BE CONSTRUCTED FREE OF OBSTRUCTIONS

FLEXIBLE STRUCTURAL DESIGN

CURRENT ADT	= 4,430
MEDIUM ADT	= 7,745
DESIGN ADT	= 11,060
PERFORMANCE PERIOD (YEARS)	= 20
18 Kip ESALS	= 1,120.24
ESALS OVER DESIGN LIFE (W18)	= 8,177,760.03
SOIL RESILIENT MODULUS (PSI)	= 10,000
STRUCTURAL NO. REQUIRED (INCHES)	= 4.6
STRUCTURAL NO. PROVIDED (INCHES PER LAYER)	
1 - WEARING COURSE, SUPERPAVE	= 0.88
2 - BINDER COURSE, SUPERPAVE	= 1.32
3 - BASE COURSE, SUPERPAVE	= 0.99
4 - BASE COURSE, IN-PLACE CEMENT TREATED	= 1.40
STRUCTURAL NO. PROVIDED (TOTAL INCHES)	= 4.59

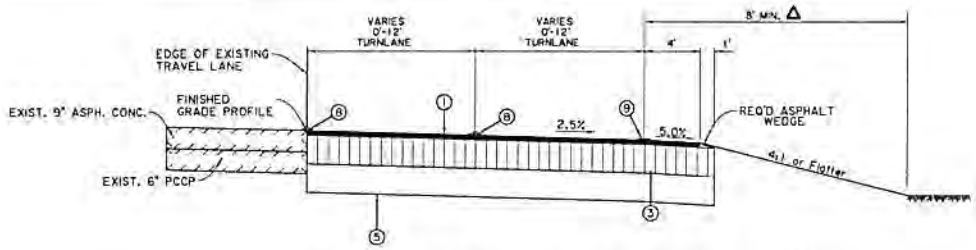
LEGEND

1. 2 IN. SUPERPAVE ASPHALTIC CONCRETE WEARING COURSE, LEVEL 1F
2. 3 IN. SUPERPAVE ASPHALTIC CONCRETE BINDER COURSE, LEVEL 1
3. 3 IN. SUPERPAVE ASPHALTIC CONCRETE BASE COURSE, LEVEL 1
4. 10 IN. CLASS II BASE COURSE (STONE OR RECYCLED P.C.C.)
5. 6 IN. CLASS II BASE COURSE (STONE OR RECYCLED P.C.C.)
6. 12 IN. SUBGRADE LAYER (TREATED) (USE AS DIRECTED BY PROJ. ENGR.)
7. EMBANKMENT
8. PAVEMENT STRIPING & REFLECTORIZED MARKERS
9. PAVEMENT STRIPING

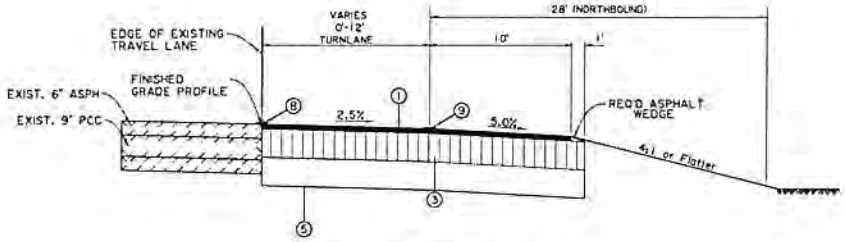
Preliminary Plans
Subject to Change
Road Design

PERMIT SKETCHES

SHEET NUMBER 21
PARISH OUACHITA
FEDERAL PROJECT
STATE PROJECT H.007289
DESIGNED TMB
CHECKED TMB
DETAILED CDF
CHECKED TMB
DATE 11/16
TYPICAL SECTION
OLD STERLINGTON ROAD
ASPHALTIC CONCRETE PAVEMENT
KANSAS LANE EXTENSION



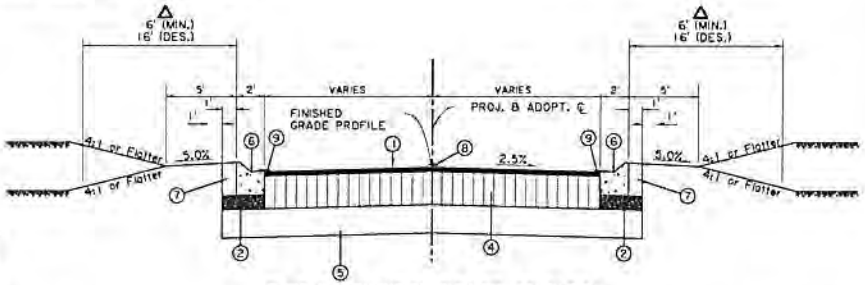
TYPICAL TURNLANE SECTION (US. 165) (N.T.S.)
APPLIES STA. 508+01.35 TO STA. 519+46.49 (SOUTHBOUND)



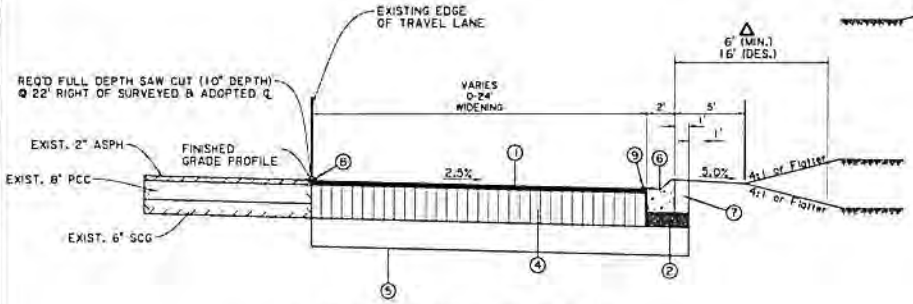
TYPICAL TURNLANE SECTION (US. 165) (N.T.S.)
APPLIES STA. 502+35.50 TO STA. 506+80.50 RT. (NORTHBOUND)

PERMIT SKETCHES

PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	PREPARED BY: THOMAS W. BOVETTE TERRACE A. TRUST DATE: [illegible]



TYPICAL TURNOUT SECTION (US. 80) (N.T.S.)
FOR TURNOUTS OFF US. 80



TYPICAL WIDENING SECTION (US. 80) (N.T.S.)
APPLIES STA. 388+26.47 TO STA. 416+21.46
SAME APPLIES STA. 400+82.92 TO STA. 407+03.23 (OPPOSITE HAND)

△ TO BE CONSTRUCTED FREE OF OBSTRUCTIONS

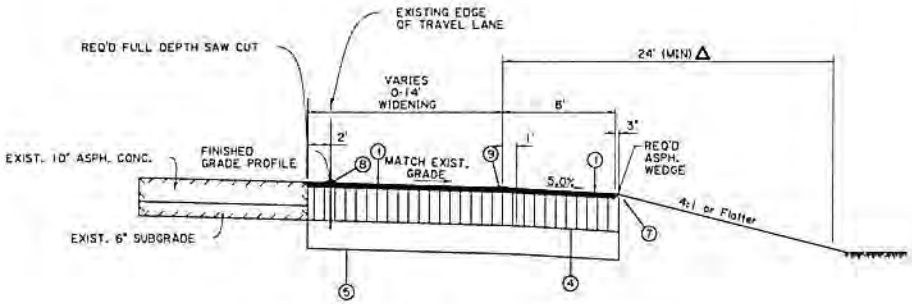
LEGEND

1. 2 IN. SUPERPAVE ASPHALTIC CONCRETE WEARING COURSE, LEVEL 1F
2. 6 IN. CLASS II BASE COURSE (STONE OR RECYCLED P.C.C.)
3. 12 IN. ASPHALTIC CONCRETE BASE COURSE
4. 14 IN. ASPHALTIC CONCRETE
5. 12 IN. SUBGRADE LAYER (TREATED) (USE AS DIRECTED BY PROJ. ENG.)
6. CONCRETE CURB & GUTTER (MON
7. EMBANKMENT
8. PAVEMENT STRIPING & REFLECT
9. PAVEMENT STRIPING
10. 4" PERFORATED PIPE UNDERDRAIN (TO BE TIED INTO SUBSURFACE DRAINAGE SYSTEM)

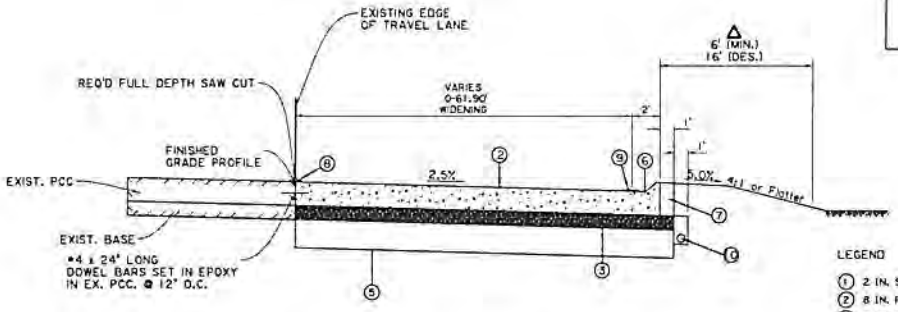
Preliminary Plans Subject to Change
Road Design

PERMIT SKETCHES

SHEET NUMBER 2m
QUACHITA
FEDERAL PROJECT
STATE PROJECT H.007289
DESIGNED TMB
DRAWN TMB
DETAILED CDF
CHECKED TMB
DATE 11/16
REVISIONS
NO. DATE
TYPICAL SECTION
MISC. SECTIONS
KANSAS LANE EXTENSION
DOTD



TYPICAL TURNLANE SECTION (FORSYTHE EXT.) (N.T.S.)
APPLIES STA. 786+64.25 TO STA. 799+53.54



TYPICAL WIDENING SECTION (KANSAS LANE) (N.T.S.)
APPLIES STA. 85+90.04 TO STA. 99+54.02

PERMIT SKETCHES

PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	[illegible]

Δ TO BE CONSTRUCTED FREE OF OBSTRUCTIONS

LEGEND

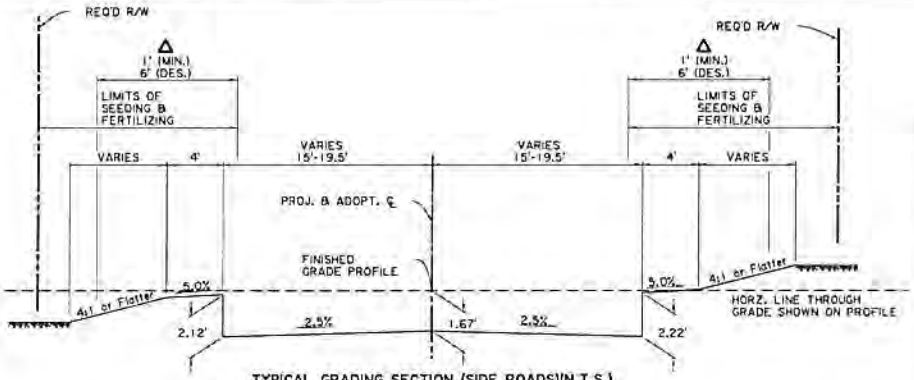
1. 2 IN. SUPERPAVE ASPHALTIC CONCRETE WEARING COURSE, LEVEL 1F
2. 8 IN. PORTLAND CEMENT CONCRETE PAVEMENT
3. 6 IN. CLASS II BASE COURSE (STONE OR RECYCLED P.C.C.)
4. 14" ASPHALTIC CONCRETE BASE COURSE, LEVEL 1
5. 12 IN. SUBGRADE LAYER (TREATED) (USE AS DIRECTED BY PROJ. ENG.)
6. INTEGRAL CONCRETE CURB (MOUNTABLE)(BARRIER IN TURNOUTS)
7. EMBANKMENT
8. PAVEMENT STRIPING & REFLECTORIZED MARKERS
9. PAVEMENT STRIPING
10. 4" PERFORATED PIPE UNDERDRAIN (TO BE TIED INTO SUBSURFACE DRAINAGE SYSTEM)

Preliminary Plans
Subject to Change
Road Design

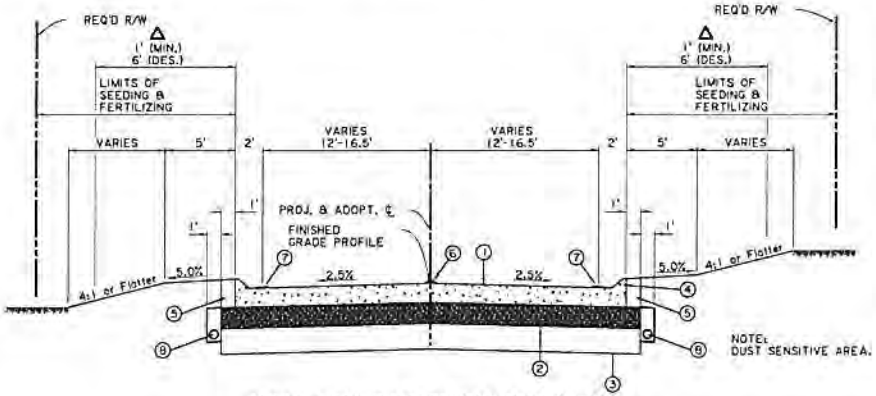
TYPICAL SECTION
MISC. SECTIONS
KANSAS LANE EXTENSION

PARISH: OUACHITA
FEDERAL PROJECT:
STATE PROJECT: H.007289
DESIGNED: TJB
DETAILED: TJB
CHECKED: COF
SUPERVISED: TMB
DATE: 11/16
SHEET:
SECT. NUMBER: 2F

PERMIT SKETCHES



TYPICAL GRADING SECTION (SIDE ROADS)(N.T.S.)
BON AIRE LEFT APPLIES STA. 7+98.43 TO STA. 9+73.00
BON AIRE RIGHT APPLIES STA. 10+36.69 TO STA. 12+35.00
BAY OAKS RIGHT APPLIES STA. 10+31.00 TO STA. 12+48.74
BON AIRE LEFT APPLIES STA. 5+79.18 TO STA. 9+69.00
BON AIRE LEFT TURNOUT APPLIES STA. 10+15.80 TO STA. 12+31.26

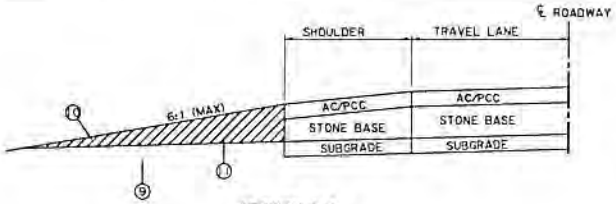


TYPICAL FINISHED SECTION (SIDE ROADS)(N.T.S.)
BON AIRE LEFT APPLIES STA. 7+98.43 TO STA. 9+73.00
BON AIRE RIGHT APPLIES STA. 10+36.69 TO STA. 12+35.00
BAY OAKS RIGHT APPLIES STA. 10+31.00 TO STA. 12+48.74
BON AIRE LEFT APPLIES STA. 5+79.18 TO STA. 9+69.00
BON AIRE LEFT TURNOUT APPLIES STA. 10+00.00 TO STA. 12+31.26

RIGID STRUCTURAL DESIGN

CURRENT ADT	= N/A
MEDIUM ADT	= N/A
DESIGN ADT	= 27,300
PERFORMANCE PERIOD (YEARS)	= 20
18 Kip ESALS	= 1,464,85
ESALS OVER DESIGN LIFE	= 10,694,500
PCC MODULUS OF RUPTURE (PSI)	= 750
K VALUES (PSI/IN)	= 500
CALCULATED THICKNESS (INCHES)	= 9.7
THICKNESS PROVIDED (INCHES)	= 10

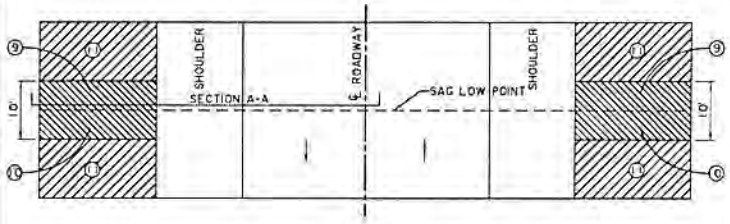
△ TO BE CONSTRUCTED FREE OF OBSTRUCTIONS



SECTION A-A

LEGEND

⑨ CLASS D GEOTEXTILE EXTENDED TO FORESLOPE AT SAG LOCATIONS AND AT EVERY 250' ALONG THE LENGTH OF THE PROJECT. (INCLUDED IN ITEM 203-04-0300)(SEE DETAIL "A")
⑩ NON-PLASTIC EMBANKMENT THICKNESS VARIES (STONE) EXTENDED TO FORESLOPE AT SAG LOCATIONS AND EVERY 250' AT EACH SITE. (SEE DETAIL "A")
⑪ EMBANKMENT (INCLUDED IN ITEM 203-03-0010)



DETAIL "A"

DAYLIGHTING DETAIL
(NOT TO SCALE)

REFER TO SHEET 3d FOR LOCATIONS

LEGEND

① 10 IN. PORTLAND CEMENT CONCRETE PAVEMENT
② 10 IN. CLASS II BASE COURSE (STONE OR RECYCLED P.C.C.)
③ 12 IN. SUBGRADE LAYER (TREATED) (USE AS DIRECTED BY PROJ. ENG.)
④ INTEGRAL CONCRETE CURB (MOUNTABLE/BARRIER IN TURNOUTS)
⑤ EMBANKMENT
⑥ PAVEMENT STRIPING & REFLECTORIZED MARKERS
⑦ PAVEMENT STRIPING
⑧ 4" PERFORATED PIPE UNDERDRAIN (TO BE TIED INTO SUBGRADE)

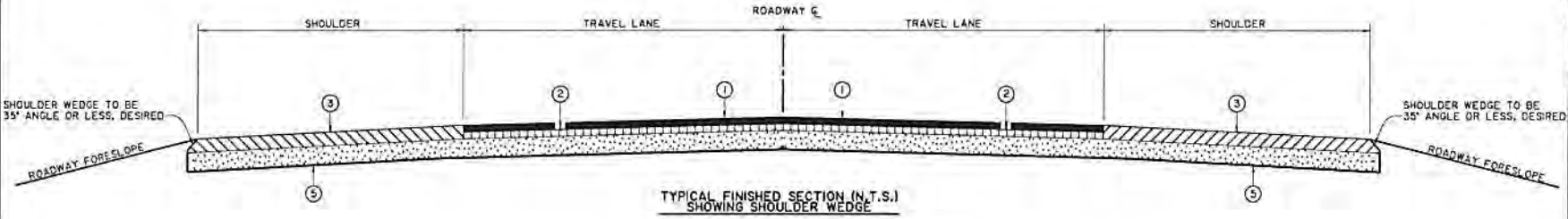
Preliminary Plans
Subject to Change
Road Design

PRELIMINARY
FOR PERMITTING PURPOSES ONLY
Louisiana Department of Transportation and Development
DATE: 11/14/2011

PERMIT SKETCHES

TYPICAL SECTION
PCC PAVEMENT
KANSAS LANE EXTENSION

OUACHITA
H.007289
11/16
2a



TYPICAL FINISHED SECTION (N.T.S.)
SHOWING SHOULDER WEDGE

NOTE:
SEE SHOULDER WEDGE DETAIL (SHT. 201)

SHOULDER WEDGES		
LIFT THICKNESS (INCHES)	BASE WIDTH (INCHES)	TONS PER MILE
1.5	2.14	8.64
2.0	2.86	15.36
2.5	3.57	24.00
3.0	4.28	34.56
3.5	5.00	47.04
4.0	5.71	61.44
4.5	6.43	77.76
5.0	7.14	96.00
5.5	7.85	116.16
6.0	8.57	138.24

QUANTITY SHOWN IS FOR TWO WEDGES, ONE AT EACH SIDE OF ROADWAY

7.20 TONS OF ADDITIONAL SUPERPAVE ASPHALTIC CONCRETE, FOR SHOULDER WEDGES, PAID FOR UNDER ITEM 502-01-00100

SHOULDER WEDGES SHALL BE REQUIRED AT THE OUTSIDE EDGES OF THE PAVED ROADWAY (EDGE OF TRAVEL LANE OR EDGE OF PAVED SHOULDER).

THE MAXIMUM SHOULDER WEDGE HEIGHT SHALL EQUAL 6". IF THE TOTAL ASPHALT THICKNESS IS GREATER THAN 6", THE CONTRACTOR SHALL STAGE CONSTRUCTION BY PULLING UP THE SHOULDERS IN THE LOWER LIFT THEN UTILIZING THE WEDGE IN THE FINAL TWO LIFTS.

THE CONTRACTOR SHALL EQUIP THE PAVER WITH A MECHANICAL DEVICE THAT WILL PRODUCE A WEDGE WITH A UNIFORM TEXTURE, SHAPE, AND DENSITY WHILE AUTOMATICALLY ADJUSTING TO VARYING HEIGHTS ENCOUNTERED ALONG THE SHOULDER.

THE CONTRACTOR SHALL BLADE AND SHAPE EXISTING SHOULDER MATERIAL TO FORM A UNIFORM SURFACE UNDER THE WEDGE PRIOR TO PLACEMENT OF THE ASPHALT COURSES.

SHOULDER WEDGES SHALL BE UTILIZED ON MULTI-LIFT OVERLAYS AND ON SINGLE-LIFT OVERLAYS IF THE LAYER THICKNESS IS GREATER THAN OR EQUAL TO 2".

THE CONTRACTOR MAY CHOOSE NOT TO PLACE THE SHOULDER WEDGE IN THE INITIAL LIFT IF THICKNESS IS LESS THAN OR EQUAL TO 2", BUT SHALL PLACE SHOULDER WEDGE IN SUBSEQUENT LIFTS.

THE SHOULDER WEDGE TO BE 35° ANGLE OR LESS, DESIRED.

LEGEND

1. SUPERPAVE ASPHALTIC CONCRETE, WEARING COURSE
2. SUPERPAVE ASPHALTIC, BINDER COURSE
3. SUPERPAVE ASPHALTIC CONCRETE
4. AGGREGATE SURFACE COURSE
5. BASE COURSE

PERMIT SKETCHES

PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	ENGINEER [illegible] LICENSE # [illegible] DATE [illegible]

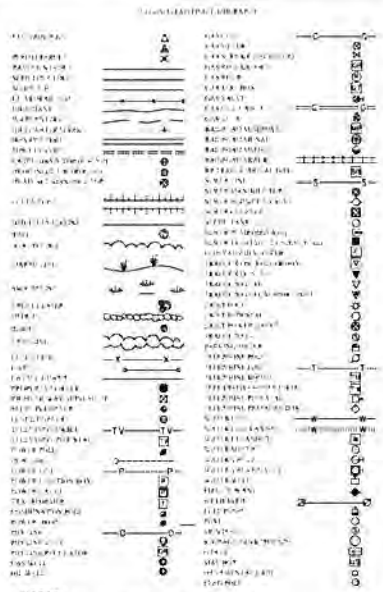
Preliminary Plans
Subject to Change
Road Design

PERMIT SKETCHES

SHEET NUMBER 2p
PARISH OUACHITA
FEDERAL PROJECT
STATE PROJECT H.007289
DRAWN TMB
ENGINEER TMB
DETAILED COF
CHECKED TMB
DATE 11/16
NO. DATE REVISION

TYPICAL SECTION & DETAILS (SHOULDER WEDGE)
KANSAS LANE EXTENSION

PERMIT SKETCHES



NOTES:
ALL EXISTING DRAINAGE STRUCTURES WITHIN LIMITS OF NEW CONSTRUCTION TO BE REMOVED, UNLESS NOTED OTHERWISE.

SUMMARY OF DRAINAGE STRUCTURES AND PIPE TO BE REMOVED (FOR INFORMATION ONLY)

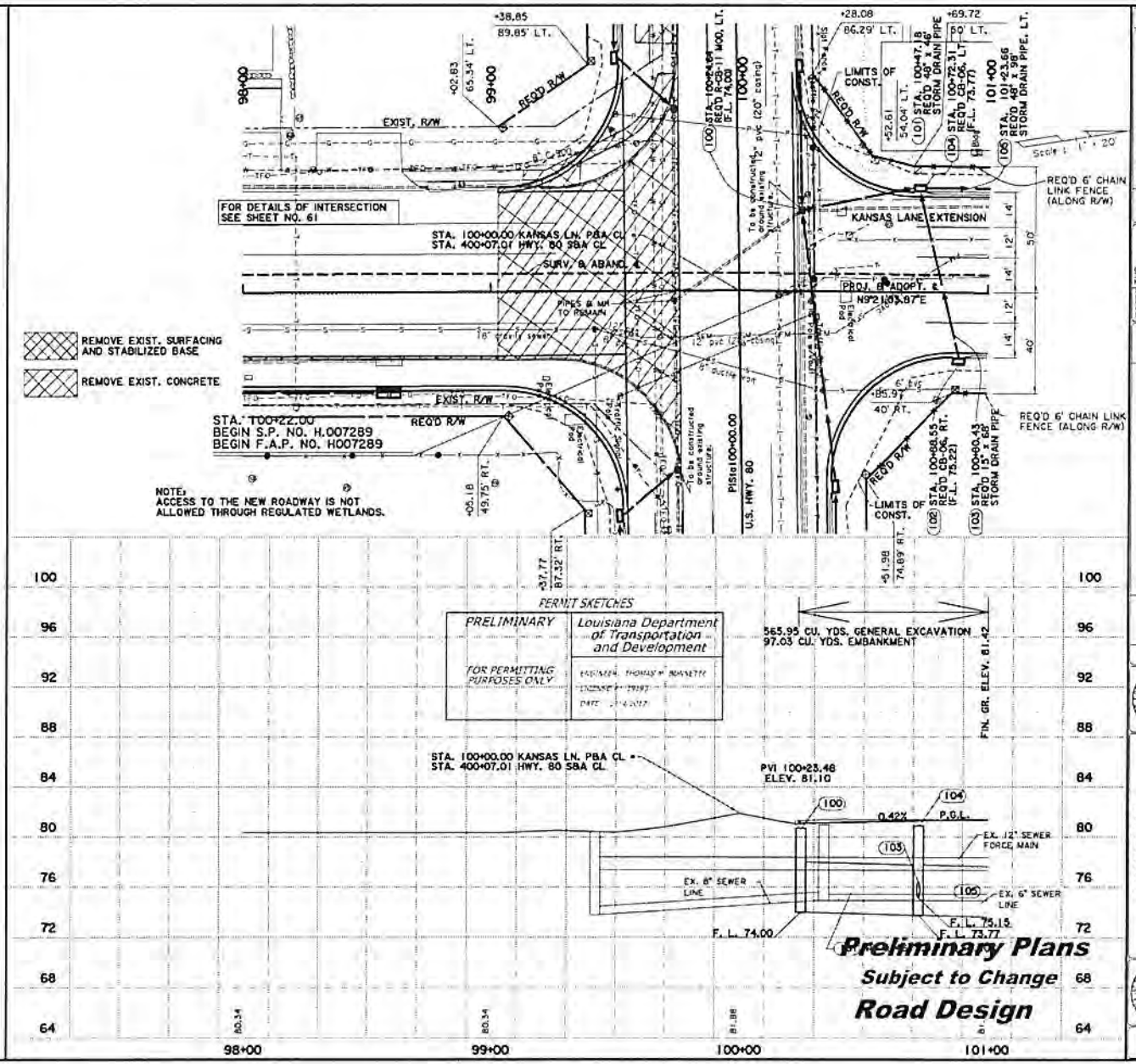
PIPES (DIA.)	PIPE LENGTH
12"	234'
15"	84'
18"	500'
24"	34'
30"	92'
36"	614'
42"	86'

26 CATCH BASINS

LA ONE CALL

UTILITIY COMPANYS

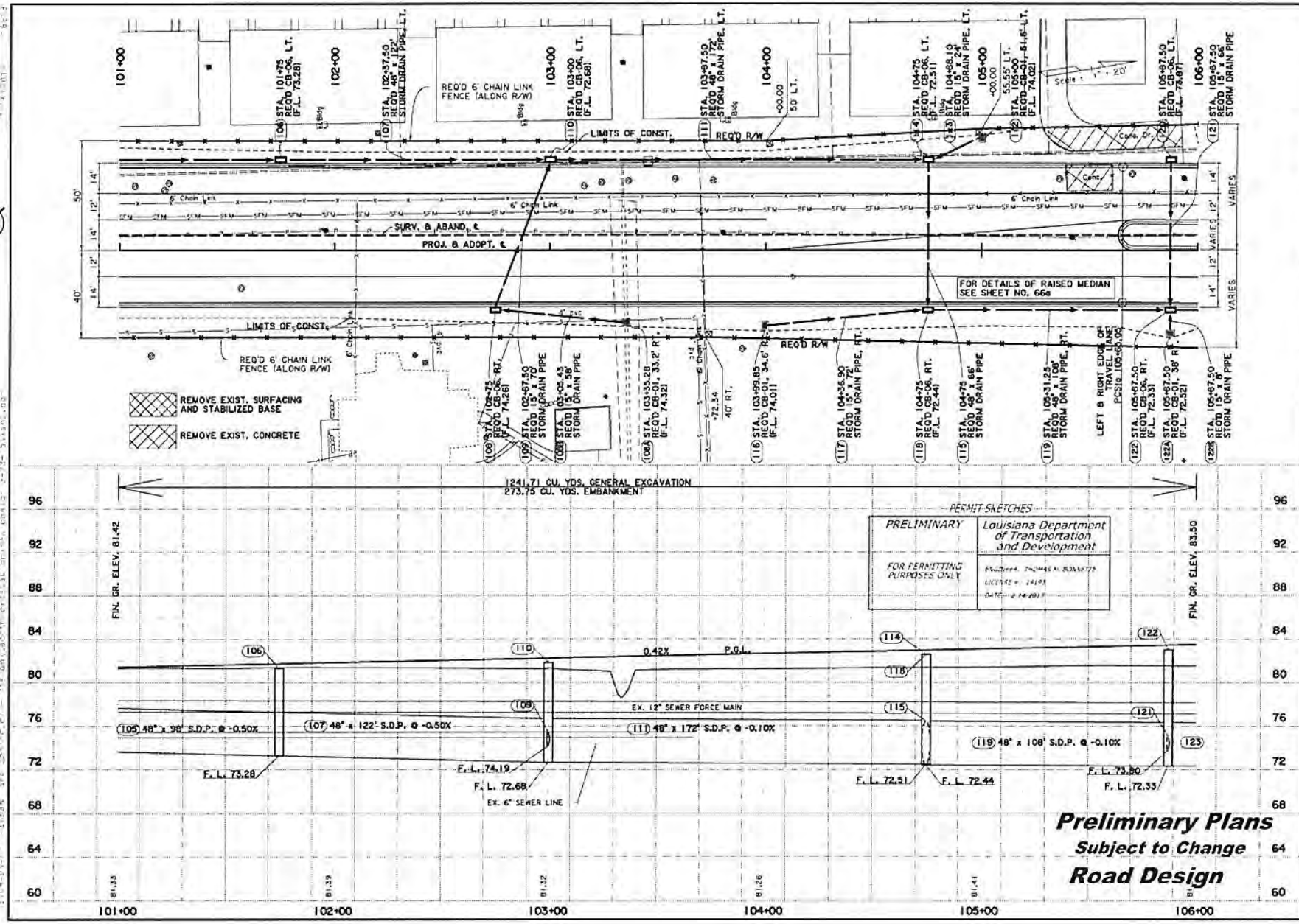
ATMOS (GAS)
AT&T DISTRIBUTIONS
CABLE MANAGMENT ASSOCIATION
CENTURY TELEPHONE
CITY OF MONROE
CoHo LOUISIANA PRODUCTION (GAS)
CROSS TEX LIG
ENTERGY
McLEOD USA (FIBER OPTIC)
TIME WARNER CABLE
TOWN & COUNTRY SERVICE CO.



KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION

OUACHITA
H.007289

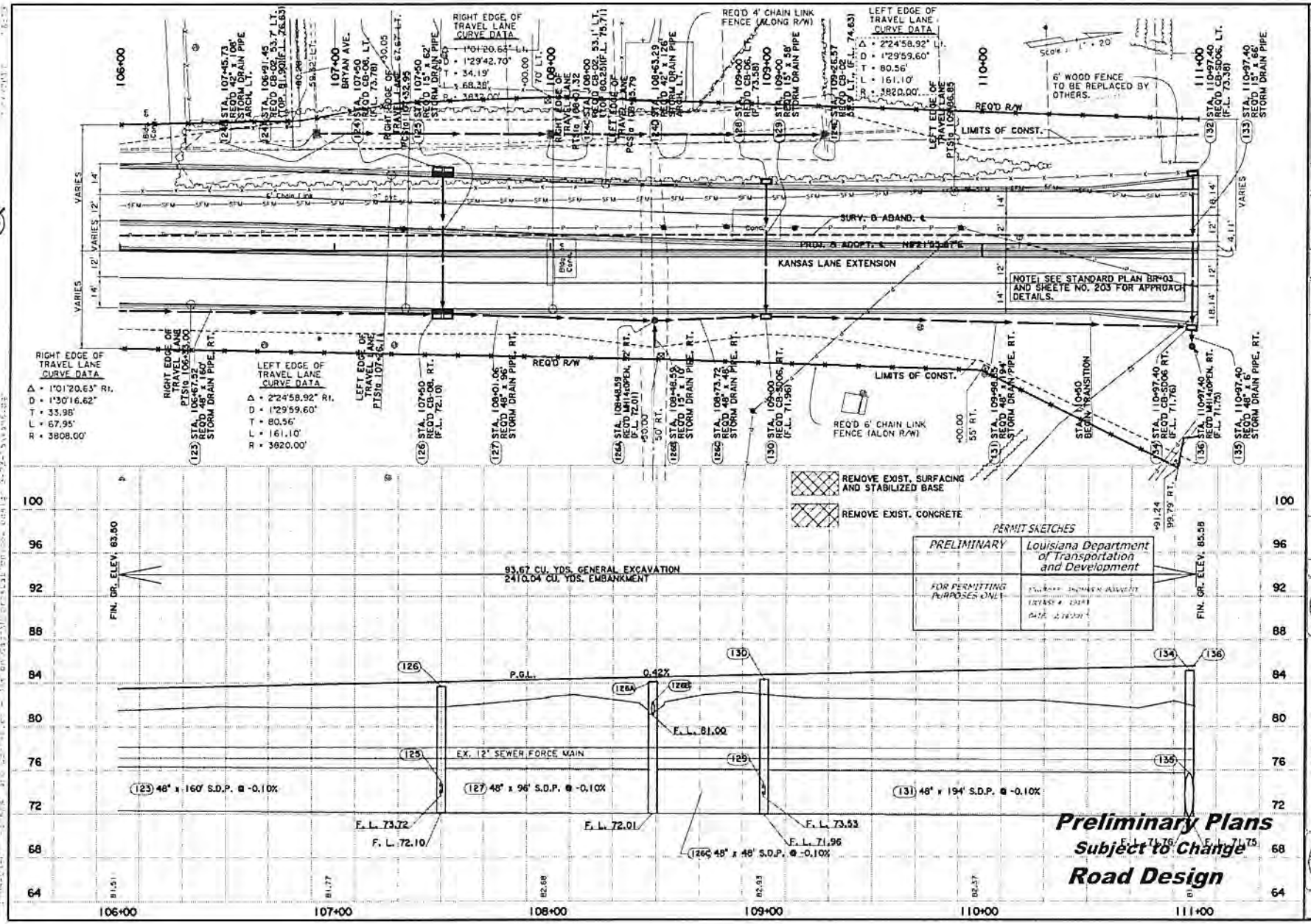
PERMIT SKETCHES



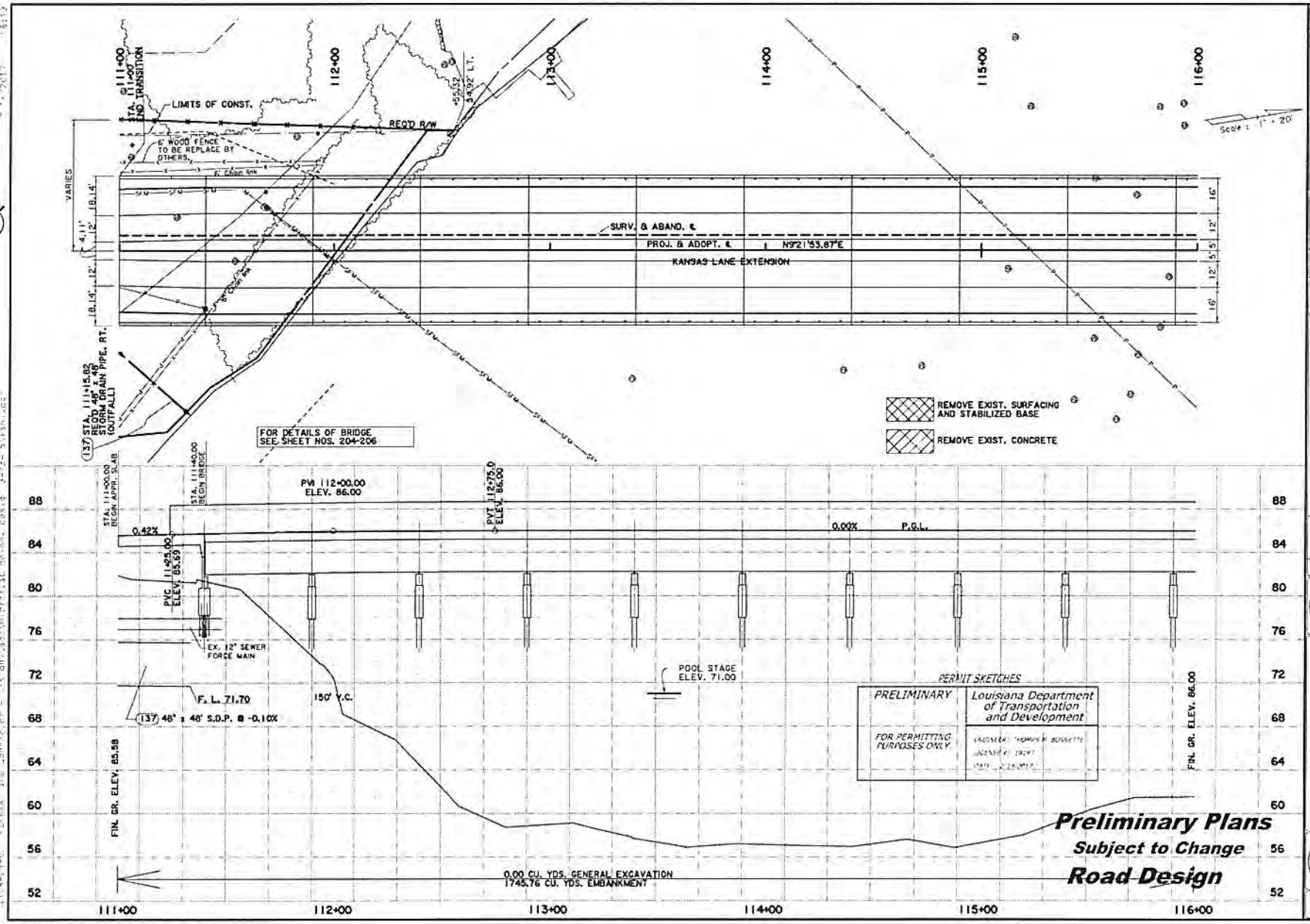
KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION

