INDEX TO SHEETS

STATE OF LOUISIANA

LOUISIANA HIGHWAY COMMISSION

PLAN AND PROFILE OF PROPOSED

STATE HIGHWAY

BAYOU LACOMBE BRIDGE AND APPROACHES

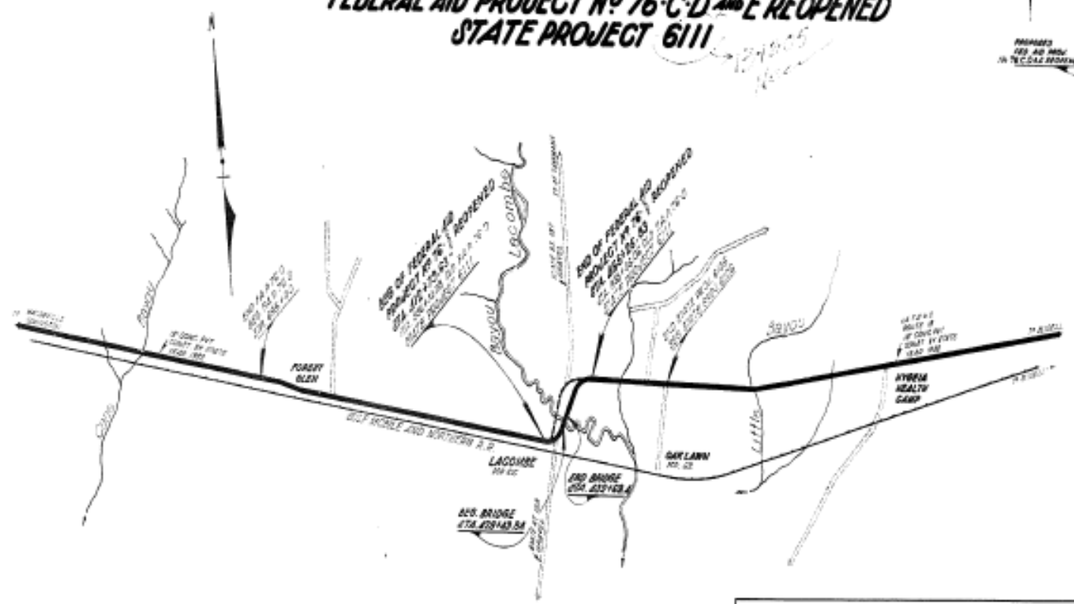
STATE ROUTE No. 84

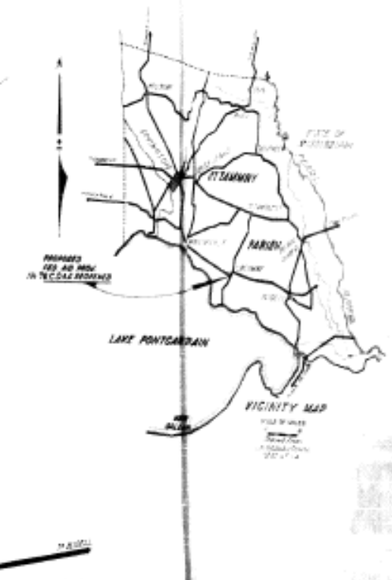
COVINGTON - SLIDELL PEARL RIVER HWY

ST. TAMMANY PARISH

FEDERAL AID PROJECT No. 76-C-D AND E REOPENED

STATE PROJECT 6111





LENGTH OF FEDERAL AID PROJECT No. 76 REOPENED
STATE PROJECT 6111

STA. TO STA.	STATIONS OLD R.A.P. TO D	ROADWAY FEET	BRIDGE FEET
412+73.63 - 429+29.84	556+10.96	1670.21	
429+29.84 - 439+49.40			319.56
439+49.40 - 465+26.83	585+00.00	2576.43	
TOTAL FEET		4246.64	319.56
TOTAL MILE		0.745	0.060
GROSS LENGTH FEDERAL AID PROJECT No. 76 REOPENED - 0.805 MILE			
GROSS LENGTH STATE PROJECT 6111 - 0.803 MILE			

CONVENTIONAL SIGNS

FIELD BOOKS 15 SEE AND TRAVO
DATUM USED GIVES
ELEVATIONS ARE TRUE

LAYOUT MAP

SCALE: 1 INCH = 2640 FEET

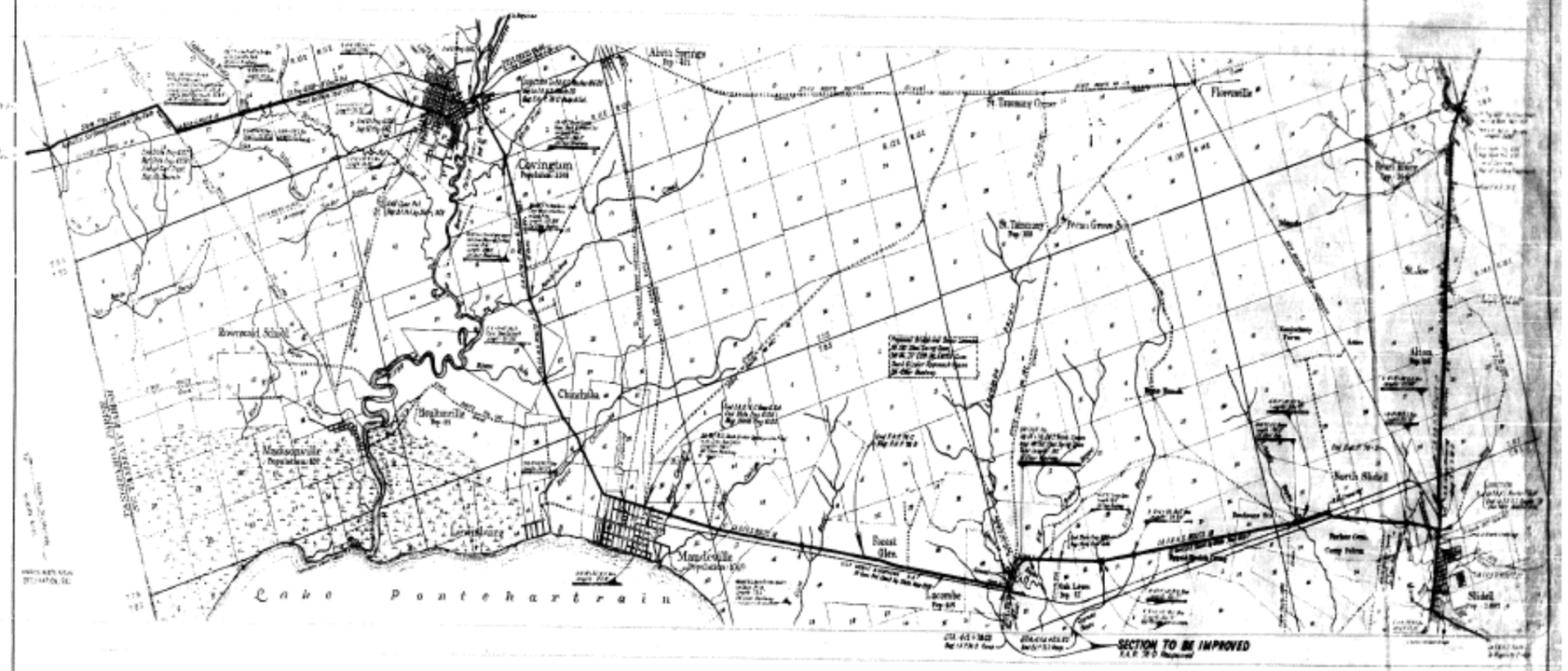
LAYOUT MAP ONLY

SCHEDULE OF REVISIONS

[redacted]

