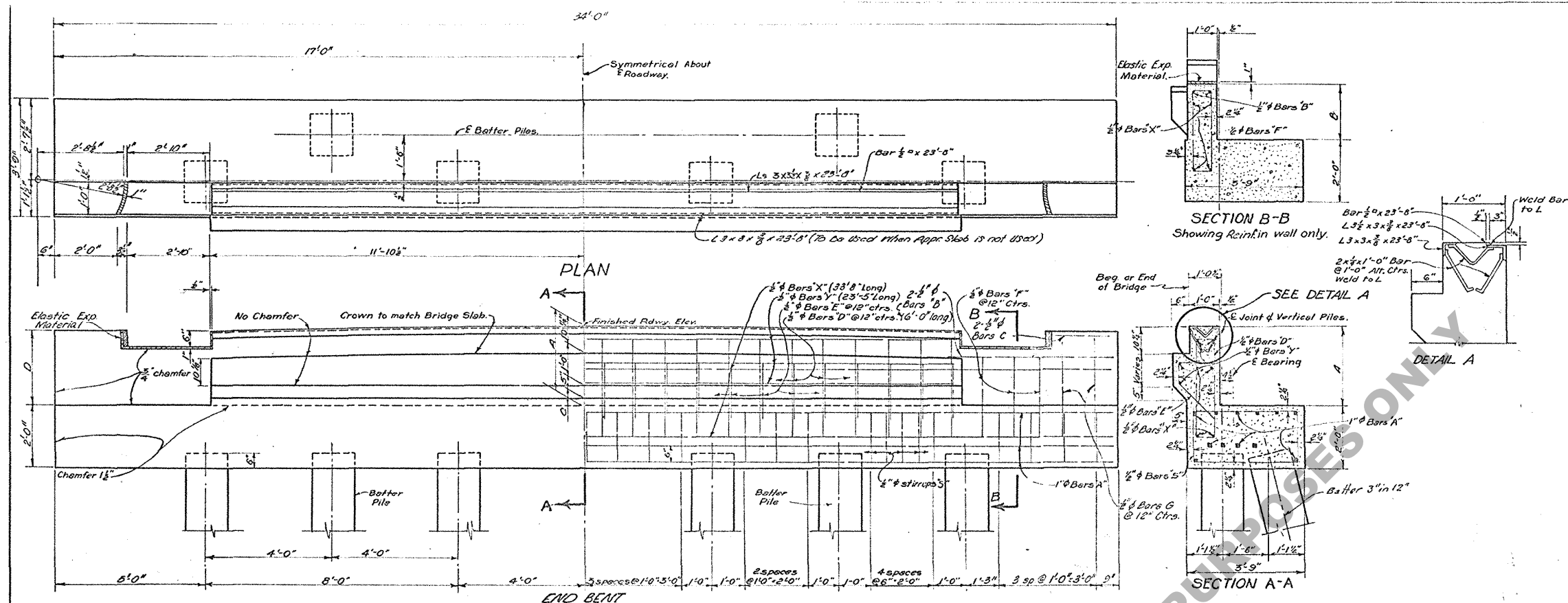
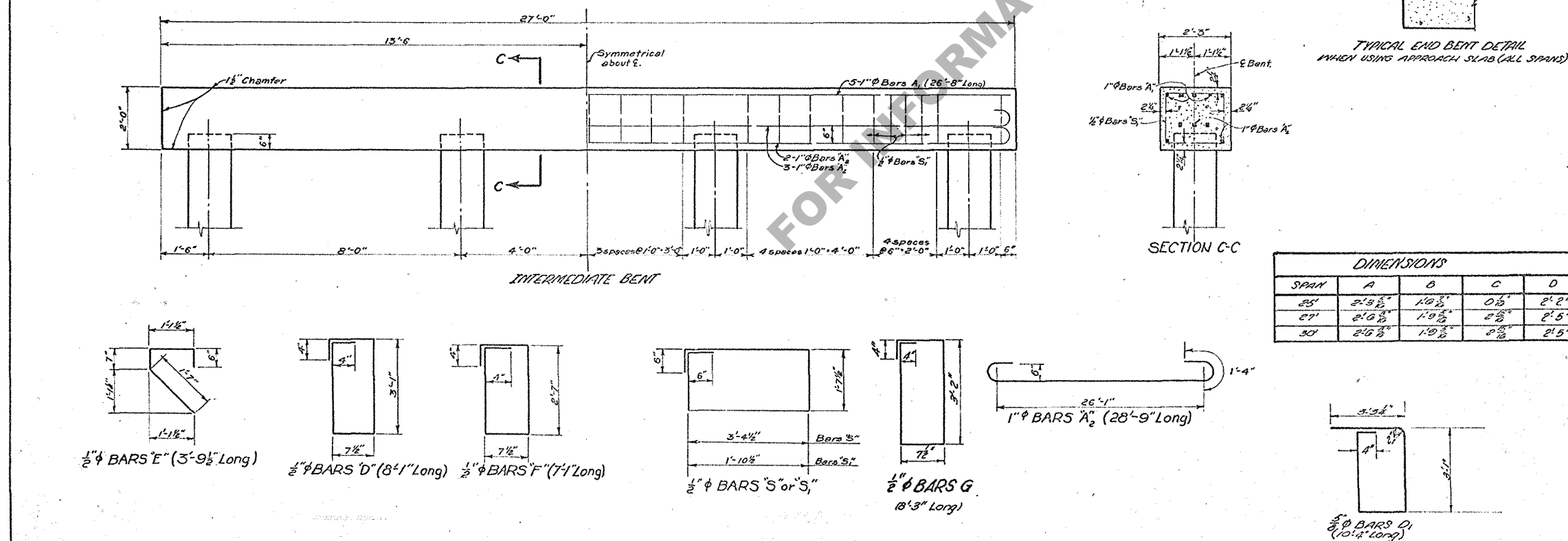