OUACHITA
H.007289

PERMIT SKETCHES



PERMIT SKETCHES



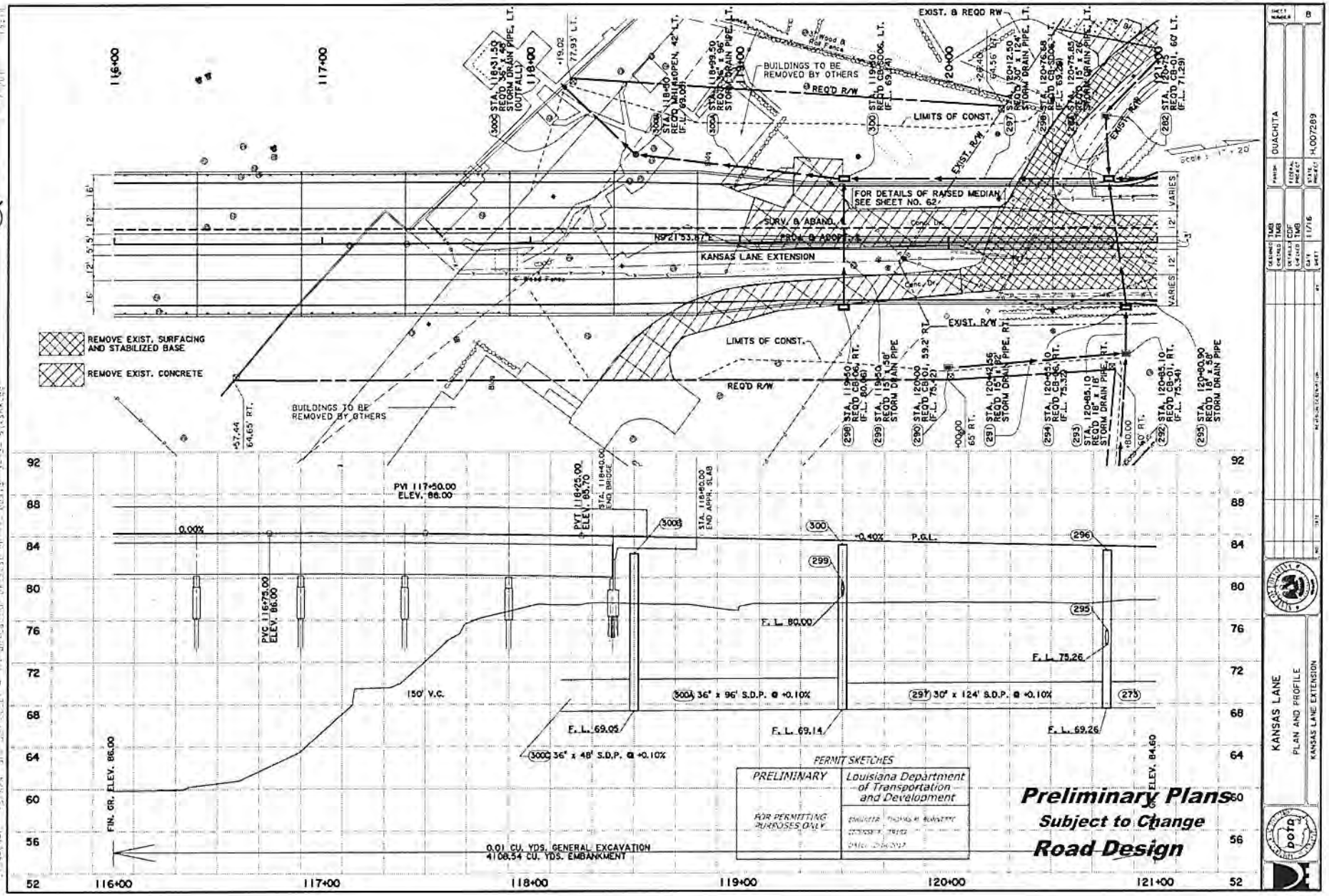
PERMIT SKETCHES

PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	LICENSED PROFESSIONAL ENGINEER LICENSE # DATE

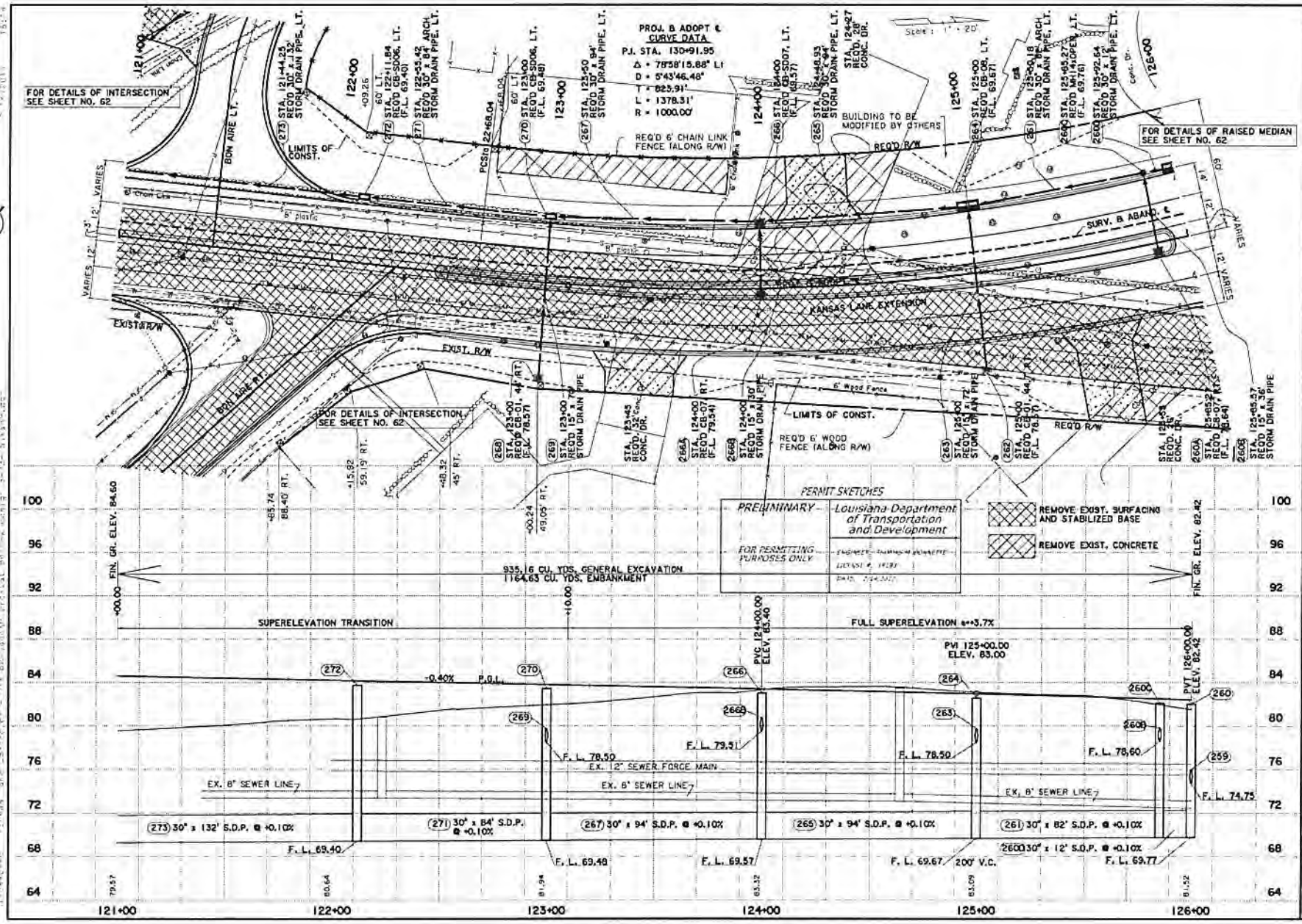
Preliminary Plans
Subject to Change
Road Design

KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION

OUACHITA
H.007289
7


PERMIT SKETCHES
REMOVE EXIST. SURFACING AND STABILIZED BASE
REMOVE EXIST. CONCRETE
BUILDINGS TO BE REMOVED BY OTHERS
REQ'D R/W
EXIST. & REQD RW
LIMITS OF CONST.
EXIST. R/W
FOR DETAILS OF RAISED MEDIAN SEE SHEET NO. 62
SURV. & ABAND.
PROP. & ADOPT.
KANSAS LANE EXTENSION
Conc. Dr.
VARIES
Scale : 1" = 20'
PVI 117+50.00 ELEV. 86.00
PVT 116+25.00 ELEV. 85.70
PVC 116+75.00 ELEV. 86.00
STA. 118+40.00 END BRIDGE
STA. 118+80.00 END APPR. SLAB
0.00%
-0.40%
P.G.L.
F. L. 80.00
F. L. 75.26
F. L. 69.05
F. L. 69.14
F. L. 69.26
150' V.C.
300A 36" x 96' S.D.P. @ +0.10%
297 30" x 124' S.D.P. @ +0.10%
300 36" x 48' S.D.P. @ +0.10%
FIN. GR. ELEV. 86.00
ELEV. 84.60
0.01 CU. YDS. GENERAL EXCAVATION
4108.54 CU. YDS. EMBANKMENT
PERMIT SKETCHES
PRELIMINARY
FOR PERMITTING PURPOSES ONLY
Louisiana Department of Transportation and Development
Preliminary Plans
Subject to Change
Road Design
KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION
OUACHITA
H.007289
11/16

PERMIT SKETCHES



KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION

PARISH	OUACHITA
FEDERAL PROJECT	
STATE PROJECT	H.007289
DESIGNED	TMB
CHECKED	TMB
DRAWN	CDF
CHECKED	TMB
DATE	11/16
SHEET	9

PERMIT SKETCHES

FOR DETAILS OF INTERSECTION SEE SHEET NO. 63

STA. 126+23 REQ'D. 12" CONC. DR.
STA. 126+00 REQ'D. CB-06, LT. (F.L. 69.77)
STA. 126+08.14 REQ'D. 15" x 114' STORM DRAIN PIPE
STA. 126+48.70 REQ'D. 30" x 88' STORM DRAIN PIPE, LT.
STA. 126+94 REQ'D. CB-5006, LT. (F.L. 69.86)
STA. 127+16 REQ'D. 10" CONC. DR.
STA. 127+47.68 REQ'D. 30" x 98' STORM DRAIN PIPE, LT.
STA. 128+00 REQ'D. CB-06, LT. (F.L. 69.96)
STA. 128+50.15 REQ'D. 30" x 94' STORM DRAIN PIPE, LT.
REQ'D DEAD END INSTALLATION (END-OF-ROAD INSTALLATION) (TYPE A)
STA. 129+00 REQ'D. CB-06, LT. (F.L. 70.06)
STA. 129+60.12 REQ'D. 30" x 94' STORM DRAIN PIPE, LT.
STA. 130+00 REQ'D. CB-06, LT. (F.L. 70.16)
STA. 130+50.15 REQ'D. 24" x 94' STORM DRAIN PIPE, LT.

PROJ. & ADOPT ℄ CURVE DATA
P.I. STA. 130+91.95
Δ = 78°58'15.89" Lt
D = 5°43'46.48"
T = 823.91'
L = 1378.31'
R = 1000.00'

SURV. & ABAND. CURVE DATA
P.I. STA. 130+80.14
Δ = 78°58'15.89"
D = 05°43'46.48"
T = 823.91'
L = 1378.31'
R = 1000.00'

REQ'D R/W
EXIST. ℄ REQ'D R/W
LIMITS OF CONST.
SURV. & ABAND. ℄
PROJ. & ADOPT. ℄
KANSAS LANE EXTENSION
BAY OAKS
VARIES 12"
VARIES 14'
REMOVE EXIST. SURFACING AND STABILIZED BASE
REMOVE EXIST. CONCRETE
R = 1090.00'
REQ'D R/W & C OF A
+0.84 91.44' RT.
FIN. GR. ELEV. 82.42
+70.12 83.56' RT. BEGIN C OF A
FIN. GR. ELEV. 79.49
FULL SUPERELEVATION @ +3.7%
-0.58% P.G.L.
EX. 12" SEWER FORCE MAIN
EX. 8" SEWER LINE
F. L. 74.75
(247) 30" x 88' S.D.P. @ +0.10%
(245) 30" x 98' S.D.P. @ +0.10%
(243) 30" x 94' S.D.P. @ +0.10%
(241) 30" x 94' S.D.P. @ +0.10%
(239) 24" x 94' S.D.P. @ +0.10%
F. L. 69.77
F. L. 69.86
F. L. 69.96
F. L. 70.06
F. L. 70.16
F. L. 70.26
408.37 CU. YDS. GENERAL EXCAVATION
5716.81 CU. YDS. EMBANKMENT
126+00
127+00
128+00
129+00
130+00
131+00

PERMIT SKETCHES
PRELIMINARY
FOR PERMITTING PURPOSES ONLY
Louisiana Department of Transportation and Development

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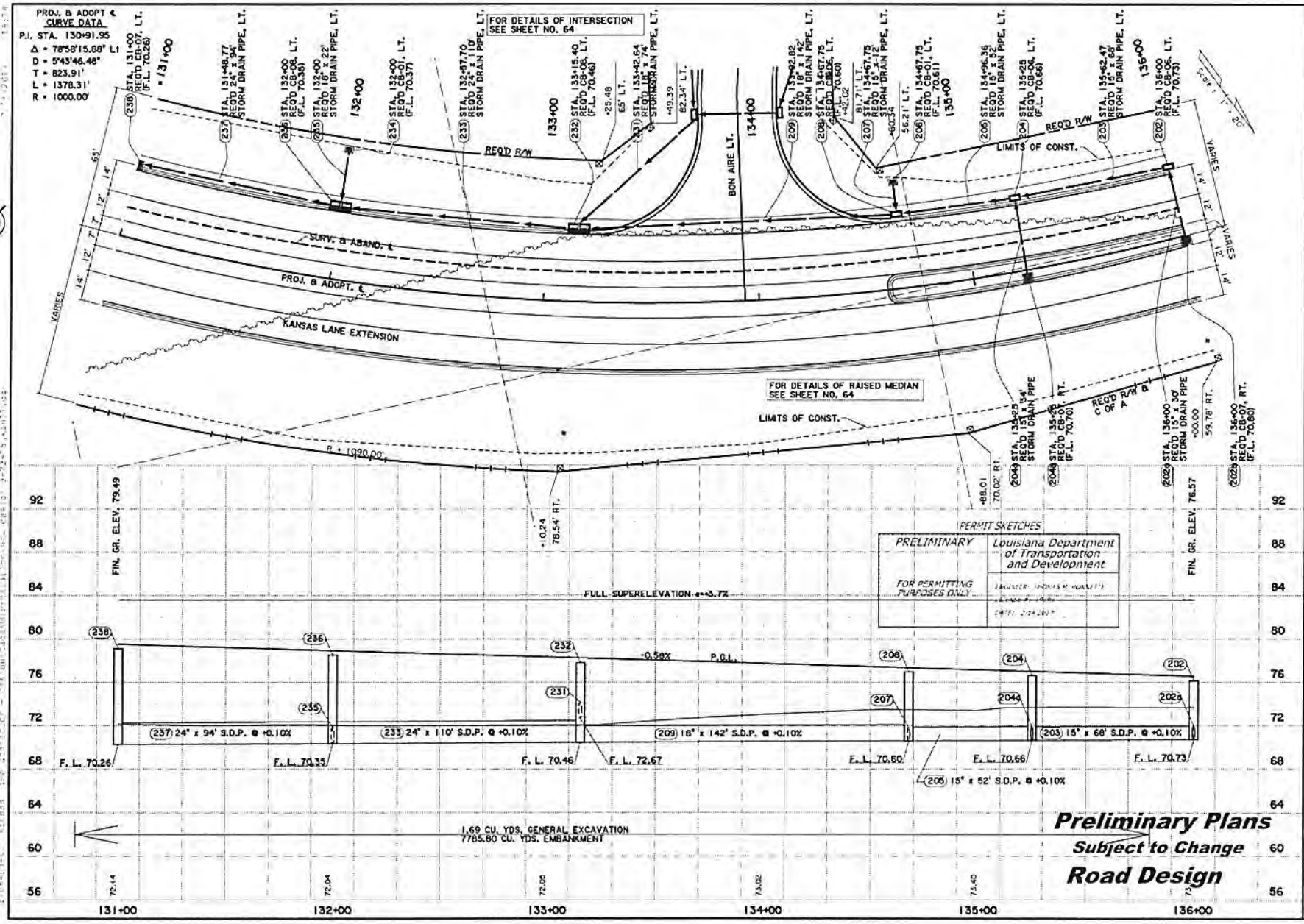
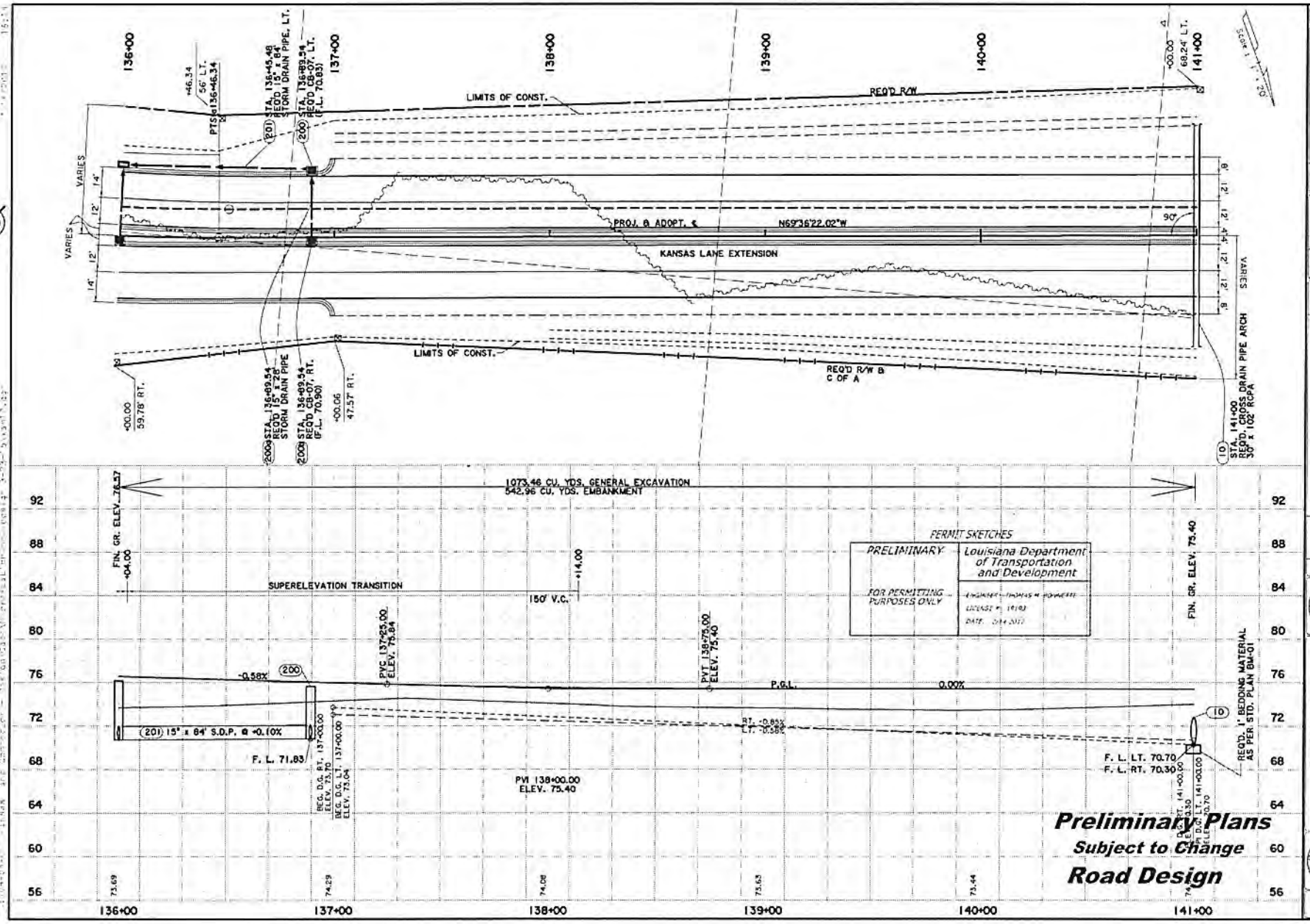
Subject to Change
Road Design

KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION

OUACHITA
H.007289
TMG
CDF
11/16
10


PROJ. ℄ ADOPT ℄
CURVE DATA
P.I. STA. 130+91.95
Δ = 78°58'15.68" Lt
D = 5°43'46.48"
T = 823.91'
L = 1378.31'
R = 1000.00'
FOR DETAILS OF INTERSECTION SEE SHEET NO. 64
FOR DETAILS OF RAISED MEDIAN SEE SHEET NO. 64
REQ'D R/W
LIMITS OF CONST.
SURV. ℄ ABAND. ℄
PROJ. ℄ ADOPT. ℄
KANSAS LANE EXTENSION
BON AIRE LT.
VARIES
R = 1020.00'
FULL SUPERELEVATION e=-3.7%
P.G.L.
-0.58%
FIN. GR. ELEV. 73.49
FIN. GR. ELEV. 76.57
F. L. 70.26
F. L. 70.35
F. L. 70.46
F. L. 72.67
F. L. 70.60
F. L. 70.66
F. L. 70.73
(237) 24" x 94' S.D.P. @ +0.10%
(235) 24" x 110' S.D.P. @ +0.10%
(209) 18" x 142' S.D.P. @ +0.10%
(205) 15" x 52' S.D.P. @ +0.10%
(203) 15" x 68' S.D.P. @ +0.10%
1,69 CU. YDS. GENERAL EXCAVATION
7785.80 CU. YDS. EMBANKMENT
131+00
132+00
133+00
134+00
135+00
136+00
PERMIT SKETCHES
PRELIMINARY
FOR PERMITTING PURPOSES ONLY
Louisiana Department of Transportation and Development
Preliminary Plans
Subject to Change
Road Design
KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION
OUACHITA
H.007289
11/16

PERMIT SKETCHES



SHEET NUMBER	12
PARISH	OUACHITA
FEDERAL PROJECT	
STATE PROJECT	H.007269
DESIGNED / DRAWN / CHECKED	TMB / TMB / TMB
DETAILED / CHECKED	CDF / TMB
DATE / SHEET	11/16
REVISION DESCRIPTION	
DATE	
NO.	

KANSAS LANE

PLAN AND PROFILE

KANSAS LANE EXTENSION

PERMIT SKETCHES

141+00 +00.00 68.24' LT.
142+00
143+00
144+00
145+00
146+00

REQ'D R/W
LIMITS OF CONST.
BUILDING TO BE REMOVED UNDER ITEM 202-01-00100
REQ'D 5' CHAIN LINK FENCE (ALONG R/W)
Asph. Dr.
5' Chain Link
302 STA. 145+66.25 REQ'D CB-01, LT. (F.L. 68.48)
+66.48
55.31' LT.
PROJ. ℄ ADOPT. ℄
N69°36'22.02"W
KANSAS LANE EXTENSION
VARIES
8' 12' 12' 4' 4' 12' 12' 8'
REQ'D R/W & ℄ OF A
+32.16 67.06' RT.
+13.42 67.06' RT.

2955.34 CU. YDS. GENERAL EXCAVATION
52.10 CU. YDS. EMBANKMENT

PERMIT SKETCHES
PRELIMINARY
FOR PERMITTING PURPOSES ONLY
Louisiana Department of Transportation and Development
PATRICIA THOMAS BURNETTE
LICENSE #: 19983
DATE: 2/24/2017

FIN. GR. ELEV. 75.80
FIN. GR. ELEV. 75.40

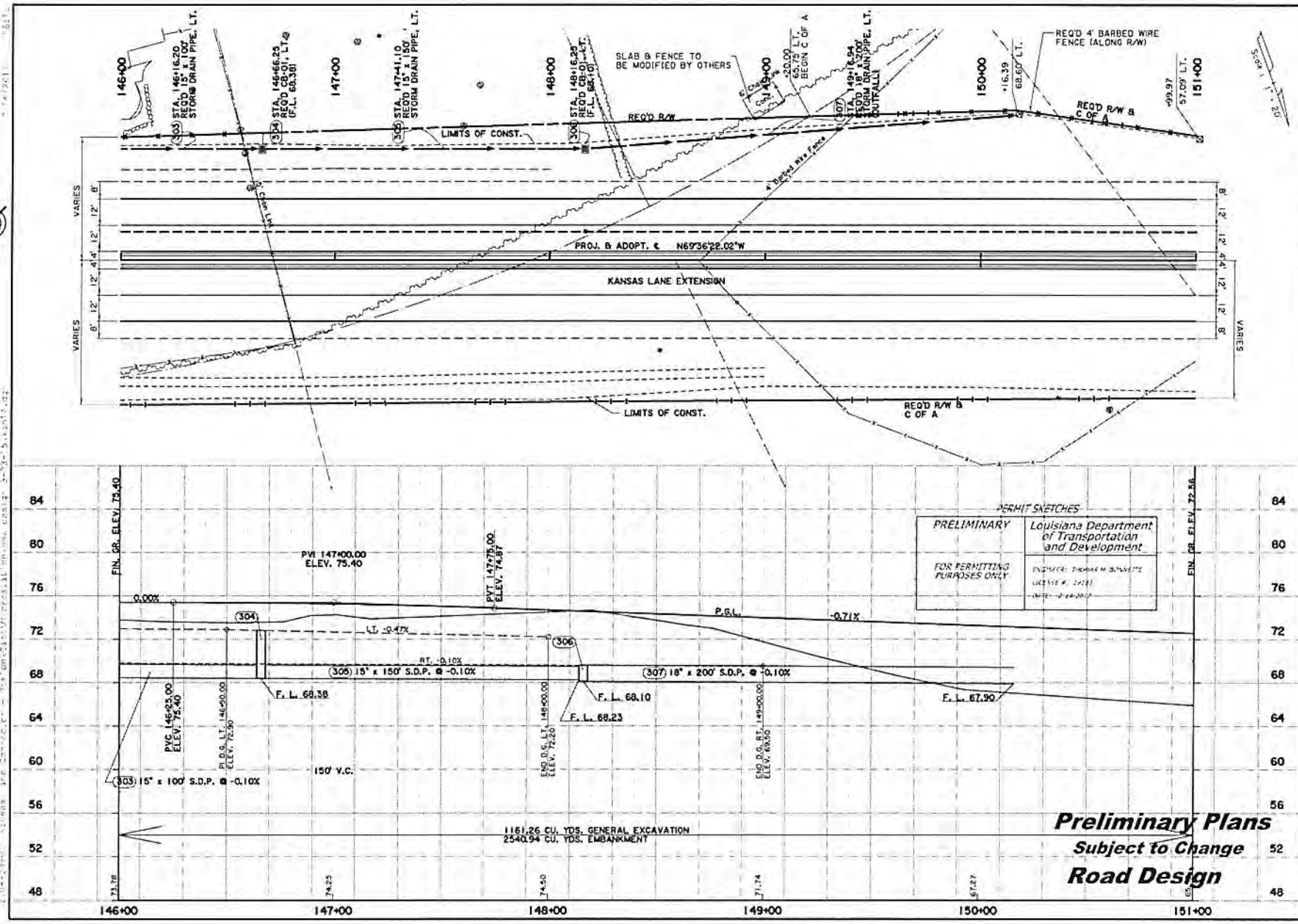
92 88 84 80 76 72 68 64 60 56

P.G.L. 0.00%
L.T. 0.68%
L.T. -0.80%
L.T. -0.10%
RT. -0.10%
302
303
F.L. 68.48
REQ'D. 1' BEDDING MATERIAL AS PER STD. PLAN BM-01
P.O.G. LT. 145+00.00 ELEV. 73.40
P.O.G. 145+00.00 ELEV. 68.00
74.00 74.22 75.03 74.79 74.33 75.

141+00 142+00 143+00 144+00 145+00 146+00

Preliminary Plans
Subject to Change
Road Design

SHEET NUMBER 13
OUACHITA
PARISH
FEDERAL PROJECT
STATE PROJECT H.007289
DESIGNED TMB
DRAWN TMB
DETAILED CDF
CHECKED TMB
DATE 11/16
DATE
KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION
DOTD

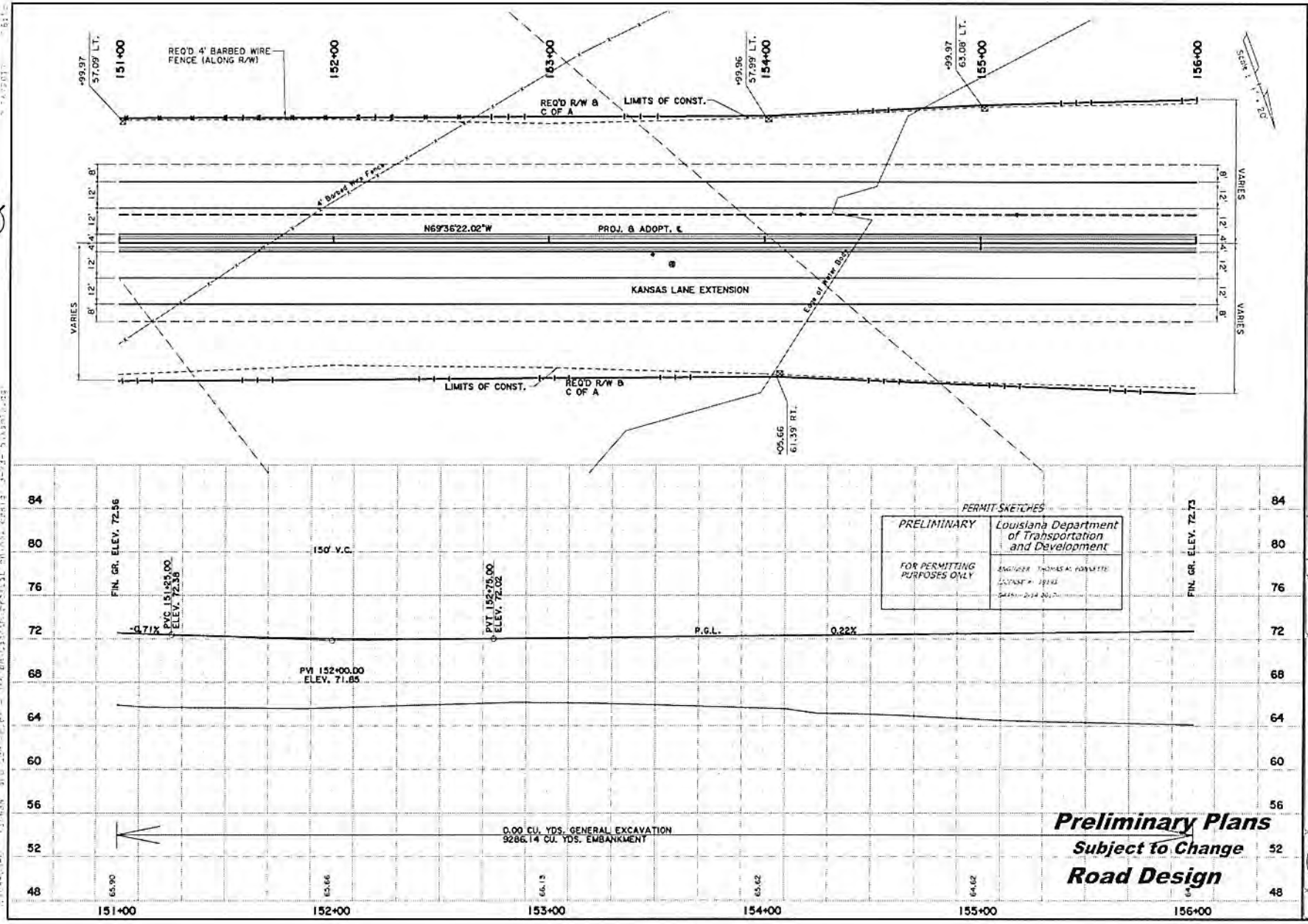


PERMIT SKETCHES

SHEET NO.	14
PARISH	OUACHITA
FEDERAL PROJECT	
STATE PROJECT	H.007289
DESIGNED	TMB
DRAWN	TMB
CHECKED	CDF
CHECKED	TMB
DATE	11/16
PROJECT	
REVISIONS	
DATE	

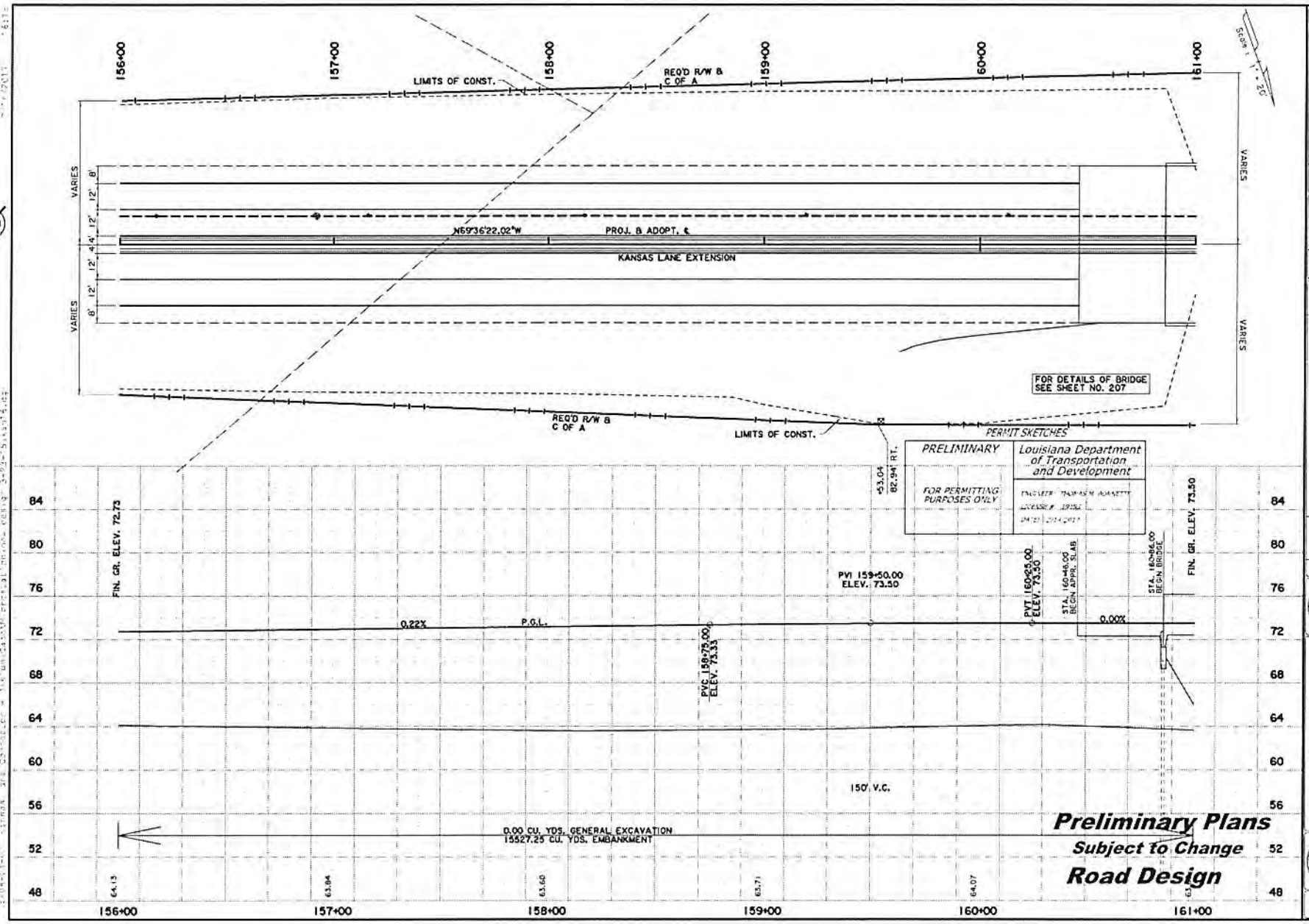
KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION

PERMIT SKETCHES



SHEET NUMBER	15
PARISH	OUACHITA
FEDERAL PROJECT	
STATE PROJECT	H.007289
DESIGNED	TMG
CHECKED	TMG
DETAILED	CDF
CHECKED	TMG
DATE	11/16
SHEET	
BY	
NO.	DATE
REVISION/DESCRIPTION	

KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION



PERMIT SKETCHES

SHEET NUMBER 16

PARISH QUACHITA

FEDERAL PROJECT

STATE PROJECT H.007289

G.S. BY/DATE TMB
CHECKED TMB

DETAILED CDF
CHECKED TMB

DATE 11/16

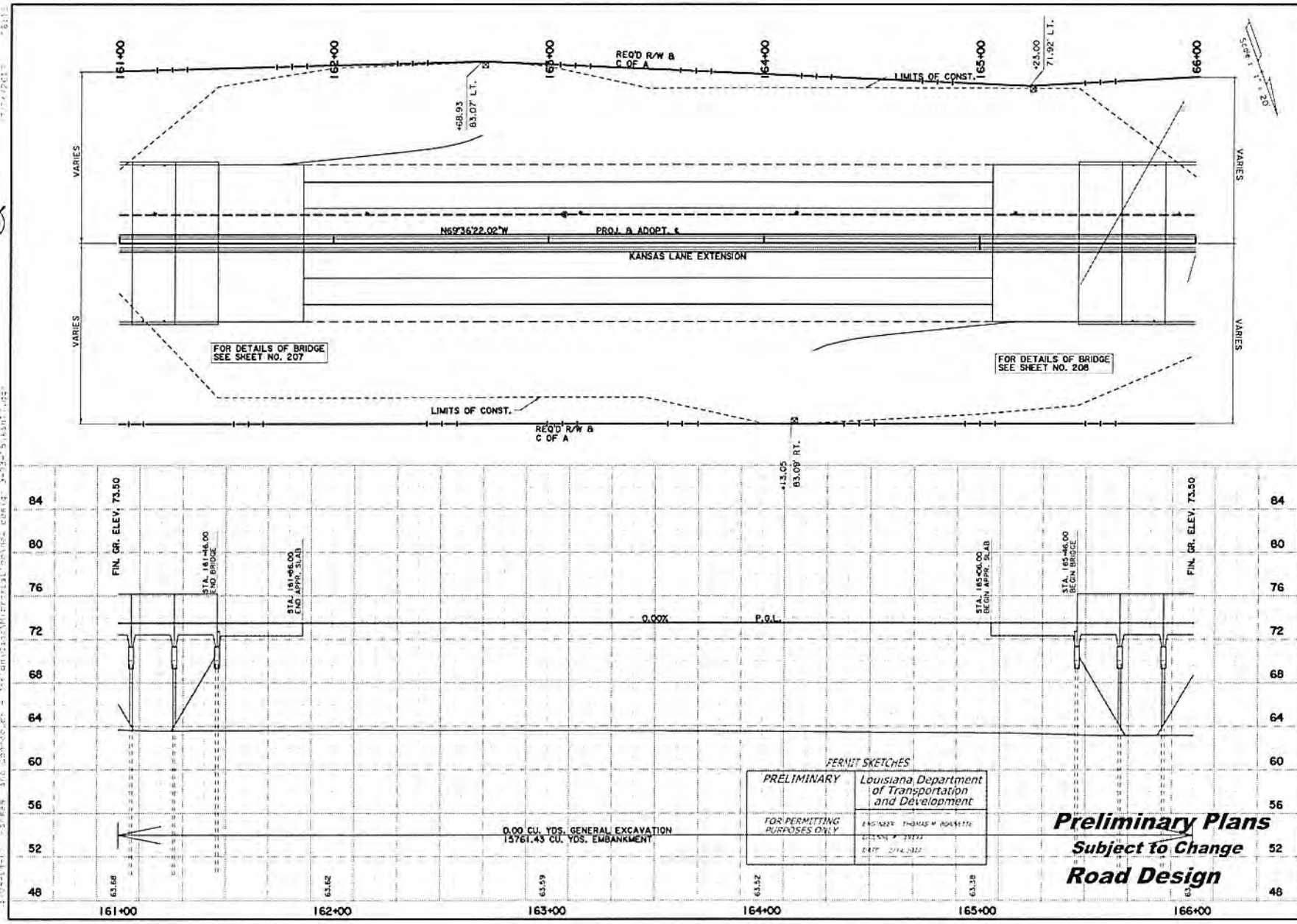
SHEET

KANSAS LANE

PLAN AND PROFILE

KANSAS LANE EXTENSION

DOTD


161+00
162+00
163+00
164+00
165+00
166+00
REQ'D R/W & C OF A
LIMITS OF CONST.
+68.93
83.07' LT.
+23.00
71.92' LT.
VARIES
N69°36'22.02"W
PROJ. ℄ ADOPT. ℄
KANSAS LANE EXTENSION
FOR DETAILS OF BRIDGE SEE SHEET NO. 207
FOR DETAILS OF BRIDGE SEE SHEET NO. 208
+13.05
83.09' RT.
FIN. GR. ELEV. 73.50
STA. 161+46.00 END BRIDGE
STA. 161+66.00 END APPR. SLAB
0.00%
P.G.L.
STA. 165+06.00 BEGIN APPR. SLAB
STA. 165+46.00 BEGIN BRIDGE
0.00 CU. YDS. GENERAL EXCAVATION
15761.43 CU. YDS. EMBANKMENT
63.68
63.62
63.59
63.52
63.38
84
80
76
72
68
64
60
56
52
48
PERMIT SKETCHES
PRELIMINARY
Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY
Preliminary Plans
Subject to Change
Road Design
KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION
OUACHITA
H.007289
11/16
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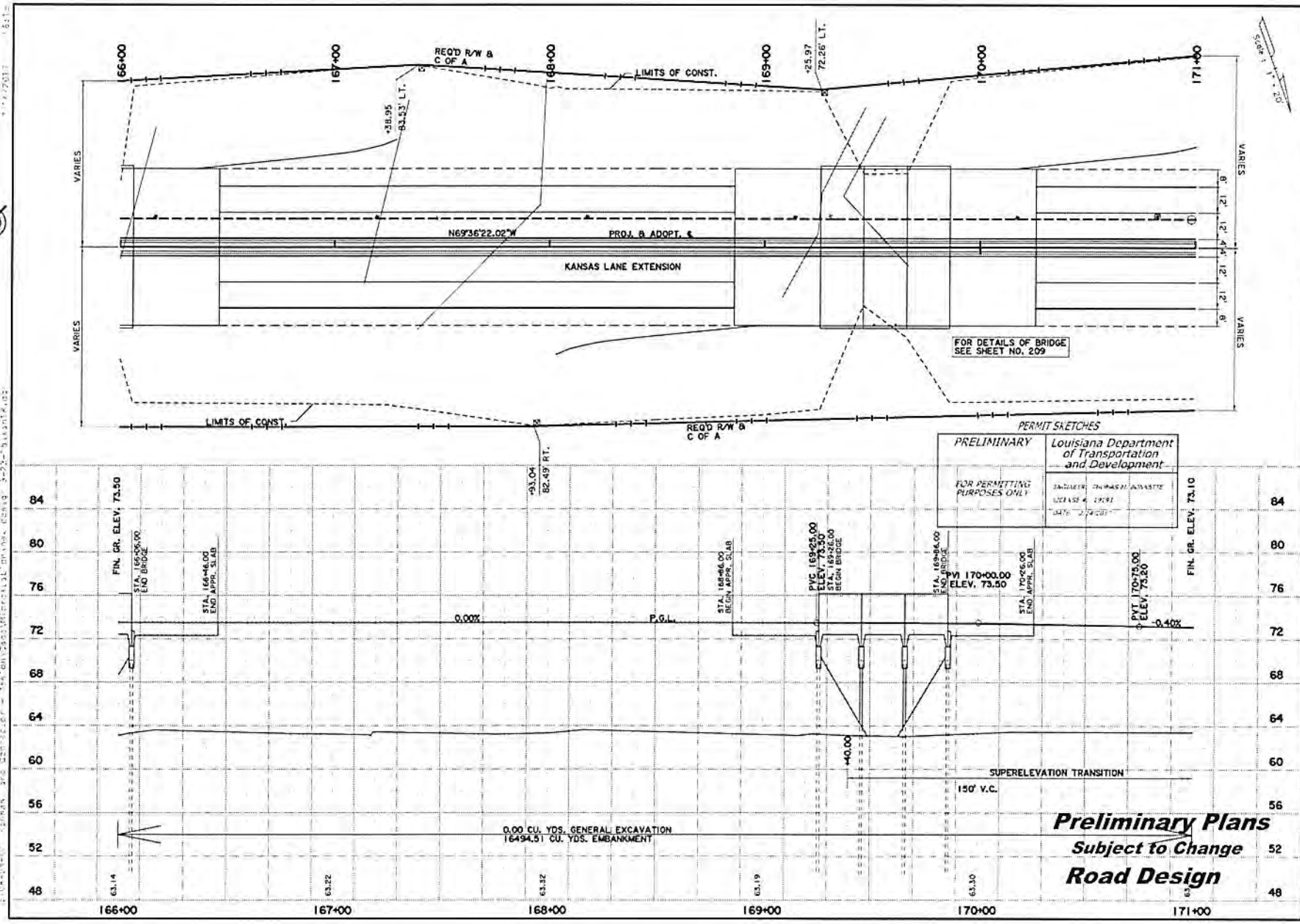

