

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

QUANTITIES AND PILE LOAD				
ITEM	SIZE OF BARS	CLASS "A" CONCRETE (CU. YDS.)	DEF. REINF. STEEL (LBS.)	AVE. PILE LOADS (TONS)
TYPE				
4-PILE END BENT #				
Type 1	#10	8.97	1733	35.8
Type 2	#10	9.93	2170	35.8
Type 3	#10	10.40	2358	35.8
5-PILE END BENT #				
Type 1	#8	8.97	1332	26.8
Type 2	#8	9.94	1709	26.8
Type 3	#8	10.43	1897	26.8
6-PILE END BENT #				
Type 1	#8	8.99	1326	24.0
Type 2	#8	9.97	1703	24.0
Type 3	#8	10.47	1891	24.0
INTERMEDIATE BENT				
4-Pile	#10	5.65	1303	35.8
5-Pile	#8	5.65	882	26.8
6-Pile	#8	5.67	877	24.0

Quantities Computed Assuming 14" RC Piles for 4-Pile Bent, 16" RC Piles for 5-Pile Bent and 18" RC Piles for 6-Pile Bent. For future extension of bridge, end bents are designed for some load on intermediate bents.

Add 60% of Rein. Steel (20" 6 Dowels Z) when 2-Fixed Ends occur on an intermediate bent.

GENERAL NOTES:

Construction Specifications: Latest Approved L. Dept. of Highways Std. Spec. Design Specifications AASHTO Std. Spec. for Highway Bridges 1949 as amended to Dec. 1950.

Line Load: H20-S16-S44.

Reinforcement Bars shall be Intermediate or Hard Grade, ASTM A15 or Rail Steel, ASTM A16, Conforming with ASTM 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 15" Tar Paper, Chase fitting tubes made of compressible material not less than 1/4" may be substituted.

No. 6 Dowels Z @ 1'-6" Ctr. on Appr. Slab Side Only. When Exposed Ends of Dowels are Noted.

