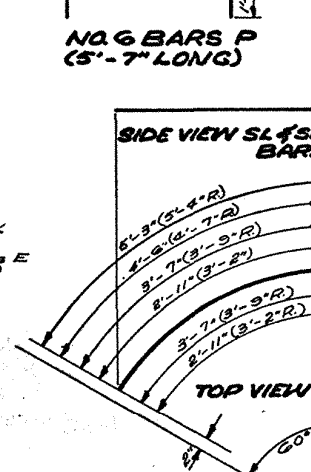
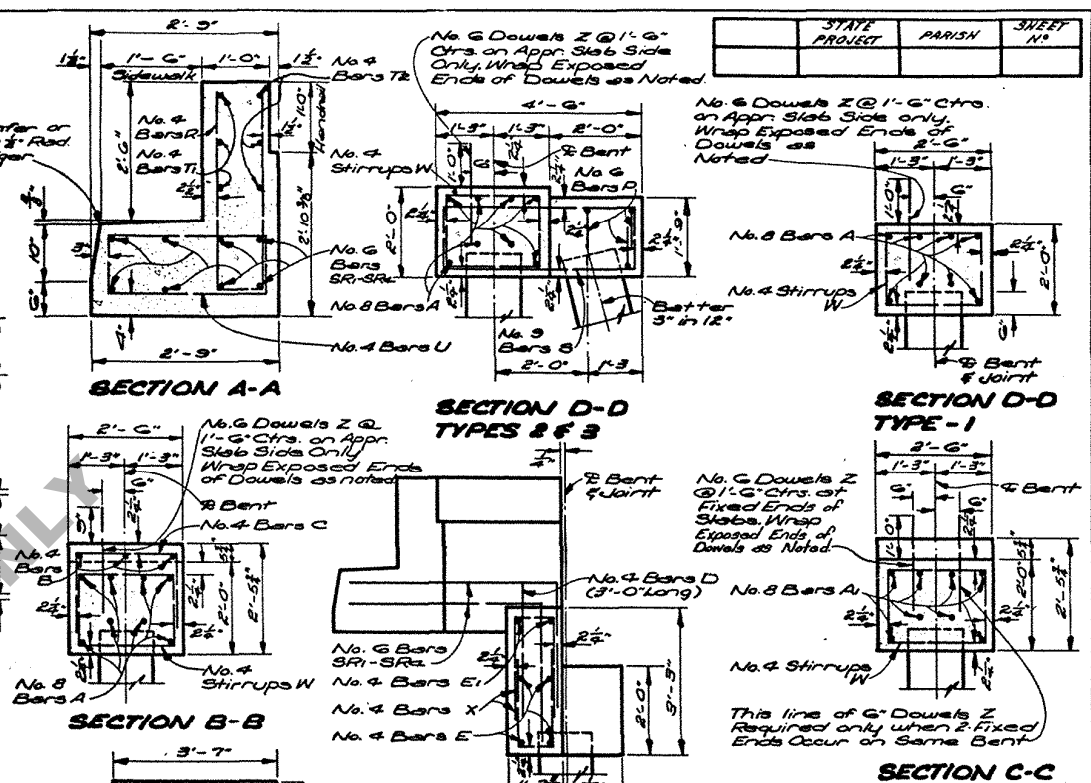
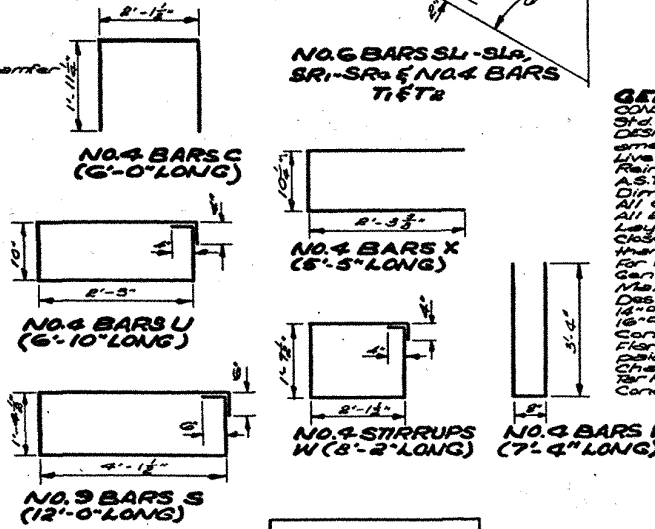