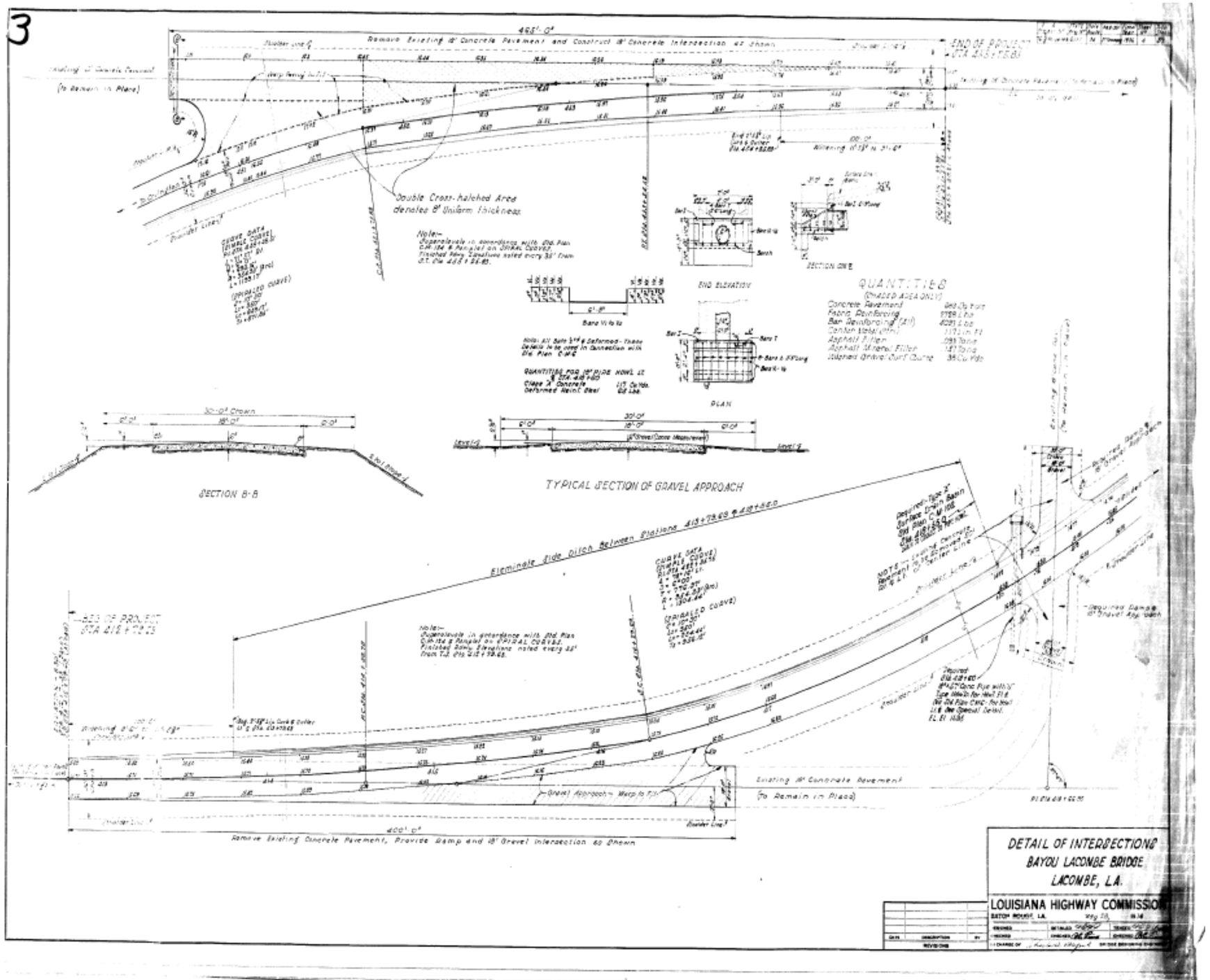
FINAL TRACINGS

2

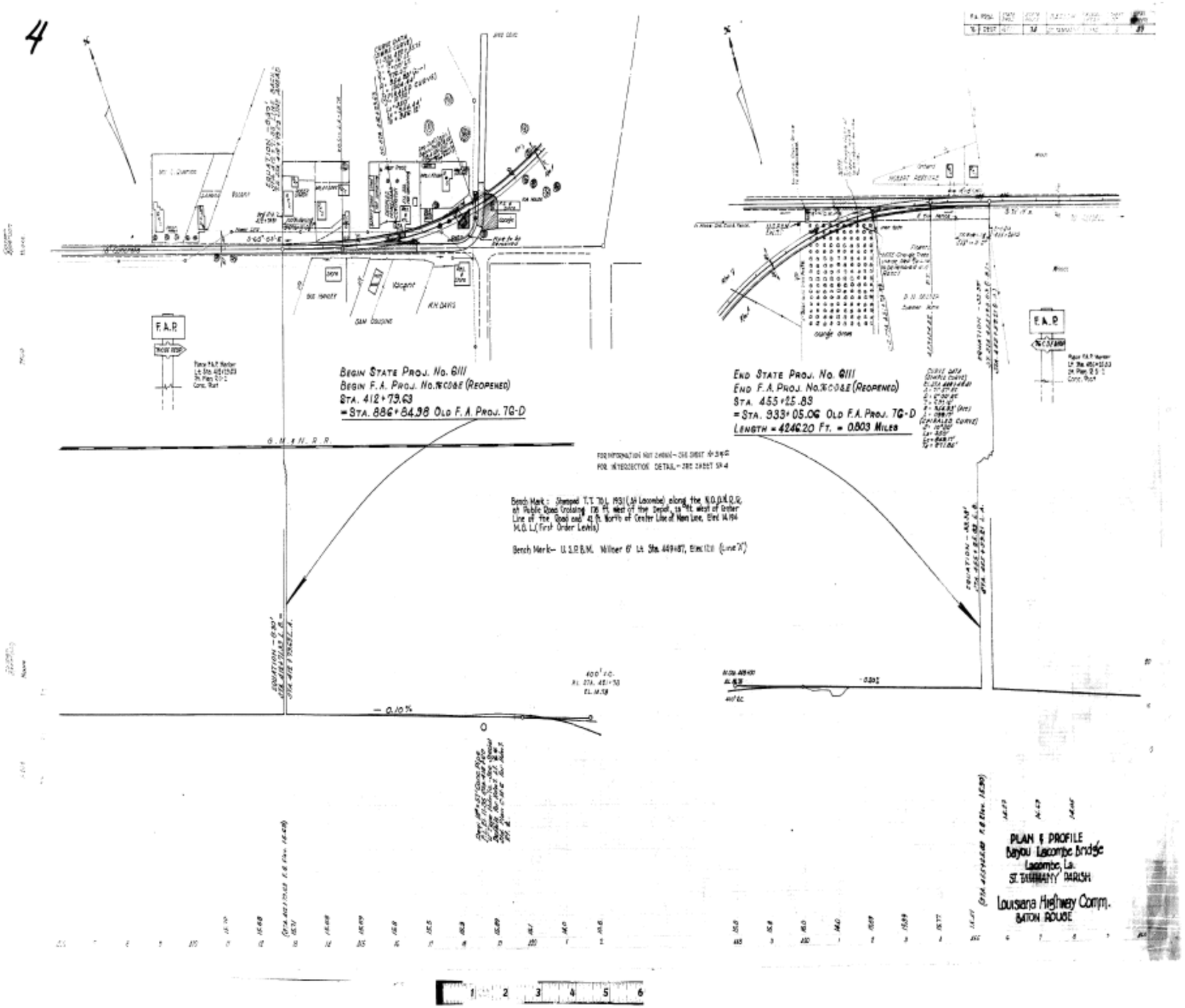


LAYOUT MAP
COVINGTON-SLIDELL
PEARL RIVER HWY
BAYOU LACOMBE BRIDGE
ST TAMMANY PARISH

FINAL TRACINGS

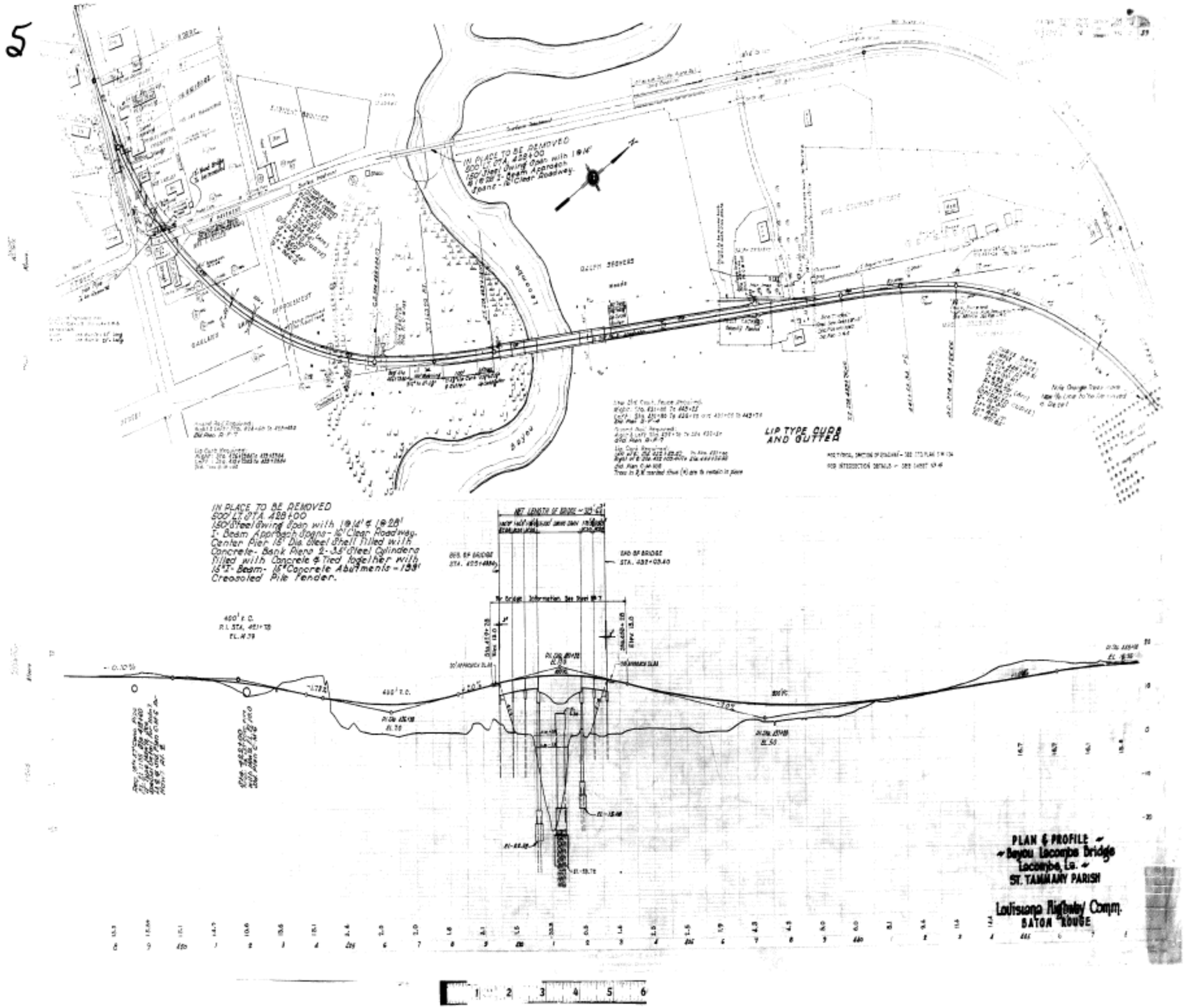


FINAL TRACINGS



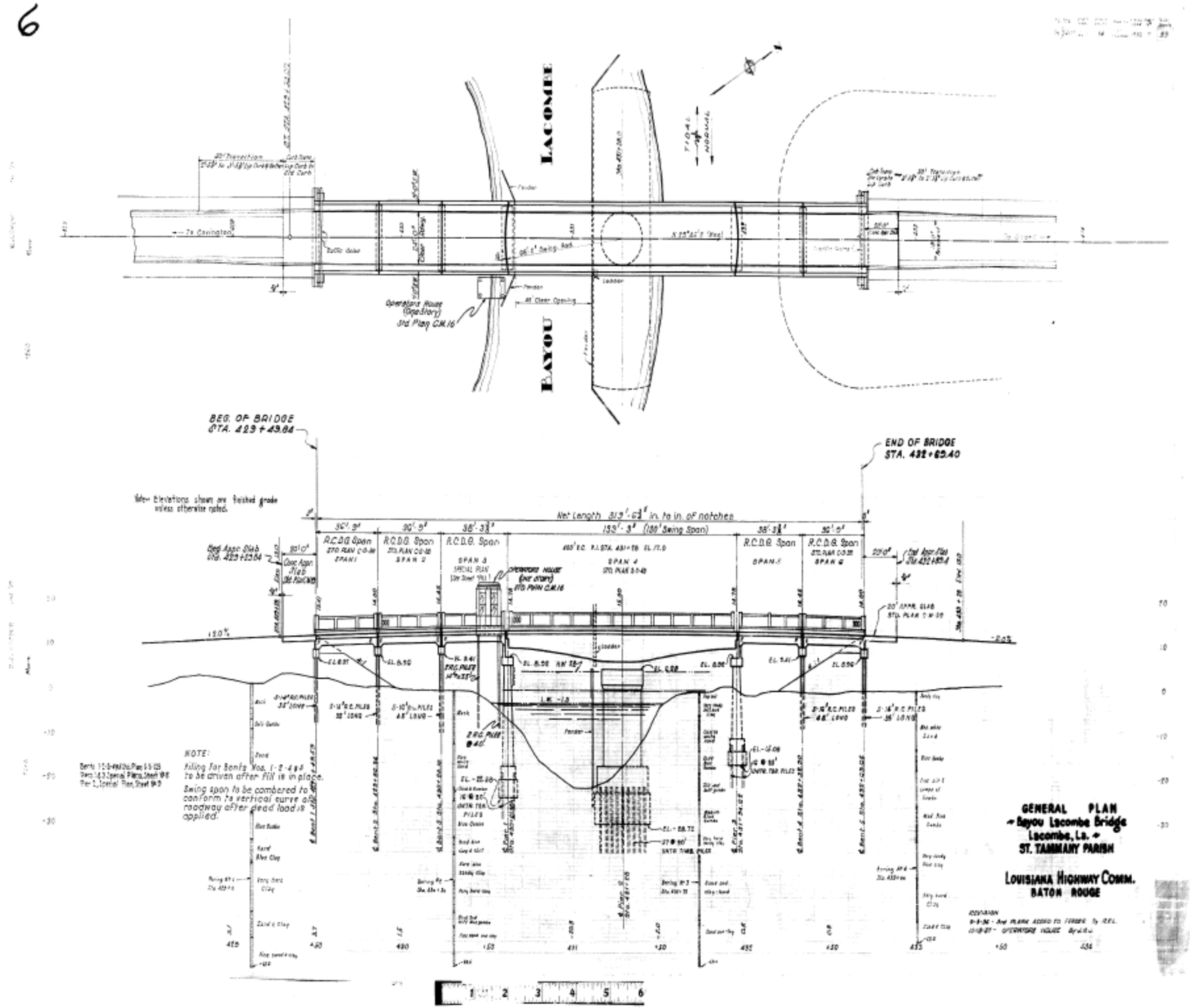
FINAL TRACINGS

5

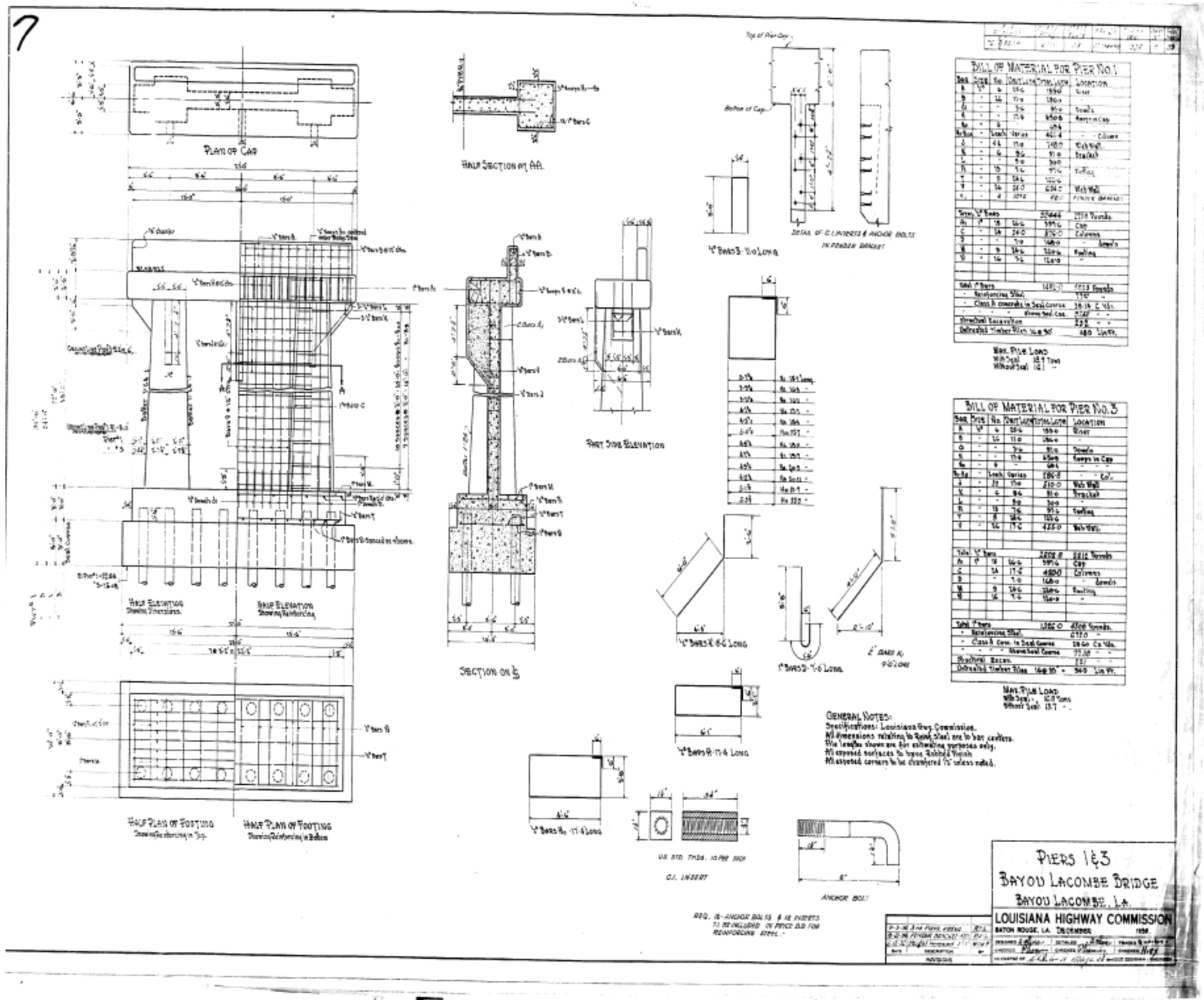


FINAL TRACINGS

6

