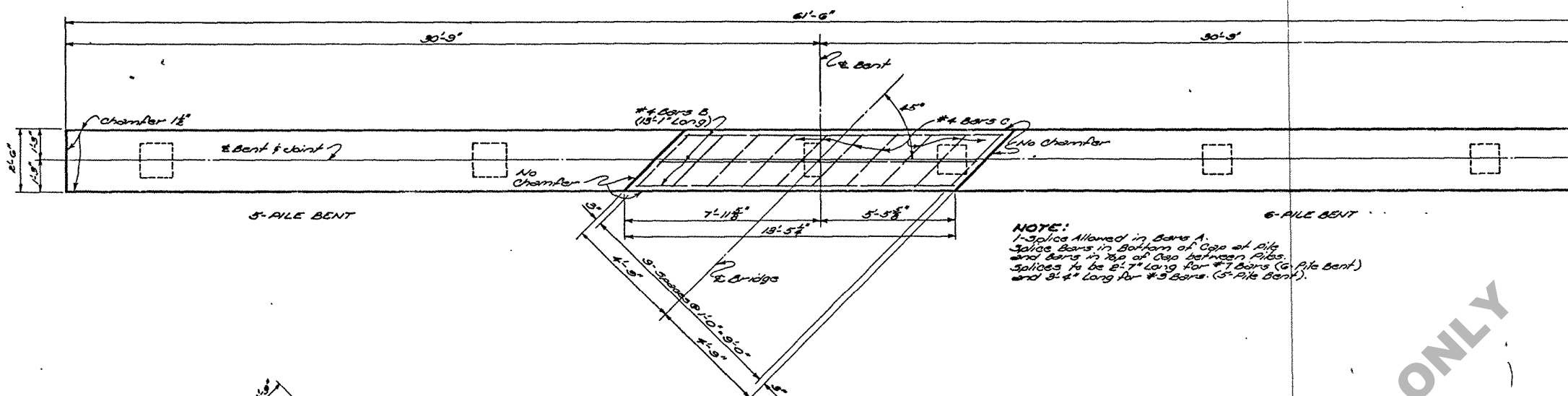
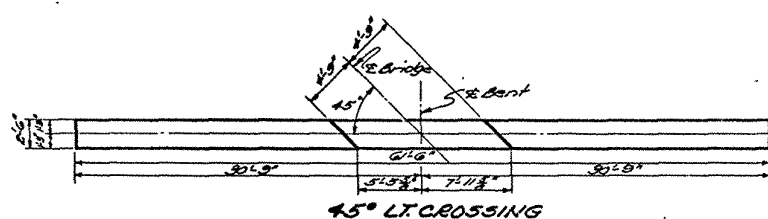
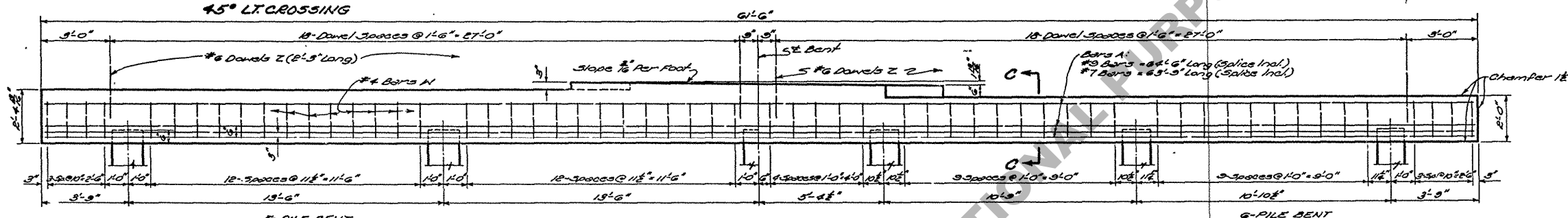