END IS SIMILARY				
QUANTITIES & PILE LOADS				
ITEM	CLASS 1A* CONCRETE CU. YDS.	DEF. REINF. STEEL (LBS.)	AVE. PILE LOAD (TONS)	
TYPE				
*4-PILE END BENT				
1	9.07	1343	29.0	
2	10.02	1725	29.0	
3	10.33	1813	29.0	
*5-PILE END BENT				
1	9.08	1343	23.2	
2	10.06	1720	23.2	
3	10.56	1908	23.2	
INTERMEDIATE BENT				
4-PILE	5.69	6979	29.0	
5-PILE	5.63	6918	23.2	
TYPE OF END BENT REQ'D				
END BENT		GROUND TO GRADE (FT.)	SUB-SOIL	BATTERED PILE
TYPE 1		0-3	POOR	0
		0-8	GOOD	
		6-10	POOR	
TYPE 2		8-16	GOOD	2
		10-12	POOR	
TYPE 3		10*	GOOD	3
		18*	GOOD	

*Quantities Computed assuming 14° R.C. A/As for 3-5-Pile Bent and 16° R.C. Piles for 3-4-Pile Bent.
To Provide for Future Extension of Bridge, End Bents are Designed for same load as Intermediate Bents.
Add 6% of Reinforcing Steel (20-# G Dowels Z) when two Fixed Ends occur on an Intermediate Bent.

GENERAL NOTES:
CONSTRUCTION SPECIFICATIONS: Latest Approved Ed. Dept. of Hwys.
Std. Specs.
DESIGN SPECS.: A.A.S.H.O. Std. Specs. for Hwys., Bridges 1953 as
amended to Dec. 31, 1955.
The Load: H-10 or S16-44.
Reinforcement Bars Shall be Intermediate or Hard Grade,
A.S.T.M. A15, or Rail Steel, A.S.T.M. A16 Conforming with A.S.T.M. A305.
Dimensions Relating to Reinforcing Steel are to Bar Centers.
Reinforcing Steel shall be Grade 41.
All Exposed Ends of No. 6 Dowels 2 to be Wrapped with 2-
Layers of 15# Tar Paper.
Close fitting tubes must be made of Compressible Material not less
than 1/8" thick and must be Substituted.
For Details of Concrete Piles see Std. Plan as shown on
General Plan.
Maximum Pile Load unless otherwise instructed by Bridge
Design Section:
16" R.C. Piles = 26 Tons Per Pile.
16" R.C. Piles = 32 Tons Per Pile.
Concrete and Steel in Bent Cap Curb, Flare and Handrail
shall be included in Bent Cap Quantities and are to be
paid for as part of the Bent.
Chamfer all exposed corners 2" unless otherwise noted.
Tie Rod Wrappings to be included in Price Bid for Class "A"
Concrete.



DESIGN TAKEN FROM
STD. PLAN CS.-71-20
DATED AUG. 1951

			STATE OF LOUISIANA		
			DEPARTMENT OF HIGHWAYS		
11-17-50	FLARE, QUANTITIES, PILE LOAD	PH. L. A.	DESIGNED	DETAILED C. Agne.	TRACED B. L. Strauss
DATE	DESCRIPTION	BY	CHECKED	CHECKED C. Agne.	CHECKED C. Agne.
REVISIONS			BRIDGE DESIGN SECTION		