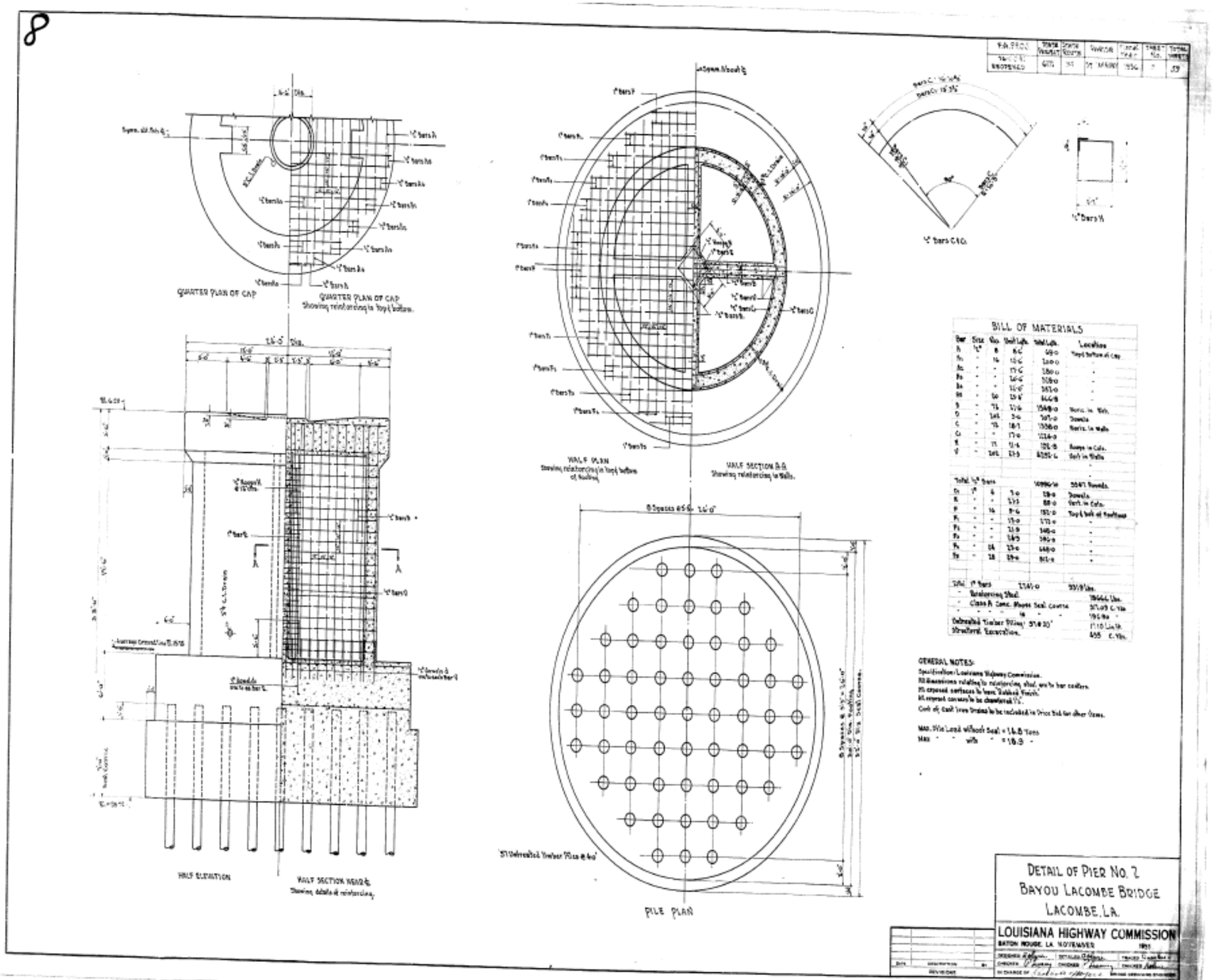


FINAL TRACINGS



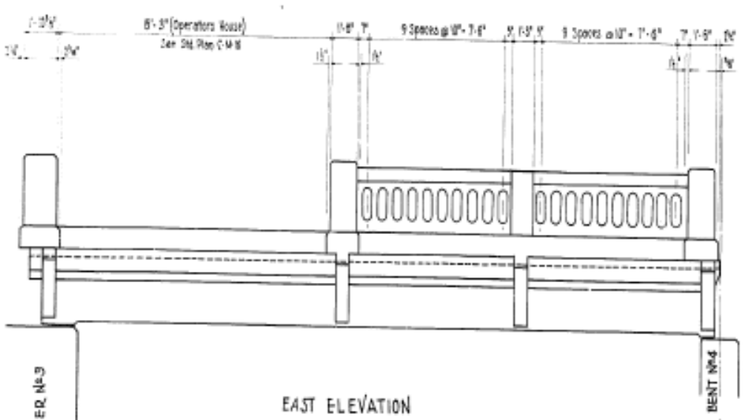
FINAL TRACINGS

8



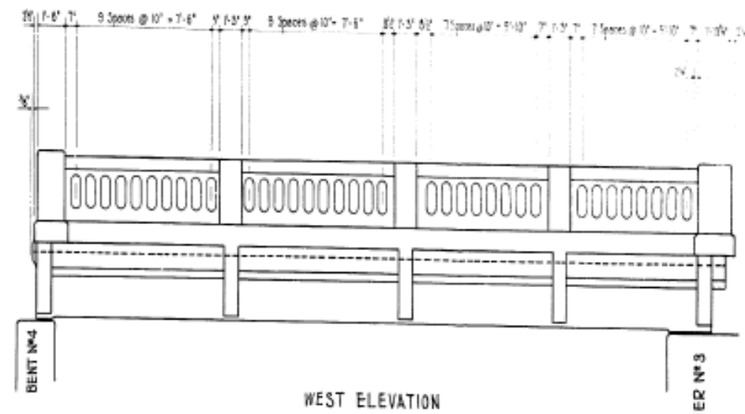
FINAL TRACINGS

9



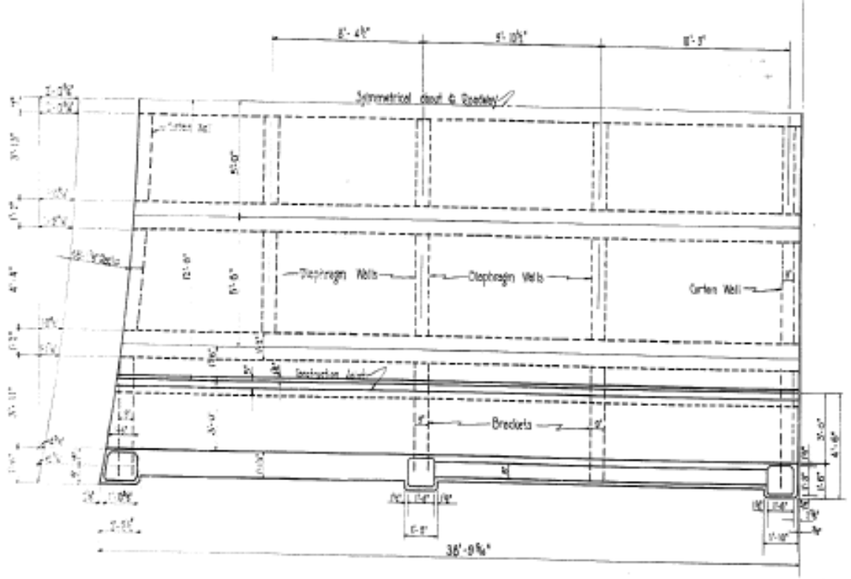
EAST ELEVATION

SHOWING LOCATION OF OPERATORS HOUSE AND SPACING OF HANDRAIL POSTS

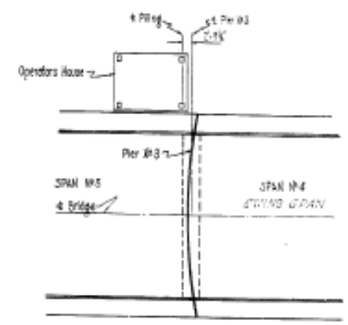


WEST ELEVATION

SHOWING SPACING OF HANDRAIL POSTS



HALF PLAN SHOWING DIMENSIONS



PLAN SHOWING LOCATION OF OPERATORS HOUSE

BILL OF STEEL

BAR	NO.	SIZE	UNIT LGTH.	TOTAL LGTH.	LOCATION
5	1	[illegible]	[illegible]	[illegible]	[illegible]
5	1	[illegible]	[illegible]	[illegible]	[illegible]
5	2	[illegible]	[illegible]	[illegible]	[illegible]
5	2	[illegible]	[illegible]	[illegible]	[illegible]
4	2	[illegible]	[illegible]	[illegible]	[illegible]
5	8	[illegible]	[illegible]	[illegible]	DIAPHRAGM WALL
5	2	[illegible]	[illegible]	[illegible]	[illegible]
Total [illegible] bars				[illegible]	
5	2	[illegible]	[illegible]	[illegible]	DIAPHRAGM WALL
Total [illegible] Steel				[illegible]	

Note- The above Bill of Steel represents the Reinf. Steel in the [illegible] bracket and diaphragm wall of Span 5.

