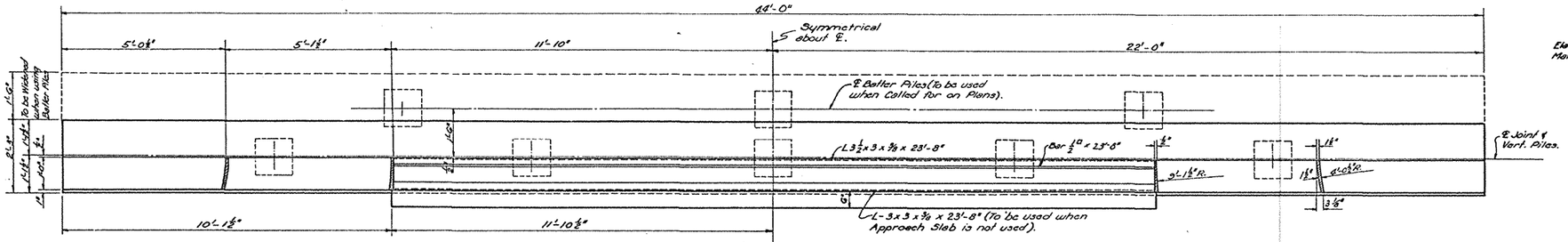
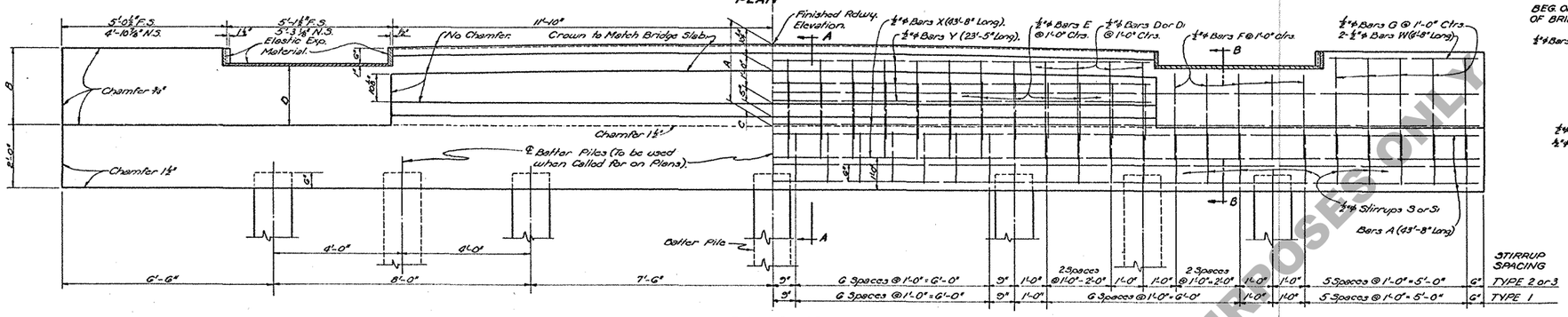
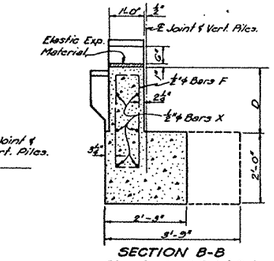
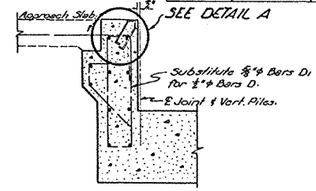
STATE PROJECT	PARISH	SHEET Nº



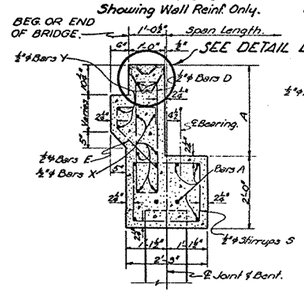




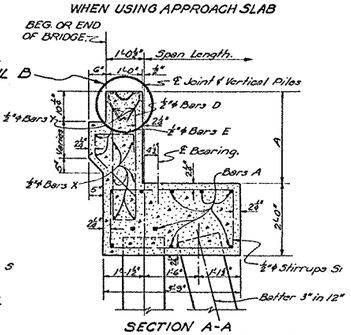
SECTION B-B
Showing Wall Reinf. Only.



