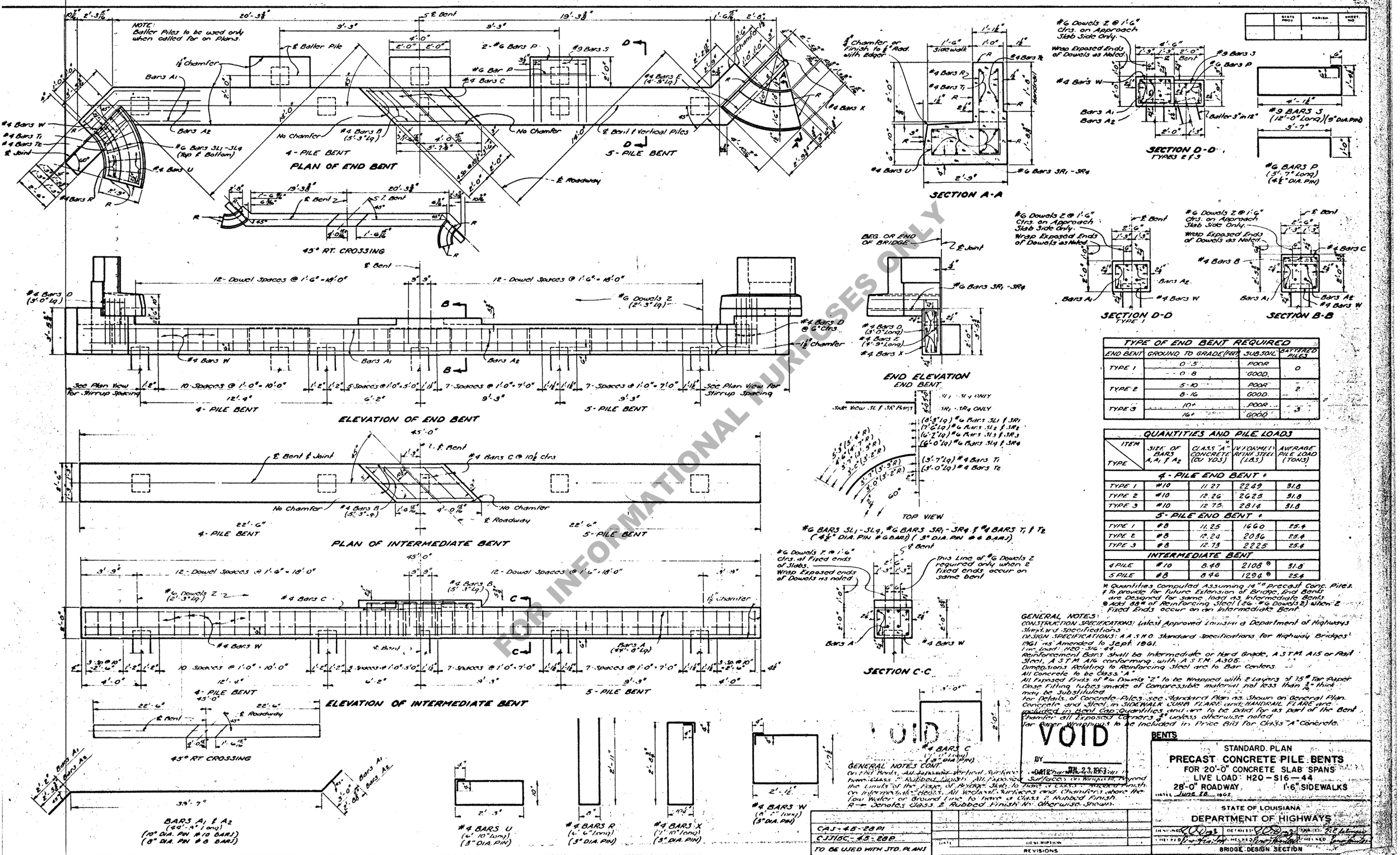

TYPE OF END BENT REQUIRED			
END BENT	GROUND TO GRADE (FEET)	SUBSOIL	BATTERED PILES
TYPE 1	0-5	POOR	0
	0-8	GOOD	
TYPE 2	5-10	POOR	2
	8-16	GOOD	
TYPE 3	10+	POOR	3
	16+	GOOD	

QUANTITIES AND PILE LOADS				
ITEM / TYPE	SIZE OF BARS A1, A1 & A2	CLASS "A"* CONCRETE (CU YDS)	DEFORMED REINF. STEEL (LBS)	AVERAGE PILE LOAD (TONS)
4-PILE END BENT ‡				
TYPE 1	#10	11.27	2249	31.8
TYPE 2	#10	12.26	2625	31.8
TYPE 3	#10	12.75	2814	31.8
5-PILE END BENT ‡				
TYPE 1	#8	11.25	1660	25.4
TYPE 2	#8	12.24	2036	25.4
TYPE 3	#8	12.73	2225	25.4
INTERMEDIATE BENT				
4 PILE	#10	8.48	2108 ⊛	31.8
5 PILE	#8	8.46	1294 ⊛	25.4

* Quantities Computed Assuming 14" ⌀ Precast Conc. Piles.
‡ To provide for Future Extension of Bridge, End Bents are Designed for same load as Intermediate Bents.
⊛ Add 88# of Reinforcing Steel (26 - #6 Dowels Z) when 2 Fixed Ends occur on an Intermediate Bent.

GENERAL NOTES:
CONSTRUCTION SPECIFICATIONS: Latest Approved Louisiana Department of Highways Standard Specifications.
DESIGN SPECIFICATIONS: A.A.S.H.O. Standard Specifications for Highway Bridges 1961 as Amended to Sept. 1961.
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 with 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 Dowels "Z" to be Wrapped with 2 Layers of 75# Tar Paper. Close Fitting tubes made of Compressible material not less than 3/16" thick may be Substituted.
For Details of Concrete Piles see Standard Plan as Shown on General Plan.
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 3/4" unless otherwise noted.
Tar Paper Wrappings to be Included in Price Bid for Class "A" Concrete.

GENERAL NOTES CONT.
On End Bents, All Exposed Vertical Surfaces and Chamfers Shall Have Class 2 Rubbed Finish. All Exposed Surfaces on Wingwall Beyond the Limits of the Face of Bridge Slab to have a Class 2 Rubbed Finish. On Intermediate Bents, All Vertical Surfaces and Chamfers above the Low Water or Ground Line to have a Class 2 Rubbed Finish.
R → Denotes Class 2 Rubbed Finish No Otherwise Shown.

VOID
BY _____
DATE JUL 23 1963

BENTS

STANDARD PLAN
PRECAST CONCRETE PILE BENTS
FOR 20'-0" CONCRETE SLAB SPANS
LIVE LOAD: H20-S16-44
28'-0" ROADWAY 1'-6" SIDEWALKS
DATE June 28 1962

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS
DESIGNED [signature] DETAILED [signature] TRACED [signature]
CHECKED [signature] CHECKED [signature] CHECKED [signature]
BRIDGE DESIGN SECTION

CAS-45-28P1
CSS15C-45-28P
TO BE USED WITH STD. PLANS

DATE | DESCRIPTION | REVISIONS

BCSS15C-45

FOR INFORMATIONAL PURPOSES ONLY