QUANTITIES – SPAN Nº5

Class A-A Concrete	53.0 Cu. Yds.
Reinf. Steel	1,066 #

Note- All dimensions and details not shown on this plan are same as for Span Nº3

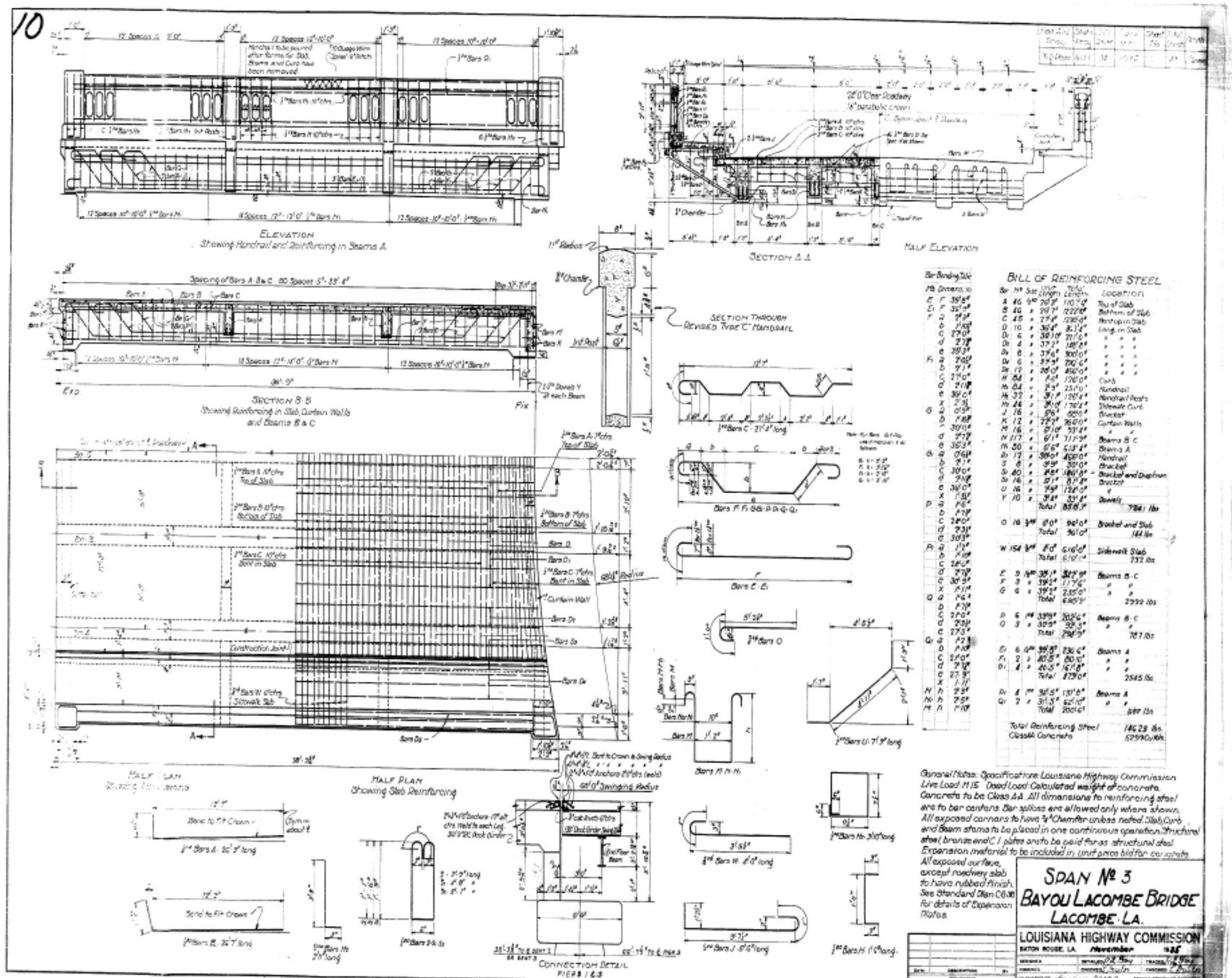
SPAN Nº5
BAYOU LACOMBE BRIDGE
LACOMBE, LA.

LOUISIANA HIGHWAY COMMISSION
BATON ROUGE, LA. DECEMBER 1941

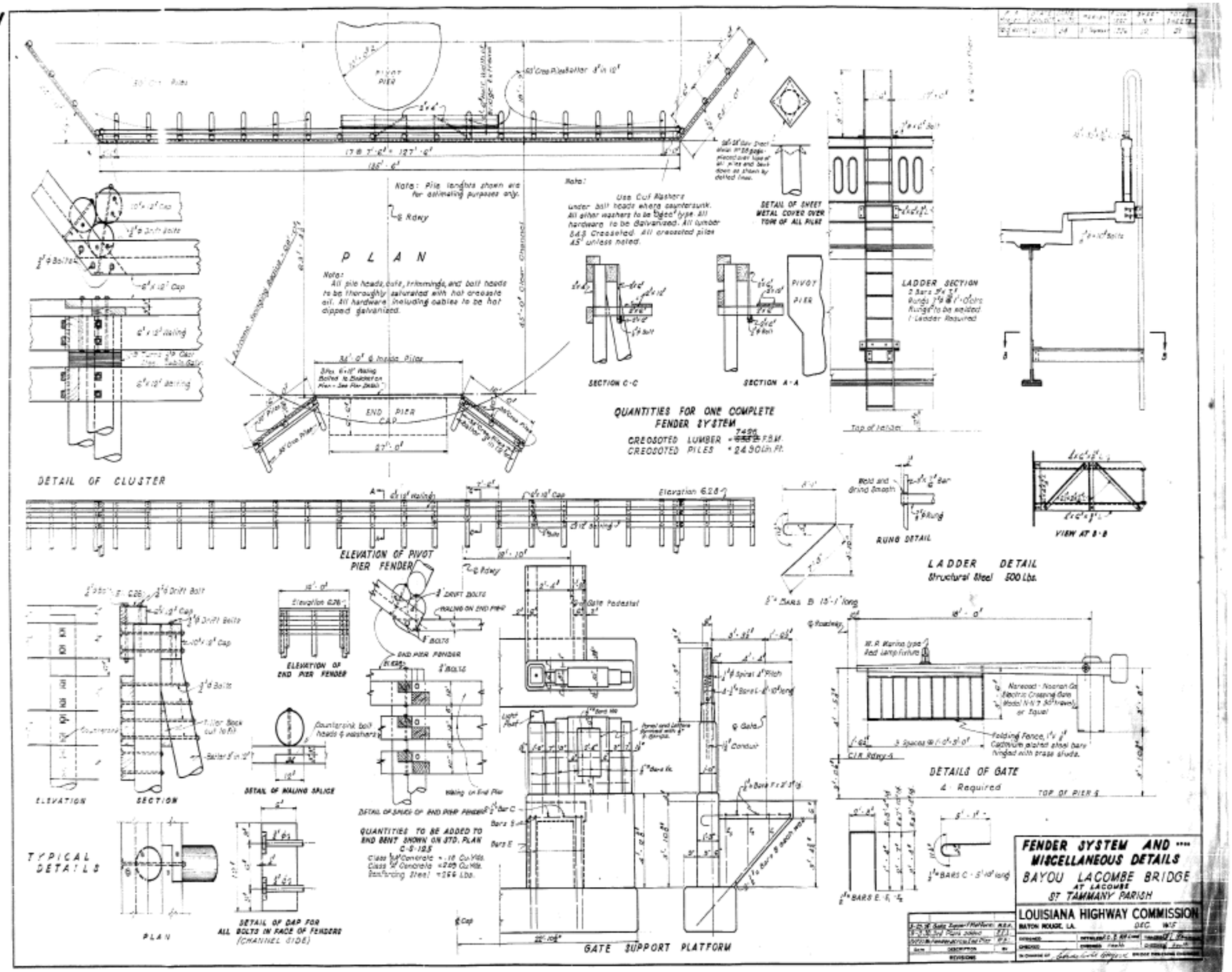
DATE	DESCRIPTION	BY
	REVISIONS	

DESIGNED [illegible] MEASURED [illegible] TRACED [illegible]
CHECKED [illegible] COMPUTED [illegible] CHECKED [illegible]
IN CHARGE OF [illegible] BRIDGE DESIGNING ENGINEER