PERMIT SKETCHES

KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION

OUACHITA

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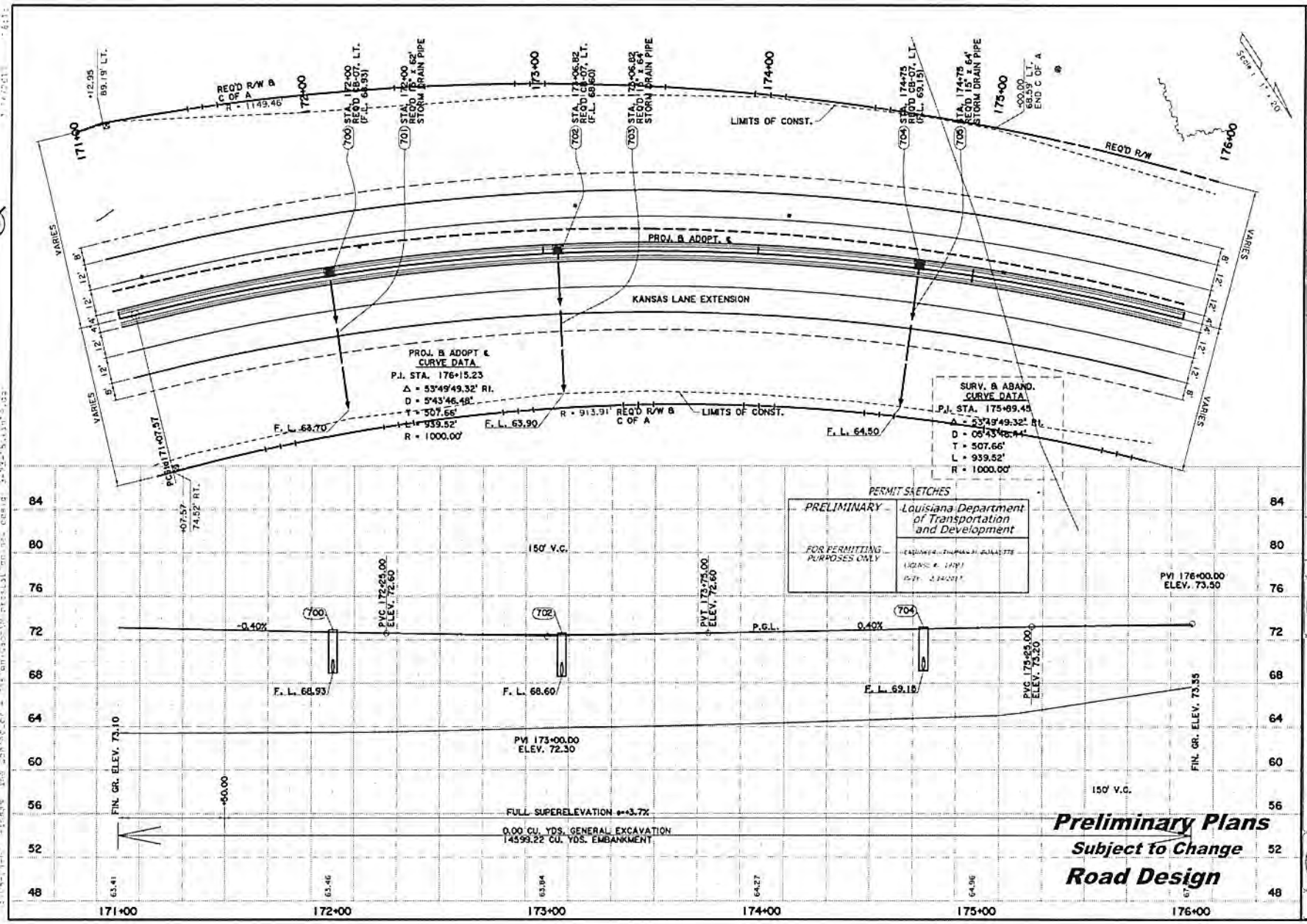

KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION

QUACHITA
H.007289
TMB
TMB
CDF
TMB
11/16
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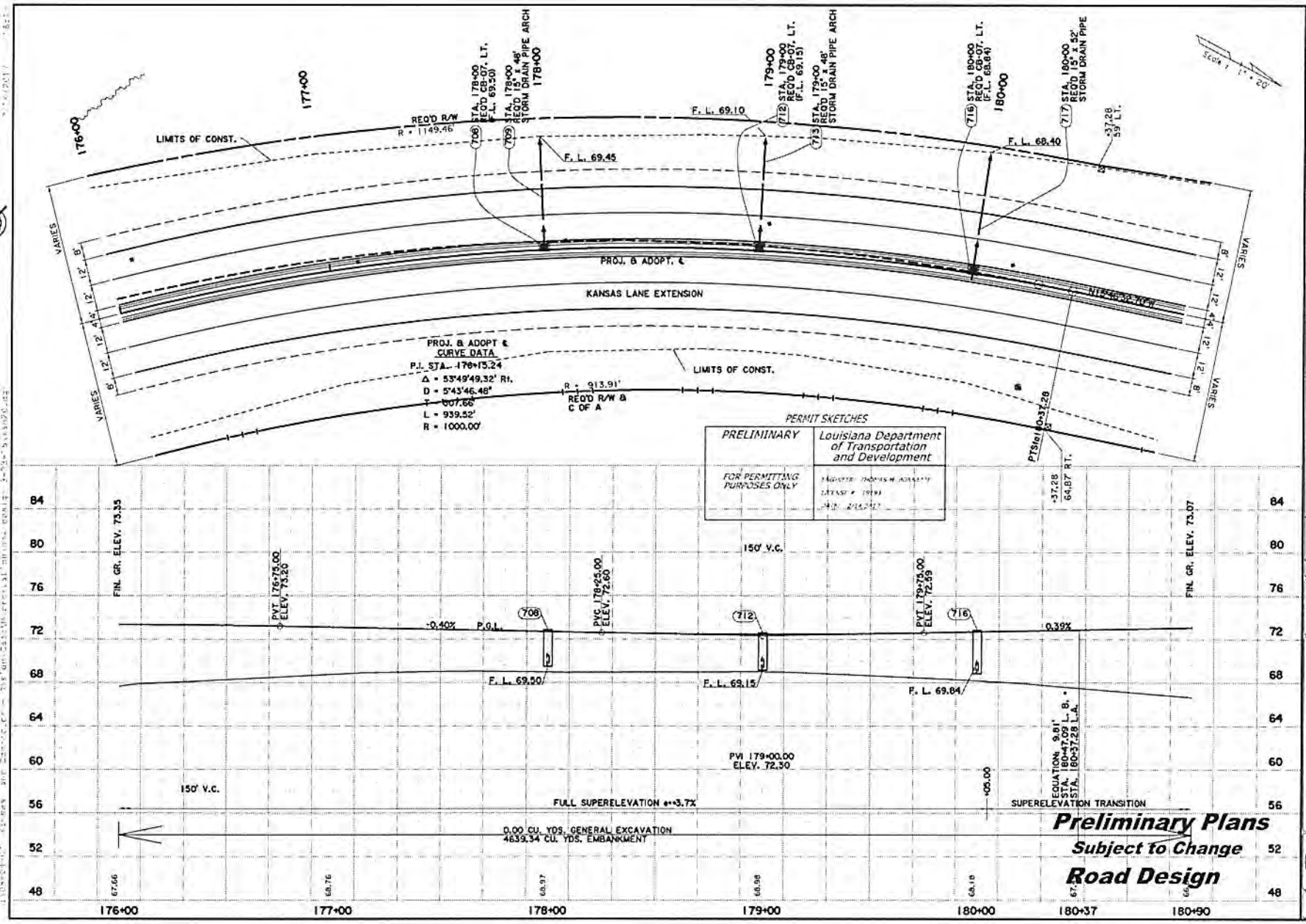
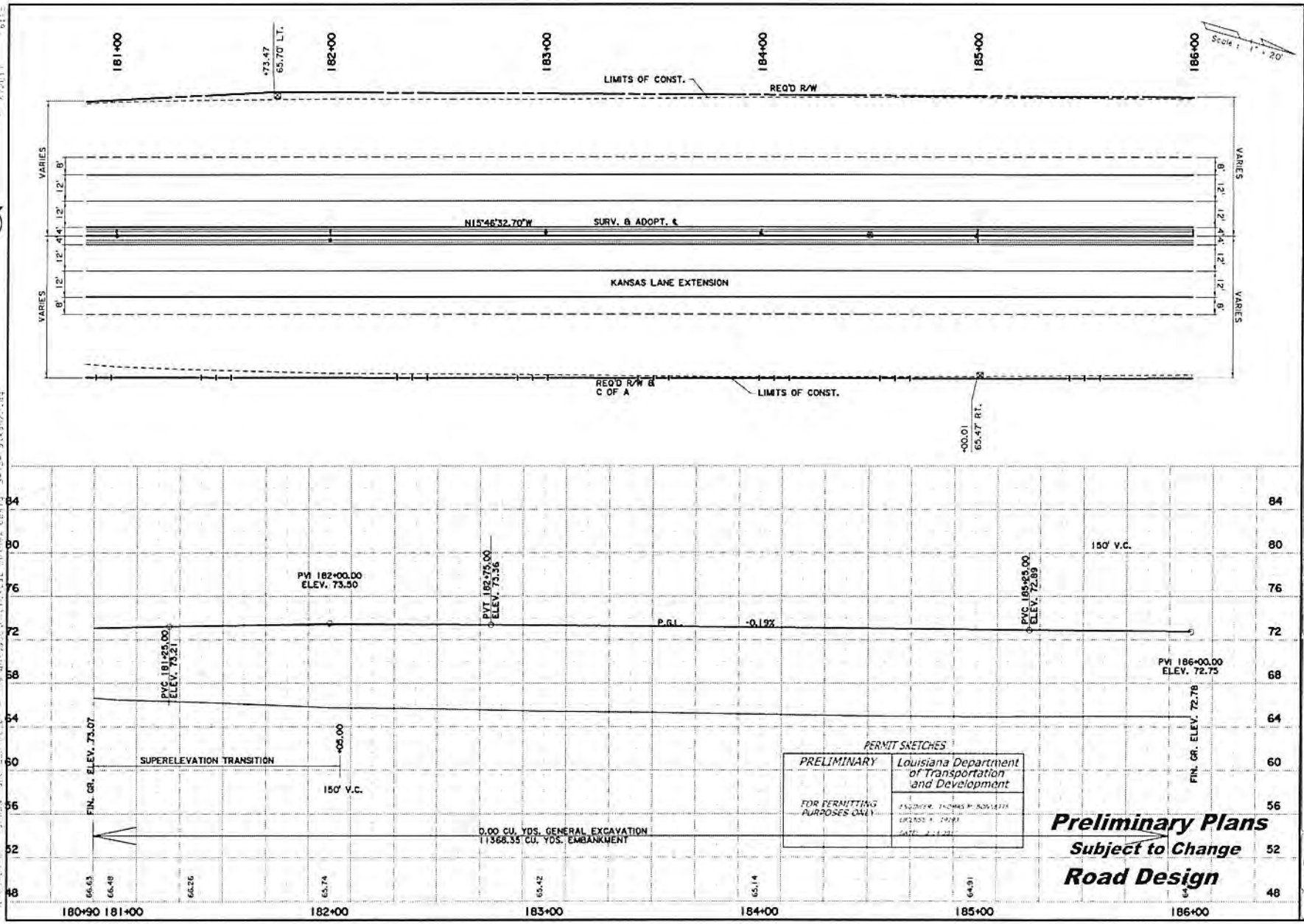

176+00
177+00
178+00
179+00
180+00
LIMITS OF CONST.
REQ'D R/W
R = 1149.46'
(708) STA. 178+00 REQ'D CB-07, LT. (F.L. 69.50)
(709) STA. 178+00 REQ'D 15" x 48' STORM DRAIN PIPE ARCH
F. L. 69.10
(712) STA. 179+00 REQ'D CB-07, LT. (F.L. 69.15)
(713) STA. 179+00 REQ'D 15" x 48' STORM DRAIN PIPE ARCH
(716) STA. 180+00 REQ'D CB-07, LT. (F.L. 68.84)
F. L. 68.40
(717) STA. 180+00 REQ'D 15" x 52' STORM DRAIN PIPE
-37.28 59' LT.
F. L. 69.45
VARIES
8'
12'
4'
PROJ. & ADOPT. ℄
KANSAS LANE EXTENSION
PROJ. & ADOPT ℄ CURVE DATA
P.I. STA. 176+15.24
Δ = 53°49'49.32" Rt.
D = 5°43'46.48"
T = 507.66'
L = 939.52'
R = 1000.00'
R = 913.91'
REQ'D R/W & C OF A
PTSta 180+37.28
-37.28 64.87' RT.
PERMIT SKETCHES
PRELIMINARY
FOR PERMITTING PURPOSES ONLY
Louisiana Department of Transportation and Development
FIN. GR. ELEV. 73.55
PVT. 176+75.00 ELEV. 73.20
-0.40%
P.G.L.
PVC. 178+25.00 ELEV. 72.60
150' V.C.
PVT. 179+75.00 ELEV. 72.59
0.39%
FIN. GR. ELEV. 73.07
F. L. 69.50
F. L. 69.15
F. L. 69.84
PVI 179+00.00 ELEV. 72.30
EQUATION 9.81' STA. 180+47.09 L. B. = STA. 180+37.28 L.A.
-05.00
FULL SUPERELEVATION e=-3.7%
SUPERELEVATION TRANSITION
0.00 CU. YDS. GENERAL EXCAVATION
4639.34 CU. YDS. EMBANKMENT
67.66
68.76
68.97
68.98
68.18
67.
66.
84
80
76
72
68
64
60
56
52
48
176+00
177+00
178+00
179+00
180+00
180+37
180+90
Preliminary Plans
Subject to Change
Road Design
PERMIT SKETCHES
SHEET NUMBER 20
PARISH OUACHITA
FEDERAL PROJECT
STATE PROJECT H.007269
DESIGNED TMB
CHECKED TMB
DETAILED CDF
CHECKED TMB
DATE 11/16
SCALE 1" = 20'
KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION
DOTD

PERMIT SKETCHES



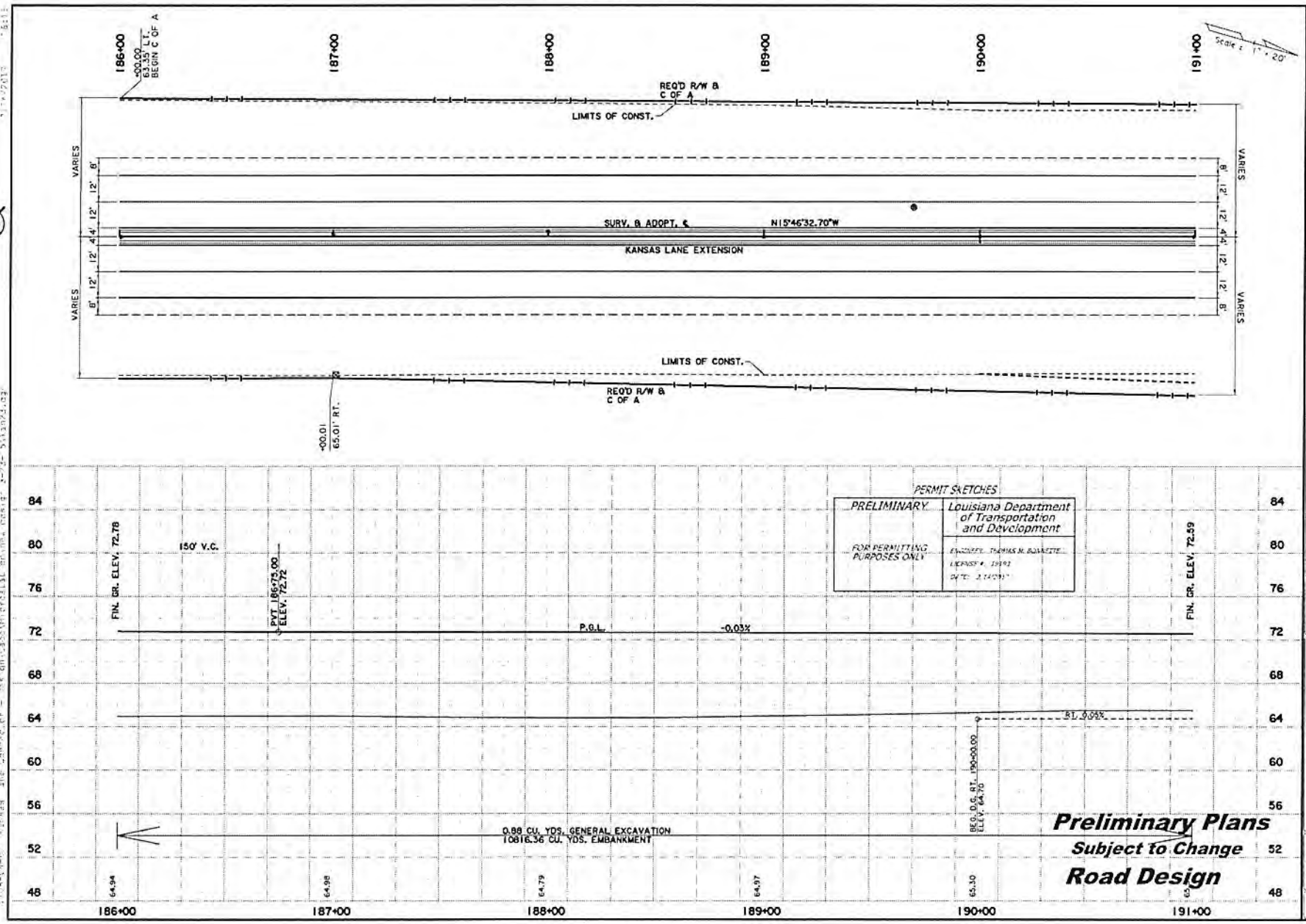
PERMIT SKETCHES

PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	ENGINEER: THOMAS M. SOVELOTTE LICENSE #: 29981 DATE: 8-14-20

Preliminary Plans
Subject to Change
Road Design

DESIGNED	TMB
CHECKED	TMB
DETAILED	CDF
CHECKED	TMB
DATE	11/16
SHEET	
PARISH	OUACHITA
FEDERAL PROJECT	
STATE PROJECT	H.007269
SHEET	21

KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION


186+00
187+00
188+00
189+00
190+00
191+00
+00.00
63.35 LT.
BEGIN C OF A
Scale: 1" = 20'
REQ'D R/W & C OF A
LIMITS OF CONST.
VARIES
8'
12'
4'
SURV. & ADOPT. ℄
N15°46'32.70"W
KANSAS LANE EXTENSION
+00.01
65.01' RT.
FIN. GR. ELEV. 72.78
150' V.C.
PVT 186+73.00
ELEV. 72.72
P.G.L.
-0.03%
FIN. GR. ELEV. 72.59
RT. 0.04%
BEG. D.G. RT. 190+00.00
ELEV. 64.70
0.88 CU. YDS. GENERAL EXCAVATION
10816.36 CU. YDS. EMBANKMENT
84
80
76
72
68
64
60
56
52
48
64.94
64.98
64.79
64.97
65.30
PERMIT SKETCHES
PRELIMINARY
FOR PERMITTING PURPOSES ONLY
Louisiana Department of Transportation and Development
Preliminary Plans
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Road Design
PERMIT SKETCHES
KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION
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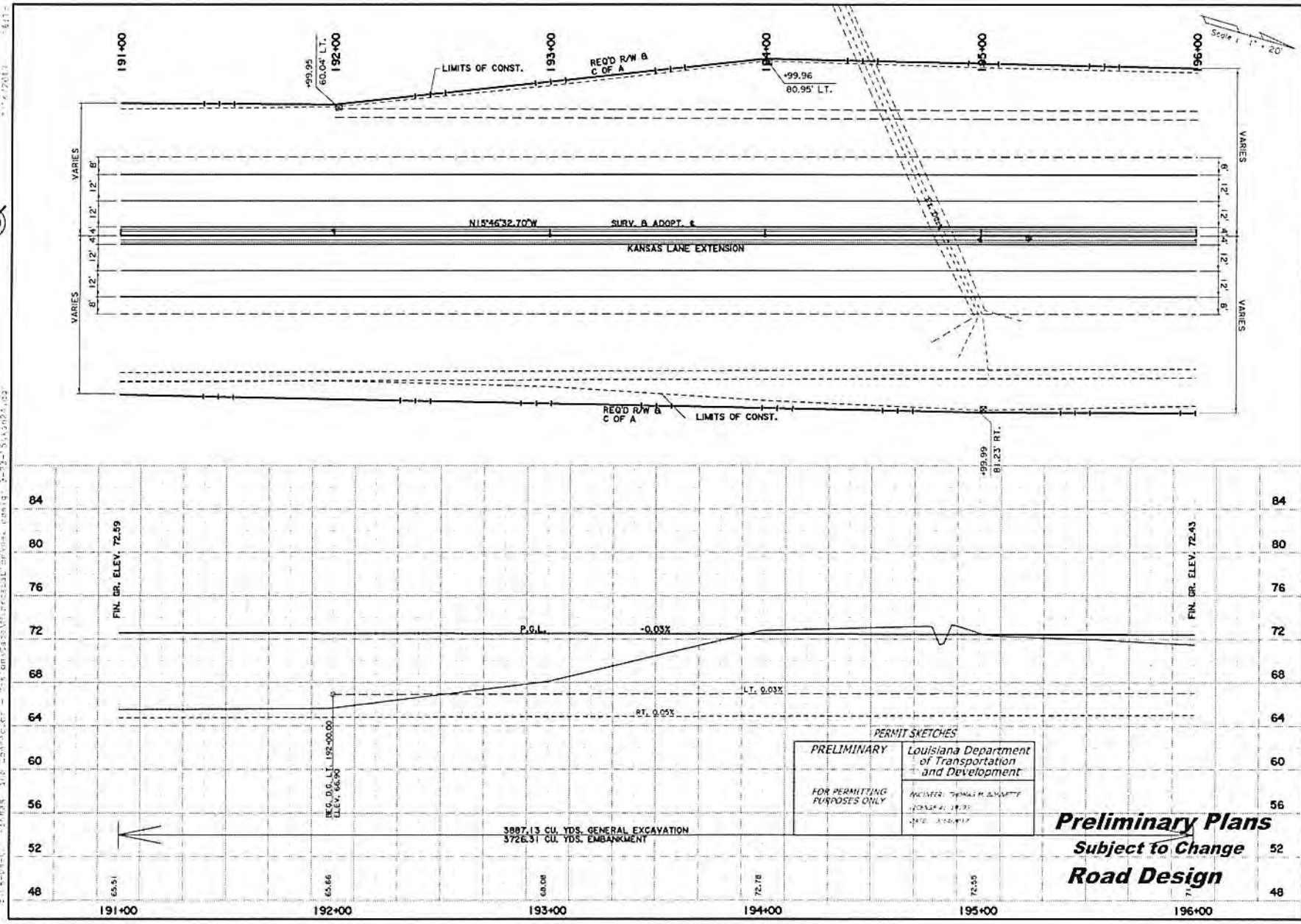
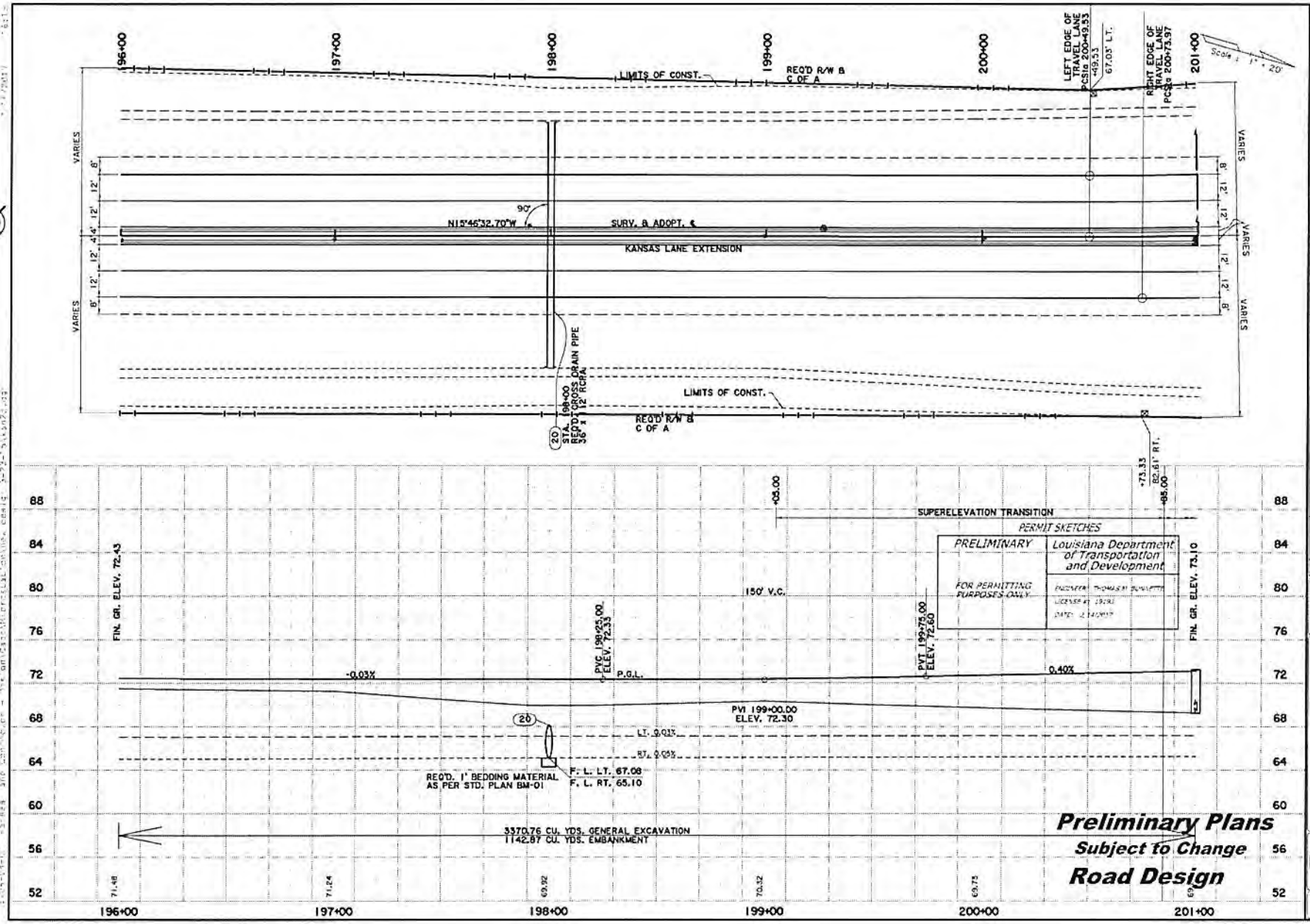
11/16
22


191+00
192+00
193+00
194+00
195+00
196+00
+99.95
60.04' LT.
LIMITS OF CONST.
REQ'D R/W @ C OF A
+99.96
80.95' LT.
Scale: 1" = 20'
VARIES
8'
12'
4'
N15°46'32.70"W
SURV. & ADOPT. ℄
KANSAS LANE EXTENSION
+99.99
81.23' RT.
FIN. GR. ELEV. 72.59
FIN. GR. ELEV. 72.43
P.G.L.
-0.03%
LT. 0.03%
RT. 0.05%
REQ. D.G. LT. 192+00.00
ELEV. 66.90
3887.13 CU. YDS. GENERAL EXCAVATION
3726.31 CU. YDS. EMBANKMENT
65.51
65.66
68.08
72.78
72.55
84
80
76
72
68
64
60
56
52
48
PERMIT SKETCHES
PRELIMINARY
FOR PERMITTING PURPOSES ONLY
Louisiana Department of Transportation and Development
Preliminary Plans
Subject to Change
Road Design
KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION
OUACHITA
H.007269
TMB
CDF
11/16
23

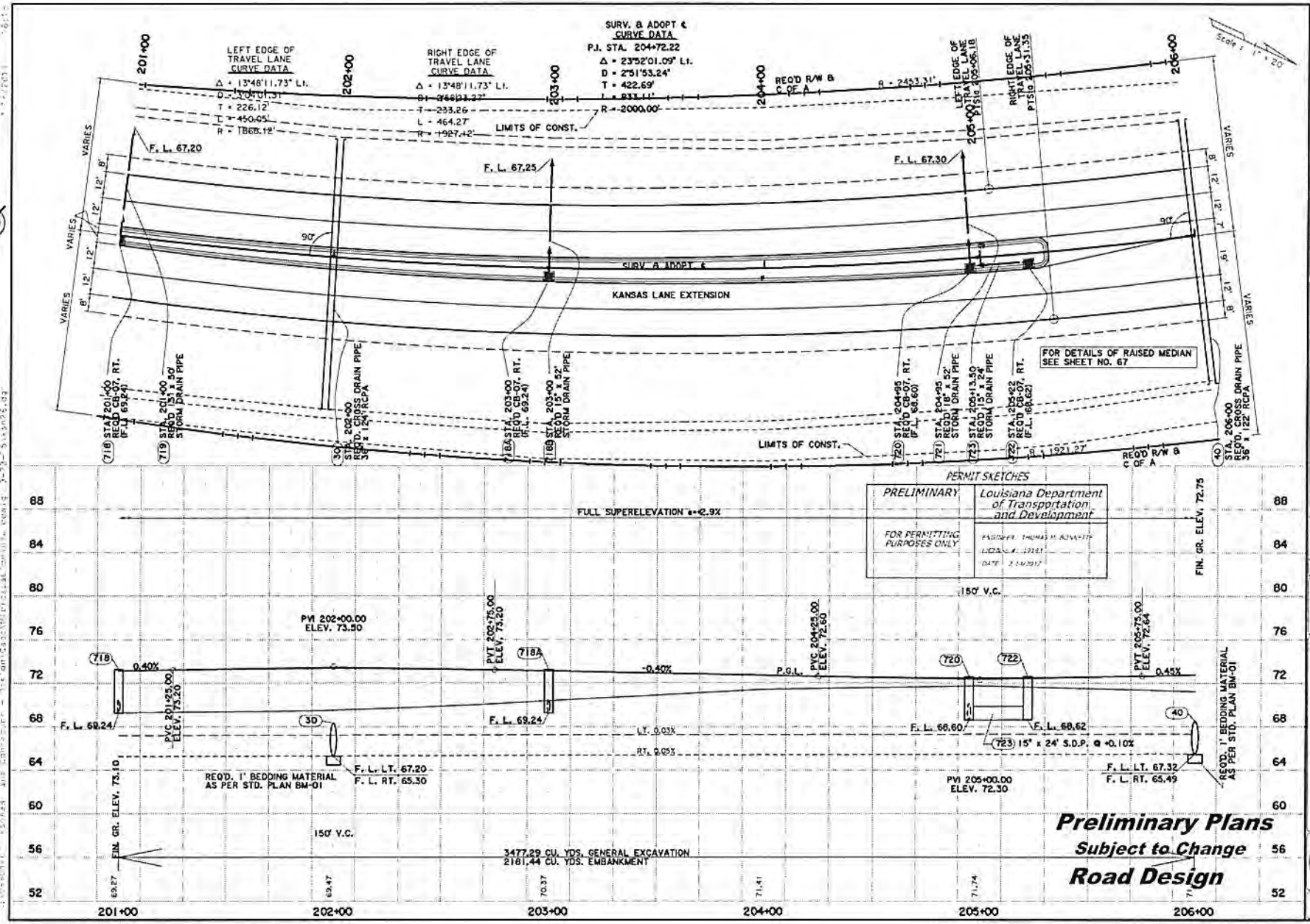


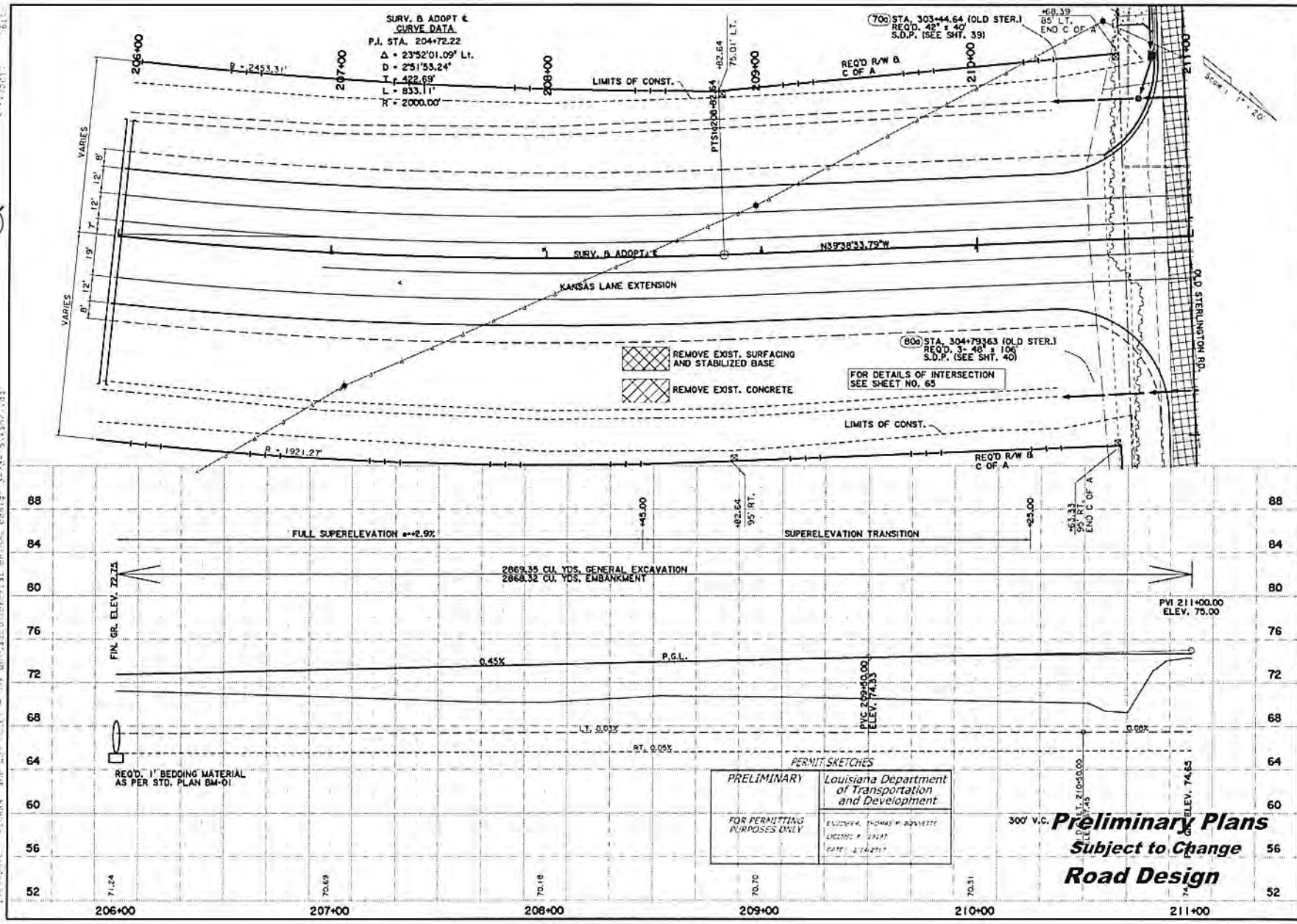
Preliminary Plans
Subject to Change
Road Design

