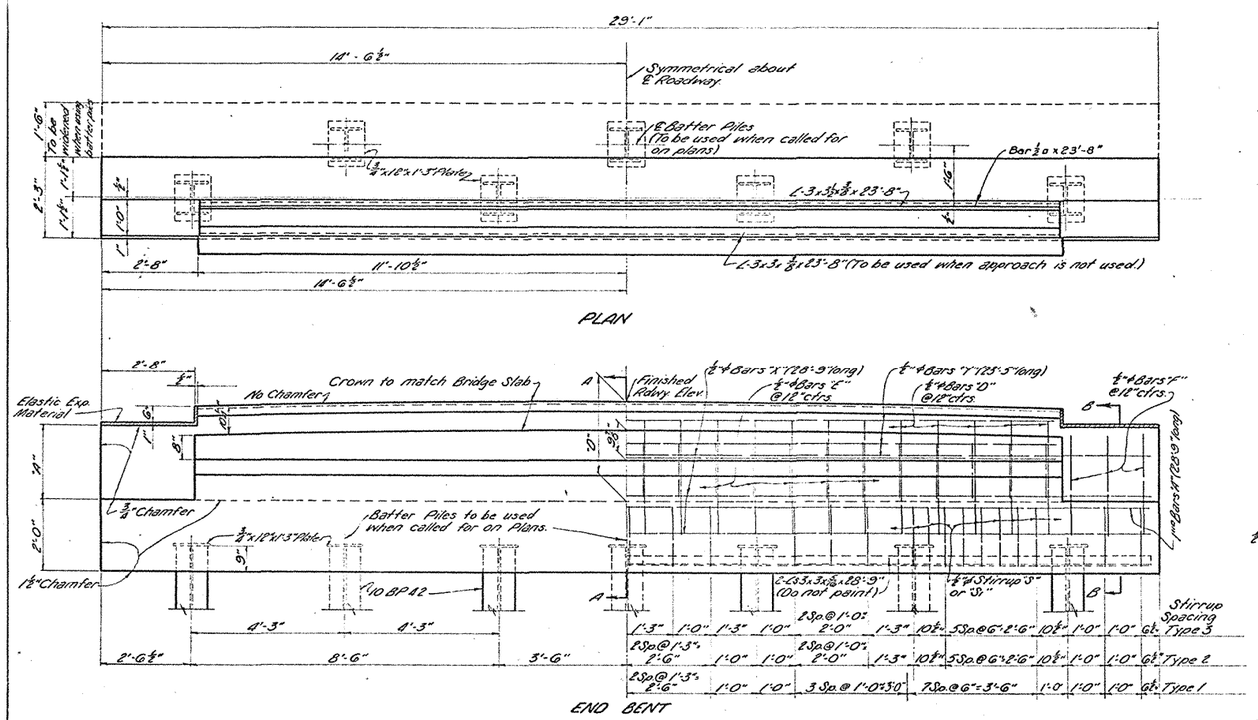
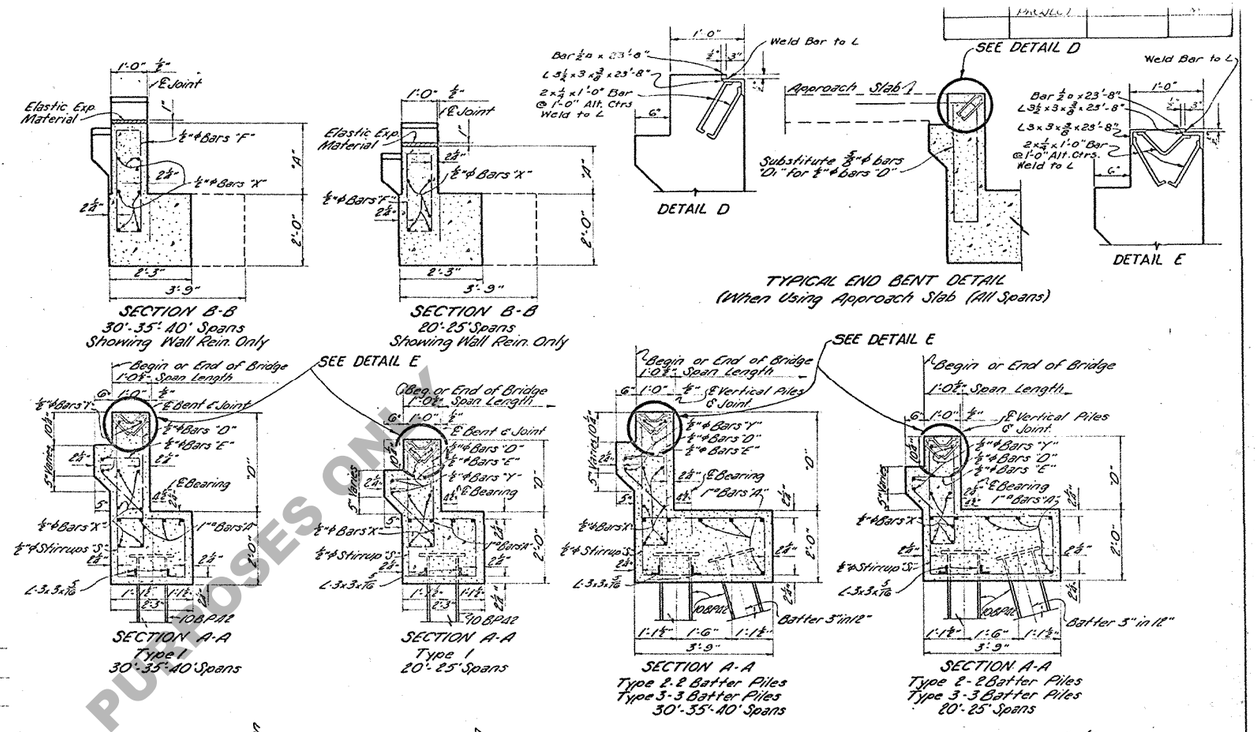
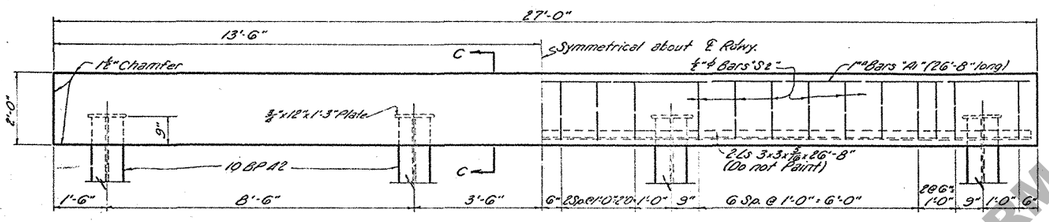
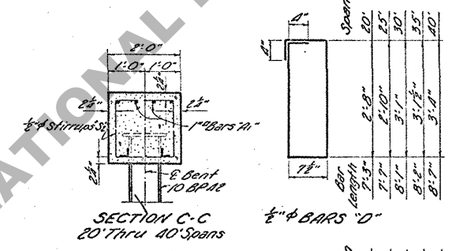
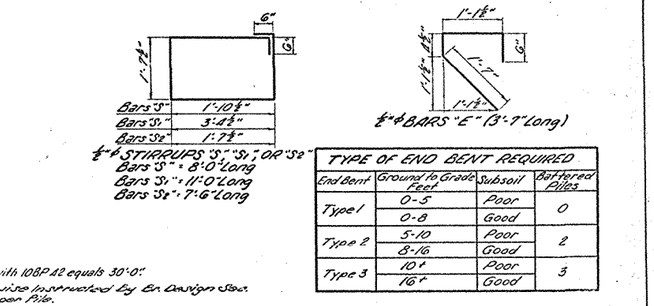