FINAL TRACINGS



FINAL TRACINGS



FINAL TRACINGS

12

F.A. PROJECT	STATE PROJECT	TOTAL SHEETS	FILE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
36CDE 8107	411	44	31	1946	436	39	39

ITEM NO	1 Clearing Acres	2 Grubbing Acres	4 Roadway Excavation Cu. Yds.	5 Borrow Complete in Place Cu. Yds.	10 Bituminous Surface Sq. Yds.	12 New Conc. Pavement Sq. Yds.	13 Scarifying Sq. Yds.	14 Resurfacing Miscellaneous No.	90-A 18" Precast Concrete Piles Lin. Ft.	141-B Reconstruction of Buildings and Structures Each	141-C Alt. of Adj. Structures Each	135 Removal of Structures and Clearing Bridge Each	17-A Rem. Old Conc. Pavt. Sq. Yd.	49-D Rem. Old Conc. Pipe Lin. Ft.	18 Drilling Holes Lin. Ft.	19 Operating Ferry No.	36A-B or E Portland Cement Concrete Pavement Sq. Yds.	36.17 Asphalt Filler Tons	36.18A Asphalt Mineral Filler (Air) Tons	36.20A Fabric Reinforcing Pounds	36.20B Bar Reinforcing (Air) Pounds	36.25A or B Center Metal Strip Lin. Ft.	211 Fruit Trees Removed and Replanted Each	60 Class AA Concrete Cu. Yds.	61 Class A Concrete Cu. Yds.	61A Class A Concrete in Box Culvert Cu. Yds.	66 Deformed Reinforcing Steel Pounds	70 Fabricated Structural Steel Pounds	72 Wrapping Sheets at Concrete Pipe Sq. Yds.	89-C 16" Conc. Cyl. Cast C.I.P. Lin. Ft.	116 Creosoted Timber Piles Driven Lin. Ft.	81 Creosoted Timber Piles Driven Lin. Ft.	361 Loading Test Piles Each	361 Unloaded Test Piles Each	54 Untreated Test Piles Lin. Ft.	30 Creosoted Test Piles Lin. Ft.	92 Removal of Timber Piles Lin. Ft.	131 Removal of Timber Bridge Floor Sq. Yds.	146-A Standard Bridge Rails Lin. Ft.	146-B Modified Bridge Rails Lin. Ft.	79 Bridge Plates No.	79 Bridge Plates No.
South Approach	1.4	0.4	1466	12132	7.0		6.36	1		6	13	1	936	57			3300.42	0.181	0.266	13070	19604	1650.21	36	23.38	3.86		3312		38	39	3000						1000		7		
Swing Span																1								113.28			25000	185500												1	1
Pivot Pier & Fender																									317.09	196.90	18666				59		2	Creosoted Timber	1710	1490		435			
Piers No. 1 & 3																									173.89	66.76	14466						2	Creosoted Timber	1040			453			
Bents No. 1-2-3-4-5									665															2.22	46.34		6092					450	2	Creosoted Timber							
S.C.D.G. Grade																								303.85			12903	4075													
North Approach	3.2	0.8	1613	14785	4.36	32.45	13.1	1		2	13		760	84	3		5161.86	0.339	0.537	20441	30662	2353.45		23.54	3.44		3243				1403						330		2		
Total Roadway	4.6	1.2	3099	26977	6.35	32.45	13.61	1		8	26		1768	141	3		8462.28	0.520	0.803	33511	50262	4003.64	36	47.92	7.30		6555		38	39	4403						1330		9		
Total Bridge									665			1				1								319.35	537.92	263.64	136786	189575			59	450	6	6	2750	1490		688		1	1
GRAND TOTAL	4.6	1.2	3099	26977	6.35	32.45	13.61	1	665	8	26	1	1768	141	3	1	8462.28	0.520	0.803	33511	50262	4003.64	36	456.87	545.22	263.64	145341	189575	38	39	4403	59	450	6	6	2750	2490	1330	688	9	1	1

Note - Pile lengths shown are approximate and are for estimating purposes only.

* Non-participating items

LIST OF MISCELLANEOUS STRUCTURES

PLAN	STATION	TYPE OF STRUCTURE	CLEARING	LIGHTING	12" STEEL	15" C.I. PIPE	24" C.I. PIPE	FLAME GATES	REMARKS
[illegible]	412+30	5 Conc. Pipe, 2-Holes		0.58	48	21			Rt. ℄
[illegible]	412+12	18" " " "		0.88	48	21			Rt. ℄
[illegible]	418+50	Side Drain Type "A"	2.86		286				11.5' [illegible]
[illegible]	419+80	18" Conc. Pipe, 2-Holes		1.40	68	57			℄
[illegible]	421+00	24" Conc. Pipe, 4-Holes		1.24	70		57		℄
[illegible]	426+10	Side Drain Type "B"	5.80		627				Lt. ℄
[illegible]	429+28.84	11' Concrete Slab	18.18		2164				Beg. Br.
	Total	Storm Approach	32.58	3.86	3312	99	57		
[illegible]	431+49.41	11' Approach Slab	15.13		1144				End. Br.
[illegible]	437+00	Side Drain Type "A"	5.46		546				Lt. ℄
"	437+50	" " " "B"	4.73		473				Rt. ℄
[illegible]	438+55	24" Conc. Pipe - 6 Holes		0.86	60		21		Lt. ℄
"	438+85	" "		0.86	60		21	1	Rt. ℄
"	443+20	" "		0.96	60		21	1	Lt. ℄
"	443+50	" "		0.96	60		21	1	Rt. ℄
	Total	North Approach	25.74	5.14	3128		84	3	
	Grand Total		41.33	7.30	6440	99	141	3	

BUILDINGS TO BE REMOVED

STATION	DESCRIPTION		REMARKS
414+70	Filling Sta.	18'x60'	Lt. ℄
416+40	" "	50'x70'	Lt. ℄
418+25	" "	30'x40'	℄
419+30	" "	30'x40'	Rt. ℄
419+10	Garage	30'x50'	Rt. ℄
439+00	Shed	15'x17'	Lt. ℄
451+00	4'x550' Tile Fence		Adjustable
415+50	Awning	21'x50'	Lt. ℄
417+25	Conc. Gate	24'x30'	Lt. ℄

