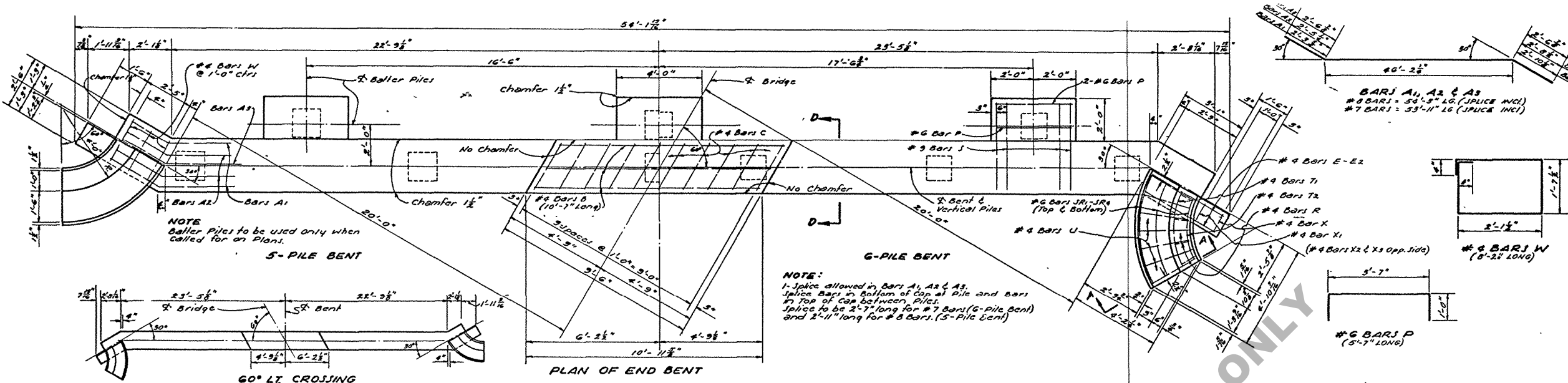
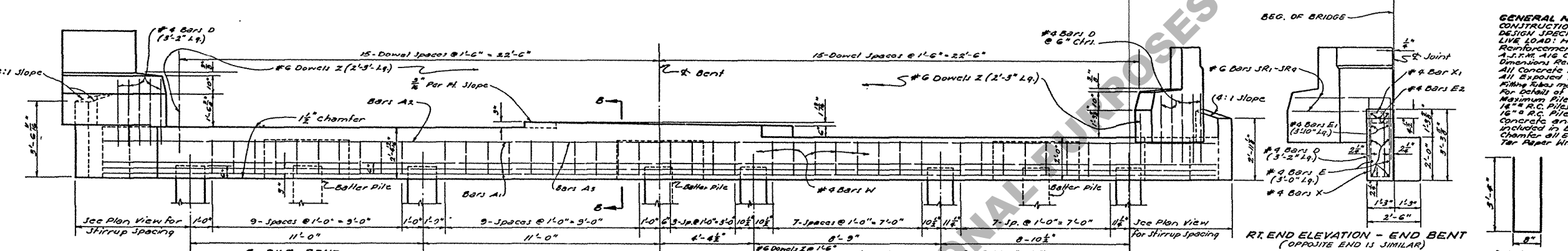