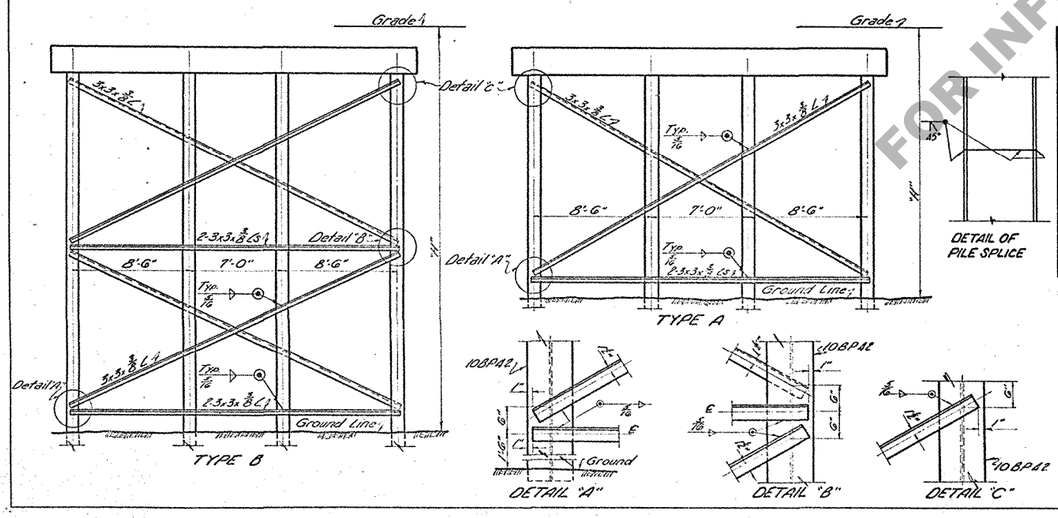




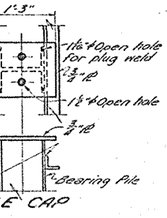


TYPE OF END BENT REQUIRED			
End Bent	Ground to Grade Feet	Subsoil	Battered Piles
Type 1	0-5	Poor	0
	0-8	Good	
Type 2	5-10	Poor	2
	8-16	Good	
Type 3	10+	Poor	3
	16+	Good	