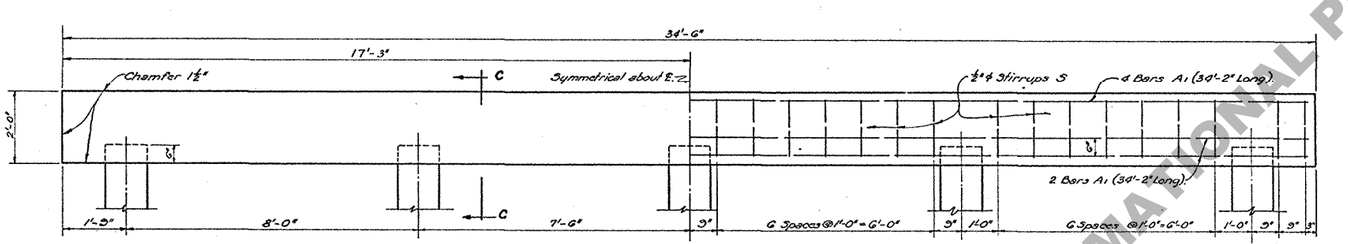
TYPICAL END BENT DETAIL
WHEN USING APPROACH SLAB



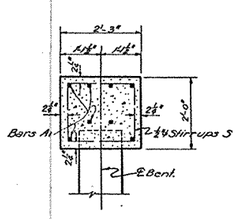
SECTION A-A
TYPE 1



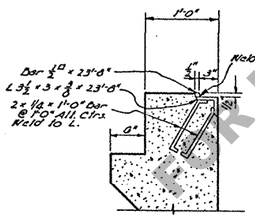
SECTION A-A
TYPE 2 - 2 BATTER PILES
TYPE 3 - 3 BATTER PILES



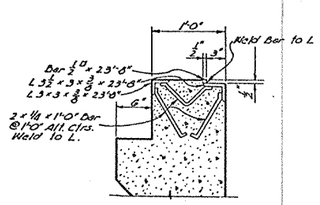
5 PILE INTERMEDIATE BENT



SECTION C-C



DETAIL A



DETAIL B

QUANTITIES — DIMENSIONS AND PILE LOAD #																	
	END BENT ®												INTERMEDIATE BENT				
SPAN	DIMENSIONS				TYPE								FIVE PILE				SPAN
	A	B	C	D	ONE		TWO		THREE		FAB. CARBON STEEL	AV. PILE LOAD	CLASS A CONC.	DEF. REINF. STEEL	AV. PILE LOAD	CLASS A CONC.	DEF. REINF. STEEL	AV. PILE LOAD	
					CLASS A CONC. CU. YDS.	DEF. REINF. STEEL LBS.	CLASS A CONC. CU. YDS.	DEF. REINF. STEEL LBS.	CLASS A CONC. CU. YDS.	DEF. REINF. STEEL LBS.	LBS.	TONS	CU. YDS.	LBS.	TONS	CU. YDS.	LBS.	TONS	
FT.	FT. IN.	FT. IN.	FT. IN.	FT. IN.														FT.
20																		20
25																		25
30	2-6 9/16	2-4 7/8	0-2 15/16	1-3 9/16	11.46	1947	16.50	2310	16.27	2310	4.15	25.0	5.62	1100	25.0			30

To Provide for Future Extension of Bridge the End Bents are Designed for Same Load as Intermediate Bents.

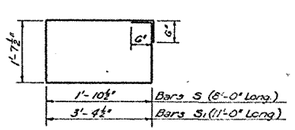
NOTE: Max. Pile Loads unless Otherwise Instructed By Bridge Design Section.
12" R.C. Piles = 24 Tons Per Pile.
14" R.C. Piles = 28 Tons Per Pile.
16" R.C. Piles = 32 Tons Per Pile.

Maximum Height Ground to Grade with 12" Piles Equals 15'-0"; with 14" Piles Equals 20'-0".

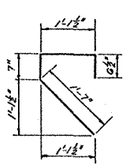
GENERAL NOTES:
Construction Specifications: Latest Approved La. Dept. of Highways Standard Specifications.
Design Specifications: A.A.S.H.O. 1949.
Live Load: H15-44.
Reinforcing Steel to be Intermediate Grade.
Dimensions to Reinforcing Steel are to Bar Centers.
Quantities Computed Assuming use of 14" Piling.
Cost of Expansion Material to be Included in Price Bid for Other Items.

SIZE OF BARS		
SPAN	A	A1
30'	1'-0	1'-0

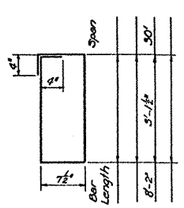
® WHEN USING APPROACH SLAB		
SPAN	REINF. FAB. CARBON STEEL LBS.	AND DEF. REINF. STEEL LBS.
30'	193	121



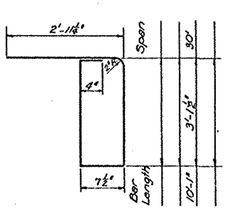
½"ϕ STIRRUPS S OR S1



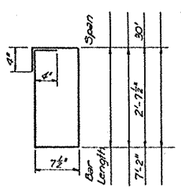
½"ϕ BARS E
(3'-10" LONG)



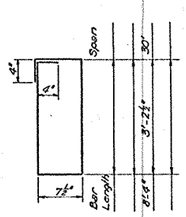
½"ϕ BARS D



⅝"ϕ BARS D1



½"ϕ BARS F



½"ϕ BARS G

TYPE OF END BENTS REQUIRED			
END BENT	GROUND TO GRADE FEET	SUBSOIL	BATTERED PILES NO.
TYPE 1	0-5	Poor	0
	0-8	Good	
TYPE 2	5-10	Poor	2
	8-16	Good	
TYPE 3	10+	Poor	3
	16+	Good	

NOTE:
For Details of Concrete Piles, See Std Plan C.S.149.

DATE	DESCRIPTION	BY
3/26/61	Added Cover E	Loup

REVISIONS

STANDARD PLAN
REINF. CONCRETE PILE BENTS
FOR I-BEAM SPANS - H15 LOADING
24'-0" ROADWAY 5'-0" SIDEWALKS
30'-0" SPAN
TO BE USED WITH STD. PLAN S.C. G3-15
DATED April 1950

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED	DETAILED	TRACED
CHECKED	CHECKED	CHECKED

BRIDGE DESIGN SECTION

C.S. 169-15

FOR INFORMATIONAL PURPOSES ONLY