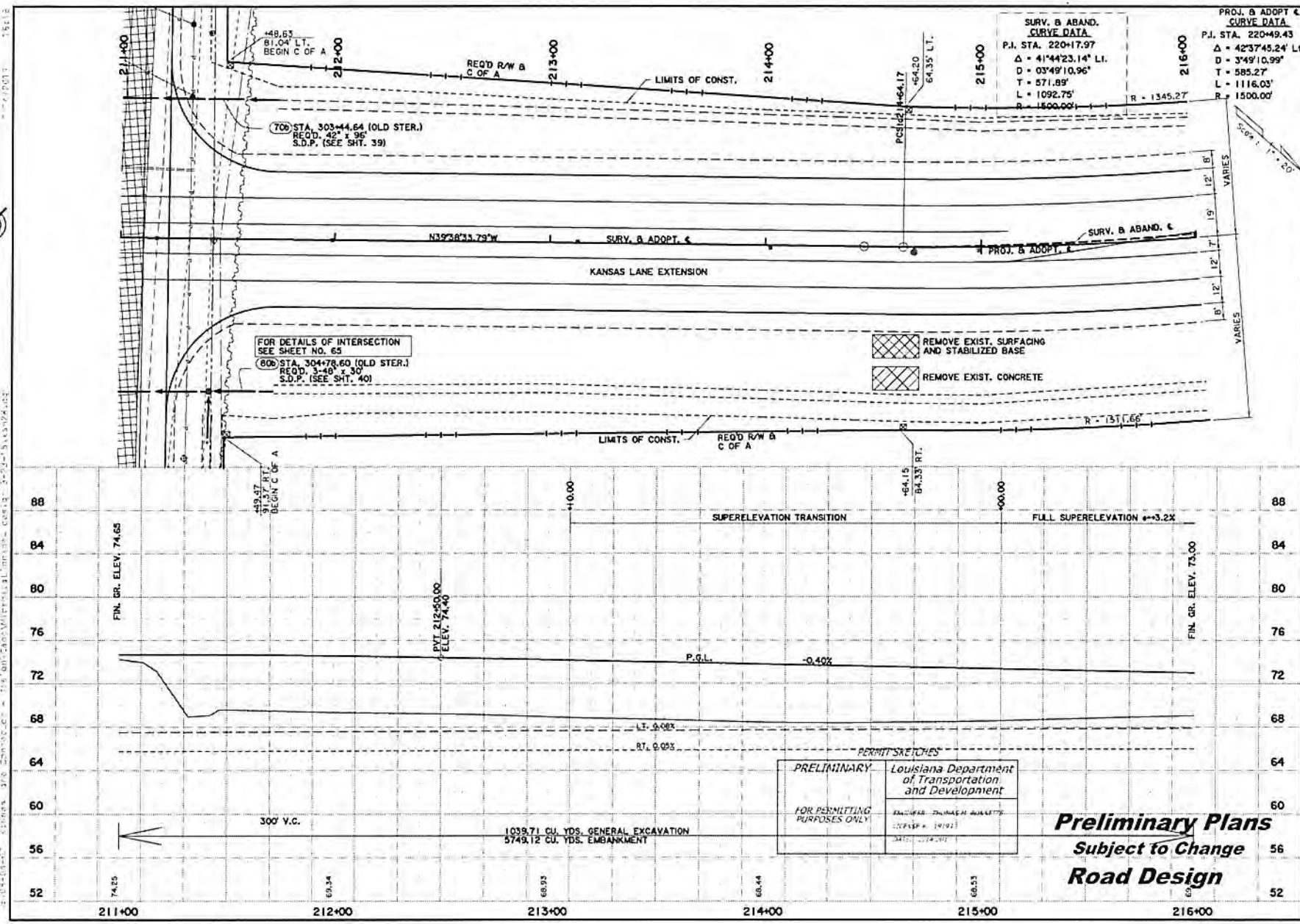
PERMIT SKETCHES

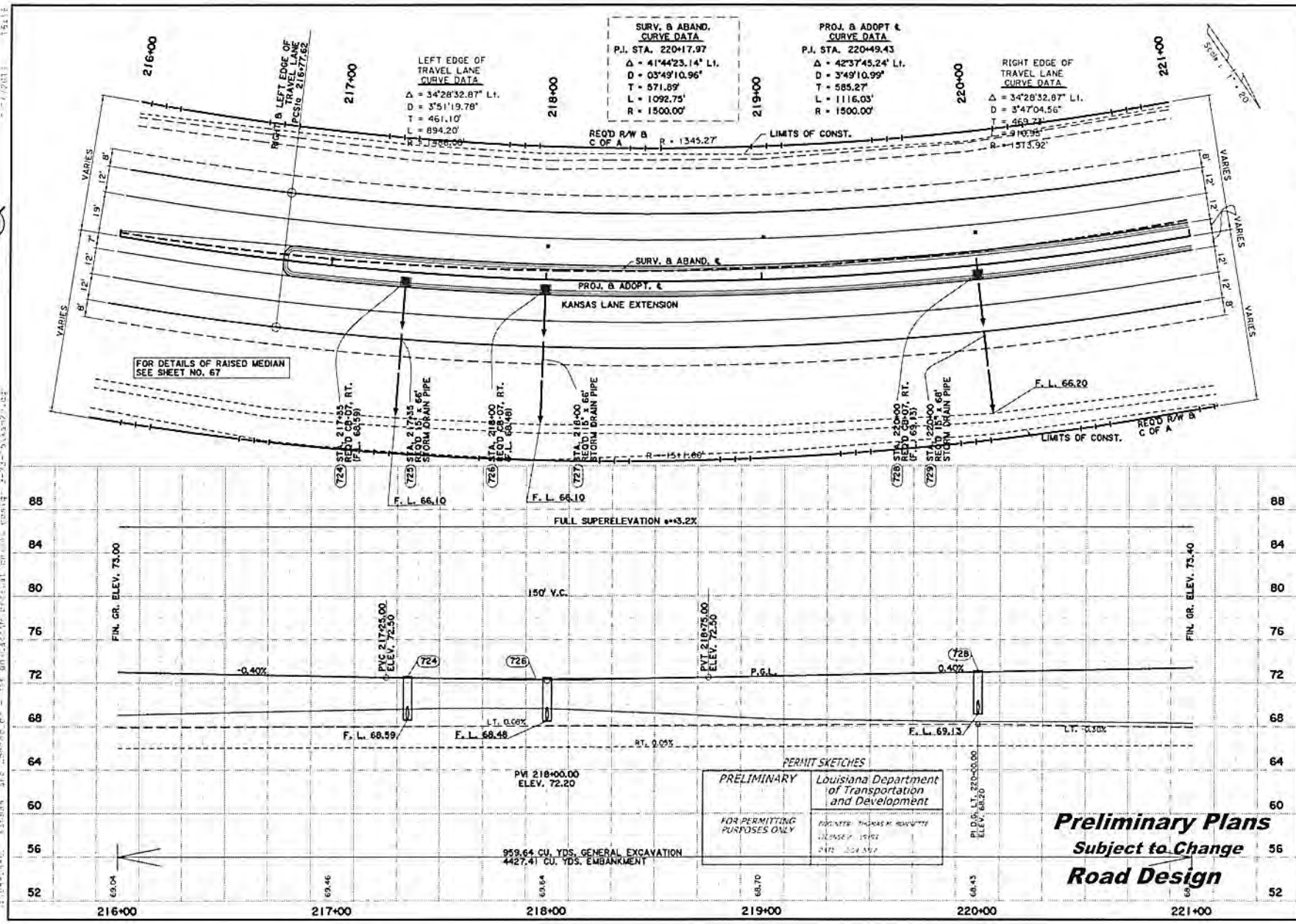
PROJ. NO.	24
PARISH	OUACHITA
FEDERAL PROJECT	
STATE PROJECT	H.007289
DESIGNED	TMB
CHECKED	TMB
DETAILED	CDF
CHECKED	TMB
DATE	11/16
SHEET	

KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION


PERMIT SKETCHES
LEFT EDGE OF TRAVEL LANE CURVE DATA
Δ = 13°48'11.73" Lt.
D = 3°04'01.31"
T = 226.12'
L = 450.05'
R = 1868.12'
RIGHT EDGE OF TRAVEL LANE CURVE DATA
Δ = 13°48'11.73" Lt.
D = 2°46'23.27"
T = 233.26'
L = 464.27'
R = 1927.42'
SURV. & ADOPT ℄ CURVE DATA
P.I. STA. 204+72.22
Δ = 23°52'01.09" Lt.
D = 2°51'53.24"
T = 422.69'
L = 833.11'
R = 2000.00'
LEFT EDGE OF TRAVEL LANE PT Sta 205+06.18
RIGHT EDGE OF TRAVEL LANE PT Sta 205+31.35
REQ'D R/W @ ℄ OF A
R = 2453.31'
R = 1921.27'
LIMITS OF CONST.
SURV. & ADOPT ℄
KANSAS LANE EXTENSION
F. L. 67.20
F. L. 67.25
F. L. 67.30
VARIES
90°
STA. 201+00 REQ'D CB-07, RT. (F.L. 69.24)
STA. 201+00 REQ'D (3) x 50' STORM DRAIN PIPE
STA. 202+00 REQ'D. CROSS DRAIN PIPE 36" x 124' RCPA
STA. 203+00 REQ'D CB-07, RT. (F.L. 69.24)
STA. 203+00 REQ'D 15" x 52' STORM DRAIN PIPE
STA. 204+05 REQ'D CB-07, RT. (F.L. 68.60)
STA. 204+05 REQ'D 18" x 52' STORM DRAIN PIPE
STA. 205+13.50 REQ'D 15" x 24' STORM DRAIN PIPE
STA. 205+62 REQ'D CB-07, RT. (F.L. 68.62)
STA. 206+00 REQ'D. CROSS DRAIN PIPE 36" x 122' RCPA
FOR DETAILS OF RAISED MEDIAN SEE SHEET NO. 67
PERMIT SKETCHES
PRELIMINARY
FOR PERMITTING PURPOSES ONLY
Louisiana Department of Transportation and Development
FULL SUPERELEVATION e=-2.9%
FIN. GR. ELEV. 72.75
150' V.C.
PVI 202+00.00 ELEV. 73.50
PVT 202+75.00 ELEV. 73.20
PVC 204+25.00 ELEV. 72.60
PVT 205+75.00 ELEV. 72.64
PVC 201+25.00 ELEV. 73.20
0.40%
-0.40%
P.G.L.
0.45%
F. L. 69.24
F. L. 68.60
F. L. 68.62
LT. 0.03%
RT. 0.05%
15" x 24" S.D.P. @ +0.10%
REQ'D. 1' BEDDING MATERIAL AS PER STD. PLAN BM-01
F. L. LT. 67.20
F. L. RT. 65.30
F. L. LT. 67.32
F. L. RT. 65.49
PVI 205+00.00 ELEV. 72.30
FIN. GR. ELEV. 73.10
3477.29 CU. YDS. GENERAL EXCAVATION
2181.44 CU. YDS. EMBANKMENT
Preliminary Plans
Subject to Change
Road Design
201+00
202+00
203+00
204+00
205+00
206+00
88
84
80
76
72
68
64
60
56
52
SHEET NUMBER 25
PARISH OUACHITA
FEDERAL PROJECT
STATE PROJECT H.007289
DESIGNED TMB
CHECKED TMB
DETAILED CDF
CHECKED TMB
DATE 11/16
SHEET
KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION


SURV. & ADOPT ℄
CURVE DATA
P.I. STA. 204+72.22
Δ = 23°52'01.09" Lt.
D = 2°51'53.24"
T = 422.69'
L = 833.11'
R = 2000.00'
R = 2453.31'
R = 1921.27'
206+00
207+00
208+00
209+00
210+00
211+00
LIMITS OF CONST.
PTS 208+82.64
82.64
75.01' LT.
REQ'D R/W & C OF A
700 STA. 303+44.64 (OLD STER.)
REQ'D. 42" x 40'
S.D.P. (SEE SHT. 39)
+68.39
85' LT.
END C OF A
SCALE: 1" = 20'
VARIES
8'
12'
12'
19'
12'
8'
SURV. & ADOPT ℄
N39°38'33.79"W
KANSAS LANE EXTENSION
OLD STERLINGTON RD.
REMOVE EXIST. SURFACING AND STABILIZED BASE
REMOVE EXIST. CONCRETE
800 STA. 304+79.363 (OLD STER.)
REQ'D. 3- 48" x 106'
S.D.P. (SEE SHT. 40)
FOR DETAILS OF INTERSECTION SEE SHEET NO. 65
LIMITS OF CONST.
REQ'D R/W & C OF A
88
84
80
76
72
68
64
60
56
52
+45.00
+82.64
95' RT.
+23.00
+51.33
95' RT.
END C OF A
FULL SUPERELEVATION e=+2.9%
SUPERELEVATION TRANSITION
2869.35 CU. YDS. GENERAL EXCAVATION
2868.32 CU. YDS. EMBANKMENT
FIN. GR. ELEV. 72.75
PVI 211+00.00
ELEV. 75.00
0.45%
P.G.L.
PVC 209+50.00
ELEV. 74.83
L.T. 0.03%
0.08%
RT. 0.05%
REQ'D. 1" BEDDING MATERIAL AS PER STD. PLAN BM-01
PERMIT SKETCHES
PRELIMINARY
Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY
300' V.C.
PVT 210+50.00
ELEV. 74.45
ELEV. 74.65
71.24
70.69
70.18
70.70
70.31
206+00
207+00
208+00
209+00
210+00
211+00
Preliminary Plans
Subject to Change
Road Design
PERMIT SKETCHES
KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION
OUACHITA
H.007289
26
TMB
TMB
CDF
TMB
11/16

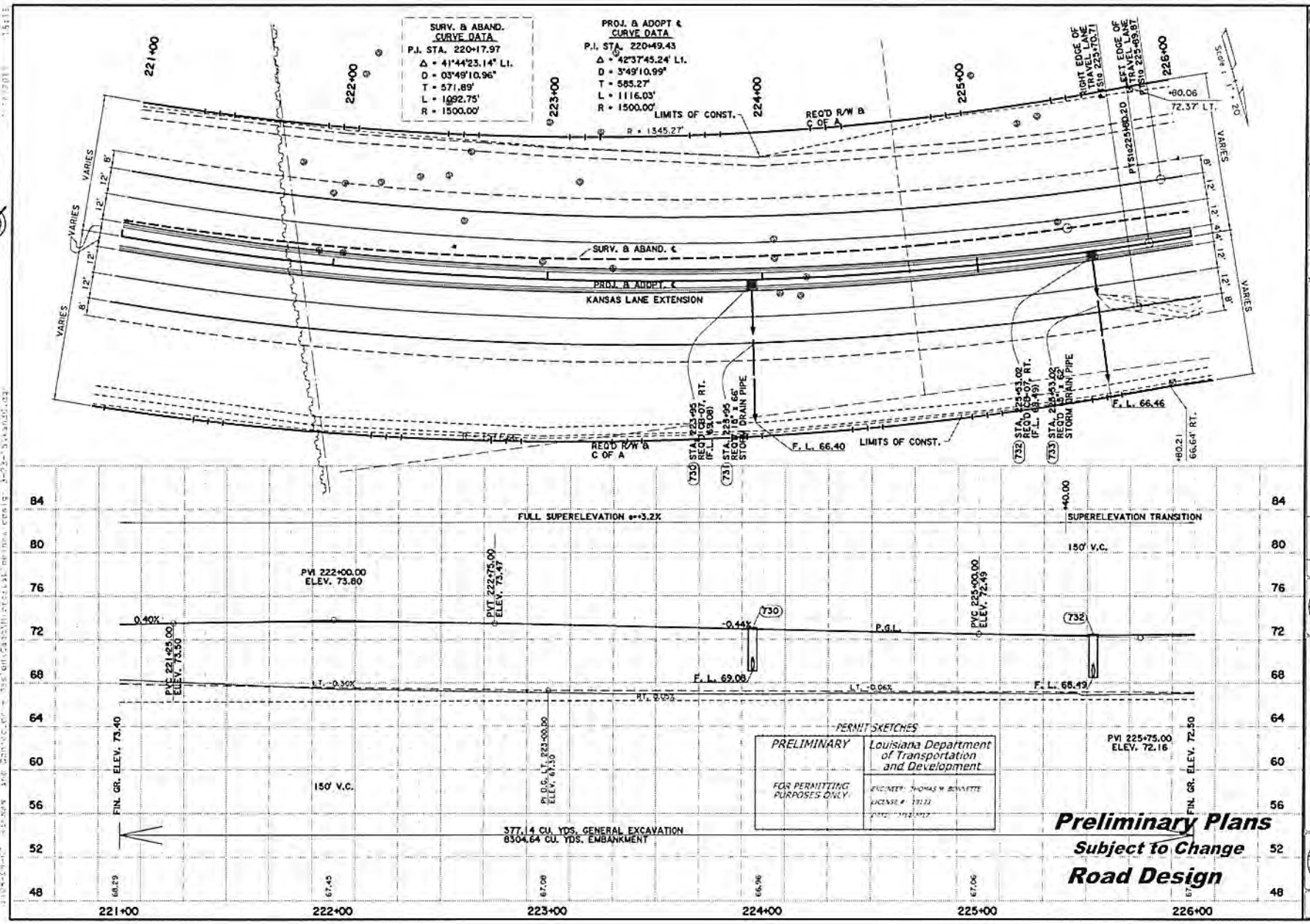

PERMIT SKETCHES
SURV. & ABAND. CURVE DATA
P.I. STA. 220+17.97
Δ = 41°44'23.14" Lt.
D = 03°49'10.96"
T = 571.89'
L = 1092.75'
R = 1500.00'
PROJ. & ADOPT ℄ CURVE DATA
P.I. STA. 220+49.43
Δ = 42°37'45.24' Lt.
D = 3°49'10.99"
T = 585.27'
L = 1116.03'
R = 1500.00'
+48.63
61.04' LT.
BEGIN C OF A
REQ'D R/W & C OF A
LIMITS OF CONST.
PCS1d2 14+64.17
+64.20
64.35' LT.
R = 1345.27'
R = 1500.00'
706 STA. 303+44.64 (OLD STER.)
REQ'D. 42" x 96'
S.D.P. (SEE SHT. 39)
Scale: 1" = 20'
VARIES
N39°38'33.79"W
SURV. & ADOPT. ℄
PROJ. & ADOPT. ℄
SURV. & ABAND. ℄
KANSAS LANE EXTENSION
FOR DETAILS OF INTERSECTION SEE SHEET NO. 65
806 STA. 304+78.60 (OLD STER.)
REQ'D. 3-48" x 30'
S.D.P. (SEE SHT. 40)
REMOVE EXIST. SURFACING AND STABILIZED BASE
REMOVE EXIST. CONCRETE
R = 1371.66'
LIMITS OF CONST.
REQ'D R/W & C OF A
+49.47
91.37' RT.
BEGIN C OF A
+64.15
84.33' RT.
SUPERELEVATION TRANSITION
FULL SUPERELEVATION e=+3.2%
FIN. GR. ELEV. 74.65
PVT 212+50.00
ELEV. 74.40
FIN. GR. ELEV. 73.00
P.G.L.
-0.40%
LT. 0.08%
RT. 0.05%
PERMIT SKETCHES
PRELIMINARY
FOR PERMITTING PURPOSES ONLY
Louisiana Department of Transportation and Development
300' V.C.
1039.71 CU. YDS. GENERAL EXCAVATION
5749.12 CU. YDS. EMBANKMENT
Preliminary Plans
Subject to Change
Road Design
74.25
69.34
68.93
68.44
68.53
69.
211+00
212+00
213+00
214+00
215+00
216+00
88
84
80
76
72
68
64
60
56
52
SHEET NUMBER 27
OUACHITA
H.007289
TWB
TWB
CDF
TWB
11/16
KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION



PERMIT SKETCHES

KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION

SHEET NUMBER 28
PARISH OUACHITA
FEDERAL PROJECT
STATE PROJECT H.007289
DESIGNED TMB
DRAWN TMB
DETAILED CDF
CHECKED TMB
DATE 11/16
SHEET

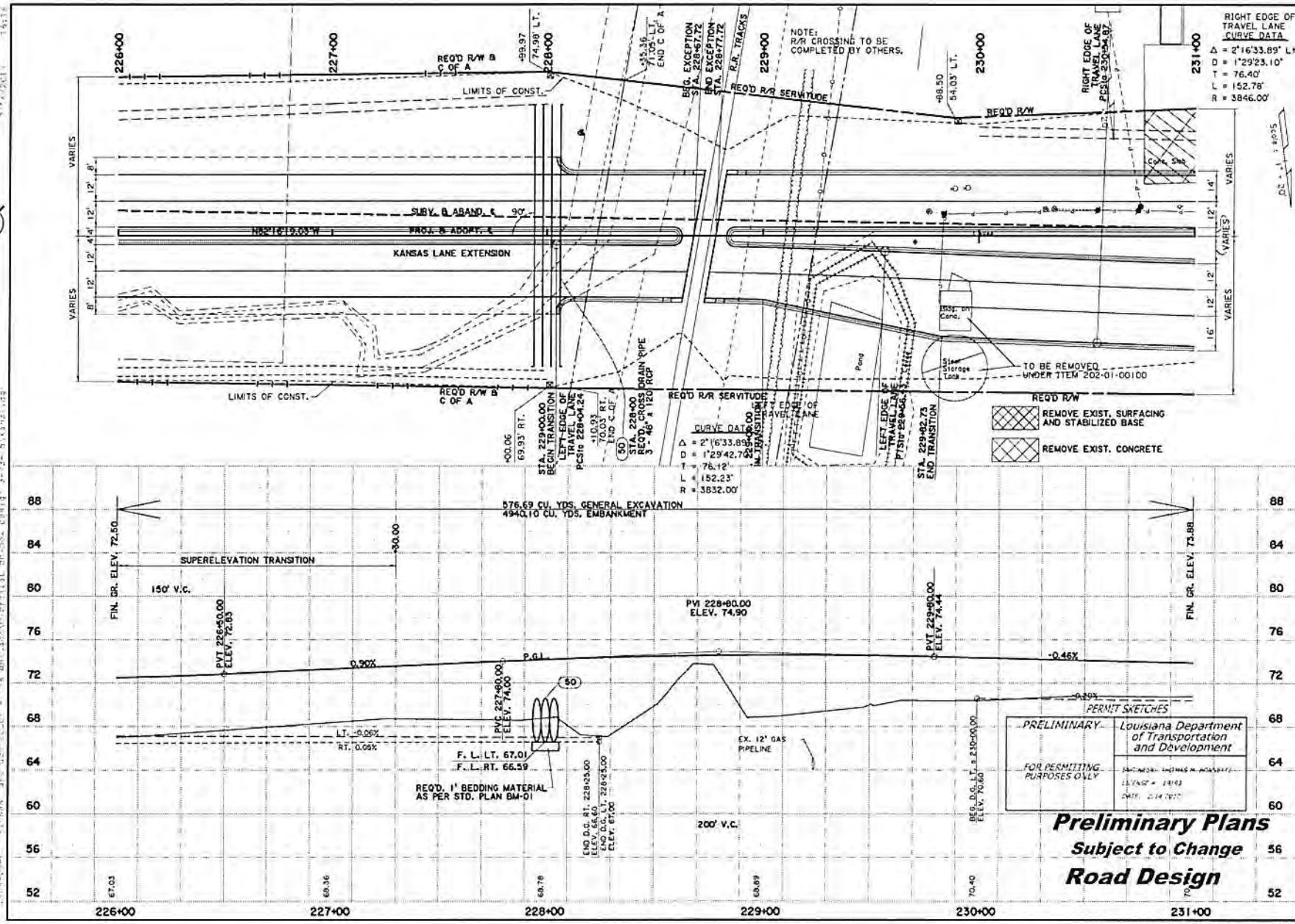


PERMIT SKETCHES

KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION

DOTD

SHEET NUMBER	29
PARISH	OUACHITA
FEDERAL PROJECT	
STATE PROJECT	H.007289
DESIGNED / CHECKED	TMB / TMB
DETAILED / CHECKED	CDF / TMB
DATE / SHEET	11/16 / 8



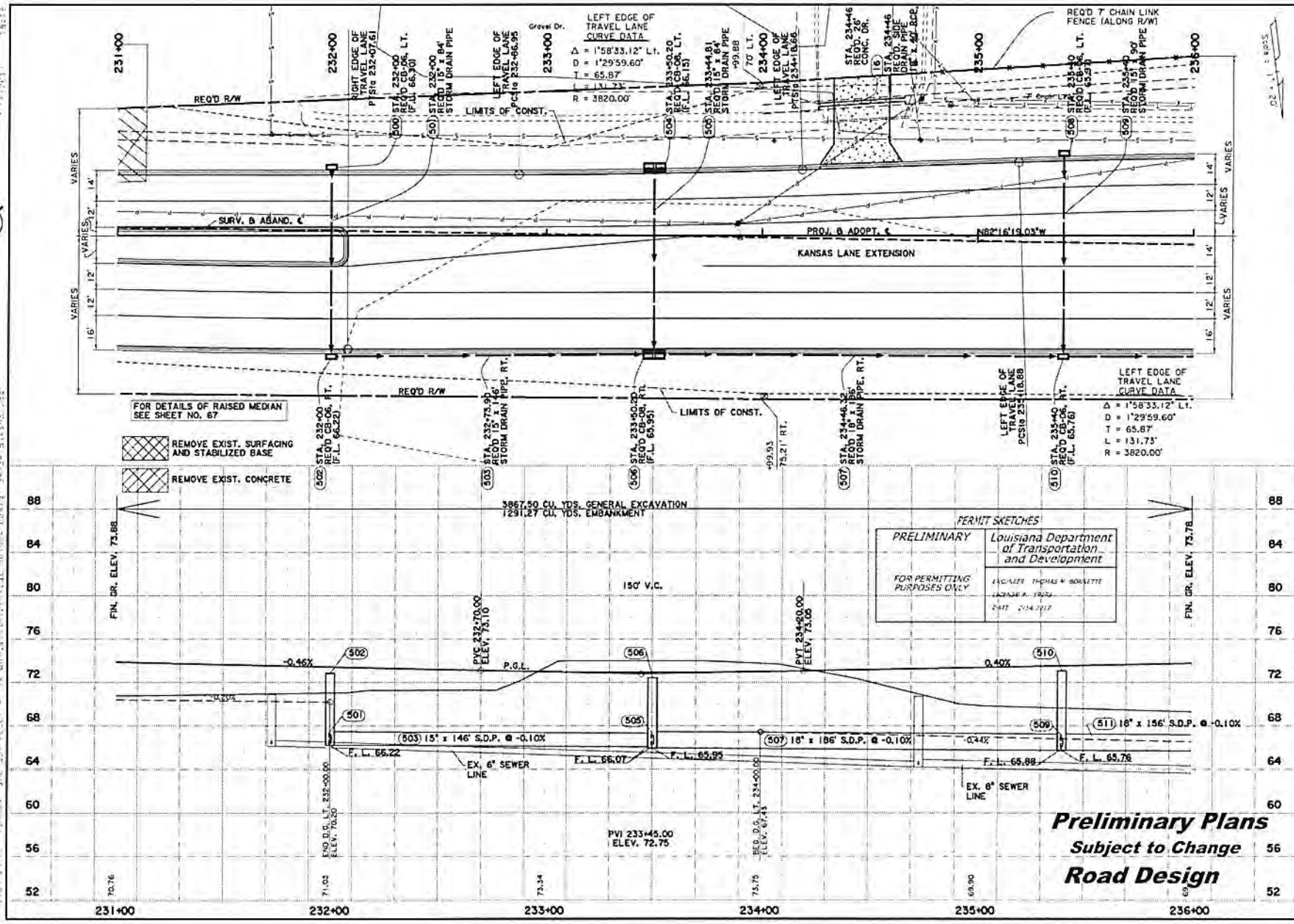
SHEET NUMBER	30
PARISH	OUACHITA
FEDERAL PROJECT	
STATE PROJECT	H.007289
DESIGNED / CHECKED	TMB / TMB
DETAILED / CHECKED	CDF / TMB
DATE / SHEET	11/16 / 8"

KANSAS LANE

PLAN AND PROFILE

KANSAS LANE EXTENSION

PERMIT SKETCHES



PERMIT SKETCHES

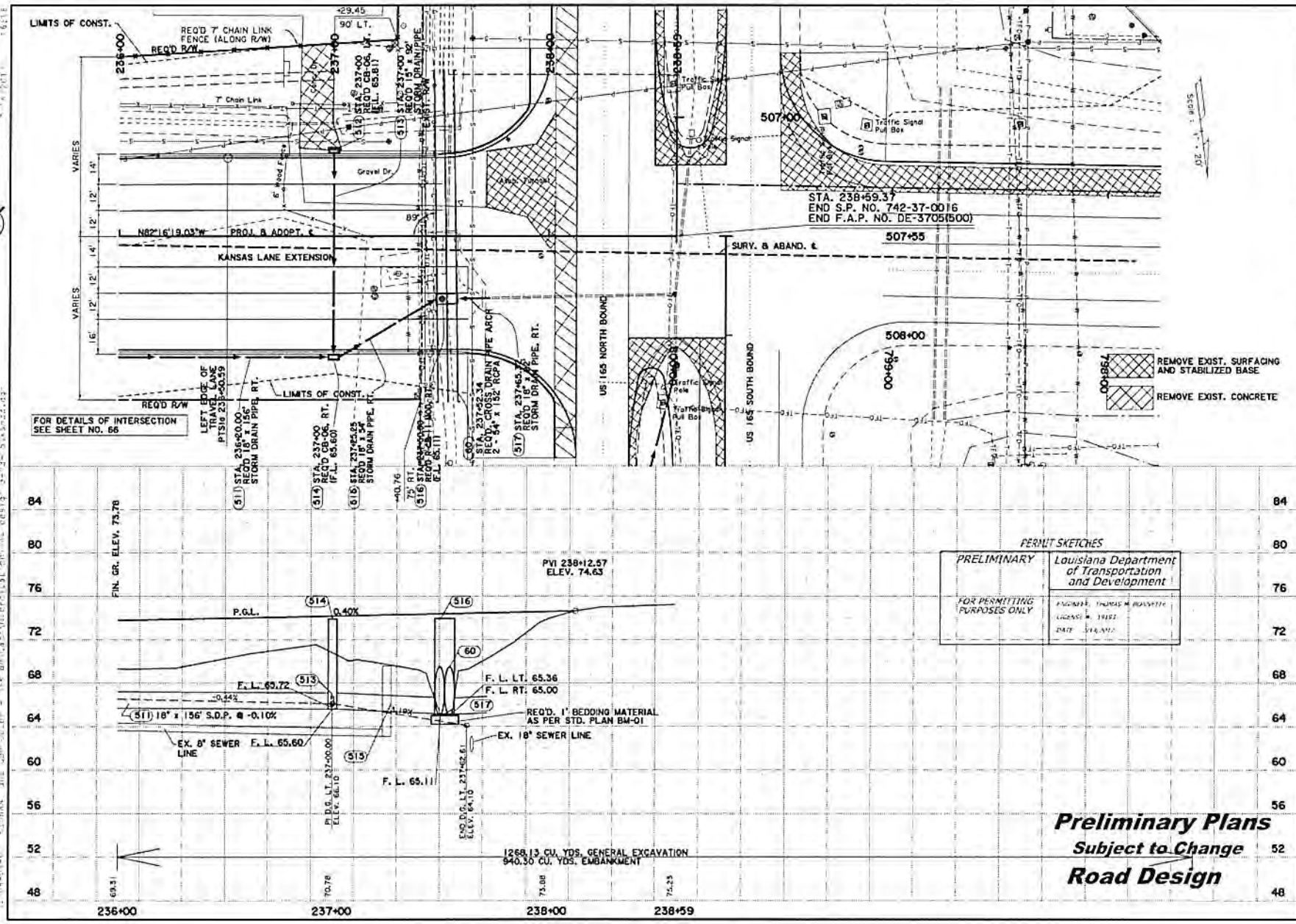
PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	ENGINEER THOMAS W. BOUDLETTE

Preliminary Plans
Subject to Change
Road Design

KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION

SHEET NUMBER 31
PARISH OUACHITA
FEDERAL PROJECT
STATE PROJECT H.007289
DESIGNED TMB
CHECKED TMB
DETAILED CDF
CHECKED TMB
DATE 11/16
SHEET

PERMIT SKETCHES



PERMIT SKETCHES

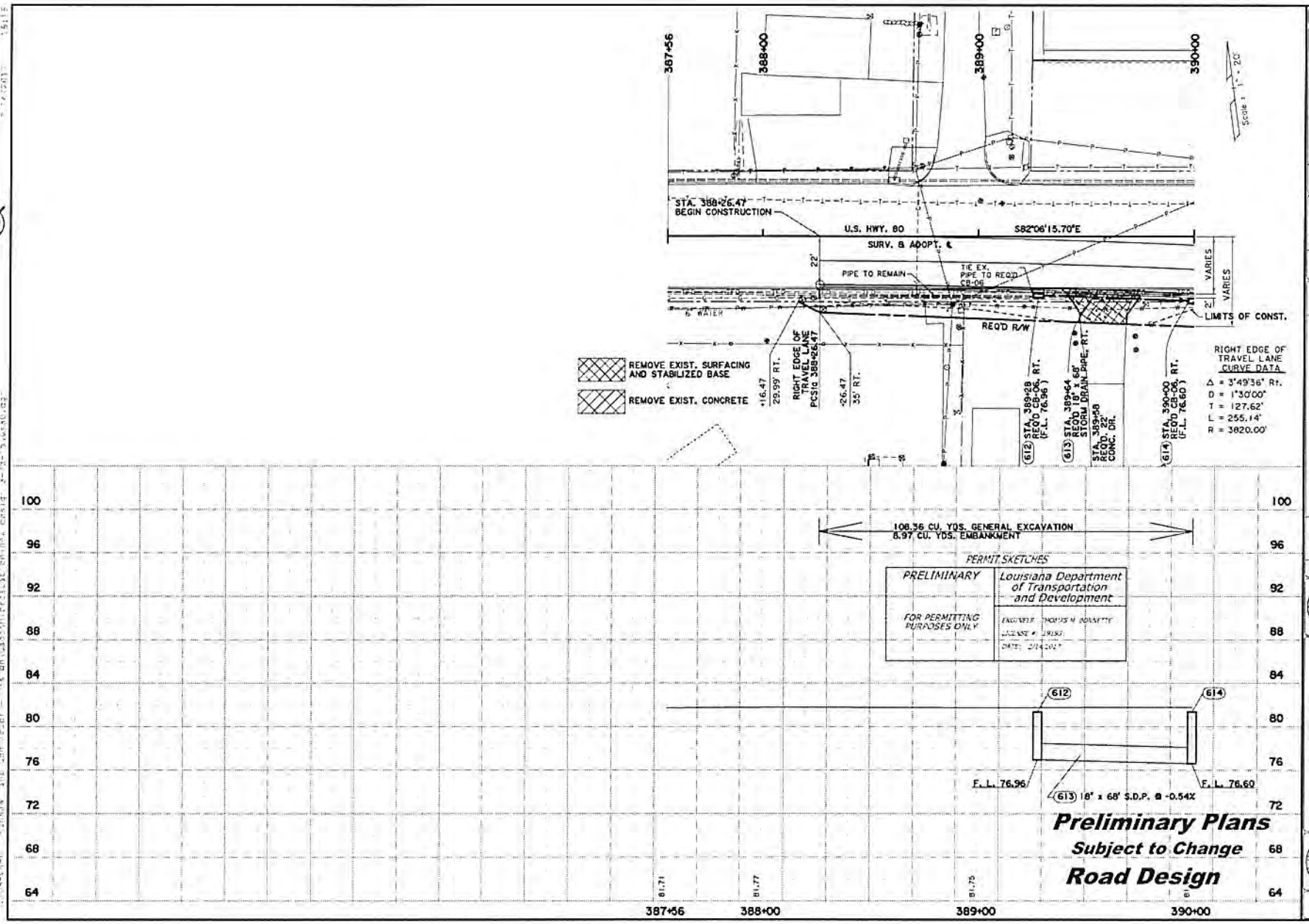
PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	ENGINEER THOMAS M. BOUSETTE LICENSE # 19181 DATE 11/16/2016

Preliminary Plans
Subject to Change
Road Design

SHEET NUMBER	32
PARISH	OUACHITA
FEDERAL PROJECT	
STATE PROJECT	H.007289
DESIGNED / DRAWN / CHECKED	TMB / TMB / TMB
DETAILED / CHECKED	CDF / TMB
DATE	11/16

KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION

PERMIT SKETCHES



SHEET NO. 33

PARISH: OUACHITA

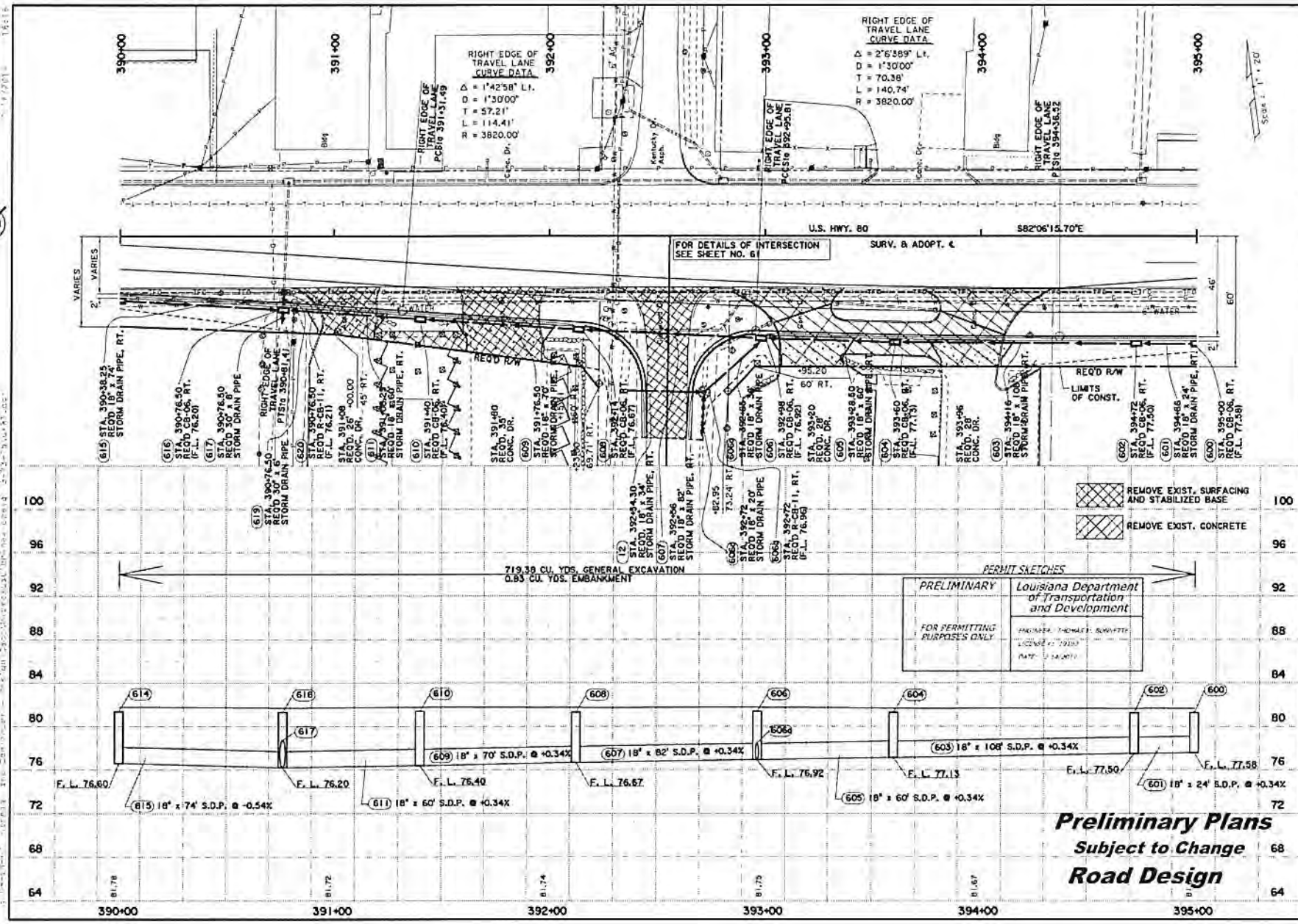
FEDERAL PROJECT:

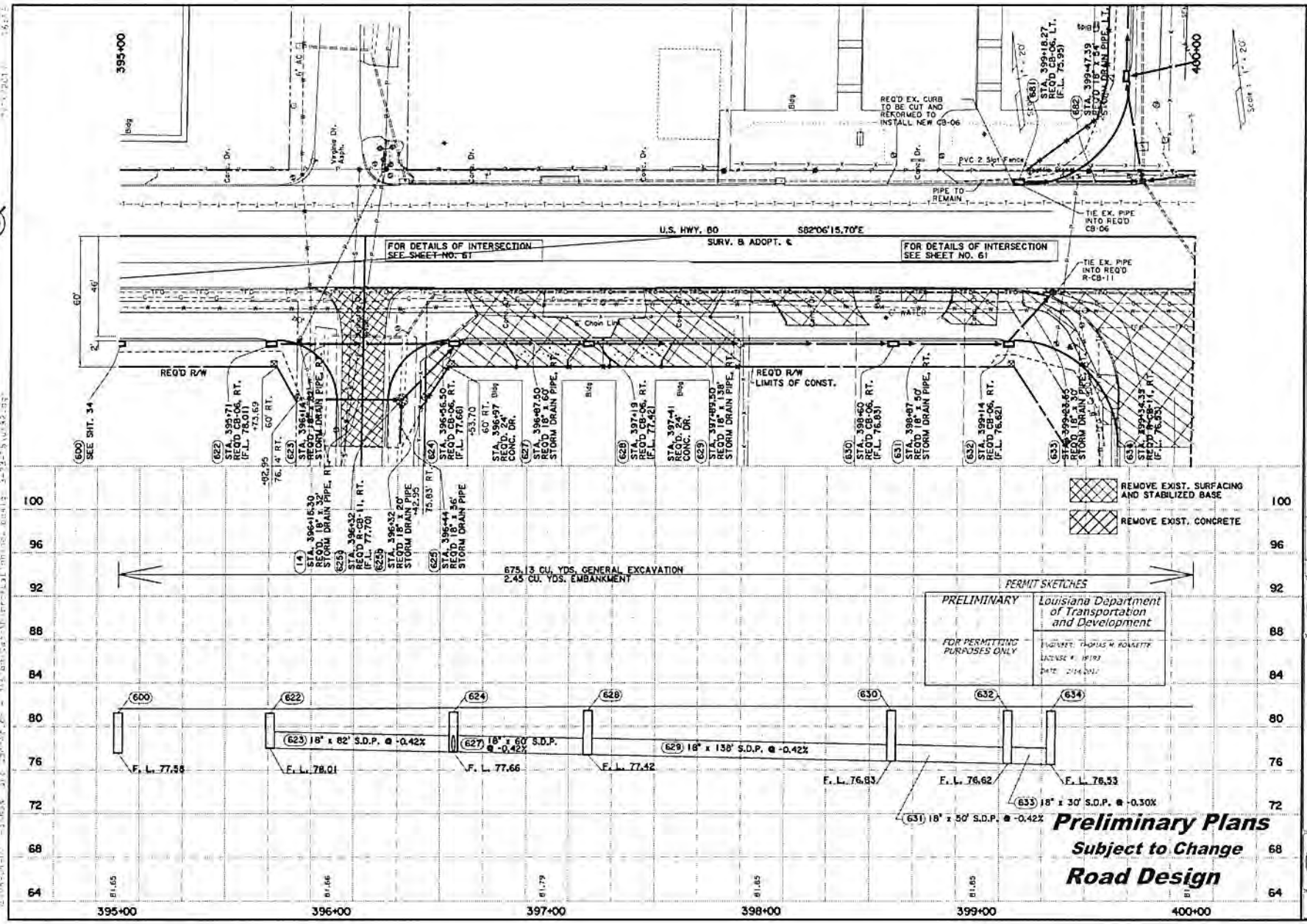
STATE PROJECT: H.007289

DESIGNED: TMB
CHECKED: TMB
DETAILED: CDF
CHECKED: TMB
DATE: 11/16

NO. DATE REVISIONS

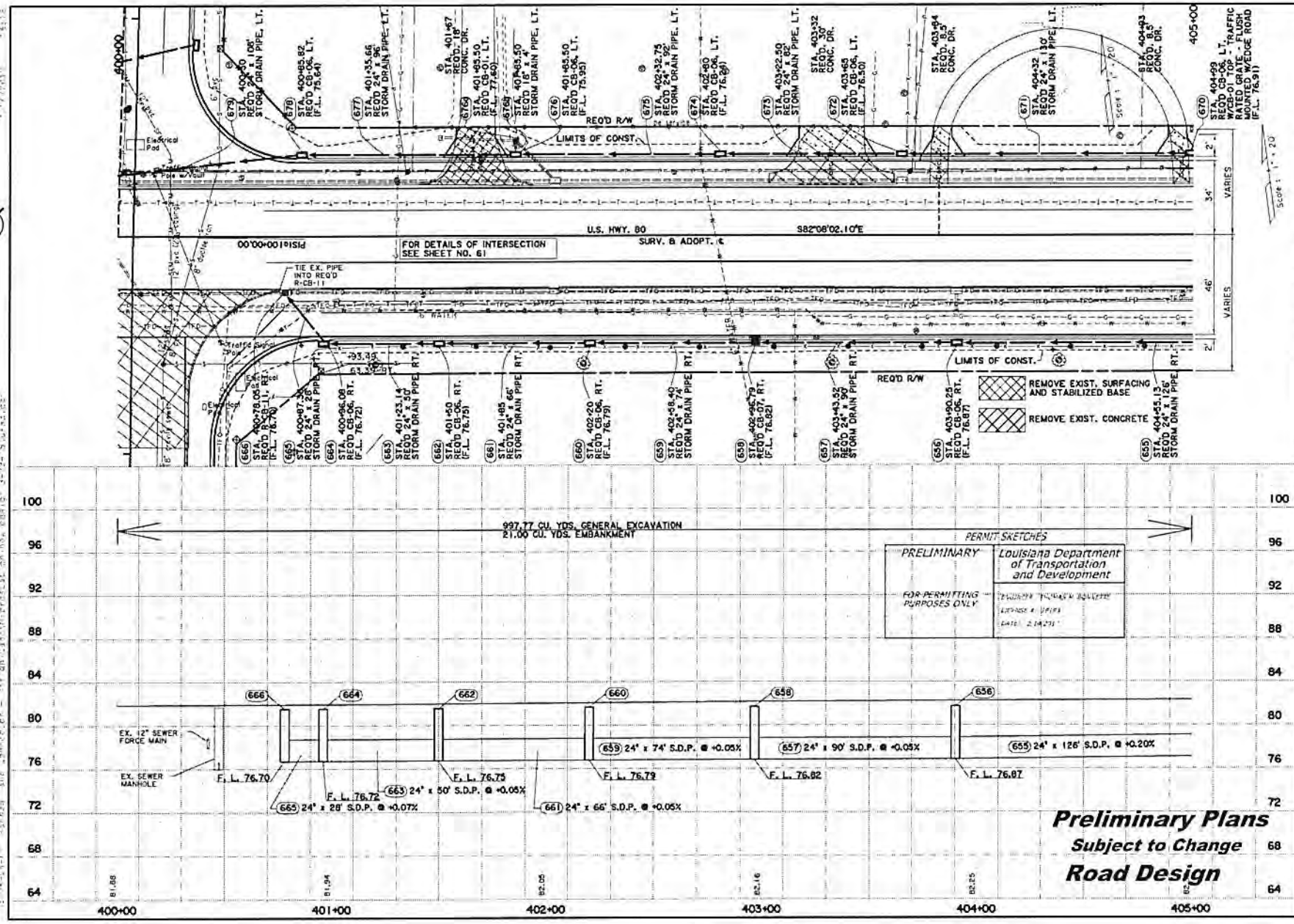
US. HWY. 80
PLAN AND PROFILE
KANSAS LANE EXTENSION


PERMIT SKETCHES
RIGHT EDGE OF TRAVEL LANE CURVE DATA
Δ = 1°42'58" Lt.
D = 1°30'00"
T = 57.21'
L = 114.41'
R = 3820.00'
RIGHT EDGE OF TRAVEL LANE CURVE DATA
Δ = 2°6'389" Lt.
D = 1°30'00"
T = 70.38'
L = 140.74'
R = 3820.00'
U.S. HWY. 80
S82°06'15.70"E
SURV. & ADOPT. ℄
FOR DETAILS OF INTERSECTION SEE SHEET NO. 61
REQ'D R/W
LIMITS OF CONST.
REMOVE EXIST. SURFACING AND STABILIZED BASE
REMOVE EXIST. CONCRETE
719.38 CU. YDS. GENERAL EXCAVATION
0.83 CU. YDS. EMBANKMENT
PERMIT SKETCHES
PRELIMINARY
FOR PERMITTING PURPOSES ONLY
Louisiana Department of Transportation and Development
615 18" x 74' S.D.P. @ -0.54%
611 18" x 60' S.D.P. @ +0.34%
609 18" x 70' S.D.P. @ +0.34%
607 18" x 82' S.D.P. @ +0.34%
605 18" x 60' S.D.P. @ +0.34%
603 18" x 108' S.D.P. @ +0.34%
601 18" x 24' S.D.P. @ +0.34%
F. L. 76.60
F. L. 76.20
F. L. 76.40
F. L. 76.67
F. L. 76.92
F. L. 77.13
F. L. 77.50
F. L. 77.58
Preliminary Plans
Subject to Change
Road Design
US. HWY. 80
PLAN AND PROFILE
KANSAS LANE EXTENSION
OUACHITA
H.007289
34



SHEET NUMBER	35
PARISH	OUACHITA
FEDERAL PROJECT	
STATE PROJECT	H.007289
DRAWN	TMG
CHECKED	TMG
DETAILED	CDF
CHECKED	TMG
DATE	11/16
SHEET	

US. HWY. 80
PLAN AND PROFILE
KANSAS LANE EXTENSION


PERMIT SKETCHES
U.S. HWY. 80
S82°08'02.10"E
SURV. & ADOPT. ℄
FOR DETAILS OF INTERSECTION SEE SHEET NO. 61
REQ'D R/W
LIMITS OF CONST.
REMOVE EXIST. SURFACING AND STABILIZED BASE
REMOVE EXIST. CONCRETE
997.77 CU. YDS. GENERAL EXCAVATION
21.00 CU. YDS. EMBANKMENT
PRELIMINARY
FOR PERMITTING PURPOSES ONLY
Louisiana Department of Transportation and Development
EX. 12" SEWER FORCE MAIN
EX. SEWER MANHOLE
(659) 24" x 74' S.D.P. @ +0.05%
(657) 24" x 90' S.D.P. @ +0.05%
(655) 24" x 126' S.D.P. @ +0.20%
(663) 24" x 50' S.D.P. @ +0.05%
(665) 24" x 28' S.D.P. @ +0.07%
(661) 24" x 66' S.D.P. @ +0.05%
F. L. 76.70
F. L. 76.72
F. L. 76.75
F. L. 76.79
F. L. 76.82
F. L. 76.87
Preliminary Plans
Subject to Change
Road Design
US. HWY. 80
PLAN AND PROFILE
KANSAS LANE EXTENSION
OUACHITA
H.007289
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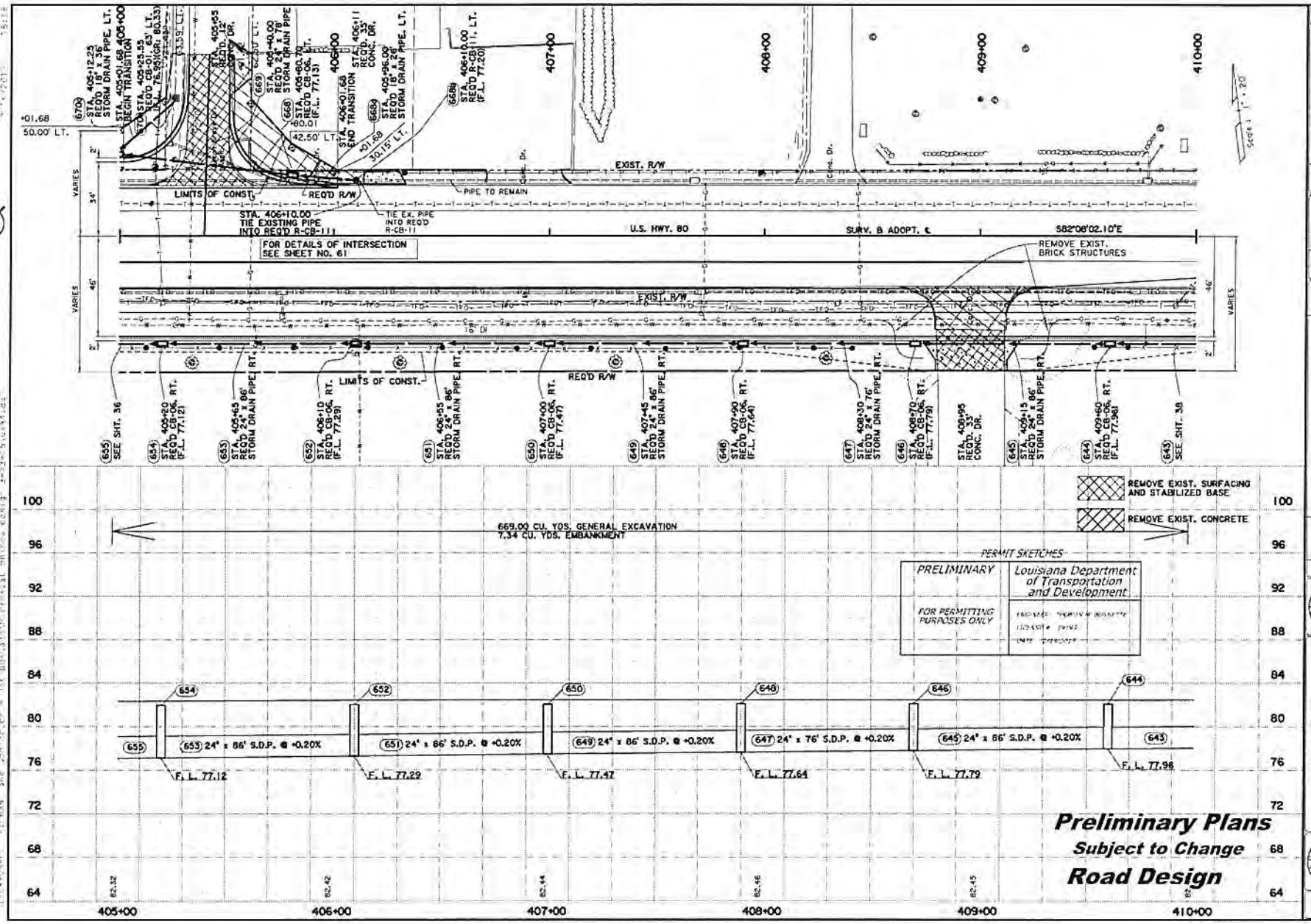
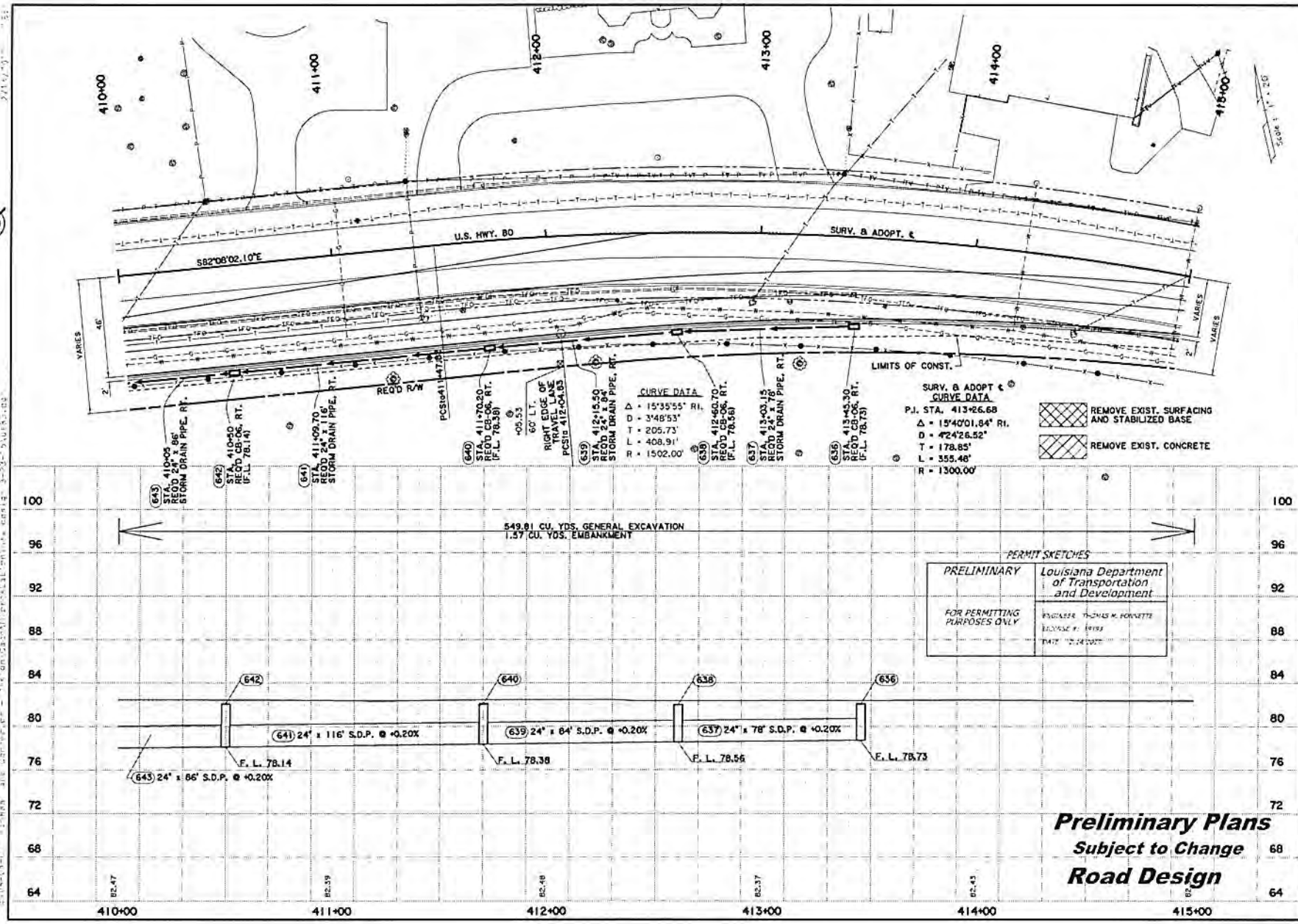

PERMIT SKETCHES
U.S. HWY. 80
SURV. & ADOPT. ℄
S82°06'02.10"E
EXIST. R/W
REQ'D R/W
LIMITS OF CONST.
PIPE TO REMAIN
FOR DETAILS OF INTERSECTION SEE SHEET NO. 61
REMOVE EXIST. BRICK STRUCTURES
REMOVE EXIST. SURFACING AND STABILIZED BASE
REMOVE EXIST. CONCRETE
669.00 CU. YDS. GENERAL EXCAVATION
7.34 CU. YDS. EMBANKMENT
653 24" x 86' S.D.P. @ +0.20%
651 24" x 86' S.D.P. @ +0.20%
649 24" x 86' S.D.P. @ +0.20%
647 24" x 76' S.D.P. @ +0.20%
645 24" x 86' S.D.P. @ +0.20%
F. L. 77.12
F. L. 77.29
F. L. 77.47
F. L. 77.64
F. L. 77.79
F. L. 77.96
405+00
406+00
407+00
408+00
409+00
410+00
PRELIMINARY
FOR PERMITTING PURPOSES ONLY
Louisiana Department of Transportation and Development
Preliminary Plans
Subject to Change
Road Design
US. HWY. 80
PLAN AND PROFILE
KANSAS LANE EXTENSION
QUACHITA
H.007289
37



PERMIT SKETCHES

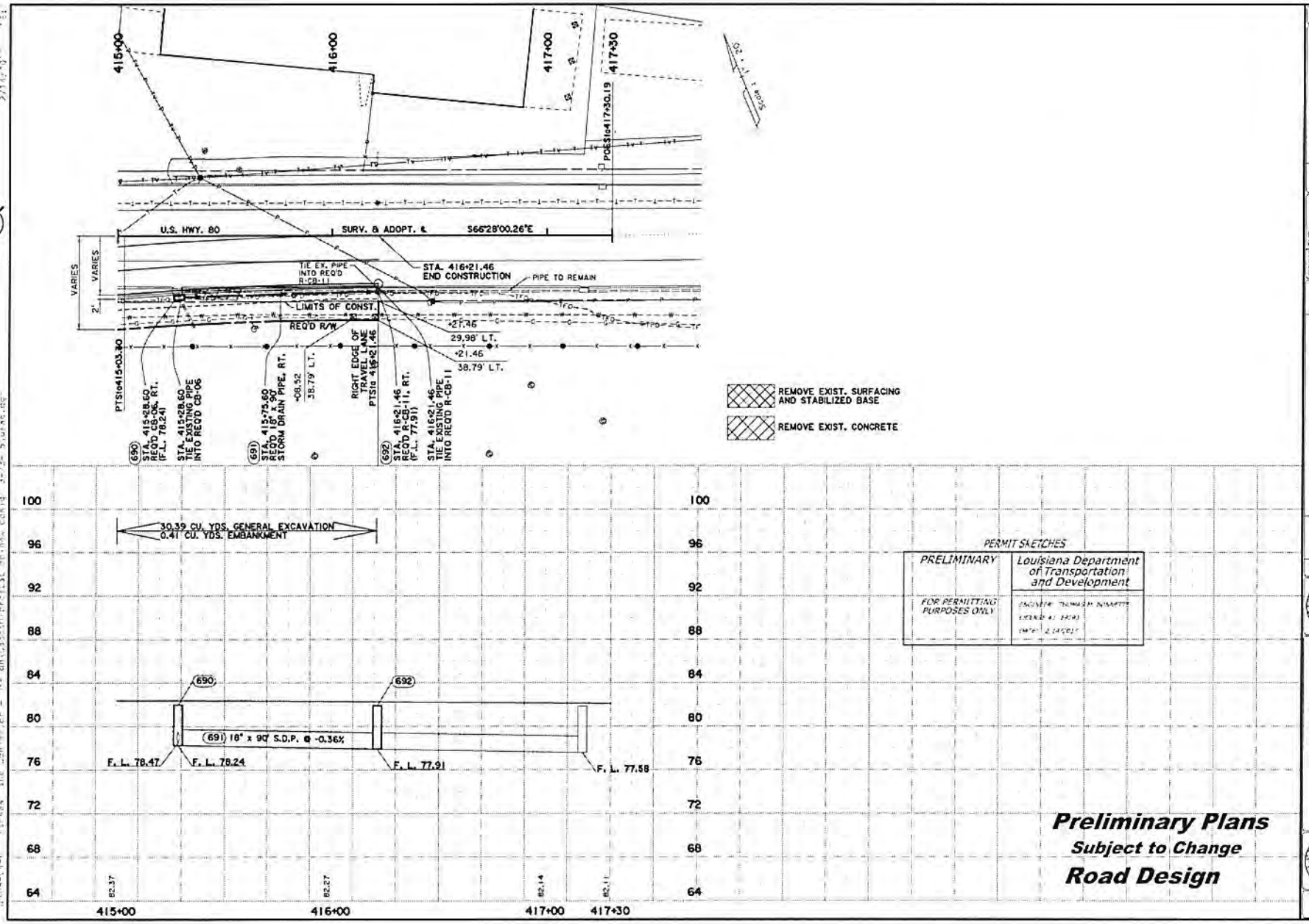
US. HWY. 80
PLAN AND PROFILE
KANSAS LANE EXTENSION

OUACHITA

H.007269

38

PERMIT SKETCHES



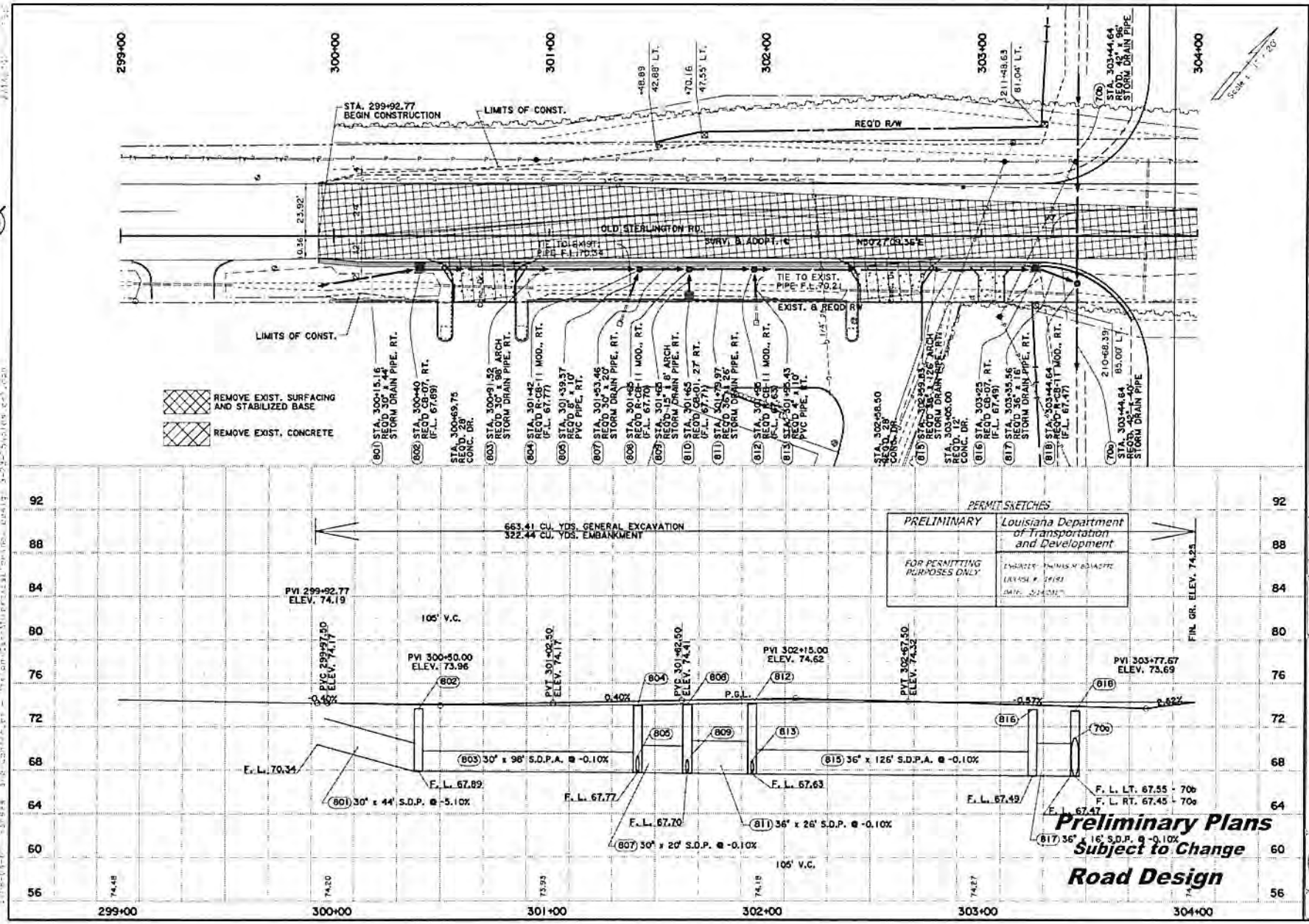
PERMIT SKETCHES

PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	ENGINEER [illegible] LICENSE NO. [illegible] DATE [illegible]

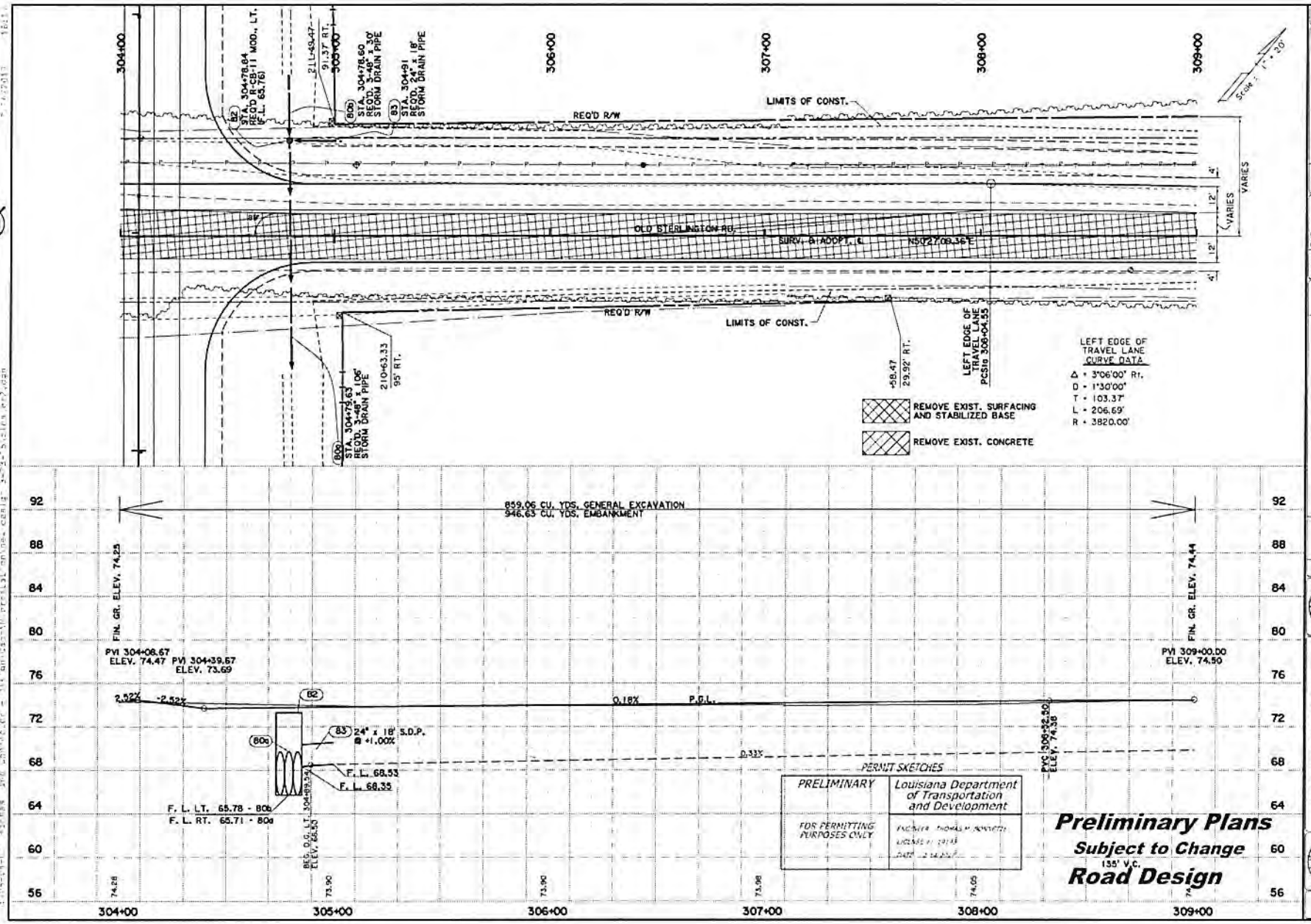
Preliminary Plans
Subject to Change
Road Design

SHEET NUMBER	38a
PARISH	OUACHITA
FEDERAL PROJECT	
STATE PROJECT	H.007289
DESIGNED	TMB
DRAWN	TMB
REVIEWED	CDF
DATE	11/16
NO.	DATE
REVISION DESCRIPTION	

US. HWY. 80
PLAN AND PROFILE
KANSAS LANE EXTENSION


PERMIT SKETCHES
STA. 299+92.77 BEGIN CONSTRUCTION
LIMITS OF CONST.
REQ'D R/W
OLD STERLINGTON RD.
SURV. & ADOPT. ℄
N00°27'09.36"E
TIE TO EXIST. PIPE F.L. 70.21
EXIST. & REQ'D R/W
REMOVE EXIST. SURFACING AND STABILIZED BASE
REMOVE EXIST. CONCRETE
663.41 CU. YDS. GENERAL EXCAVATION
322.44 CU. YDS. EMBANKMENT
PRELIMINARY
FOR PERMITTING PURPOSES ONLY
Louisiana Department of Transportation and Development
PVI 299+92.77 ELEV. 74.19
PVC 299+97.50 ELEV. 74.17
PVI 300+50.00 ELEV. 73.96
PVT 301+02.50 ELEV. 74.17
PVC 301+62.50 ELEV. 74.41
PVI 302+15.00 ELEV. 74.62
PVT 302+67.50 ELEV. 74.32
PVI 303+77.67 ELEV. 73.69
FIN. GR. ELEV. 74.25
P.G.L.
-0.40%
0.40%
-0.57%
0.62%
105' V.C.
(801) 30" x 44' S.D.P. @ -5.10%
(803) 30" x 98' S.D.P.A. @ -0.10%
(807) 30" x 20' S.D.P. @ -0.10%
(811) 36" x 26' S.D.P. @ -0.10%
(815) 36" x 126' S.D.P.A. @ -0.10%
(817) 36" x 16' S.D.P. @ -0.10%
F. L. 70.34
F. L. 67.89
F. L. 67.77
F. L. 67.70
F. L. 67.63
F. L. 67.49
F. L. 67.47
F. L. LT. 67.55 - 70b
F. L. RT. 67.45 - 70a
Preliminary Plans
Subject to Change
Road Design
OLD STERLINGTON ROAD
PLAN AND PROFILE
KANSAS LANE EXTENSION
OUACHITA
H.007289
11/16
39

PERMIT SKETCHES



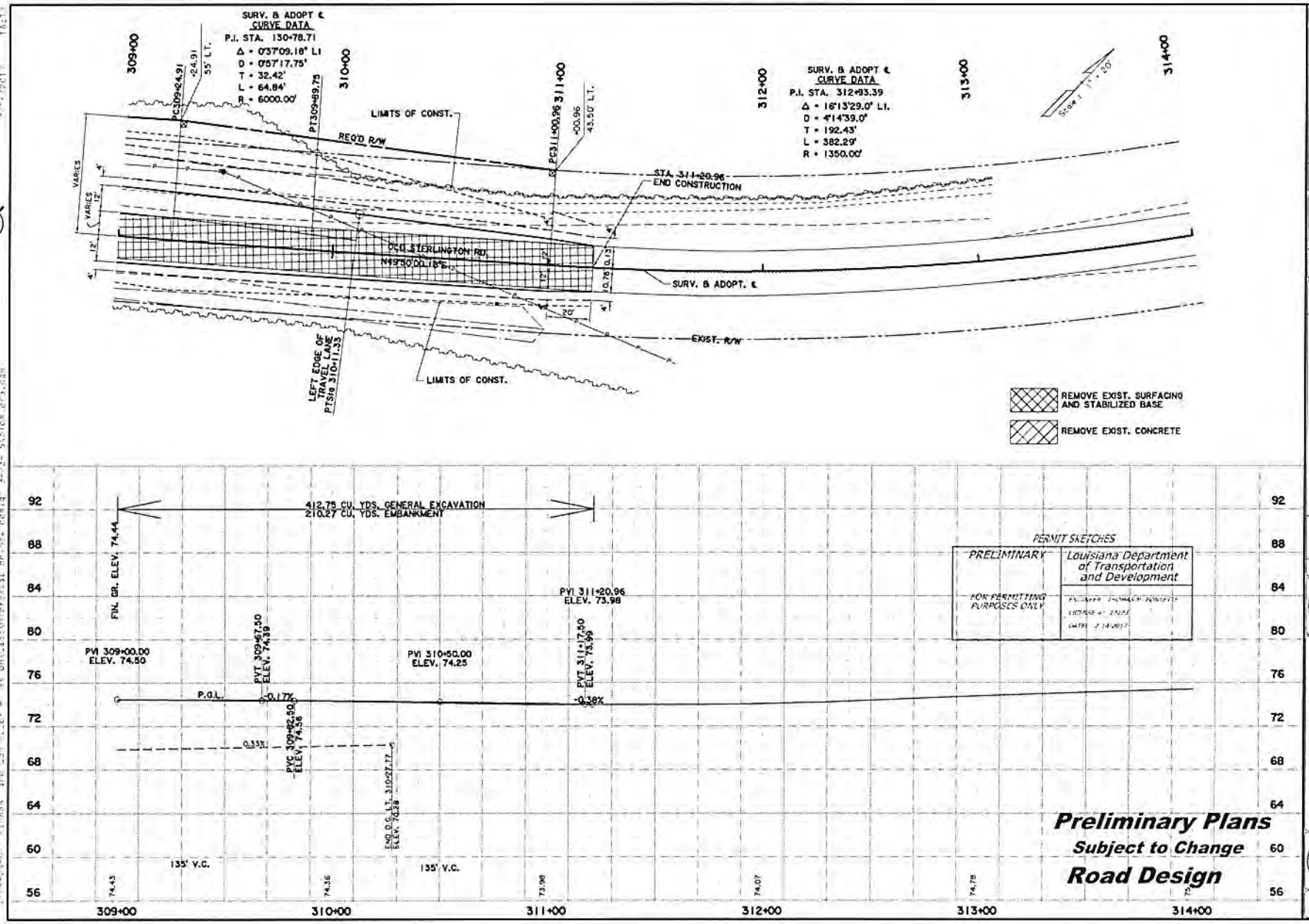
PERMIT SKETCHES

PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	ENGINEER THOMAS M. MOVICHITZ LICENSE # 19133 DATE 2-14-2017

Preliminary Plans
Subject to Change
135' V.C.
Road Design

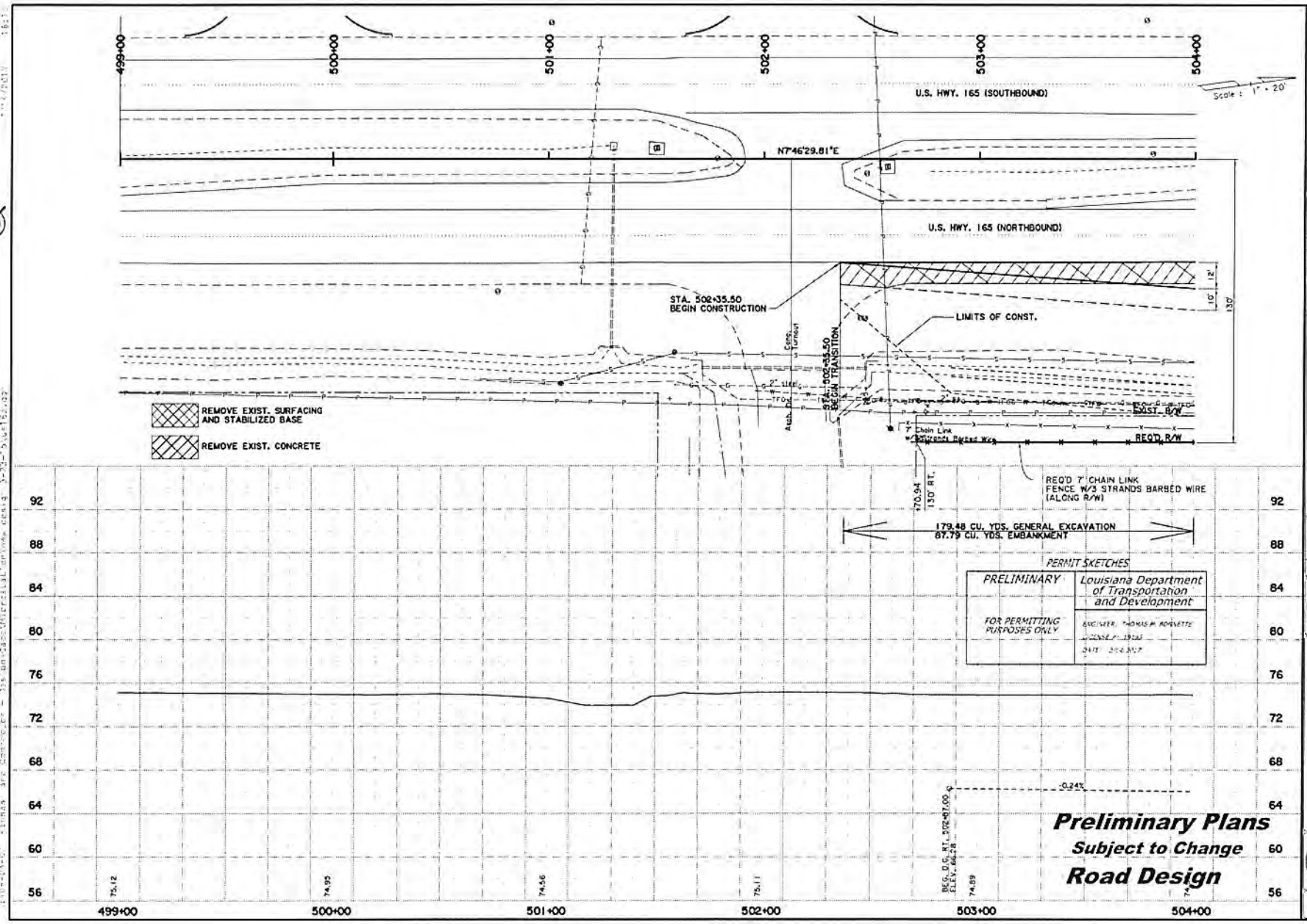
SHEET NUMBER 40
PARISH OUACHITA
FEDERAL PROJECT
STATE PROJECT H.007289
DESIGNED TMB
CHECKED TMB
DETAILED CDF
CHECKED TMB
DATE 11/16

OLD STERLINGTON ROAD
PLAN AND PROFILE
KANSAS LANE EXTENSION



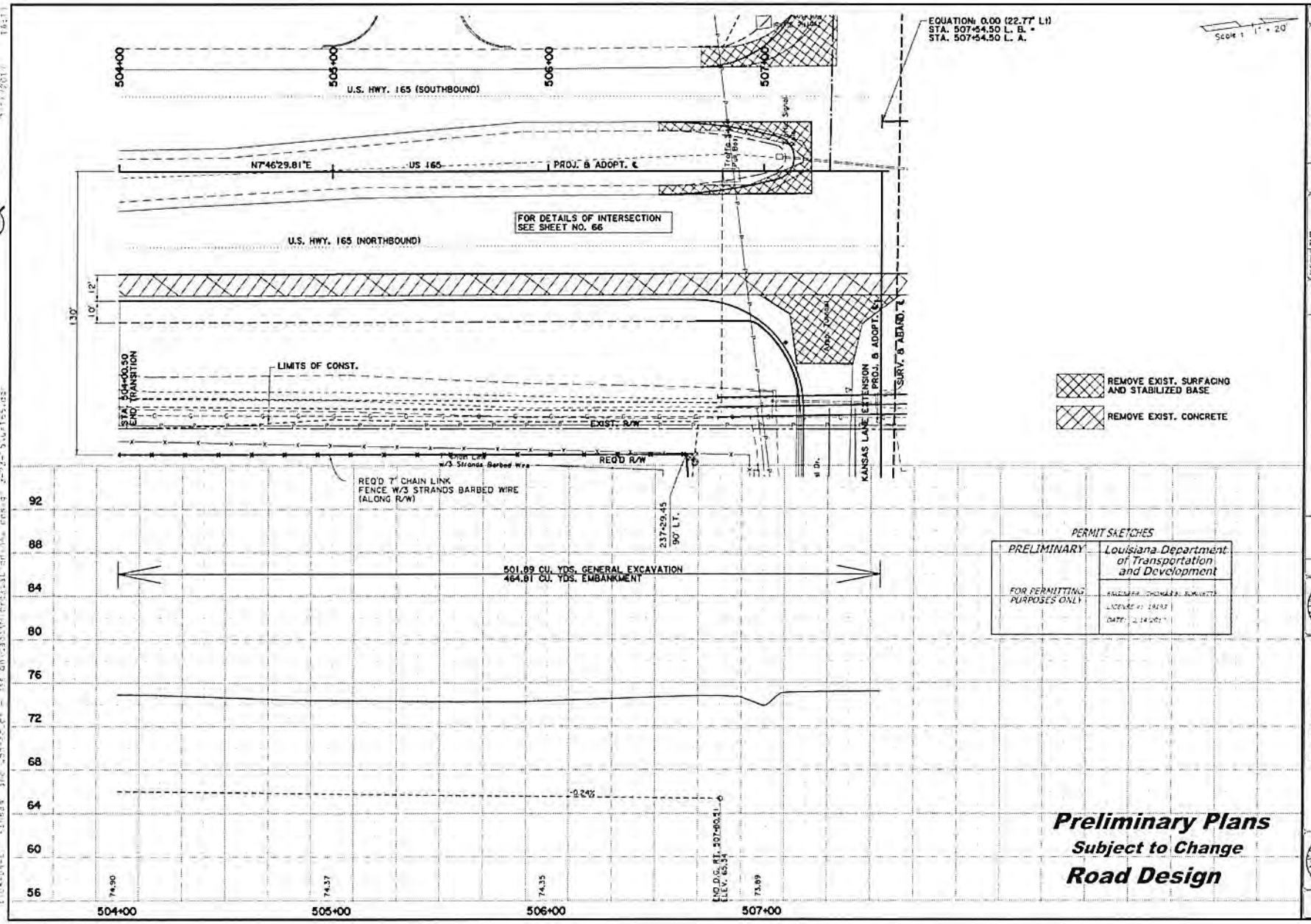
PERMIT SKETCHES

PERMIT SKETCHES



SHEET NUMBER	42
PARISH	OUACHITA
FEDERAL PROJECT	
STATE PROJECT	H.007289
DESIGNED	TMB
DRAWN	TMB
CHECKED	TMB
DETAILED	CDF
CHECKED	TMB
DATE	11/16
SHEET	

US. HWY. 165
PLAN AND PROFILE
KANSAS LANE EXTENSION


504+00
505+00
506+00
507+00
U.S. HWY. 165 (SOUTHBOUND)
N7°46'29.81"E
US 165
PROJ. ℄ ADOPT. ℄
FOR DETAILS OF INTERSECTION
SEE SHEET NO. 66
U.S. HWY. 165 (NORTHBOUND)
EQUATION: 0.00 (22.77' L.)
STA. 507+54.50 L. B. =
STA. 507+54.50 L. A.
Scale: 1" = 20'
130'
10'
12'
STA. 504+00.50
END TRANSITION
LIMITS OF CONST.
EXIST. R/W
REQ'D R/W
REQ'D 7' CHAIN LINK
FENCE W/3 STRANDS BARBED WIRE
(ALONG R/W)
237+29.45
90' LT.
KANSAS LANE EXTENSION
PROJ. ℄ ADOPT. ℄
SURV. ℄ ABAND. ℄
REMOVE EXIST. SURFACING
AND STABILIZED BASE
REMOVE EXIST. CONCRETE
501.69 CU. YDS. GENERAL EXCAVATION
464.81 CU. YDS. EMBANKMENT
92
88
84
80
76
72
68
64
60
56
-0.24%
END D.G. RT. 507+90.51
ELEV. 65.54
74.90
74.37
74.35
73.89
504+00
505+00
506+00
507+00
PERMIT SKETCHES
PRELIMINARY
FOR PERMITTING PURPOSES ONLY
Louisiana Department of Transportation and Development
Preliminary Plans
Subject to Change
Road Design
US. HWY. 165
PLAN AND PROFILE
KANSAS LANE EXTENSION
OUACHITA
H.007289
TWB
CDF
11/16
43

PERMIT SKETCHES

507+55 508+00 509+00 510+00

799+00

Scale 1" = 20'

EQUATION: 0.00 (22.77' LT.)
STA. 507+54.50 L. B. =
STA. 507+54.50 L. A.