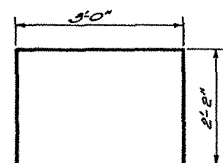
PLAN OF INTERMEDIATE BENT



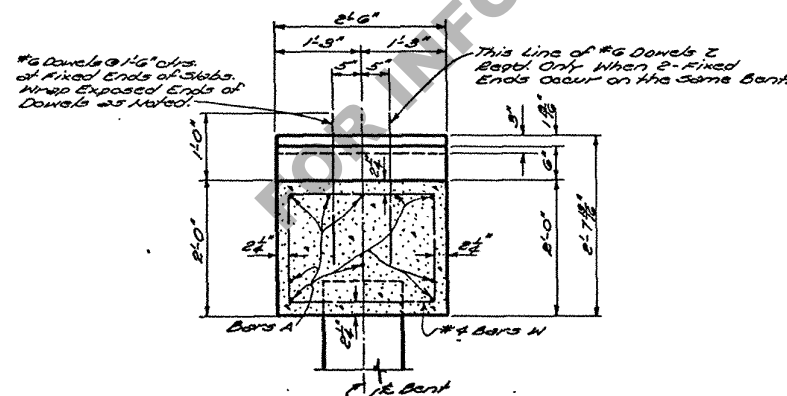
45° LT CROSSING



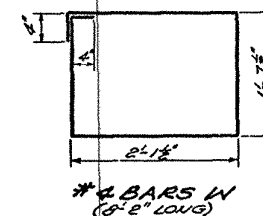
ELEVATION OF INTERMEDIATE BENT



#4 BARS C (7'-4" LONG)



SECTION C-C



#4 BARS W (5'-2" LONG)

GENERAL NOTES:
 Construction Specifications: Latest Approved to Dept. of Highways Standard Specifications.
 Design Specifications: A.A.S.H.O. 1955 as Amended to Dec. 31, 1955.
 Live Load: H20-S16-44 (Modified).
 Reinforcement Bars shall be Intermediate or Hard Grade, A.S.T.M. A15 or A15-1 Steel, A.S.T.M. A15 Conforming to A.S.T.M. A305.
 Dimensions Relating to Reinforcing Steel are to Bar Centers.
 All Concrete to be Class "A".
 All Exposed Ends of #6 Dangle Z to be Wrapped with 2-Layers 15" Tar Paper.
 Class Ripping Tubes made of Compressible Material not less than 1/2" Thick may be substituted.
 For Details of Concrete Piles see Standard Plans shown on General Plan.
 Maximum Pile Loads unless otherwise instructed by Bridge Design Section: 14" D.C. Piles = 28 Tons Per Pile.
 16" D.C. Piles = 32 Tons Per Pile.
 Concrete and Steel in SIDEWALK CURB, FLARE and HUNDRED FLARE are included in Bent Cap Quantities and are to be paid for as part of the Bent.
 Chamfer All Exposed Corners Unless Otherwise Noted.
 Tar Paper Wrappings to be included in Price Bid for Class "A" Concrete.

TYPE OF END BENT REQUIRED			
END BENT GROUND TO GRADE (FEET)	SUBSOIL	BATTERED PILES	
Type 1	0-5	Good	0
	0-8	Good	
Type 2	5-10	Good	2
	8-16	Good	
Type 3	10+	Good	3
	16+	Good	

QUANTITIES AND PILE LOADS				
ITEM	SIZE OF BARS	CLASS "A" CONCRETE (CU YDS)	DEFORMED REINFT STEEL PILE LOAD (LBS)	AVERAGE PILE LOAD (TONS)
5-PILE END BENT *				
Type 1	#9	16.17	3117	31.4
Type 2	#9	17.12	3474	31.4
Type 3	#9	17.62	3682	31.4
6-PILE END BENT *				
Type 1	#7	16.18	2225	26.1
Type 2	#7	17.17	2602	26.1
Type 3	#7	17.66	2770	26.1
INTERMEDIATE BENTS				
5-Pile	#9	12.83	2724	31.4
6-Pile	#7	12.85	1829	26.1

* Quantities computed assuming 14" D.C. Piles for 5-Pile Bent and 16" D.C. Piles for 6-Pile Bent.
 * To provide for future extension of bridge, end bents are designed for same loads as intermediate bents.
 * Note: 128 lbs. per sq. ft. of steel (50# #6 Dangle Z) when 2-Fixed Ends occur on an intermediate bent.

DESIGN TAKEN FROM STD. PLAN
 I-BCFS15C-45-40T
 DATED JULY 16, 1957

BRIDGES UNDER 150 FT.

STANDARD PLAN
 PRECAST CONCRETE PILE BENTS
 FOR 20' CONCRETE SLAB SPANS
 LIVE LOAD H20-S16-44 MODIFIED
 40'-0" ROADWAY 1'-6" SIDEWALKS
 DATED Aug. 16, 1957 2-LANE RDWY.

STATE OF LOUISIANA
 DEPARTMENT OF HIGHWAYS

DESIGNED	BY	DETAILED	BY	TRACED	BY
CHECKED	BY	CHECKED	BY	CHECKED	BY
REVISIONS					

BRIDGE DESIGN SECTION