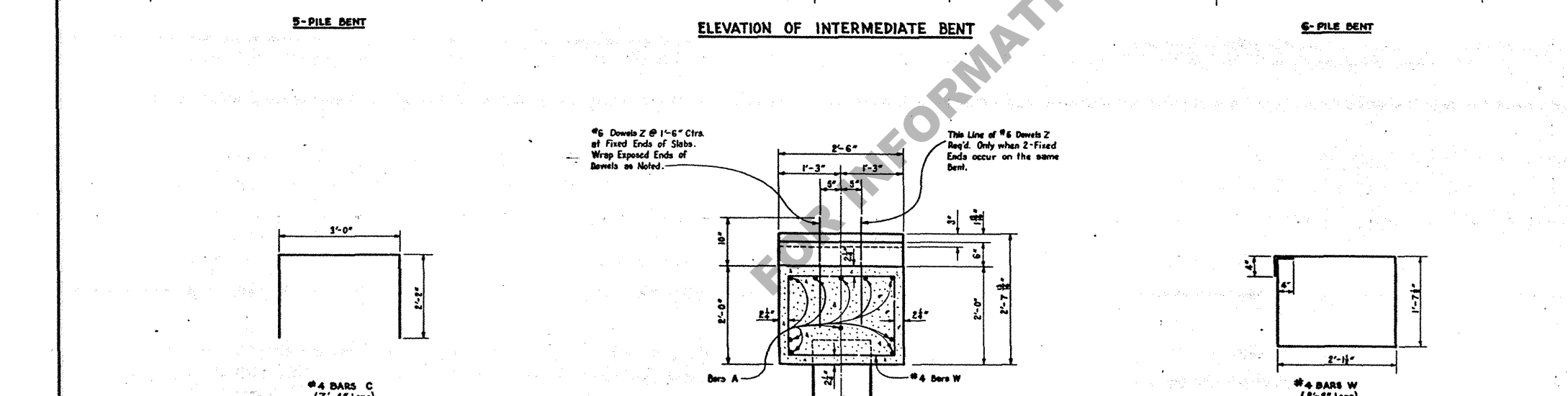
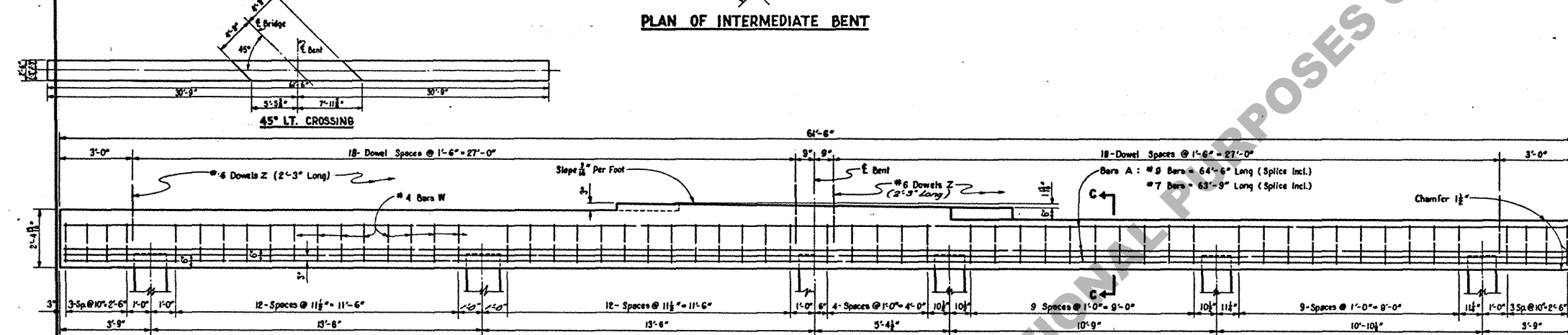
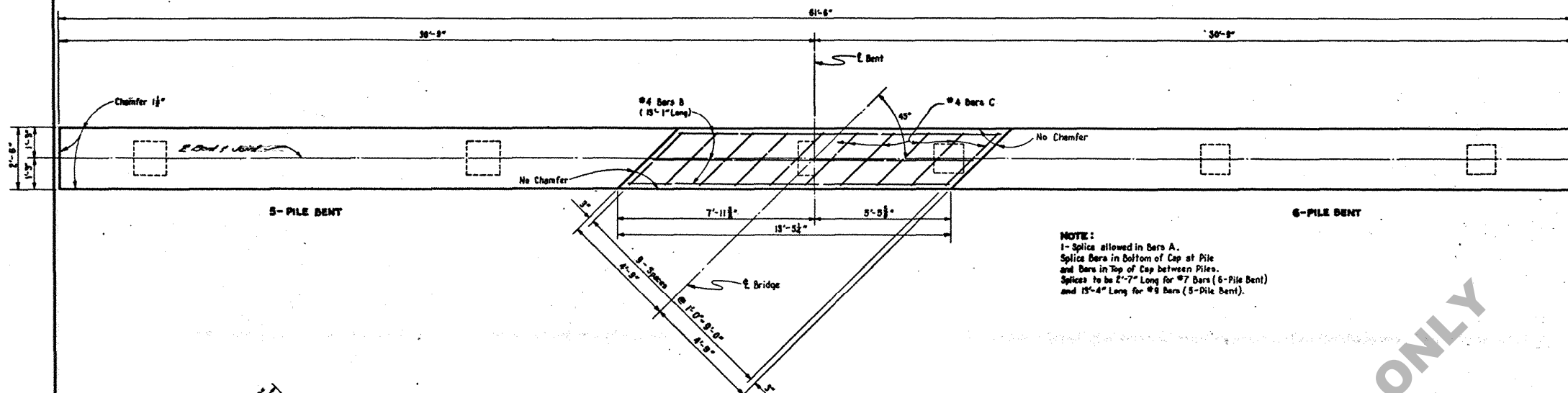