Note:
Maximum Height Ground to Grade with 10 BP 42 equals 30'-0".
Max. Pile Loads Unless Otherwise Instructed by En. Design Sec.
10 BP 42 = 32 Tons per Pile.



BRACING TYPE AND QUANTITIES			
Ground To Grade "H"		Type	Fab. Carbon Steel Lbs.
Feet			
0 Thru 12		None	
13	13	A	735
Thru	15		743
19	19		764
20	20	B	1458
Thru	25		1480
30	30		1508



GENERAL NOTES:
Construction Specifications: Latest approved La Dept. of Highways Std Specs. Design Specs: A.A.S.H.O. 1944 as amended Dec. 18, 1944. Live Load HS-15.
Reinforcing Steel shall be intermediate grade.
All dimensions to reinforcing steel are to bar centers.
Welding shall conform to the current Specifications for Welded Highway and Railroad Bridges, Design, Construction, and Repair of the American Welding Society.
Volume of "Fabricated Carbon Steel" and Steel Bearing Piles" in concrete deducted in computing quantities.
Structural Steel Sections used as reinforcing in cap classified as "Fabricated Carbon Steel."
"Fabricated Carbon Steel," unless noted and "Steel Bearing Piles" shall receive one shop coat of paint. Surface of Piles which will be in water and ground shall receive the first field coat of paint.
Exposed steel surfaces shall receive the first, second and third field coat of paint. Steel shall be spot painted after welding before applying first field coat.

QUANTITIES & DIMENSIONS AND PILE LOADS #

Span	END BENT * Dimensions "A"	"D"	One Class "A" Conc. Cu. Yds.	Def. Reinf. Steel Lbs.	Fab. Carbon Steel Lbs.	Two Class "A" Concrete Cu. Yds.	Def. Reinf. Steel Lbs.	Fab. Carbon Steel Lbs.	Three Class "A" Conc. Cu. Yds.	Def. Reinf. Steel Lbs.	Fab. Carbon Steel Lbs.	Av. Pile Load Tons	INTERMEDIATE BENT Class "A" Concrete Cu. Yds.	Def. Reinf. Steel Lbs.	Fab. Carbon Steel Lbs.	Av. Pile Load Tons	Span
Feet	Ft. In.	Ft. In.															Feet
20	1'-4 5/16"	2'-1 7/16"	7.31	914	950	10.53	1139	1027	10.55	1132	1066	17.6	3.95	493	483	17.6	20
25	1'-6 3/16"	2'-3 3/16"	7.50	920	950	10.72	1148	1027	10.72	1141	1066	20.1	3.95	493	483	20.1	25
30	1'-9 3/16"	2'-6 3/16"	7.79	950	950	11.00	1178	1027	11.01	1171	1066	22.8	3.95	493	483	22.8	30
35	1'-9 3/16"	2'-6 3/16"	7.81	952	950	11.03	1180	1027	11.03	1173	1066	25.5	3.95	493	483	25.5	35
40	2'-0 3/16"	2'-9 3/16"	8.06	960	950	11.27	1188	1027	11.27	1181	1066	28.2	3.95	493	483	28.2	40

To provide for future extension of Bridge the End Bents are designed for same load as the Intermediate Bents.

*WHEN USING APPROACH SLAB

Span Feet	Deduct Fab. Carbon Steel Lbs.	Add Def. Reinf. Steel Lbs.
20	193	122
25	193	125
30	193	129
35	193	130
40	193	134

DATE	DESCRIPTION	BY
12-17-51	Added Cover R.B.	Level
1-10-50	Field Point Note	L.D.
2-6-40	Max. Pile Loading	
10-2-47	Detail of Pile Splice	J.T.H.

REVISIONS

STANDARD PLAN
STEEL BEARING PILE BENTS
FOR T-BEAM SPANS HIS LOADINGS
24'-0" CLEAR ROADWAY 1'-6" SIDEWALKS
20' THRU 40' SPANS
TO BE USED WITH STD. PLAN S-C 59-15 REV.
DATED MAY 1947

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS
DESIGNED Hutchinson | DETAILED Hutchinson | TRACED J. Hunt
CHECKED | CHECKED | CHECKED
BRIDGE DESIGN SECTION

C-S-195-15

FOR INFORMATIONAL PURPOSES ONLY