U.S. HWY. 165 (SOUTHBOUND)

STA. 508+01.35
BEGIN CONSTRUCTION

REMOVE EXIST. CATCH BASIN & TIE EXIST. 18" RCP INTO REQ'D R-CB-11.

PROJ. & ADOPT. &

N7°43'38.28"E

PIPES & MH TO REMAIN

Traffic Signal Pole

Traffic Signal Pull Box

EL

GRATE ELEV. 74.04

U.S. HWY. 165 (NORTHBOUND)

FOR DETAILS OF INTERSECTION SEE SHEET NO. 66

REMOVE EXIST. SURFACING AND STABILIZED BASE

REMOVE EXIST. CONCRETE

PROJ. & ADOPT. &

SURV. & ABAND. &

KANSAS LANE EXTENSION

STA. 508+11.76 REQ'D R-CB-11, RT. (F.L. 71.20)

STA. 508+35.02 REQ'D 18" x 50' STORM DRAIN PIPE, RT.

STA. 508+63.83 REQ'D CB-01, RT. (F.L. 71.40)

404 401 402

237+40.76 75' RT.

208.88 CU. YDS. GENERAL EXCAVATION
6.44 CU. YDS. EMBANKMENT

PERMIT SKETCHES

PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	ENGINEER: THOMAS M. BOUDREAUX LICENSE #: [illegible] DATE: [illegible]

402

0.09%

F. L. 71.40

F. L. 71.20

401 18" x 50' S.D.P. @ +1.68%

P.L.O.G. RT. 508+63.34
ELEV. 74.04

75.66 75.75 76.03 76.

96 92 88 84 80 76 72 68 64 60

Preliminary Plans
Subject to Change
Road Design

SHEET NUMBER 44

PARISH OUACHITA

FEDERAL PROJECT

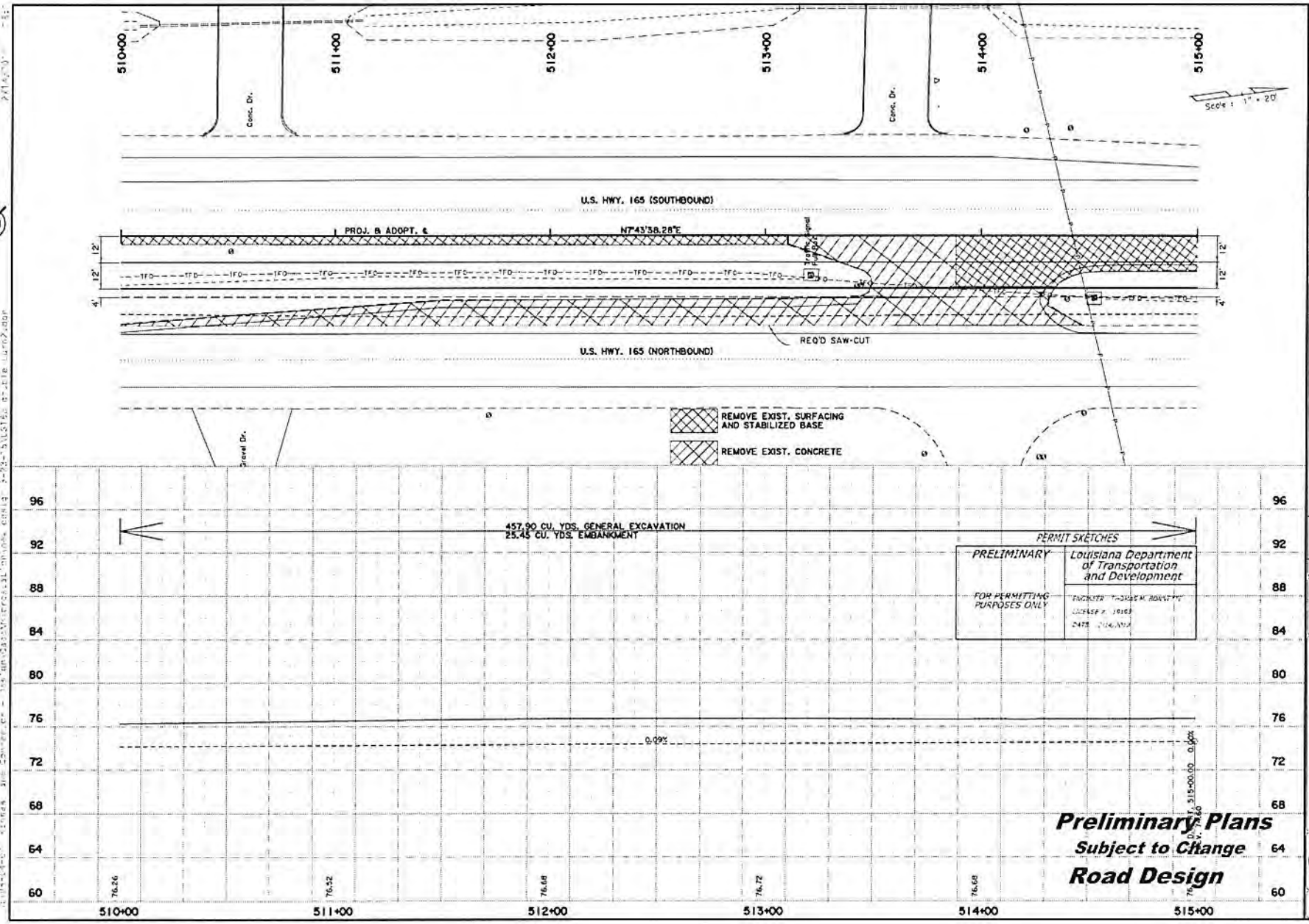
STATE PROJECT H.007269

DESIGNED TMB
CHECKED TMB
DETAILED CDF
CHECKED TMB
DATE 11/16
SHEET

DATE

US. HWY. 165
PLAN AND PROFILE
KANSAS LANE EXTENSION

PERMIT SKETCHES



SHEET NUMBER 44a

PARISH: OUACHITA

FEDERAL PROJECT:

STATE PROJECT: H.007289

DESIGNED TMB CHECKED TMB

DETAILED CDP CHECKED TMB

DATE 11/16

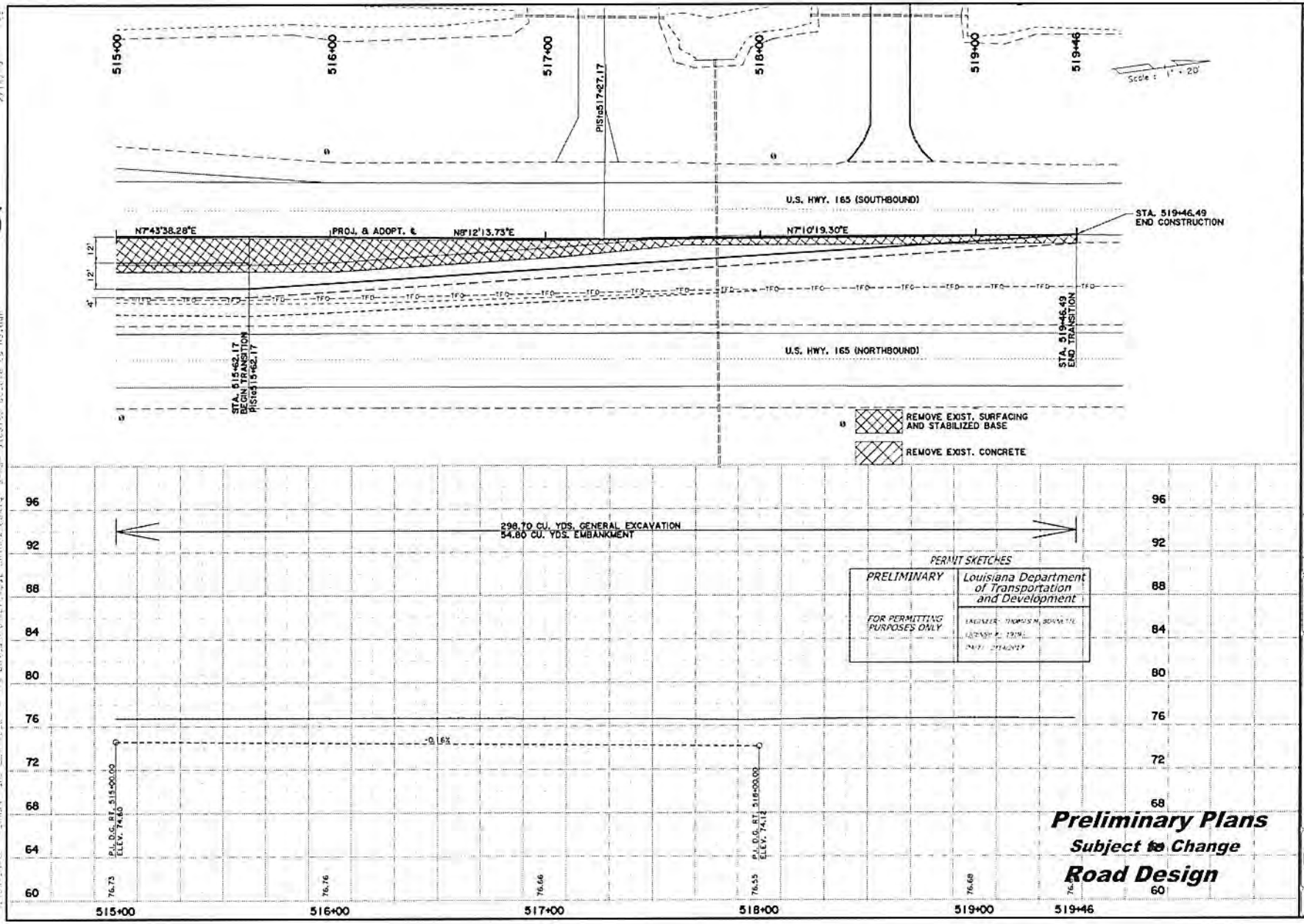
REVISION DESCRIPTION

DATE

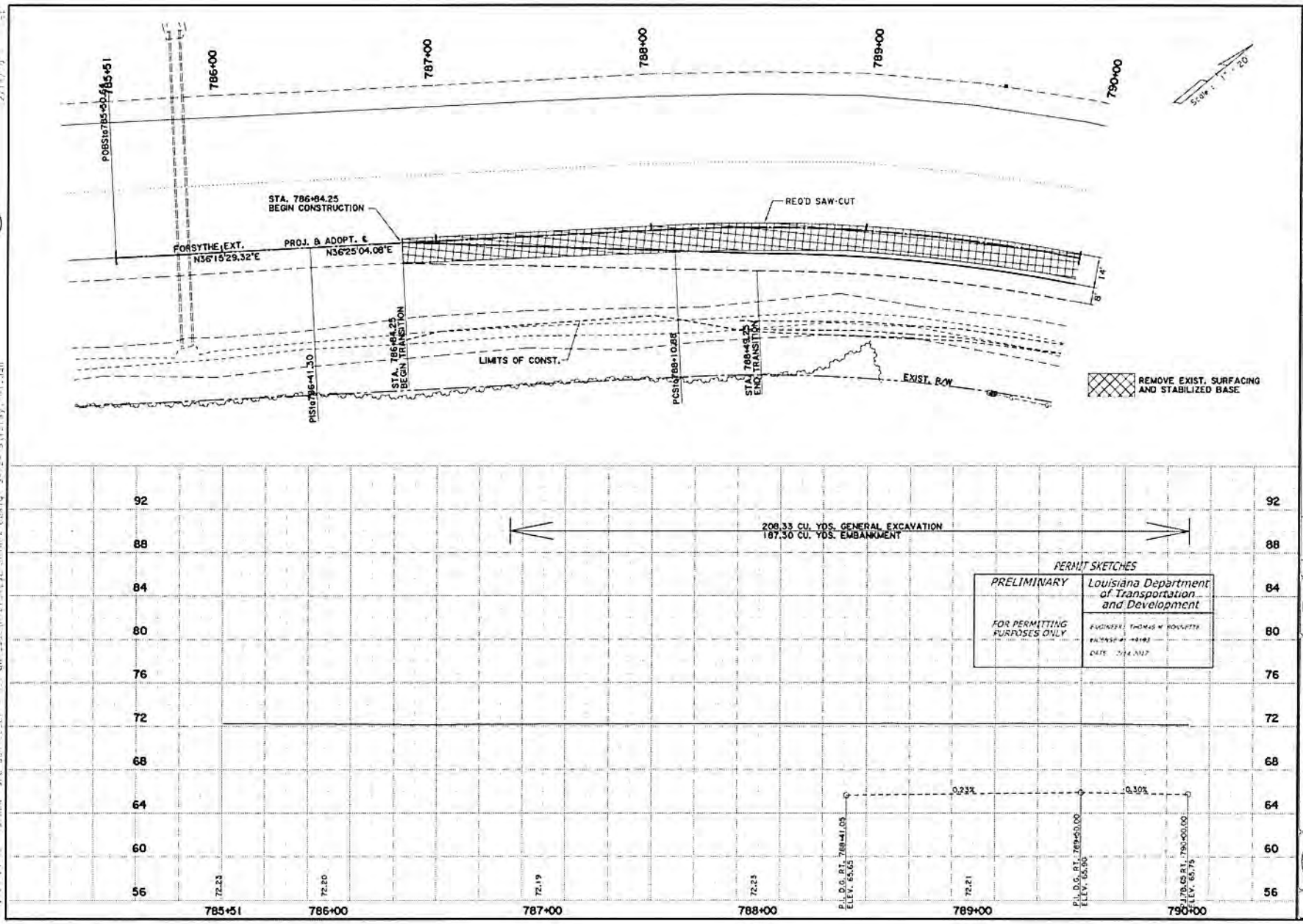
US. HWY. 165

PLAN AND PROFILE

KANSAS LANE EXTENSION


515+00
516+00
517+00
518+00
519+00
519+46
PIS1a517+27.17
Scale : 1" = 20'
U.S. HWY. 165 (SOUTHBOUND)
STA. 519+46.49
END CONSTRUCTION
N7°43'38.28"E
PROJ. & ADOPT. ℄
N8°12'13.73"E
N7°10'19.30"E
12'
12'
4'
STA. 515+62.17
BEGIN TRANSITION
PIS1a515+62.17
STA. 519+46.49
END TRANSITION
U.S. HWY. 165 (NORTHBOUND)
REMOVE EXIST. SURFACING AND STABILIZED BASE
REMOVE EXIST. CONCRETE
298.70 CU. YDS. GENERAL EXCAVATION
54.80 CU. YDS. EMBANKMENT
PERMIT SKETCHES
PRELIMINARY
FOR PERMITTING PURPOSES ONLY
Louisiana Department of Transportation and Development
-0.16%
P.J. O.G. RT. 515+00.00
ELEV. 74.80
P.J. O.G. RT. 518+00.00
ELEV. 74.12
76.73
76.76
76.66
76.55
76.68
96
92
88
84
80
76
72
68
64
60
515+00
516+00
517+00
518+00
519+00
519+46
Preliminary Plans
Subject to Change
Road Design
PERMIT SKETCHES
SHEET NUMBER 44b
PARISH OUACHITA
FEDERAL PROJECT
STATE PROJECT H.007289
DESIGNED TMB
CHECKED TMB
DETAILED CDF
CHECKED TMB
DATE 11/16
US. HWY. 165
PLAN AND PROFILE
KANSAS LANE EXTENSION

PERMIT SKETCHES

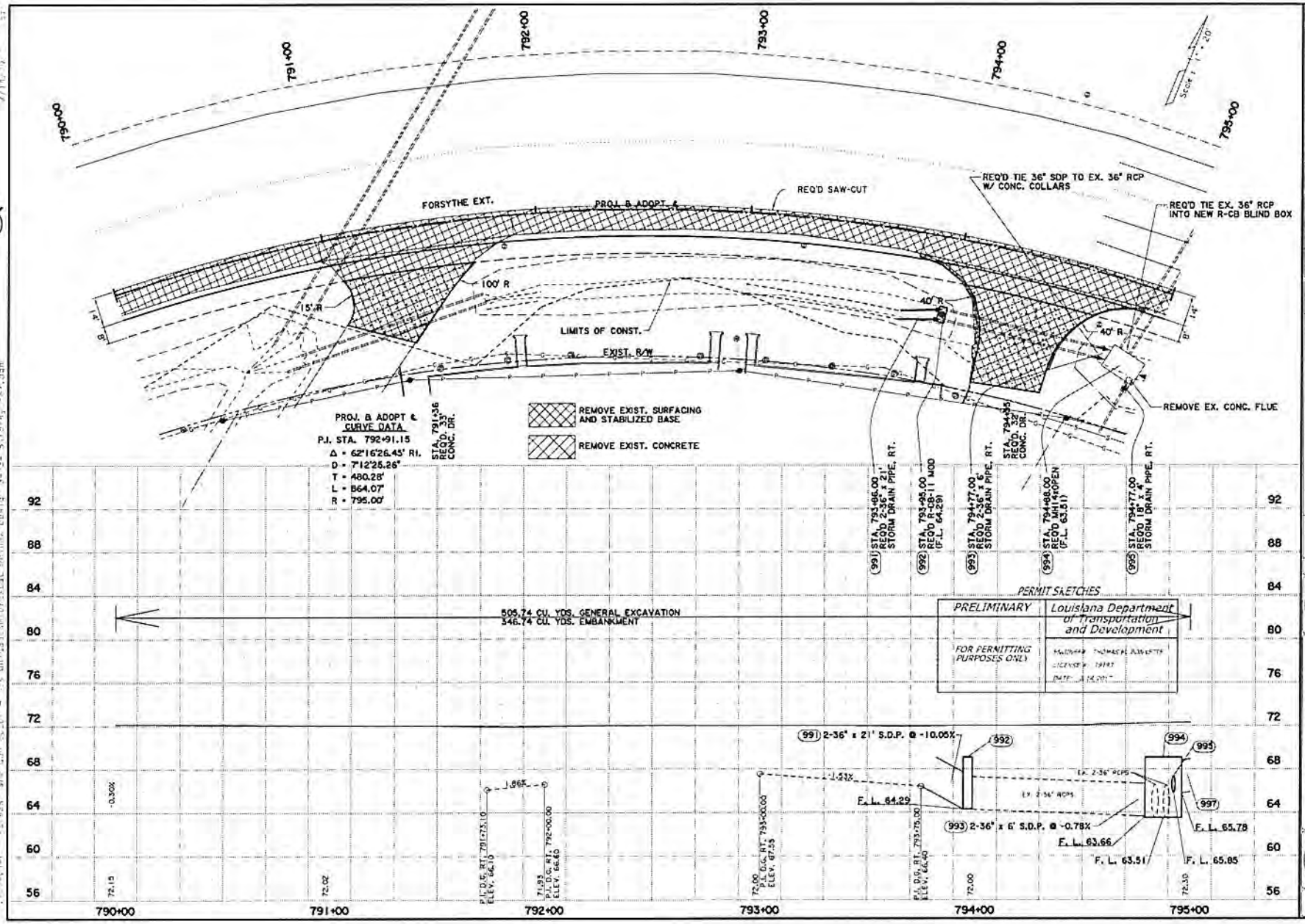


SHEET NUMBER	44c
PARISH	OUACHITA
FEDERAL PROJECT	
STATE PROJECT	H.007289
DESIGNED	TWB
CHECKED	TWB
DETAILED	CDF
CHECKED	TWB
DATE	11/16

FORSYTHE EXTENSION

PLAN AND PROFILE

KANSAS LANE EXTENSION


PERMIT SKETCHES
790+00
791+00
792+00
793+00
794+00
795+00
FORSYTHE EXT.
PROJ. & ADOPT ℄
REQ'D SAW-CUT
REQ'D TIE 36" SDP TO EX. 36" RCP W/ CONC. COLLARS
REQ'D TIE EX. 36" RCP INTO NEW R-CB BLIND BOX
100' R
15' R
40' R
40' R
LIMITS OF CONST.
EXIST. R/W
REMOVE EX. CONC. FLUE
PROJ. & ADOPT ℄ CURVE DATA
P.I. STA. 792+91.15
Δ = 62°16'26.45" Rt.
D = 7°12'25.26"
T = 480.28'
L = 864.07'
R = 795.00'
STA. 791+36 REQ'D. 33" CONC. DR.
STA. 794+35 REQ'D. 33" CONC. DR.
REMOVE EXIST. SURFACING AND STABILIZED BASE
REMOVE EXIST. CONCRETE
991 STA. 793+66.00 REQ'D 2-36" x 21' STORM DRAIN PIPE, RT.
992 STA. 793+95.00 REQ'D R-CB-11 MOD (F.L. 64.29)
993 STA. 794+77.00 REQ'D 2-36" x 6' STORM DRAIN PIPE, RT.
994 STA. 794+68.00 REQ'D MH(14'OPEN) (F.L. 63.51)
995 STA. 794+77.00 REQ'D 18" x 4' STORM DRAIN PIPE, RT.
505.74 CU. YDS. GENERAL EXCAVATION
346.74 CU. YDS. EMBANKMENT
PRELIMINARY
FOR PERMITTING PURPOSES ONLY
Louisiana Department of Transportation and Development
991 2-36" x 21' S.D.P. @ -10.05%
992
994
995
997
993 2-36" x 6' S.D.P. @ -0.78%
-1.31%
-1.86%
-0.30%
F. L. 64.29
F. L. 63.66
F. L. 63.51
F. L. 65.78
F. L. 65.85
EX. 2-36" RCPS
P.I. D.C. RT. STA. 791+73.10 ELEV. 66.10
P.I. D.C. RT. STA. 792+00.00 ELEV. 66.60
P.I. D.C. RT. STA. 793+00.00 ELEV. 67.55
P.I. D.C. RT. STA. 793+75.00 ELEV. 66.40
72.15
72.02
71.93
72.00
72.00
72.10
92
88
84
80
76
72
68
64
60
56
790+00
791+00
792+00
793+00
794+00
795+00
SHEET NUMBER 44d
PARISH OUACHITA
FEDERAL PROJECT
STATE PROJECT H.007269
DESIGNED TMB
CHECKED TMB
DETAILED CDF
CHECKED TMB
DATE 11/16
FORSYTHE EXTENSION
PLAN AND PROFILE
KANSAS LANE EXTENSION

PERMIT SKETCHES

795+00 796+00 797+00 798+00 799+00 800+00

FOR DETAILS OF INTERSECTION SEE SHEET NO. 66

FORSYTHE EXT.

REQ'D SAW-CUT

PROJ. ℄ ADOPT. ℄ S81°18'29.47"E

STA. 799+53.54 END CONSTRUCTION

LIMITS OF CONST.

EXIST. R/W

PT STA. 796+74.95

Traffic Signal Pull Box

REMOVE EXIST. SURFACING AND STABILIZED BASE

REMOVE EXIST. CONCRETE

(997) STA. 795+00.00 REQ'D 36" x 23' STORM DRAIN PIPE, RT.

STA. 796+46 REQ'D. 36" CONC. DR.

STA. 797+18 REQ'D. 35' CONC. DR.

415.39 CU. YDS. GENERAL EXCAVATION
175.95 CU. YDS. EMBANKMENT

PERMIT SKETCHES

PRELIMINARY

FOR PERMITTING PURPOSES ONLY

Louisiana Department of Transportation and Development

ENGINEER: THOMAS W. BOUSQUET
LICENSE # 19193
DATE 2014.3.27

(997) 36" x 23' S.D.P. @ +3.13%

3.13%

4.02%

P.I. D.G. RT. 795+20.00 ELEV. 66.50

P.I. D.G. RT. 796+00.00 ELEV. 69.00

P.I. D.G. RT. 796+18.50 ELEV. 69.75

72.30 72.59 73.16 73.72 74.51 75.19

92 88 84 80 76 72 68 64 60 56

SHEET NUMBER 44a

PARISH OUACHITA

FEDERAL PROJECT

STATE PROJECT H.007289

DESIGNED TMB
CHECKED TMB

DETAILED CDF
CHECKED TMB

DATE 11/16

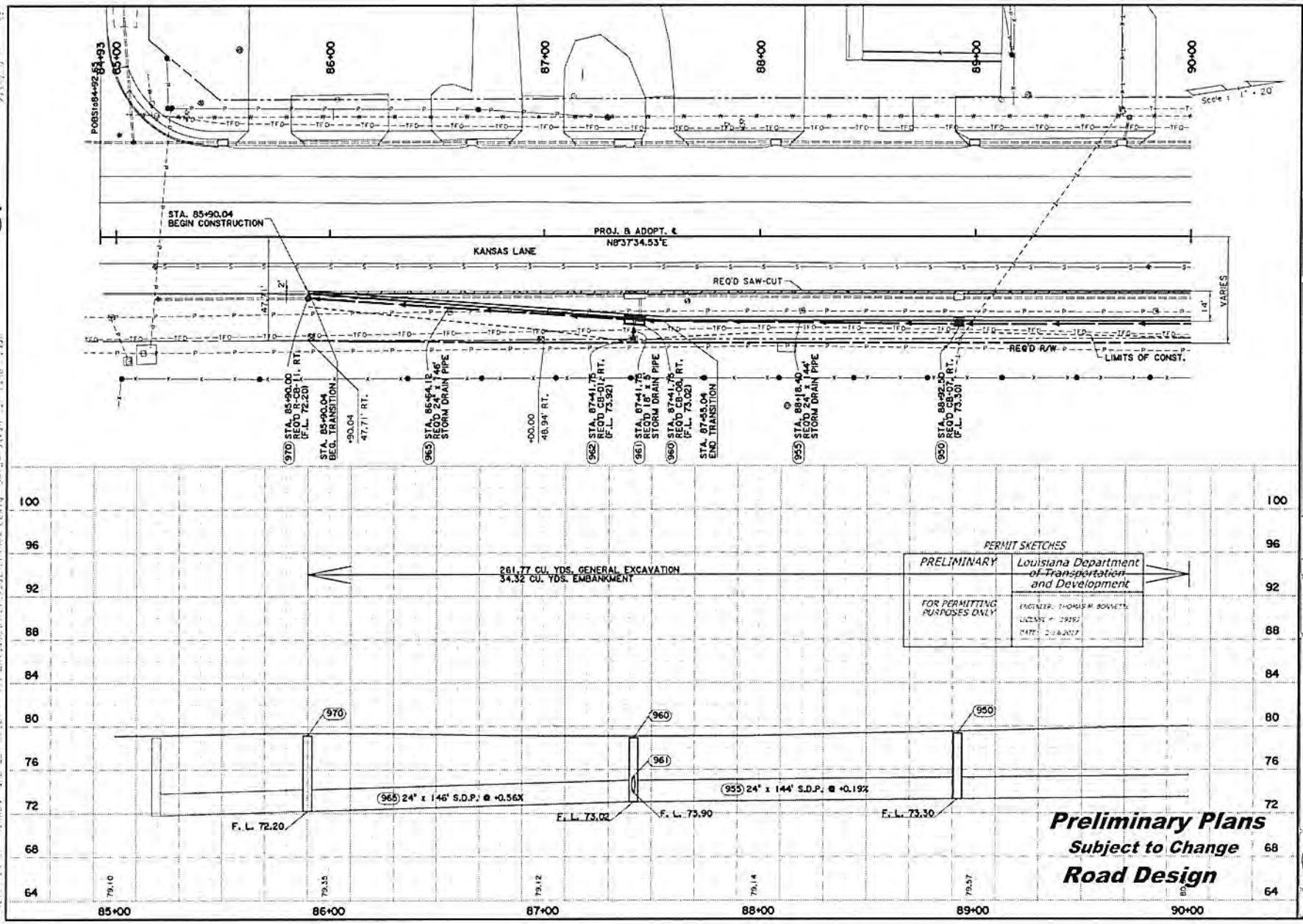
NO. DATE REVISION DESCRIPTION

FORSYTHE EXTENSION

PLAN AND PROFILE

KANSAS LANE EXTENSION

PERMIT SKETCHES



SHEET NUMBER 441

PARISH OUACHITA

FEDERAL PROJECT

STATE PROJECT H.007289

ORIGINAL CHECKED TMB

DETAILED TMB

CHECKED CDP

DATE 1/16

SHEET

REVISION DESCRIPTION

DATE

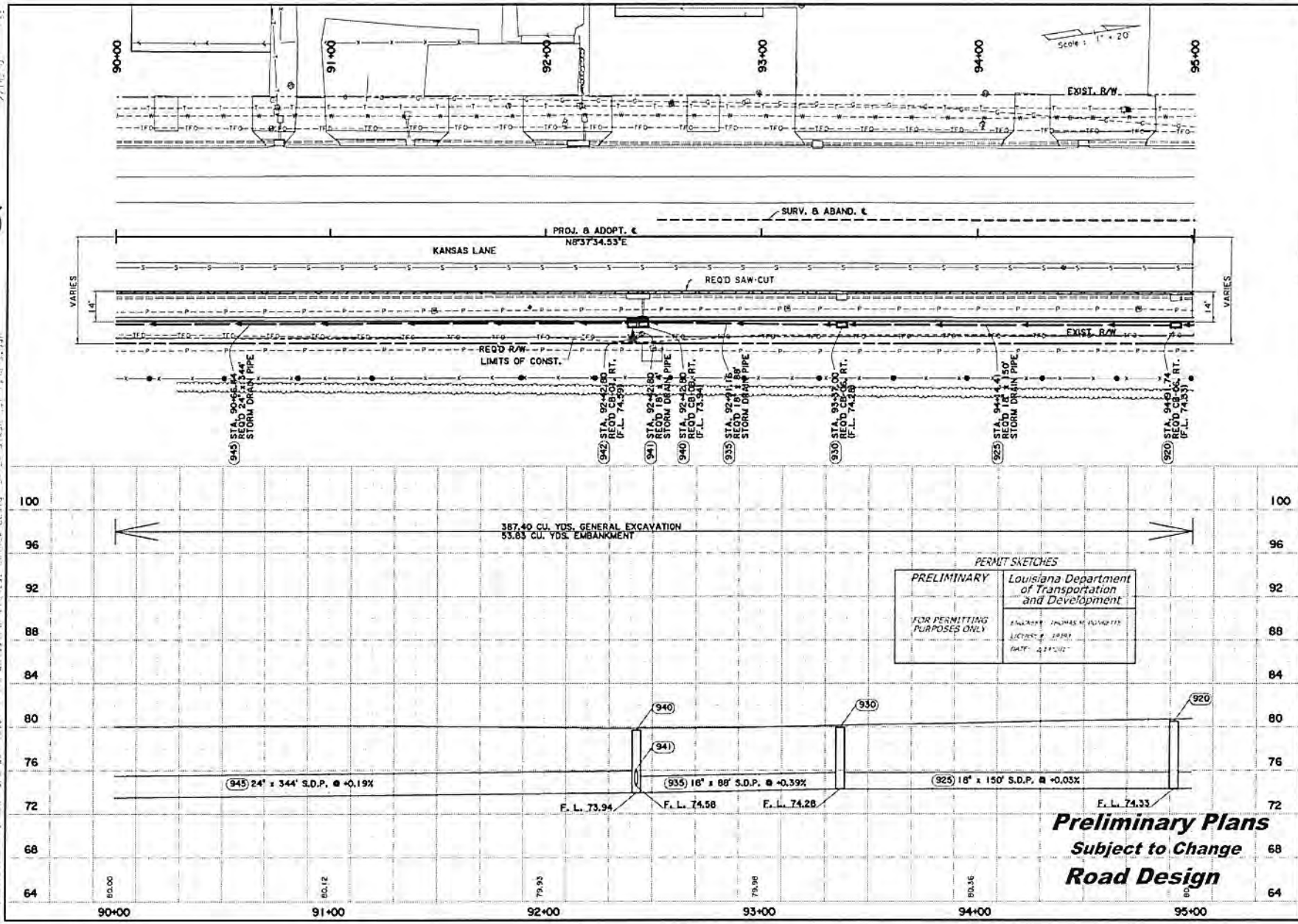
NO.