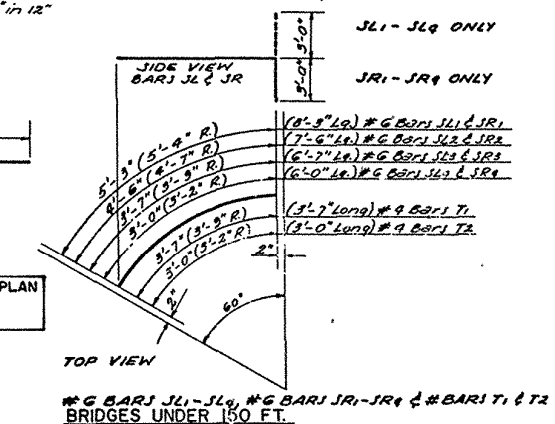
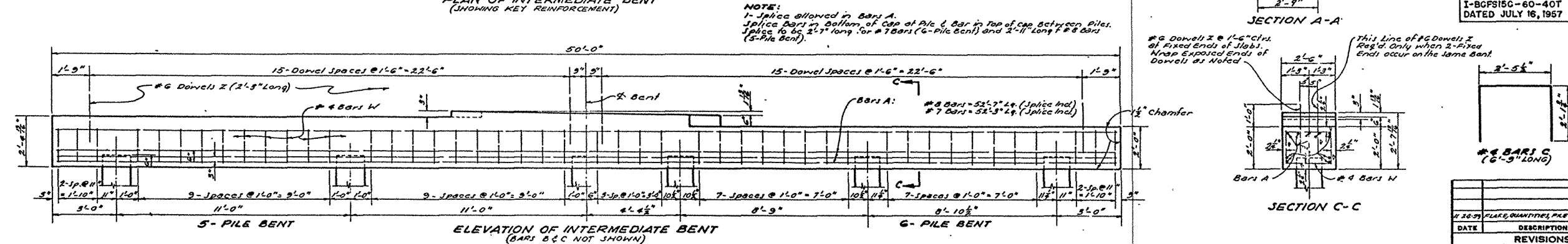
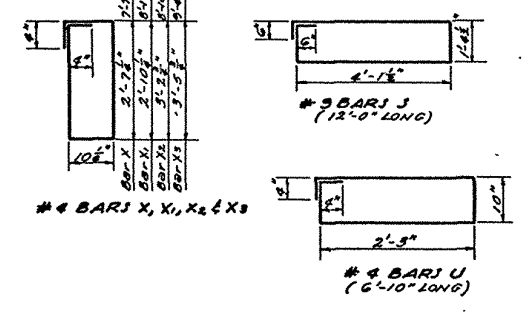
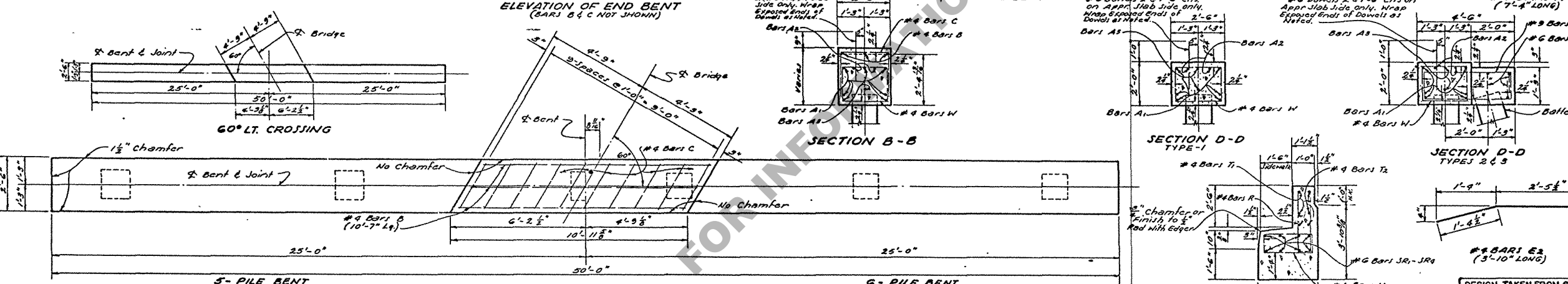
TYPE OF END BENT REQUIRED			
END BENT	GROUND TO GRADE (FT)	SUBSOIL	BATTERED PILES
TYPE 1	0-5	POOR	0
	0-8	GOOD	0
TYPE 2	5-10	POOR	2
	8-16	GOOD	2
TYPE 3	10+	POOR	3
	16+	GOOD	3

QUANTITIES & PILE LOADS				
ITEM	SIZE OF BARS	CLASS "A" CONCRETE (CU. YDS)	DEFORMED REINSTEEL PILE LOAD (LBS.)	AVERAGE PILE LOAD (TONS)
5-PILE END BENT				
TYPE 1	#8	14.02	2258	51.8
TYPE 2	#8	14.99	2635	51.8
TYPE 3	#8	15.47	2825	51.8
6-PILE END BENT				
TYPE 1	#7	14.03	1915	26.5
TYPE 2	#7	15.02	2292	26.5
TYPE 3	#7	15.51	2480	26.5
INTERMEDIATE BENTS				
5-PILE	#8	10.40	1829	31.8
6-PILE	#7	10.92	1933	26.5

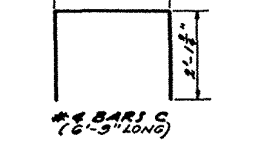
* Quantities computed assuming 14" R.C. Piles for a 6-Pile Bent & 16" R.C. Piles for a 5-Pile Bent.
 † To provide for future extension of bridge, end bents are designed for same load as intermediate bents.
 ‡ Add 100 lbs. Reinforcing Steel (12-#6 Dowels) when 2-Fixed Ends occur on an Intermediate Bent.



GENERAL NOTES:
 CONSTRUCTION SPECIFICATIONS: Latest Approved La. Dept. of Highways Std. Specs.
 DESIGN SPECIFICATIONS: A.A.H.O. 1953 as Amended to Dec. 31, 1955.
 LIVE LOAD: H20-S16-44 (Modified).
 Reinforcement Bars shall be Intermediate or Hard Grade, A.I.T.M. A15 or Rail Steel, A.I.T.M. A16 conforming with A.I.T.M. A305.
 Dimensions Relating to Reinforcing Steel are to Bar Centers.
 All Exposed Ends of #6 Dowels to be wrapped with 2 layers 15# Tar Paper, Close Wrapping made of Compatible Material not less than 1/8" thick may be substituted.
 For details of Concrete Piles see Standard Plan as shown on General Plan.
 Maximum Pile Loads unless otherwise instructed by Bridge Design Section.
 14" R.C. Piles = 28 Tons Per Pile.
 16" R.C. Piles = 32 Tons Per Pile.
 Concrete and Steel in SIDEWALK CURB FLARE and HANDRAIL FLARE are included in Bent Cap Quantities and are to be paid for as part of the Bent.
 Chamfer all Exposed Corners & Unlabeled otherwise noted.
 Tar Paper Wrapping to be included in Price Bid for Class "A" Concrete.



DESIGN TAKEN FROM STD. PLAN
 I-BCFS15C-60-40T
 DATED JULY 16, 1957



STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS		
DESIGNED	BY	TRACED
CHECKED	CHECKED	CHECKED
BRIDGE DESIGN SECTION		

I-BCFS15A-60-40T