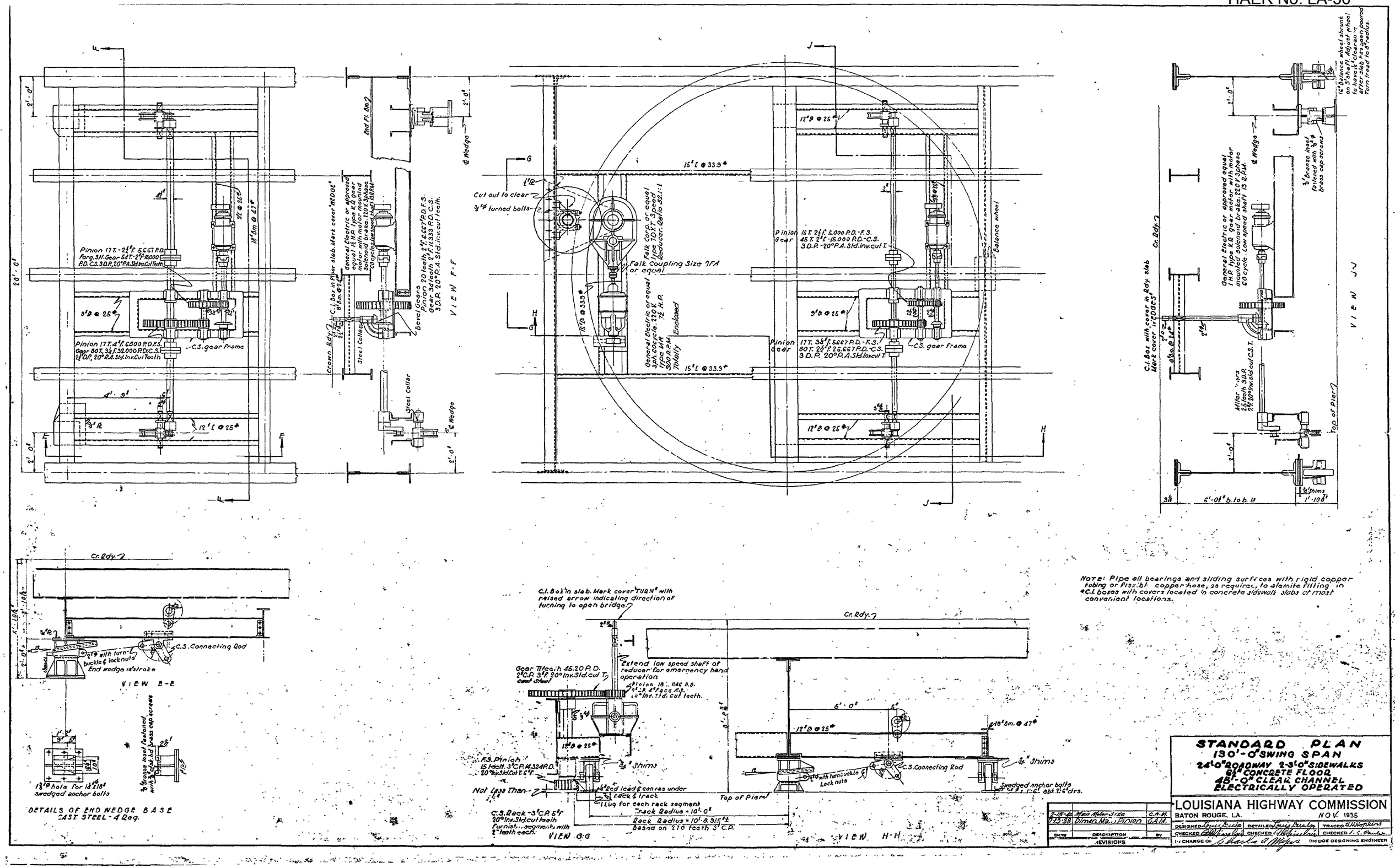
SUMMARY OF QUANTITIES FOR BAYOU LA COURSE BRIDGE

LOUISIANA HIGHWAY COMMISSION
BATON ROUGE, LA. December 1945

DATE	DESCRIPTION	BY
9-24-46	Revised Plan	

REVISIONS

FINAL TRACINGS


VIEW F-F
VIEW J-J
VIEW E-E
VIEW G-G
VIEW H-H
DETAILS OF END WEDGE BASE CAST STEEL - 4 Req.
Pinion 17T.-2¼"F. 5.667 P.D.
Forg. 31T. Gear 54T.-2¼"F. 10.000 P.D. C.S. 3 D.P. 20° P.A. Std. Inv. Cut Teeth
Pinion 17T. 4"F. 6.000 P.D. F.S.
Gear 80T. 3½"F. 32.000 P.D. C.S.
2¼" D.P. 20° P.A. Std. Inv. Cut Teeth
C.S. gear frame
Steel Collar
Bevel Gears
Pinion 20 teeth 2¼"F. 5.667" P.D. F.S.
Gear 34 teeth 2"F. 13.333 P.D. C.S.
3 D.P. 20° P.A. Std. Inv. cut teeth.
General Electric or approved equal 1 H.P. type K.D. gear motor with mounted solenoid brake. 220 V. 3 phase 60 cycle. Low speed shaft 13 R.P.M.
C.I. Box in floor slab. Mark cover "MOOR"
End Pl. Bm.
Wedge
Cut out to clear
¾" ϕ turned bolts
Falk Coupling Size 7FA or equal
Falk Corp. or equal Type 10 T.T. Speed reducer. Ratio 52:1
General Electric or equal 3 ph. 60 cycle. 220 V. 1/2 H.P. 900 R.P.M. Totally Enclosed
Pinion 15T. 2¼"F. 5.000 P.D.-F.S.
Gear 45T. 2¼"F.-15.000 P.D.-C.S.
3 D.P.-20° P.A. Std. Inv. cut T.
Pinion 17T. 3¼"F. 5.667 P.D.-F.S.
Gear 80T. 2½"F. 26.667 P.D.-C.S.
3 D.P. 20° P.A. Std. Inv. cut T.
Balance wheel
Cr. Rdy.
C.I. Box with cover in Rdy. slab
Mark cover "ROOR"
General Electric or approved equal
1 H.P. type K.D. gear motor with motor mounted solenoid brake. 220 V. 3 phase
60 cycle. Low speed shaft 13 R.P.M.
Wedge
Bronze inset fastened with ¾" ϕ brass cap screws
Miter Gears
25 teeth 3 D.P.
24° 30' Inv. Std. cut C.S.T.
Top of Pier
Shims
6'-0" b. to b. ⊥
C.S. Connecting Rod
¾" ϕ with turnbuckle & lock nuts
End wedge 18" stroke
1¾" ϕ hole for 1¾" x 18" wedged anchor bolts
¾" Bronze inset fastened with ¾" ϕ Sch. 40 brass cap screws
C.I. Box in slab. Mark cover "TURN" with raised arrow indicating direction of turning to open bridge.
Gear 77 teeth 45.20 P.D.
2" C.P. 3" F. 20° Inv. Std. cut T.
Cast Steel
Extend low speed shaft of reducer for emergency hand operation
Pinion 18 T. 11.46 P.D.
F.S. Pinion
15 teeth. 3" C.P. 14.324 P.D.
20° Inv. Std. cut E.C.T.
Not Less Than
¾" Rod lead & canvas under rack & track
Lug for each rack segment
Track Radius = 10'-0"
Rack Radius = 10'-8.315"
Based on 210 teeth 3" C.P.
C.S. Rack - 3" C.P. 5" F.
20° Inv. Std. cut teeth
Furnish segments with 2" teeth each.
Swedged anchor bolts
Note: Pipe all bearings and sliding surfaces with rigid copper tubing or flexible copper hose, as required, to alemite fitting in C.I. boxes with covers located in concrete sidewalk slabs of most convenient locations.
STANDARD PLAN
130'-0" SWING SPAN
24'-0" ROADWAY 2-3'-0" SIDEWALKS
6½" CONCRETE FLOOR
45'-0" CLEAR CHANNEL
ELECTRICALLY OPERATED
LOUISIANA HIGHWAY COMMISSION
BATON ROUGE, LA.
NOV. 1935
REVISIONS
DATE
DESCRIPTION
BY
DESIGNED
DETAILED
TRACED
CHECKED
IN CHARGE OF
BRIDGE DESIGNING ENGINEER