EXISTING KANSAS LANE

PLAN AND PROFILE

KANSAS LANE EXTENSION

PERMIT SKETCHES



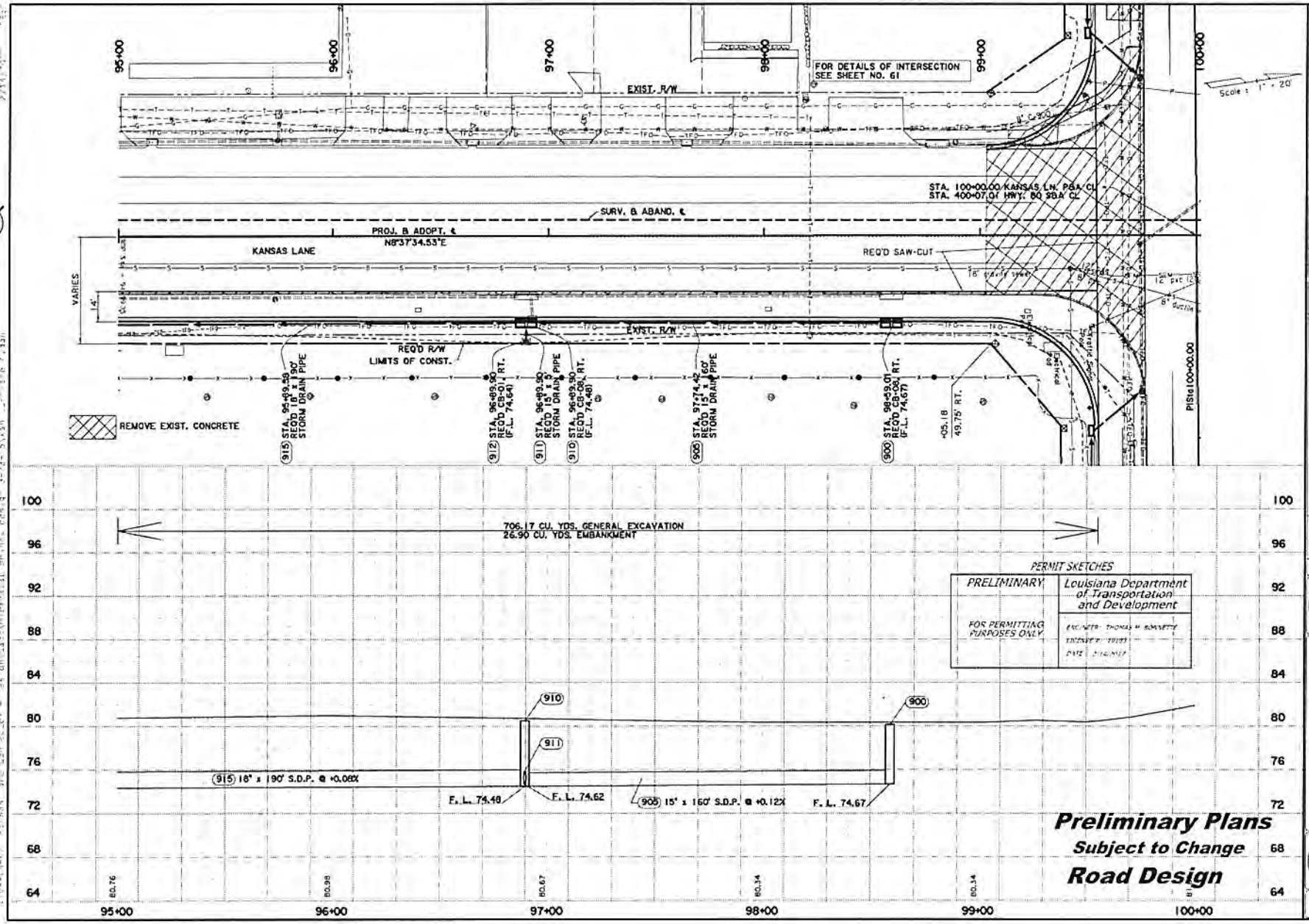
SHEET NUMBER	44g
PARISH	OUACHITA
FEDERAL PROJECT	
STATE PROJECT	H.007289
DESIGNED	TMB
CHECKED	TMB
DETAILED	CDF
CHECKED	TMB
DATE	11/16

EXISTING KANSAS LANE

PLAN AND PROFILE

KANSAS LANE EXTENSION

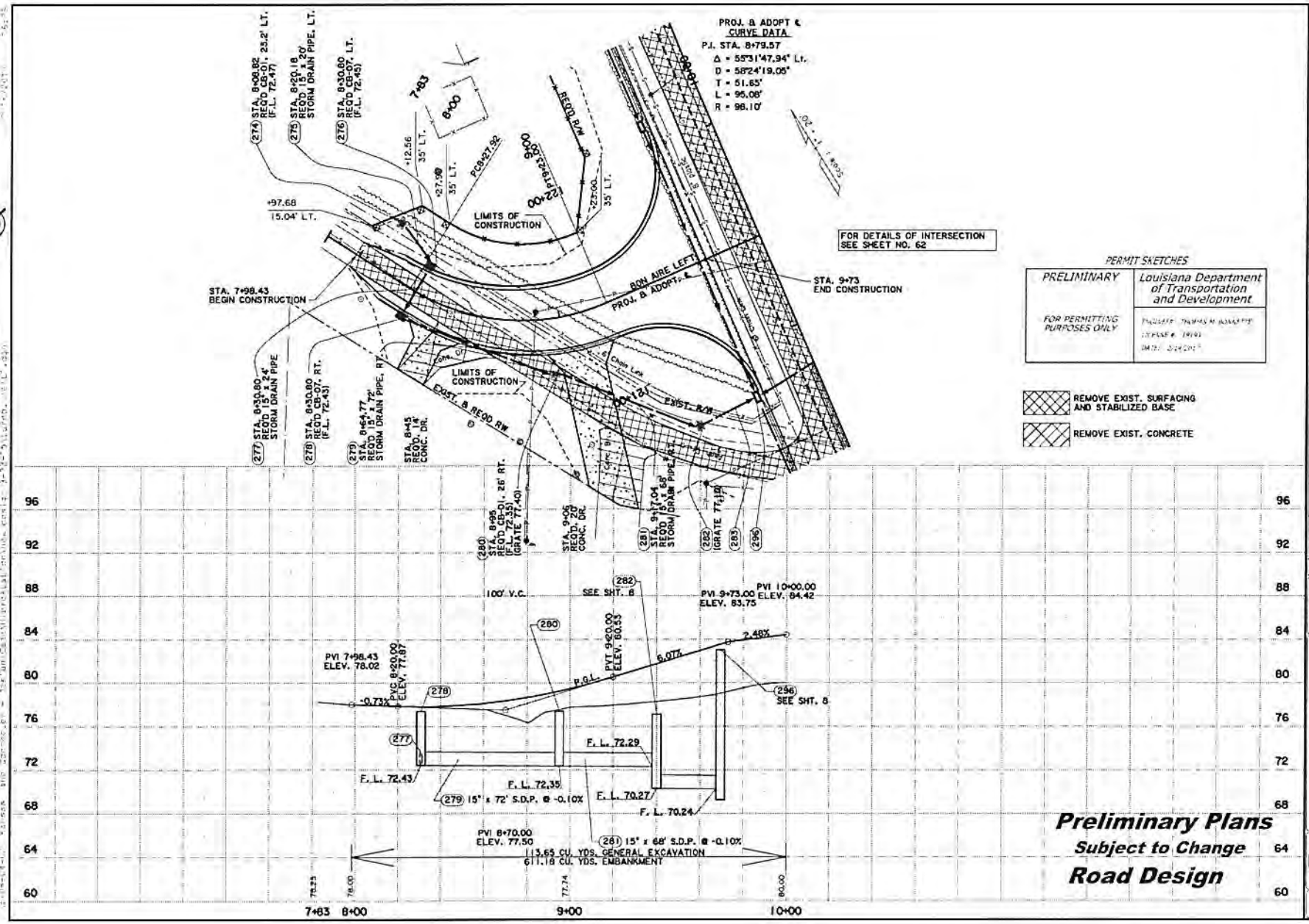
PERMIT SKETCHES



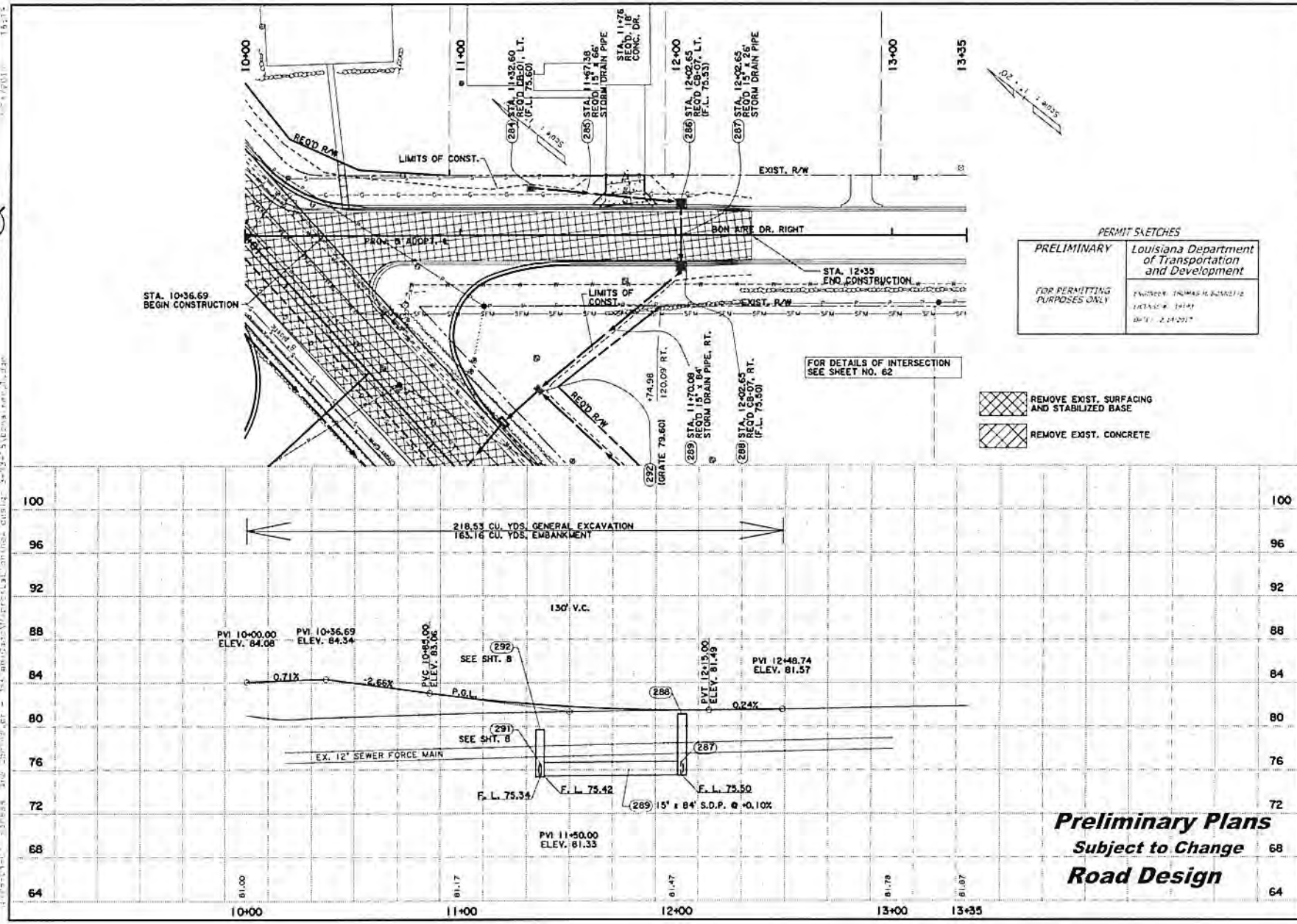
Preliminary Plans
Subject to Change
Road Design

EXISTING KANSAS LANE
PLAN AND PROFILE
KANSAS LANE EXTENSION

SHEET NUMBER 44h
PARISH OUACHITA
FEDERAL PROJECT
STATE PROJECT H.007289
DESIGNED TMB
CHECKED TMB
DETAILED CDF
CHECKED TMB
DATE 11/16
DATE
NO.
REVISION DESCRIPTION


PROJ. & ADOPT ℄
CURVE DATA
P.I. STA. 8+79.57
Δ = 55°31'47.94" Lt.
D = 58°24'19.05"
T = 51.65'
L = 95.08'
R = 98.10'
FOR DETAILS OF INTERSECTION SEE SHEET NO. 62
STA. 9+73 END CONSTRUCTION
STA. 7+98.43 BEGIN CONSTRUCTION
BON AIRE LEFT
PROJ. & ADOPT ℄
LIMITS OF CONSTRUCTION
EXIST. & REQD. R/W
EXIST. R/W
REQD. R/W
Chain Link
PERMIT SKETCHES
PRELIMINARY
FOR PERMITTING PURPOSES ONLY
Louisiana Department of Transportation and Development
REMOVE EXIST. SURFACING AND STABILIZED BASE
REMOVE EXIST. CONCRETE
PVI 7+98.43 ELEV. 78.02
PVC 8+20.00 ELEV. 77.87
-0.73%
100' V.C.
SEE SHT. 8
PVT 9+20.00 ELEV. 80.53
P.G.L.
6.07%
PVI 9+73.00 ELEV. 83.75
PVI 10+00.00 ELEV. 84.42
2.48%
F. L. 72.43
F. L. 72.35
F. L. 72.29
F. L. 70.27
F. L. 70.24
279 15' x 72' S.D.P. @ -0.10%
281 15' x 68' S.D.P. @ -0.10%
PVI 8+70.00 ELEV. 77.50
113.65 CU. YDS. GENERAL EXCAVATION
611.18 CU. YDS. EMBANKMENT
7+83 8+00 9+00 10+00
Preliminary Plans
Subject to Change
Road Design
BON AIRE LEFT
PLAN AND PROFILE
KANSAS LANE EXTENSION
OUACHITA
H.007289
45

PERMIT SKETCHES



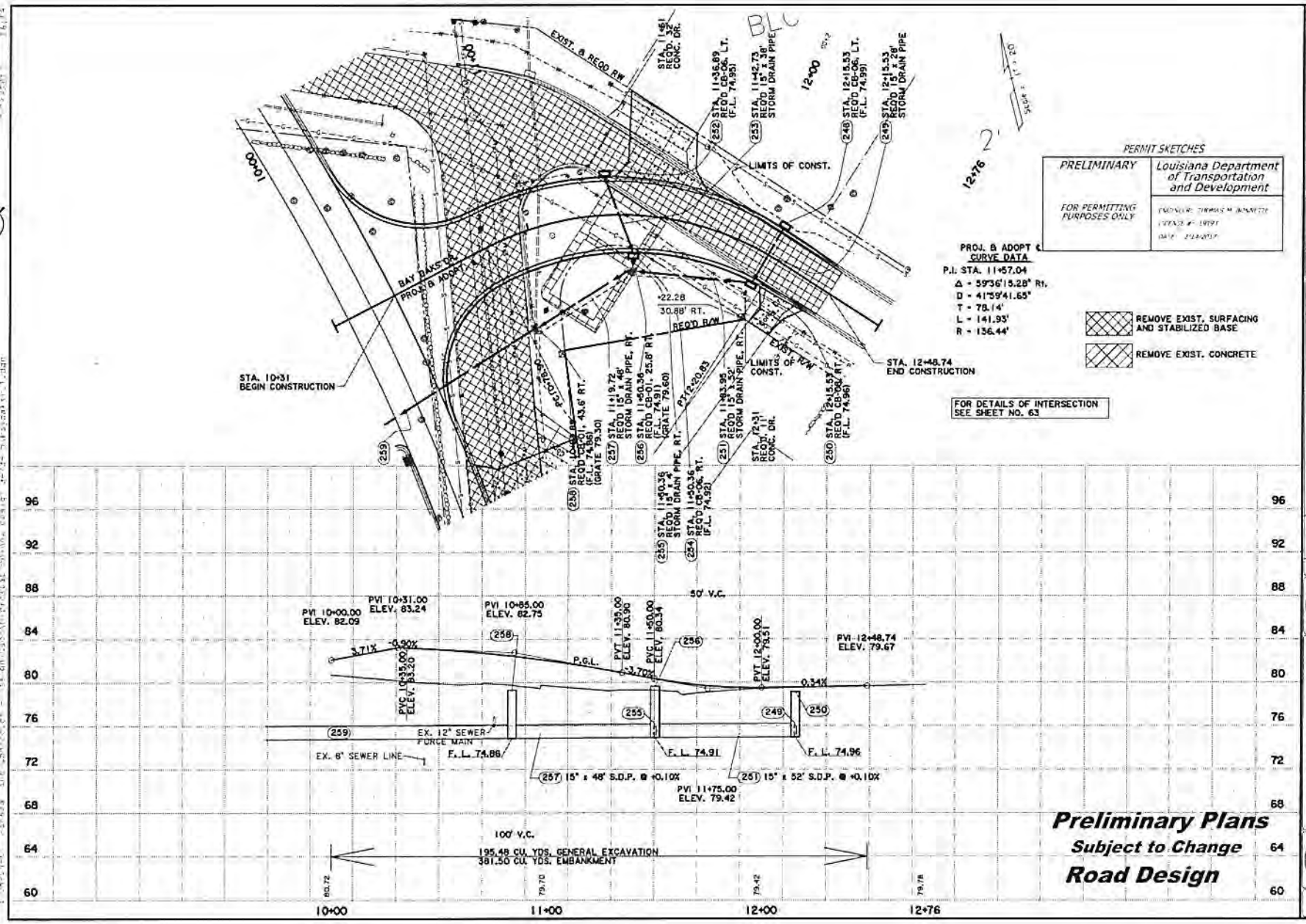
PERMIT SKETCHES

PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	ENGINEER: THOMAS H. BOHRER III LICENSE #: 34141 DATE: 2-14-2017

Preliminary Plans
Subject to Change
Road Design

SHEET NUMBER	46
PARISH	OUACHITA
FEDERAL PROJECT	
STATE PROJECT	H.007269
DESIGNED	TMB
DRAWN	TMB
CHECKED	CDF
DETAILED	TMB
DATE	11/16
SHEET	

BON AIRE DRIVE RIGHT
PLAN AND PROFILE
KANSAS LANE EXTENSION


EXIST. & REQ'D RW
STA. 11+61 REQ'D. 36" CONC. DR.
STA. 11+35.89 REQ'D CB-06, LT. (F.L. 74.95)
STA. 11+42.73 REQ'D 15" x 38' STORM DRAIN PIPE
STA. 12+15.53 REQ'D CB-06, LT. (F.L. 74.99)
STA. 12+15.53 REQ'D 15" x 28' STORM DRAIN PIPE
LIMITS OF CONST.
BAY OAKS DR.
PROJ. ℄ ADOPT ℄
+22.28
30.88' RT.
REQ'D RW
STA. 10+31 BEGIN CONSTRUCTION
STA. 12+48.74 END CONSTRUCTION
STA. 10+76.00 REQ'D CB-01, 43.6' RT. (F.L. 74.86) (GRATE 79.30)
STA. 11+19.72 REQ'D 15" x 48' STORM DRAIN PIPE, RT.
STA. 11+50.36 REQ'D CB-01, 25.8' RT. (F.L. 74.91) (GRATE 79.60)
PT 12+20.83
STA. 11+50.36 REQ'D 15" x 32' STORM DRAIN PIPE, RT.
STA. 11+83.98 REQ'D 15" x 52' STORM DRAIN PIPE, RT.
STA. 12+31 REQ'D 11" CONC. DR.
STA. 12+15.53 REQ'D CB-06, RT. (F.L. 74.96)
STA. 11+50.36 REQ'D CB-06, RT. (F.L. 74.93)
PERMIT SKETCHES
PRELIMINARY
FOR PERMITTING PURPOSES ONLY
Louisiana Department of Transportation and Development
PROJ. ℄ ADOPT ℄
CURVE DATA
P.I. STA. 11+57.04
Δ = 59°36'15.28" Rt.
D = 41°59'41.65"
T = 78.14'
L = 141.93'
R = 136.44'
REMOVE EXIST. SURFACING AND STABILIZED BASE
REMOVE EXIST. CONCRETE
FOR DETAILS OF INTERSECTION SEE SHEET NO. 63
PVI 10+00.00 ELEV. 82.09
PVI 10+31.00 ELEV. 83.24
PVI 10+65.00 ELEV. 82.75
PVI 11+75.00 ELEV. 79.42
PVI 12+48.74 ELEV. 79.67
50' V.C.
100' V.C.
195.48 CU. YDS. GENERAL EXCAVATION
381.50 CU. YDS. EMBANKMENT
P.G.L.
EX. 12" SEWER FORCE MAIN
EX. 6" SEWER LINE
F.L. 74.86
F.L. 74.91
F.L. 74.96
15" x 48' S.D.P. @ +0.10%
15" x 52' S.D.P. @ +0.10%
Preliminary Plans
Subject to Change
Road Design
BAY OAKS DRIVE RIGHT
PLAN AND PROFILE
KANSAS LANE EXTENSION
OUACHITA
H.007289
47

PERMIT SKETCHES

PROJ. & ADOPT ℄
CURVE DATA
P.I. STA. 7+92.11
Δ = 80°15'25.42" Lt.
D = 25°44'45.64"
T = 187.59'
L = 311.73'
R = 222.54'

STA. 5+79.16
BEGIN CONSTRUCTION

STA. 10+00.00 BON AIRE DR. LT. =
STA. 133+93.43 KANSAS LANE

STA. 9+69
END CONSTRUCTION

KANSAS LANE

BON AIRE DR. LT.
PROJ. & ADOPT. ℄

REQ'D R/W

LIMITS OF CONST.

BON AIRE DR. LT. TURNOUT

EXIST. & REQ'D R/W

REMOVE EXIST. SURFACING AND STABILIZED BASE

REMOVE EXIST. CONCRETE

FOR DETAILS OF INTERSECTION SEE SHEET NO. 64

PCS1a6+04.52

PCS1a10+58.53

+77.18 P & ABAND. 29.35' RT.
+83.57 P & ADOPT. 29.39' RT.
+97.15 P & ABAND. 40.03' RT.
+03.54 P & ADOPT. 39.99' RT.
+63.55 P & ADOPT. 30.65' LT.
+77.17 P & ABAND. 30.61' LT.
+17.17 P & ABAND. 45' LT.
+28.29 P & ADOPT. 44.03' LT.
+92.57 P & ADOPT. 45.99' LT.
+97.29 P & ABAND. 45' LT.
+43.23 P & ADOPT. 33.41' RT.
+38.86 P & ABAND. 30.44' RT.
+31.33 P & ABAND. 40' RT.
+33.98 P & ADOPT. 44.06' RT.
+00.21 P & ADOPT. 44.68' RT.

STA. 6+24 REQ'D 12" CONC. DR.
STA. 6+58 REQ'D 12" CONC. DR.
STA. 7+24 REQ'D 12" CONC. DR.

(211) STA. 7+43 REQ'D 15" x 36' STORM DRAIN PIPE
(210) STA. 7+43 REQ'D CB-06, RT. (F.L. 74.73)
(212) STA. 7+43 REQ'D CB-06, LT. (F.L. 74.71)
(213) STA. 8+30.12 REQ'D 15" x 150' STORM DRAIN PIPE, LT.
(216) STA. 9+14.42 REQ'D CB-06, LT. (F.L. 72.79)
(217) STA. 9+14.38 REQ'D 15" x 38' STORM DRAIN PIPE
(227) STA. 9+71.88 REQ'D 15" x 90' STORM DRAIN PIPE, RT.
(228)
(229) STA. 9+13.86 REQ'D CB-06, RT. (F.L. 72.73)
(230)
(231)

PVI 5+79.18
ELEV. 82.73

PVI 7+00.00
ELEV. 82.90

PVT 7+66.00
ELEV. 81.73

PVC 5+50.00
ELEV. 82.83

PVI 10+00.00
ELEV. 77.78

PVI 9+69.00
ELEV. 76.63

0.14%
-0.74%
P.G.L.
-2.33%
3.71%

PI O.G. RT. 5+79.18
ELEV. 80.10

PI O.G. RT. 6+21.00
ELEV. 80.00

(213) 15" x 150' S.D.P. @ -0.10%

F. L. 74.71
F. L. 74.56
F. L. 72.79

100' V.C.

207.63 CU. YDS. GENERAL EXCAVATION
1334.43 CU. YDS. EMBANKMENT

92 88 84 80 76 72 68 64 60 56

82.69 82.72 79.90 77.04 74.38 72.

5+69 6+00 7+00 8+00 9+00 10+00

PERMIT SKETCHES

PRELIMINARY

FOR PERMITTING PURPOSES ONLY

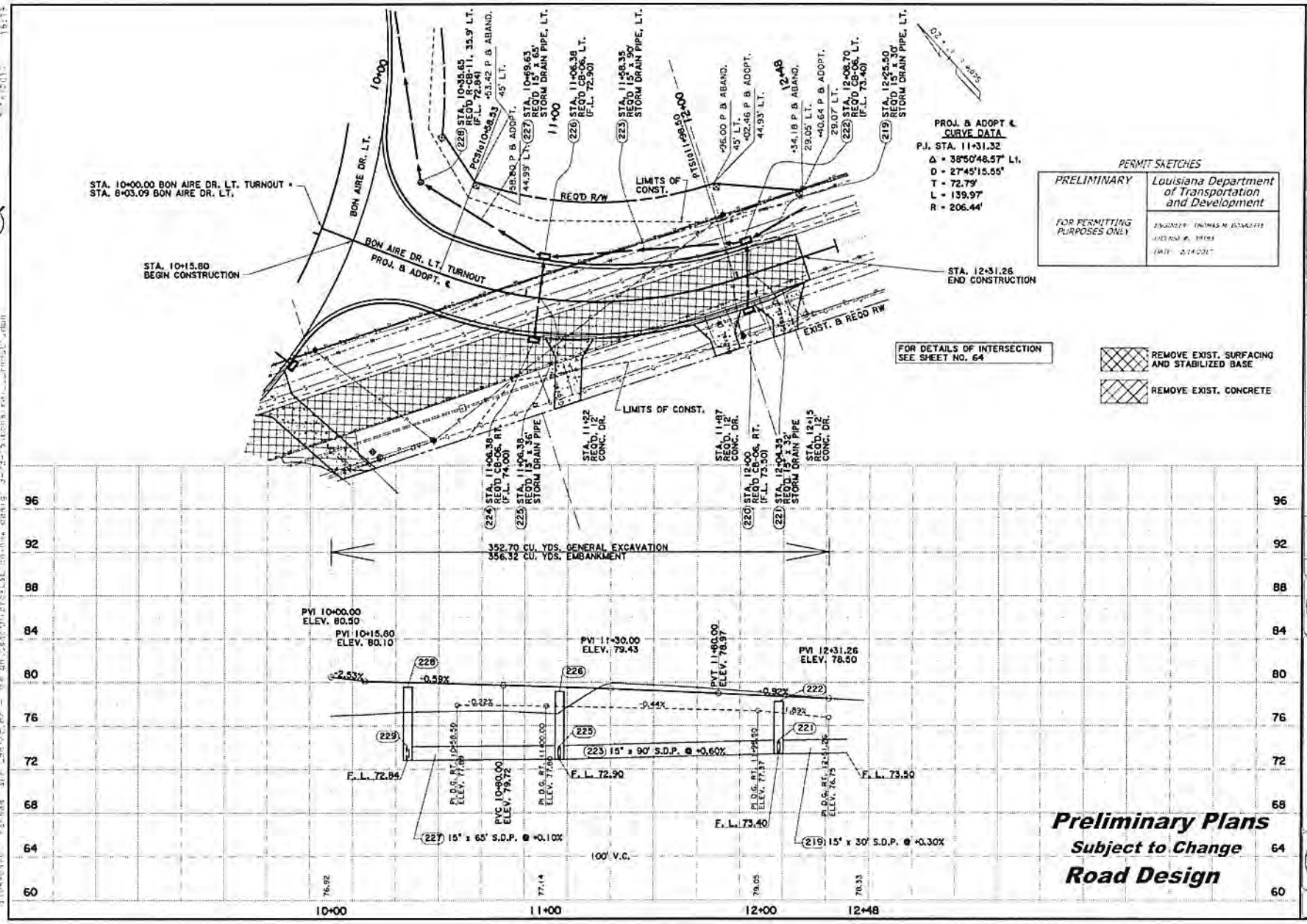
Louisiana Department of Transportation and Development

PROJECT MANAGER THOMAS H. BOWLIN
DESIGN ENGINEER
DATE LAST REVISED

Preliminary Plans
Subject to Change
Road Design

BON AIRE DRIVE LEFT
PLAN AND PROFILE
KANSAS LANE EXTENSION

SHEET NUMBER 48
PARISH OUACHITA
FEDERAL PROJECT
STATE PROJECT H.007289
DESIGNED TMB
CHECKED TMB
DETAILED CDP
CHECKED TMB
DATE 11/16
SHEET
NO. DATE REVISION



PERMIT SKETCHES

PRELIMINARY	Louisiana Department of Transportation and Development
FOR PERMITTING PURPOSES ONLY	ENGINEER: THOMAS M. BONAFETE

DESIGNED TWB	CHECKED TWB	DETAILED CDF	CHECKED TWB
DATE 11/16	SHEET		

PARISH	OUACHITA
FEDERAL PROJECT	
STATE PROJECT	H.007289

BON AIRE DRIVE LEFT TURNOUT
PLAN AND PROFILE
KANSAS LANE EXTENSION

SHEET NUMBER 49

98% FINAL PLANS

GENERAL NOTES

CONSTRUCTION SPECIFICATIONS: CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT, STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, 2006, EXCEPT AS SUPPLEMENTED OR AMENDED BY THE PLANS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS.

ELEVATIONS: ALL ELEVATIONS ARE BASED ON N.A.V.D. 88.

DIMENSIONS: ALL DIMENSIONS ARE GIVEN AT NORMAL TEMPERATURE (68° F).

DESIGN SPEED: 45 MPH.

DESIGN SPECIFICATIONS: STRUCTURE DESIGN IS IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 6th EDITION, AND THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT BRIDGE DESIGN AND EVALUATION MANUAL (BDEM) AND TECHNICAL MEMORANDA, AS APPLICABLE. GEOMETRIC DESIGN IS IN ACCORDANCE WITH "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS 2011".

DESIGN CRITERIA: DESIGN LIVE LOAD IS HL-93 AND LOUISIANA DESIGN VEHICLE 2011 (LADV-11). THE SLAB SPANS ARE DESIGNED FOR A FUTURE WEARING SURFACE OF 19 PSF AND THE GIRDER SPANS ARE DESIGNED FOR A FUTURE WEARING SURFACE OF 12 PSF.

GALVANIZED STAY-IN-PLACE METAL FORMS: THE CONTRACTOR WILL BE ALLOWED TO USE GALVANIZED STAY-IN-PLACE METAL FORMS PROVIDED THE USE OF THE FORMS DOES NOT ADD WEIGHT OR THICKNESS TO THE CONCRETE DECK. THE STAY-IN-PLACE FORMS MUST CONFORM TO ASTM A-653 (TABLE I) DESIGNATION G165.

STRUCTURAL METALWORK: ALL STEEL SHALL BE STRUCTURAL CARBON STEEL CONFORMING TO ASTM A 709(GR36), UNLESS OTHERWISE SHOWN IN THE PLANS. ANY NECESSARY SUBSTITUTIONS MUST HAVE PRIOR APPROVAL OF THE BRIDGE DESIGN ENGINEER. ANCHOR BOLTS, NUTS AND WASHERS SHALL BE HOT DIP GALVANIZED. PAYMENT FOR STRUCTURAL STEEL IS TO BE MADE UNDER ITEM 807-08-00100, STRUCTURAL METALWORK, PER LUMP SUM.

PRESTRESSED GIRDERS: FOR GENERAL NOTES ON PRECAST PRESTRESSED CONCRETE GIRDERS, SEE MISCELLANEOUS SPAN AND GIRDER DETAILS. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE BRACING BETWEEN GIRDERS TO ENSURE STABILITY AND PROPER ALIGNMENT DURING ERECTION AND POURING SEQUENCE.

ENVIRONMENTAL COMPLIANCE: PRIOR TO THE COMMENCEMENT OF ANY WORK, THE CONTRACTOR SHALL OBTAIN A COPY OF THE ENVIRONMENTAL CLEARANCE DOCUMENT AS WELL AS COPIES OF ALL PERMITS AND AGREEMENTS OBTAINED BY DOTD. THE CONTRACTOR SHALL THOROUGHLY EXAMINE AND COMPLY WITH ALL REQUIREMENTS SET FORTH IN THOSE DOCUMENTS.

CONCRETE: ALL SUPERSTRUCTURE CONCRETE TO BE CLASS "AA(M)" CONCRETE FOR GIRDER DECK SPANS AND CLASS "AA" CONCRETE FOR SLAB SPANS. ALL SUBSTRUCTURE CONCRETE TO BE CLASS "A" CONCRETE UNLESS OTHERWISE SPECIFIED IN THE PLANS.

CHAMFER ALL EXPOSED EDGES OF CONCRETE ¾" EXCEPT ALL CORNERS OF BENTS WHICH SHALL BE CHAMFERED 1½" UNLESS OTHERWISE NOTED. NO DEDUCTIONS ARE TO BE MADE IN CONCRETE QUANTITIES FOR CHAMFERS 1½" OR LESS. CONCRETE AND STEEL IN CONCRETE RAILING TO BE PAID FOR PER LINEAR FOOT OF CONCRETE RAILING INCLUDING NO. 5 BARS THAT PROJECT INTO RAILING.

FINISH OF CONCRETE: SURFACES SHALL BE FINISHED IN ACCORDANCE WITH ARTICLE 805.13 "CONCRETE SURFACES FINISHES" OF THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.

YEAR PLATE: DATE OF CONSTRUCTION IS REQUIRED AT RIGHT WING WALL OF STRUCTURE FOR ONCOMING TRAFFIC LANES. SEE STANDARD DETAIL YP-01.

GUARD RAIL: SEE STANDARD PLAN GR-200 FOR DETAILS.

CONSTRUCTION JOINT: WHERE CONSTRUCTION JOINTS ARE USED, NOT LESS THAN SEVEN (7) DAYS SHALL HAVE ELAPSED BETWEEN ADJACENT POURS. THE VERTICAL SURFACES OF THE CONSTRUCTION JOINTS BETWEEN ADJACENT POURS SHALL BE COATED PRIOR TO EACH SUCCEEDING POUR WITH A TYPE II EPOXY RESIN SYSTEM IN ACCORDANCE WITH SUBSECTION 805.06(b)(2) OF THE STANDARD SPECIFICATIONS. EPOXY IS TO BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. NO DIRECT PAYMENT FOR THIS WORK. AFTER COMPLETING POUR FOR DECK SLAB, A MINIMUM OF THREE (3) DAYS SHALL ELAPSE (OR CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI) BEFORE PLACEMENT OF REINFORCING STEEL AND FORMS FOR BARRIER RAILING. THE SLAB SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI BEFORE BEGINNING POUR OF BARRIER RAILING.

GALVANIZED STEEL: ALL MISCELLANEOUS HARDWARE WHICH IS SPECIFIED TO BE GALVANIZED SHALL BE COATED IN ACCORDANCE WITH THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, 2006. DAMAGED COATS THAT ARE NOT TO BE EMBEDDED IN MORE THAN THREE (3) INCHES OF CONCRETE SHALL BE REPAIRED WITH AN APPROVED, COLD APPLIED, ZINC RICH, ORGANIC PAINT, FROM THE QUALIFIED PRODUCTS LIST OR OTHER APPROVED METHOD OF REPAIR.

REINFORCING STEEL: DIMENSIONS RELATING TO REINFORCING STEEL FABRICATION ARE OUT-TO-OUT OF BAR UNLESS OTHERWISE NOTED. DIMENSIONS RELATING TO REINFORCING STEEL SPACING ARE CENTER TO CENTER OF BARS. THE MINIMUM COVERING FROM THE SURFACE OF THE CONCRETE TO THE FACE OF ANY DEFORMED REINFORCING BAR SHALL NOT BE LESS THAN THE FOLLOWING:

TOP OF SLAB = 2½"
BOTTOM OF SLAB = 1"

ALL OTHER REINFORCING STEEL COVER SHALL BE 2" UNLESS OTHERWISE NOTED IN THE PLANS. SEE STANDARD PLAN S.W.B.S. 100 FOR BAR SUPPORTS FOR REINFORCING STEEL. REINFORCING STEEL SHALL BE GRADE 60 STEEL. THE FIRST DIGIT OF REINFORCING BAR NUMBER INDICATES BAR SIZE.

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207	GENERAL PLAN - CHAUVIN BRIDGE SITE 2
208	GENERAL PLAN - CHAUVIN BRIDGE SITE 3
209	SUPER ELEVATION TRANSITION - CHAUVIN BRIDGE SITE 3
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TOTAL SHEETS OF BRIDGE PLANS = 53

BAYOU DESIARD BRIDGE AS-DESIGNED RATING TABLE

STRUCTURE NO.	RECALL NO.		
VEHICLE	SUPERSTRUCTURE	SUBSTRUCTURE	NOTES
HL-93 (INV)	1.444	1.563	———
HL-93 (OPR)	1.871	2.028	———
LADV-11 (INV)	1.111	1.203	MAGNIFICATION FACTOR = 1.5

CHAUVIN BRIDGE SITES 1, 2 & 3 AS-DESIGNED RATING TABLE

STRUCTURE NO.	RECALL NO.		
VEHICLE	SUPERSTRUCTURE	SUBSTRUCTURE	NOTES
HL-93 (INV)	1.630	1.384	———
HL-93 (OPR)	2.113	1.795	———
LADV-11 (INV)	1.254	1.065	MAGNIFICATION FACTOR = 1.5

LAZENBY & ASSOCIATES, INC.

PRELIMINARY - FOR PERMIT PURPOSES ONLY

These documents were prepared by, or under the supervision of:
Randy C. Hammons
P.E. No. 29604
Date Mar. 2017

SHEET NUMBER 201
PARISH: OUACHITA
STATE PROJECT: H.007289
DRAWN: J.S.E.
CHECKED: R.C.H.
DETAILED: R.C.R.
CHECKED: R.C.H.
REVISED:
SHEET 1 OF 1

GENERAL NOTES AND INDEX

KANSAS LANE EXTENSION

LAZENBY & ASSOCIATES, INC.

SUMMARY OF ESTIMATED BRIDGE QUANTITIES

ITEM / LOCATION	502-01-00100 SUPERPAVE ASPHALTIC CONCRETE (TON)	704-03-00100 BLOCKED OUT GUARD RAIL (LINEAR FOOT)	704-08-00200 GUARD RAIL TRANSITIONS (DOUBLE THRIE BEAM) (LINEAR FOOT)	704-11-00100 GUARD RAIL END TREATMENT (FLARED) (EACH)	706-03-10000 INCIDENTAL CONCRETE PAVING (COLORED/6" THICK) (SQUARE YARD)	711-01-02020 RIPRAP (10 LB., 12" THICK) (SQUARE YARD)	711-04-00100 GEOTEXTILE FABRIC (SQUARE YARD)	729-16-00300 OBJECT MARKER ASSEMBLY (TYPE 3) (EACH)	804-01-00300 PRECAST CONCRETE PILES (16") (LINEAR FOOT)	804-01-00400 PRECAST CONCRETE PILES (18") (LINEAR FOOT)	804-01-00600 PRECAST CONCRETE PILES (24") (LINEAR FOOT)	804-05-00300 PRECAST CONCRETE TEST PILES (16") (EACH)	804-05-00400 PRECAST CONCRETE TEST PILES (18") (EACH)	804-05-00600 PRECAST CONCRETE TEST PILES (24") (EACH)	804-09-00100 LOADING TEST PILES (EACH)	804-10-00100 RELOADING TEST PILES (EACH)
BAYOU DESIARD BRIDGE	--	--	--	--	--	1,500	1,500	--	--	1,302	4,403	--	1	1	2	2
CHAUVIN BRIDGE SITE 1	60.0	125.0	50.0	2	77.8	470	470	2	1,472	--	--	--	--	--	--	--
CHAUVIN BRIDGE SITE 2	60.0	125.0	50.0	2	77.8	470	470	2	1,856	--	--	--	--	--	--	--
CHAUVIN BRIDGE SITE 3	60.0	125.0	50.0	2	77.8	470	470	2	1,888	--	--	1	--	--	1	1
TOTAL	180.0	375.0	150.0	6	233.4	2,910	2,910	6	5,216	1,302	4,403	1	1	1	3	3

SUMMARY OF ESTIMATED BRIDGE QUANTITIES (CONT'D.)

ITEM / LOCATION	804-11-00100 REDRIVING TEST PILES (EACH)	804-12-00100 LOADING PERMANENT PILES (EACH)	804-17-00100 DYNAMIC MONITORING (EACH)	805-01-00700 CLASS A CONCRETE (BENTS) (CUBIC YARD)	805-03-00100 CLASS AA CONCRETE (CUBIC YARD)	805-04-00100 CLASS AA(M) CONCRETE (CUBIC YARD)	805-08-00200 PRECAST-PRESTRESSED CONCRETE GIRDER (TYPE II) (LINEAR FOOT)	805-11-00100 STRIP SEAL JOINTS (LINEAR FOOT)	806-01-00100 DEFORMED REINFORCING STEEL (POUND)	807-08-00100 STRUCTURAL METALWORK (836 LBS.) (LUMP SUM)	810-01-00100 CONCRETE RAILING (STANDARD BARRIER) (LINEAR FOOT)	810-01-00200 CONCRETE RAILING (SLOTTED BARRIER) (LINEAR FOOT)	810-01-00300 CONCRETE RAILING (DOUBLE FACE BARRIER) (LINEAR FOOT)	813-01-00100 CONCRETE APPROACH SLABS (SQUARE YARD)	NS-500-00240 SAWING & SEALING TRANSVERSE JOINTS IN ASPHALTIC CONCRETE OVERLAY (LINEAR FOOT)
BAYOU DESIARD BRIDGE	2	1	12	461.28	--	1,249.00	7,623.0	384.00	452,230	LUMP	360.00	1,200.00	780.00	600.00	--
CHAUVIN BRIDGE SITE 1	--	1	2	51.68	206.79	--	--	--	51,880	--	80.00	40.00	--	648.88	126
CHAUVIN BRIDGE SITE 2	--	1	2	51.68	206.79	--	--	--	51,880	--	80.00	40.00	--	648.88	126
CHAUVIN BRIDGE SITE 3	1	1	5	51.68	208.25	--	--	--	51,880	--	80.00	40.00	--	648.88	126
TOTAL	3	4	21	616.32	621.83	1,249.00	7,623.0	384.00	587,870	LUMP	600.00	1,320.00	780.00	2,546.64	378

LAZENBY & ASSOCIATES, INC.

PRELIMINARY - FOR PERMIT PURPOSES ONLY

These documents were prepared by, or under the supervision of:
Randy C. Hammons
P.E. No. 29604
Date: May, 2017

98% FINAL PLANS

SHEET NUMBER 202

PARISH: OUACHITA

CONTROL SECTION

STATE PROJECT: H.007289

ORIGINAL: J.C.K. CHECKED: R.C.H.

DETAILED: B.C.R. CHECKED: R.C.H.