TYPE OF END BENT REQUIRED			
END BENT	GROUND TO GRADE (FEET)	SUBSOIL	BATTERED PILES
TYPE 1	0-5	POOR	0
	6-8	GOOD	
TYPE 2	9-10	POOR	2
	11-16	GOOD	
TYPE 3	17+	POOR	3
	18+	GOOD	

QUANTITIES AND PILE LOADS				
ITEM	SIZE OF BARS	CLASS "A" CONCRETE (CU. YDS.)	DEFORMED REINF. STEEL (LBS.)	AVERAGE PILE LOAD (TONS)
5-PILE END BENT*				
TYPE 1	#9	15.98	3099	30.1
TYPE 2	#9	16.95	3475	30.1
TYPE 3	#9	17.43	3664	30.1
6-PILE END BENT*				
TYPE 1	#7	15.99	2191	25.1
TYPE 2	#7	16.98	2567	25.1
TYPE 3	#7	17.47	2756	25.1
INTERMEDIATE BENTS				
5-PILE	#9	12.83	2724	30.1
6-PILE	#7	12.85	1823	25.1

* Quantities Computed assuming 14" R.C. Piles for a 6-Pile Bent and 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 128 Lbs. Reinforcing Steel (30-#6 Dowels Z) when 2-Fixed Ends occur on an Intermediate Bent.

GENERAL NOTES:
 Construction Specifications: Latest Approved La. Dept. of Highways Standard Specifications.
 Design Specifications: A.A.S.H.O. 1953 as amended to Dec. 31, 1955.
 Live Load: H20-S16-44.
 Reinforcement Bars shall be Intermediate or Hard Grade, A.S.T.M. A15 or Rail Steel, A.S.T.M. A16 conforming to A.S.T.M. A 305.
 Dimensions Relating to Reinforcing Steel are to Bar Centers.
 All Exposed Ends of #6 Dowels Z to be Wrapped with 2-Layers 15# Tar Paper. Close Fitting Tubes made of Compressible Material not less than 1/8" thick may be Substituted.
 For Details of Concrete Piles see Standard Plan or 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 corners 3" unless otherwise noted.
 Tar Paper wrappings to be included in Price Bid for Class "A" Concrete.

STANDARD PLAN PRECAST CONCRETE PILE BENTS FOR 20'-0" CONCRETE SLAB SPANS LIVE LOAD H20-S16-44 40'-0" ROADWAY 1'-6" SIDEWALKS DATED Feb. 3, 1959			
STATE OF LOUISIANA			
DEPARTMENT OF HIGHWAYS			
DESIGNED M. B. B.	DETAILED P. B. B.	TRACED L. R. Longhart	
CHECKED M. B. B.	CHECKED M. B. B.	CHECKED H. B. B.	
BRIDGE DESIGN SECTION			

DATE	DESCRIPTION	BY
	REVISIONS	