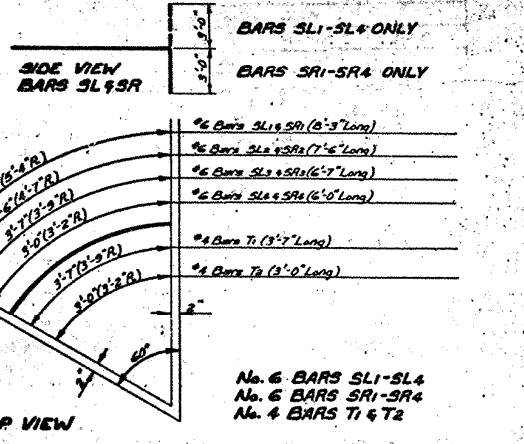
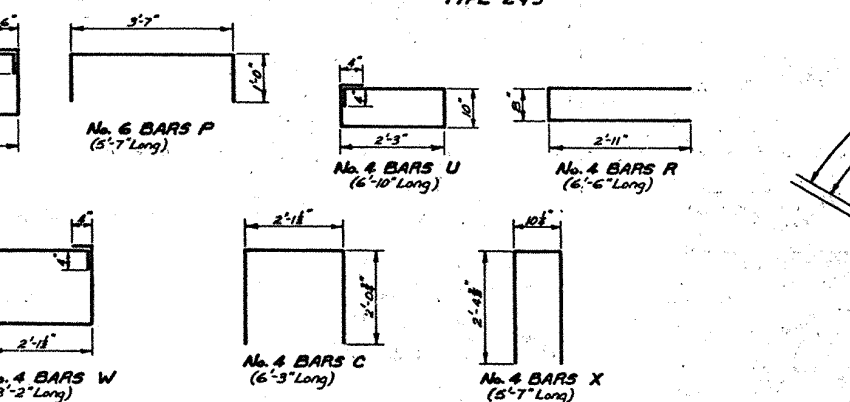
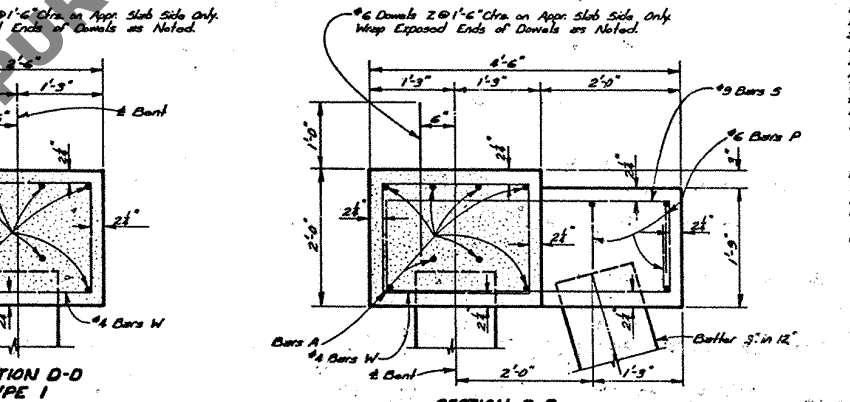
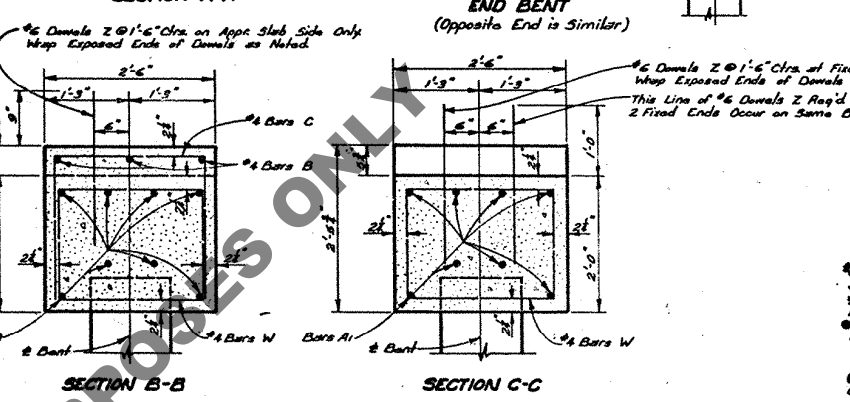
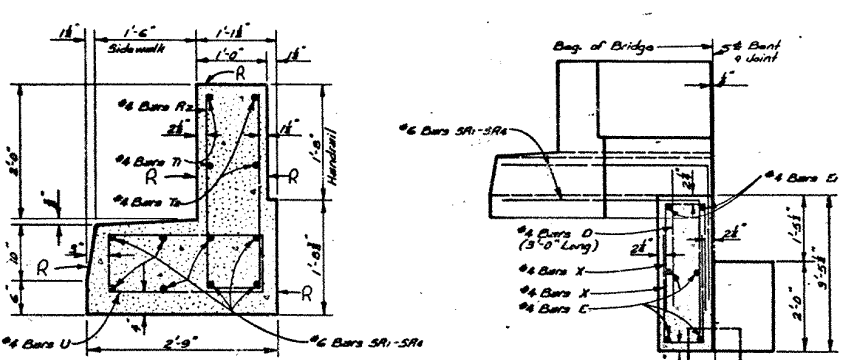
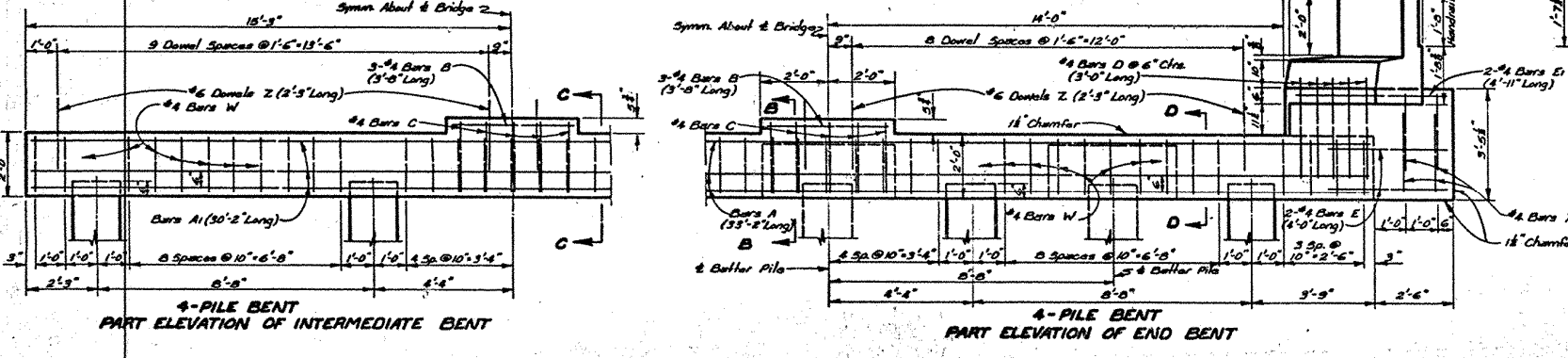
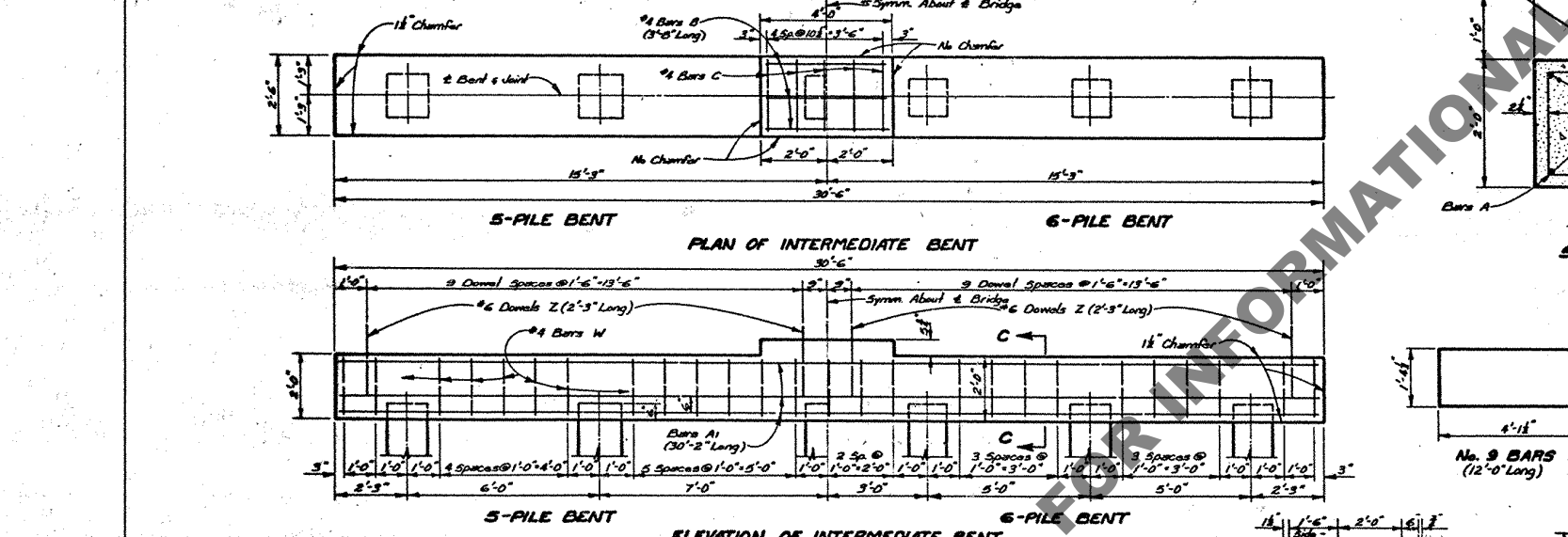
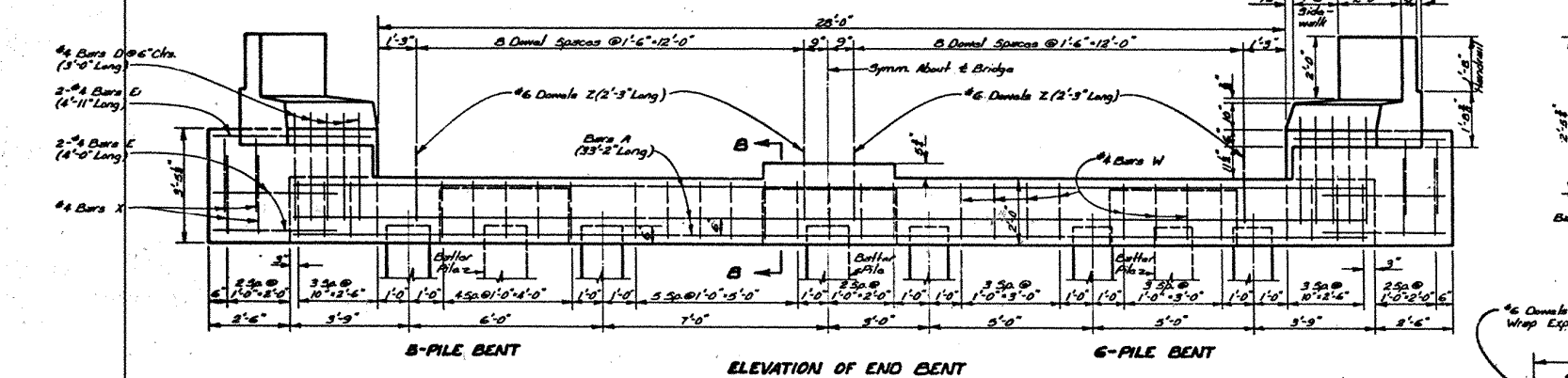
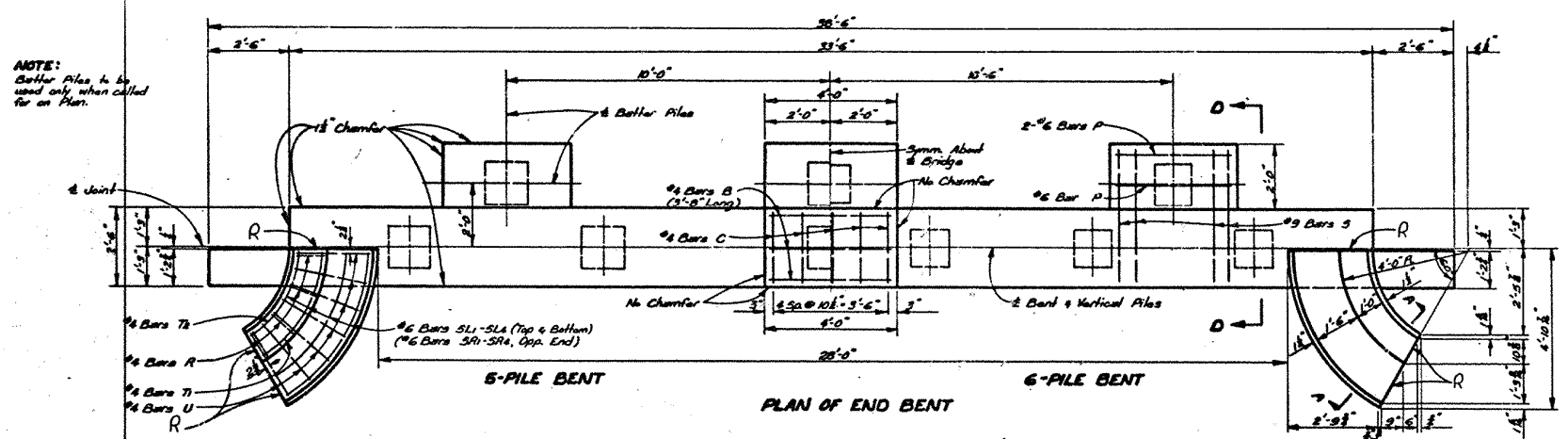
Plan: Pile Loads unless otherwise indicated by Bridge Design Section: 14" RC Piles - 30 Tons Per Pile; 16" RC Piles - 36 Tons Per Pile; 18" RC Piles - 48 Tons Per Pile.

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 1/4" unless otherwise noted.

Tar Paper wrappings to be included in price bid for Class "A" Concrete.

NOTE: Battered Piles to be used only when called for on Plan.



GENERAL NOTES CONT.:

On End Bents, All Exposed Vertical Surfaces and Chamfers on Cap to have Class 2 Rubbed Finish. All Exposed Surfaces on Wingwall Beyond the Limits of the Edge 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 Not Otherwise Shown.

DESIGN TAKEN FROM
STD. PLAN CS-72-20
DATED: OCT. 23, 1951

STANDARD PLAN PRECAST CONCRETE PILE BENTS FOR 25'-0" CONCRETE SLAB SPANS LIVE LOAD H20-S16-44 28'-0" ROADWAY 1'-6" SIDEWALKS			
DESIGNED: [Signature] CHECKED: [Signature] DATE: [Date]			
STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS BRIDGE DESIGN SECTION			