REVISED

SHEET 1 OF 1

REVISION DESCRIPTION

DATE

NO.

SUMMARY OF ESTIMATED BRIDGE QUANTITIES

KANSAS LANE EXTENSION

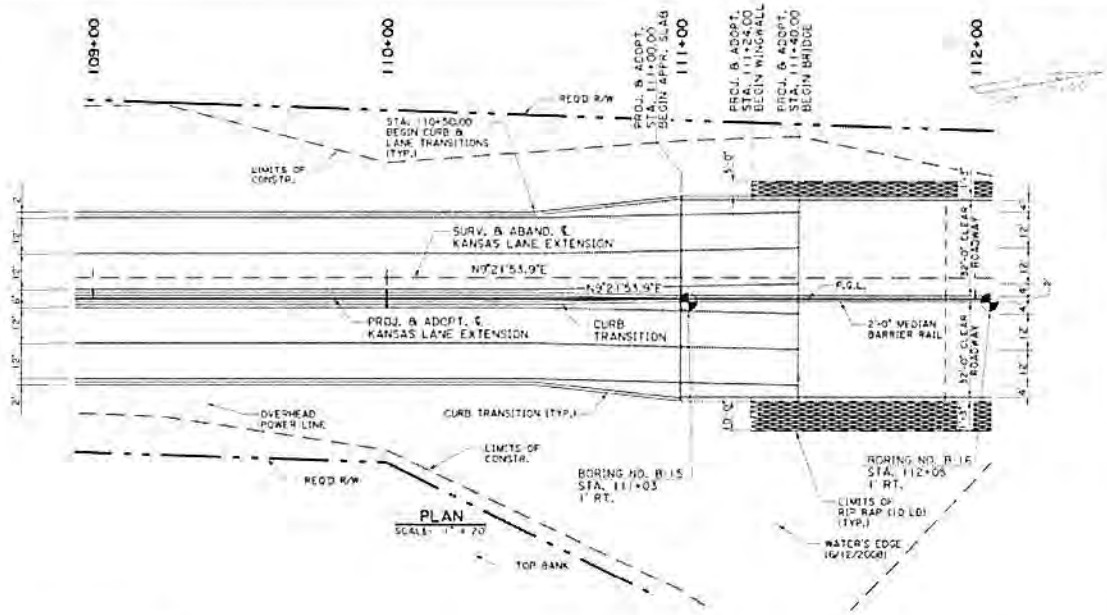
LAZENBY & ASSOCIATES, INC.

98% FINAL PLANS

PROPOSED STRUCTURE

CONCRETE TYPE 3 GIRDER BRIDGE
SPANS = 14 @ 50'-0"
CONCRETE RAILING = STANDARD BARRIER (END SPANS & APPROACH SLAB)
SLOTTED BARRIER (INTERMEDIATE SPANS)
DOUBLE FACE MEDIAN BARRIER
ROADWAY = AS SHOWN
LOADING = LIVE LOAD IS HL-93 & LADV-11
DESIGN SPEED = 45 M.P.H.
ALIGNMENT = AS SHOWN
SKEW = 90°
DESIGN YEAR ADT (2030) = 27,300
ROADWAY CLASSIFICATION = UA-2

NOTE: FILL TO BE IN PLACE AND EXCAVATION TO BE MADE PRIOR TO DRIVING PILES AFFECTED.

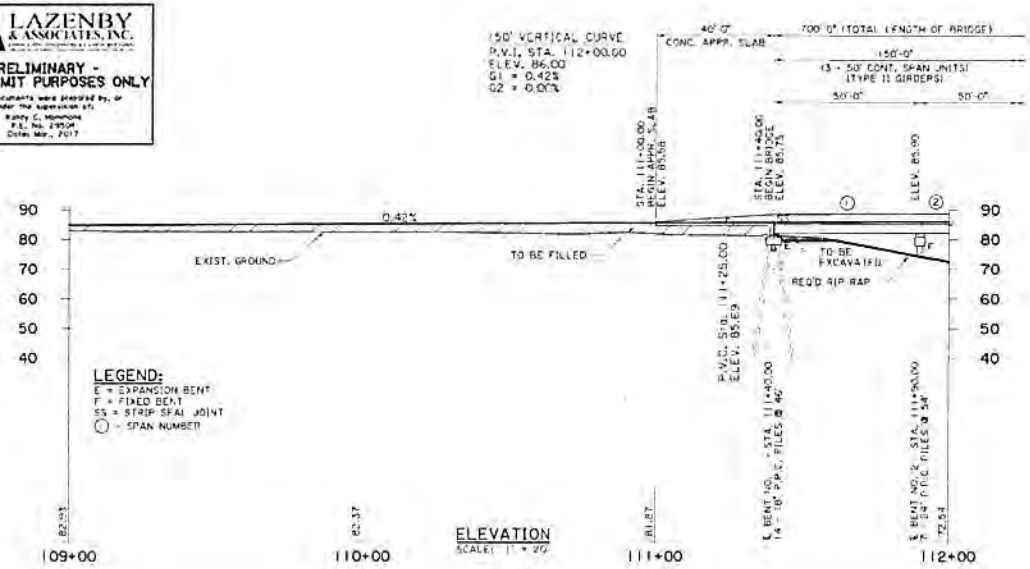


PLAN
SCALE: 1" = 20'

LAZENBY & ASSOCIATES, INC.

PRELIMINARY - FOR PERMIT PURPOSES ONLY

These documents were prepared by, or under the supervision of:
Randy C. Monroe
P.E. No. 29904
Date: Mar., 2017



ELEVATION
SCALE: 1" = 20'

LEGEND:
E = EXPANSION BENT
F = FIXED BENT
SS = STRIP SEAL JOINT
◯ = SPAN NUMBER

BRIDGE HYDRAULIC DATA

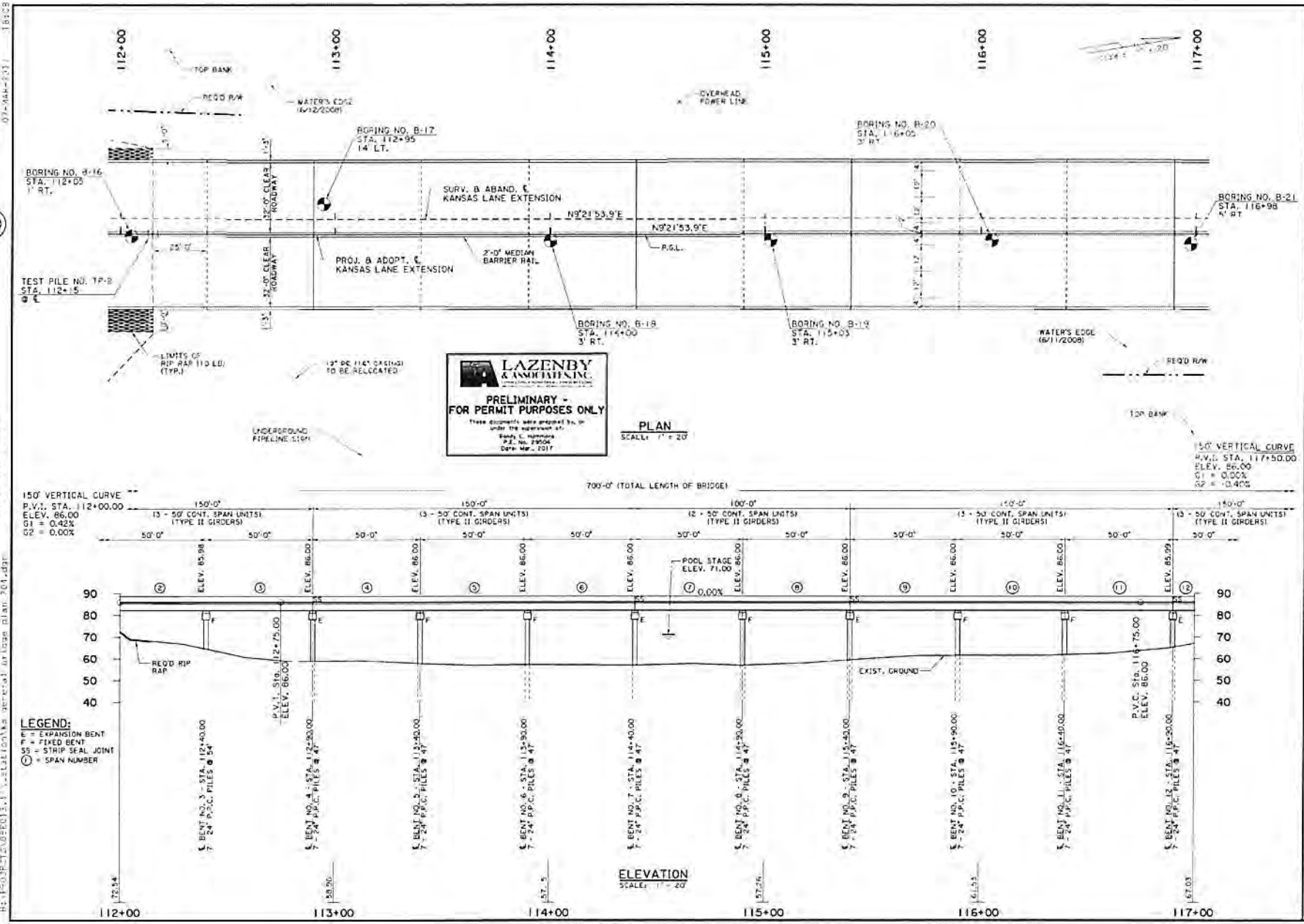
NO HYDRAULIC ANALYSIS WAS REQUIRED FOR THIS BRIDGE SITE DUE TO THE FOLLOWING REASONS: BRIDGE IS LOCATED ON BAYOU DESIARD WHERE THE POOL STAGE VARIES FROM ELEVATION 69.00 TO ELEVATION 71.00 PER CITY OF MONROE RECORDS. THIS STAGE IS MAINTAINED BY CONTROL STRUCTURES ALONG THE BAYOU REFERENCED IN THE FLOOD INSURANCE STUDY OF OUACHITA PARISH, LOUISIANA AND INCORPORATED AREAS DATED MARCH 15, 1994. THE EXPECTED FLOW VELOCITIES THROUGHOUT THE BAYOU ARE MINIMAL. THE FINISH GRADE ELEVATION OF THE BRIDGE HAS BEEN ESTABLISHED SUCH THAT THE BRIDGE WILL SPAN FROM HIGH BANK TO HIGH BANK ACROSS THE BAYOU. THE LOW CHORD ELEVATION WILL PROVIDE CLEARANCE FOR RECREATIONAL BOAT TRAFFIC.

SHEET NUMBER 203

DRAWN	J.C.K.	PARISH	OUACHITA
CHECKED	R.C.H.		
DETAILED	B.C.R.		
CHECKED	R.C.H.		
SHEET	1 OF 3		

GENERAL PLAN
BAYOU DESIARD BRIDGE
KANSAS LANE EXTENSION

LAZENBY & ASSOCIATES, INC.



98% FINAL PLANS

SHEET NUMBER 204

PARISH OUACHITA

CONTROL SEC. NO.

STATE PROJECT H.007289

DESIGNED J.C.K. DRAWN R.C.H. CHECKED B.C.R. CHECKED R.C.H.

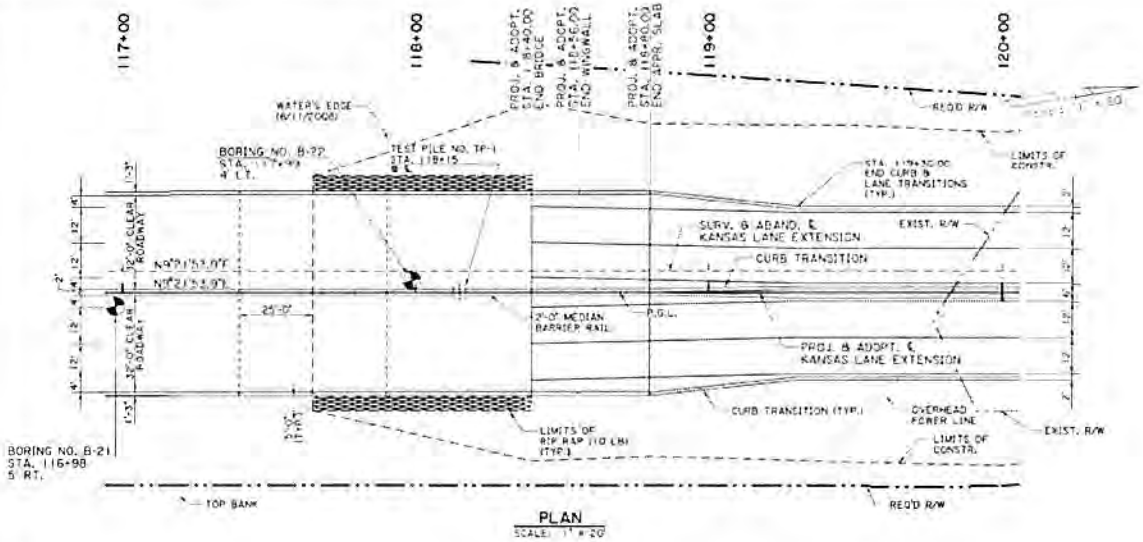
SCALE 1" = 20' SHEET 3 OF 3

GENERAL PLAN
BAYOU DESIARD BRIDGE
KANSAS LANE EXTENSION

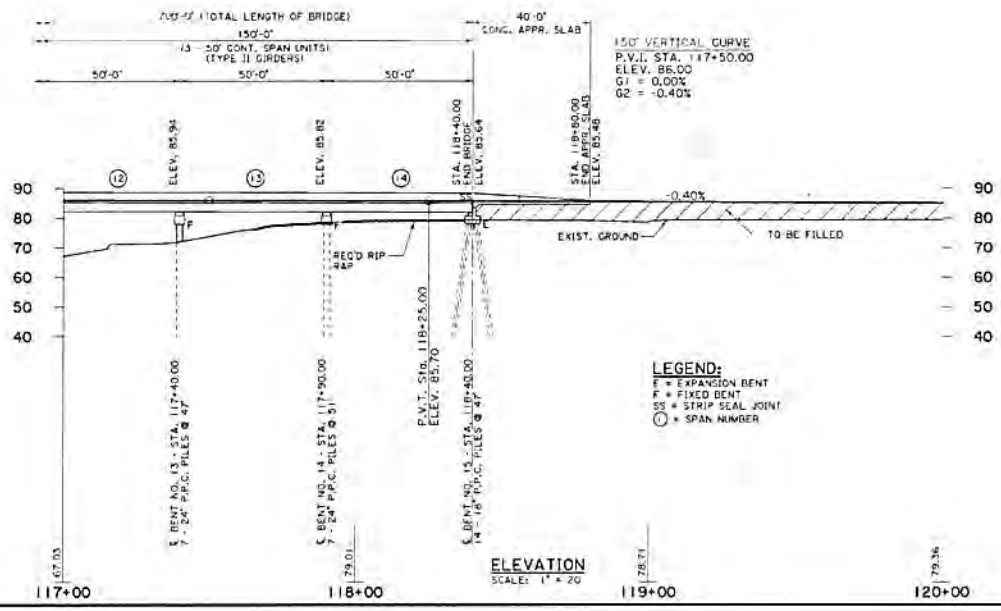
DOTD

LAZENBY & ASSOCIATES, INC.

98% FINAL PLANS



PLAN
SCALE: 1" = 20'



ELEVATION
SCALE: 1" = 20'

LEGEND:
F = EXPANSION BENT
F = FIXED BENT
SS = STRIP SEAL JOINT
(1) = SPAN NUMBER

LAZENBY & ASSOCIATES, INC.

PRELIMINARY - FOR PERMIT PURPOSES ONLY

These documents were prepared by, or under the supervision of:
Randy C. Hammons
P.E. No. 29904
Date: Mar., 2017

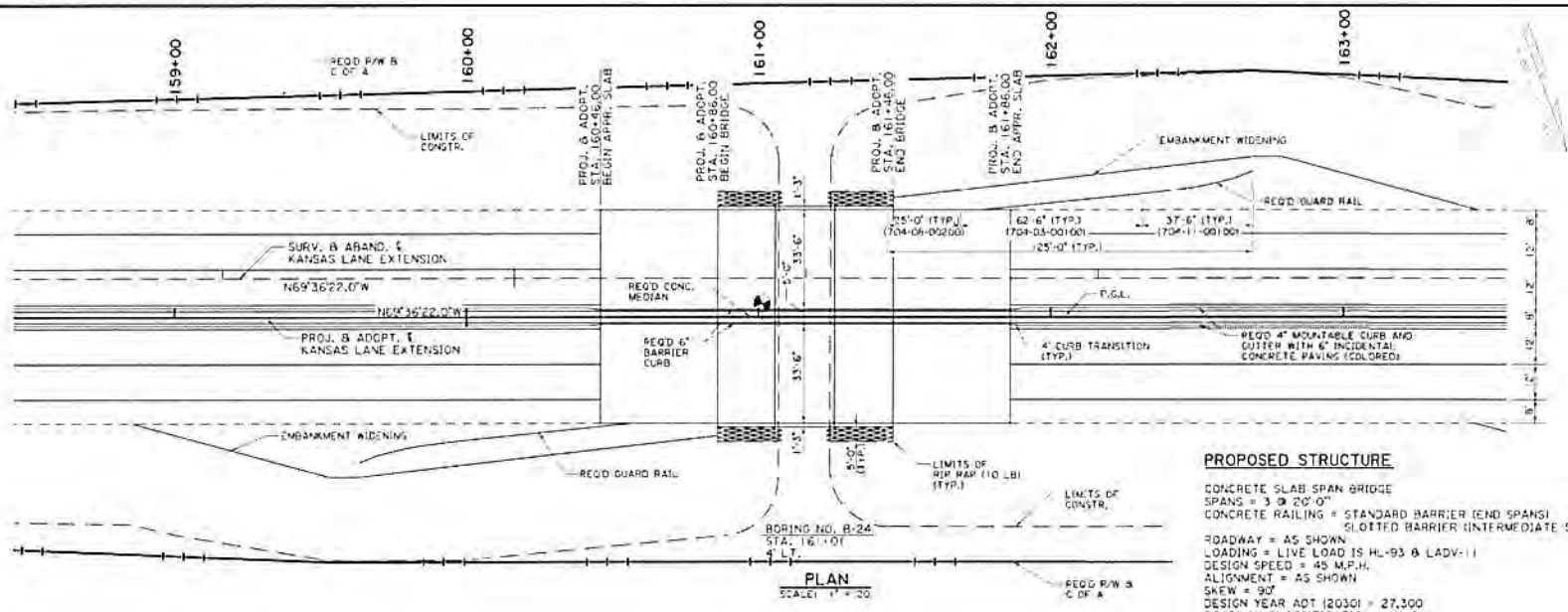
GENERAL PLAN
BAYOU DESIARD BRIDGE
KANSAS LANE EXTENSION

DOTD

LAZENBY & ASSOCIATES, INC.

ORIGINAL DRAWING	R.C.H.	PARISH	OUACHITA
DRAWN	R.C.H.	CONTROL NUMBER	
CHECKED	R.C.H.	STATE PROJECT	H.007289
REVIEWED			
DATE	3 OF 3		

SHEET NUMBER 205



PROPOSED STRUCTURE

CONCRETE SLAB SPAN BRIDGE
SPANS = 3 @ 20'-0"
CONCRETE RAILING = STANDARD BARRIER (END SPANS)
SLOTTED BARRIER (INTERMEDIATE SPANS)
ROADWAY = AS SHOWN
LOADING = LIVE LOAD IS HL-93 & LADV-11
DESIGN SPEED = 45 M.P.H.
ALIGNMENT = AS SHOWN
SKEW = 90°
DESIGN YEAR ADT (2030) = 27,300
ROADWAY CLASSIFICATION = UA-2

STRUCTURE DEPTH SUMMARY

CAST IN PLACE SLAB DECK = 1'-2"

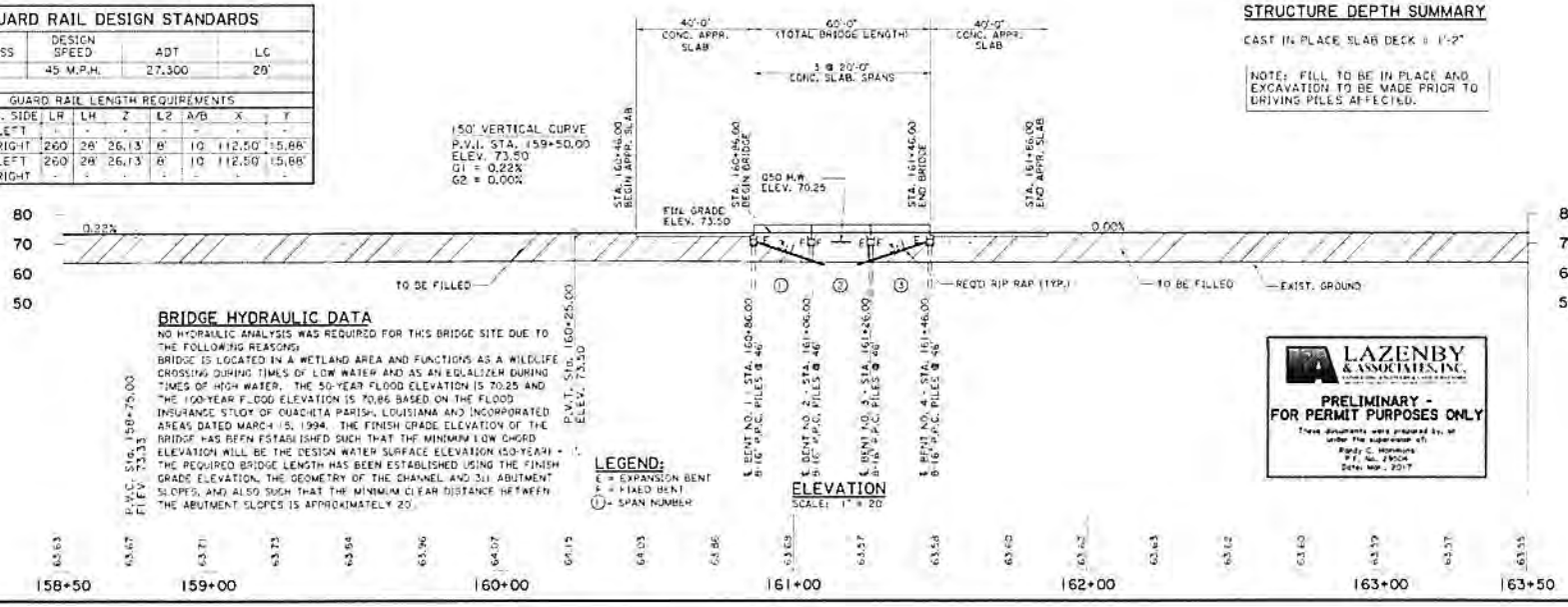
NOTE: FILL TO BE IN PLACE AND EXCAVATION TO BE MADE PRIOR TO DRIVING PILES AFFECTED.

GUARD RAIL DESIGN STANDARDS

HWY. DES. CLASS	DESIGN SPEED	ADT	LC
UA-2	45 M.P.H.	27,300	20'

GUARD RAIL LENGTH REQUIREMENTS

	BR. SIDE	LR	LH	Z	L2	A/B	X	Y
BEGIN BRIDGE	LEFT	-	-	-	-	-	-	-
	RIGHT	260'	28'	26.13'	8'	10'	112.50'	15.88'
END BRIDGE	LEFT	260'	28'	26.13'	8'	10'	112.50'	15.88'
	RIGHT	-	-	-	-	-	-	-



BRIDGE HYDRAULIC DATA

NO HYDRAULIC ANALYSIS WAS REQUIRED FOR THIS BRIDGE SITE DUE TO THE FOLLOWING REASONS:
BRIDGE IS LOCATED IN A WETLAND AREA AND FUNCTIONS AS A WILDLIFE CROSSING DURING TIMES OF LOW WATER AND AS AN EQUALIZER DURING TIMES OF HIGH WATER. THE 50-YEAR FLOOD ELEVATION IS 70.25 AND THE 100-YEAR FLOOD ELEVATION IS 70.86 BASED ON THE FLOOD INSURANCE STUDY OF OUACHITA PARISH, LOUISIANA AND INCORPORATED AREAS DATED MARCH 15, 1994. THE FINISH GRADE ELEVATION OF THE BRIDGE HAS BEEN ESTABLISHED SUCH THAT THE MINIMUM LOW CHORD ELEVATION WILL BE THE DESIGN WATER SURFACE ELEVATION (50-YEAR) + THE REQUIRED BRIDGE LENGTH HAS BEEN ESTABLISHED USING THE FINISH GRADE ELEVATION, THE GEOMETRY OF THE CHANNEL AND 3:1 ABUTMENT SLOPES, AND ALSO SUCH THAT THE MINIMUM CLEAR DISTANCE BETWEEN THE ABUTMENT SLOPES IS APPROXIMATELY 20'.

LEGEND:
E = EXPANSION BENT
F = FIXED BENT
(1) - SPAN NUMBER

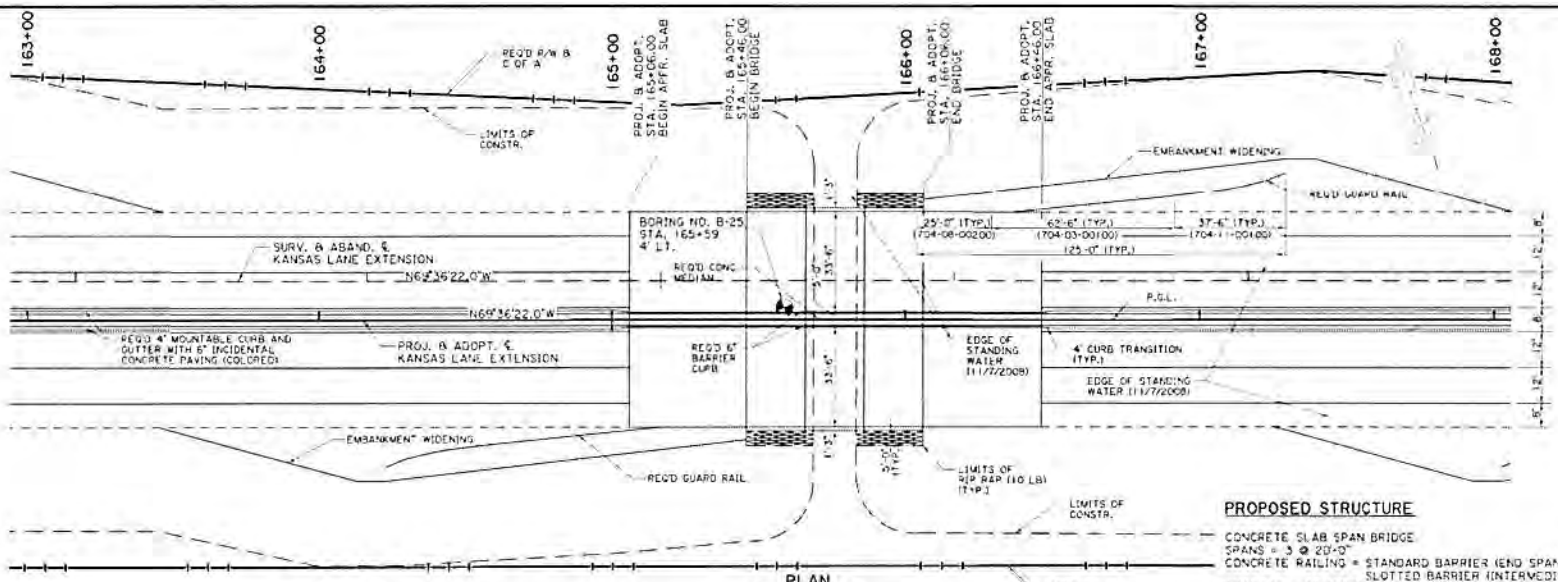
LAZENBY & ASSOCIATES, INC.

PRELIMINARY - FOR PERMIT PURPOSES ONLY

These documents were prepared by, or under the supervision of:
Randy C. Hommers
P.E. No. 29904
Date: Mar., 2017

98% FINAL PLANS

GENERAL PLAN
CHAUVIN BRIDGE SITE 1
KANSAS LANE EXTENSION
OUACHITA
H.007289
206



PLAN

SCALE: 1" = 20'

PROPOSED STRUCTURE

CONCRETE SLAB SPAN BRIDGE
SPANS = 3 @ 20'-0"
CONCRETE RAILING = STANDARD BARRIER (END SPANS)
SLOTTED BARRIER (INTERMEDIATE SPANS)
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LOADING = LIVE LOAD IS HL-93 & LADOTD
DESIGN SPEED = 45 M.P.H.
ALIGNMENT = AS SHOWN
SKEW = 90°
DESIGN YEAR ADT (2030) = 27,300
ROADWAY CLASSIFICATION = UA-2

GUARD RAIL DESIGN STANDARDS

HWY. DES. CLASS	DESIGN SPEED	ADT	LC
UA-2	45 M.P.H.	27,300	28'

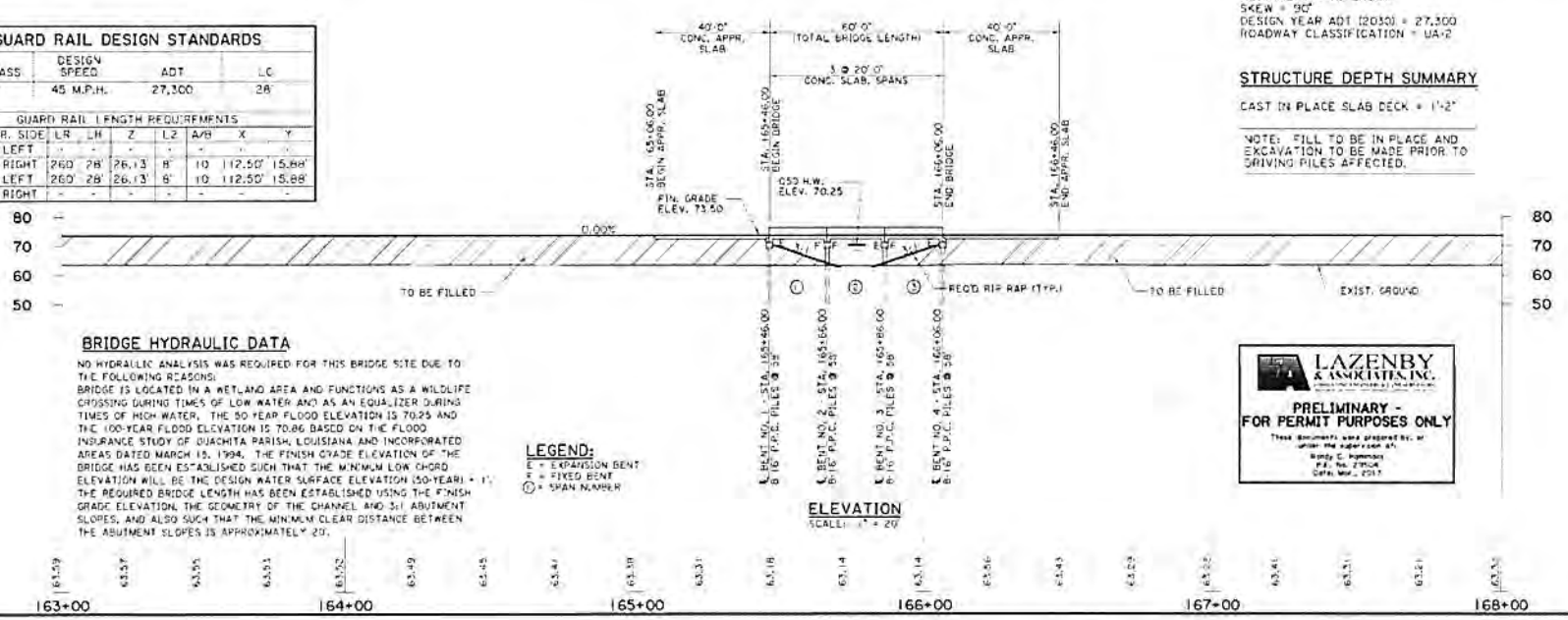
GUARD RAIL LENGTH REQUIREMENTS

	BR. SIDE	LR	LH	Z	L2	A/B	X	Y
BEGIN BRIDGE	LEFT	-	-	-	-	-	-	-
	RIGHT	260'	28'	26.13'	8'	10'	112.50'	15.88'
END BRIDGE	LEFT	260'	28'	26.13'	6'	10'	112.50'	15.88'
	RIGHT	-	-	-	-	-	-	-

STRUCTURE DEPTH SUMMARY

CAST IN PLACE SLAB DECK = 1'-2"

NOTE: FILL TO BE IN PLACE AND EXCAVATION TO BE MADE PRIOR TO DRIVING PILES AFFECTED.



ELEVATION

SCALE: 1" = 20'

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LEGEND:

E = EXPANSION BENT
F = FIXED BENT
(#) = SPAN NUMBER

LAZENBY & ASSOCIATES, INC.

PRELIMINARY - FOR PERMIT PURPOSES ONLY

These documents were prepared by, or under the supervision of:
Randy C. Hammons
P.E. No. 27954
Date: May, 2017

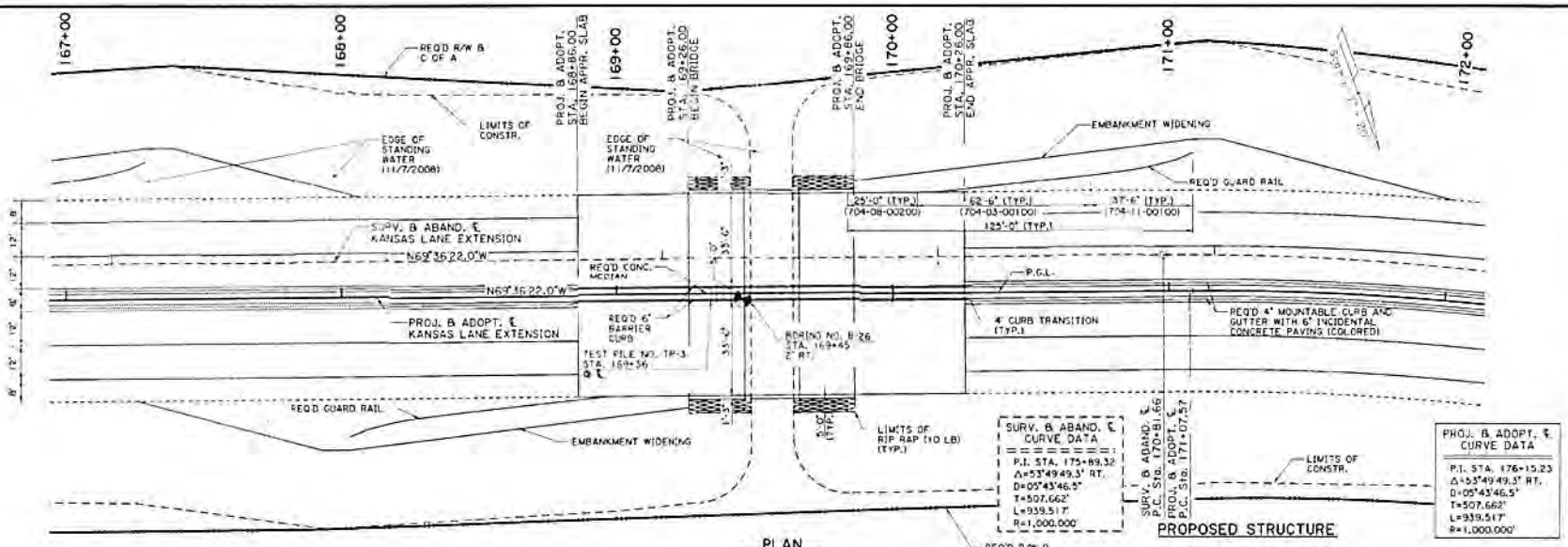
98% FINAL PLANS

GENERAL PLAN
CHAUVIN BRIDGE SITE 2
KANSAS LANE EXTENSION

OUACHITA

H.00/7289

LAZENBY & ASSOCIATES, INC.



PLAN
SCALE: 1" = 20'

PROPOSED STRUCTURE

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SPANS = 3 @ 20'-0"
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LOADING = LIVE LOAD IS HL-93 & LADV-11
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ALIGNMENT = AS SHOWN
SKEW = 90°
DESIGN YEAR ADT (2030) = 27,300
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HWY. DES. CLASS	DESIGN SPEED	ADT	LC
UA-2	45 M.P.H.	27,300	28'

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	BR. SIDE	LR	LH	Z	L2	A/B	X	Y
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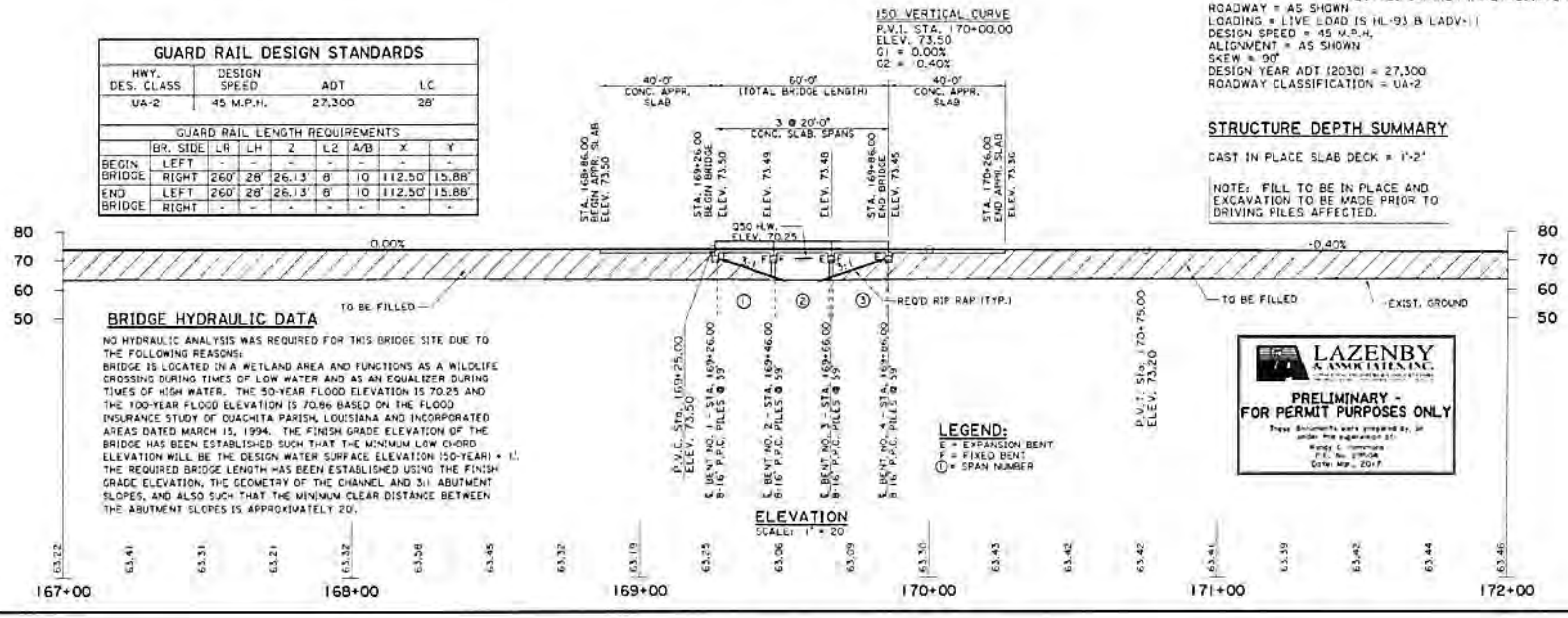
	RIGHT	-	-	-	-	-	-	-



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STRUCTURE DEPTH SUMMARY

CAST IN PLACE SLAB DECK = 1'-2'

NOTE: FILL TO BE IN PLACE AND EXCAVATION TO BE MADE PRIOR TO DRIVING PILES AFFECTED.

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E = EXPANSION BENT
F = FIXED BENT
① = SPAN NUMBER

LAZENBY & ASSOCIATES, INC.
PRELIMINARY - FOR PERMIT PURPOSES ONLY
These documents were prepared by, or under the supervision of:
Randy C. Hammons
P.E. No. 27904
Date: Mar., 2017

98% FINAL PLANS

GENERAL PLAN
CHAUVIN BRIDGE SITE 3
KANSAS LANE EXTENSION
OUACHITA
H.007289
208
1 OF 1
LAZENBY & ASSOCIATES, INC.