QUANTITIES					
** END BENT (ONE BENT)					
BAR	SIZE	Nº	LENGTH	TOTAL LENGTH	LOCATION
A	1"φ	12	33'-8"	404'-0"	Longit. in cap
Total 1" Bars = 404'-0"				1079 Lbs.	
B	1/2"φ	4	6'-0"	24'-0"	Longit. in wings
D	✓	24	8'-1"	194'-0"	Bent in wings
E	✓	24	3'-9 1/2"	91'-0"	Wing & Haunch
F	✓	6	7'-1"	42'-6"	wings
S	✓	31	11'-0"	341'-0"	cap
X	✓	4	33'-8"	134'-8"	Longit. in wing
Y	✓	4	23'-5"	93'-8"	In wing & haunch
Z	✓	4	7'-8"	28'-8"	Longit. in Wing
Total 1/2" Bars = 360'-0"				642 Lbs.	
Class "A" Concrete			25' x 12'4" x 16" = 12.83 Cu. Yds.		30' = 12.83 Cu. Yds.
Def. Rein. Steel (All Spans)			1721 Lbs.		
Fab. Carbon Steel (All Spans)			446 Lbs.		
* Av. Pile Load			25' x 12'4" x 16" = 12.83 Cu. Yds.		30' x 12'4" x 16" = 12.83 Cu. Yds.
INTERMEDIATE BENT (ONE BENT)					
BAR	SIZE	Nº	LENGTH	TOTAL LENGTH	LOCATION
A ₁	1"φ	5	26'-8"	133'-4"	Longit. in cap
A ₂	✓	5	28'-9"	143'-9"	Longit. in cap
Total 1" Bars = 277'-1"				740 Lbs.	
S	1/2"φ	27	8'-0"	216'-0"	Bent in cap
Total 1/2" Bars = 216'-0"				144 Lbs.	
Class "A" Concrete (All Spans)			4.40 Cu. Yds.		
Def. Rein. Steel (All Spans)			884 Lbs.		
Av. Pile Load			25' x 12'4" x 16" = 12.83 Cu. Yds.		

* To provide for future extension of Bridge, the End Bents are designed for the same loads as Intermediate Bents.
 ** When Approach Slab is used, deduct 103 Lbs. Fab. Carbon Steel and 200' 120 Lbs. Def. Rein. Steel.

General Notes:
 Construction Specifications: Latest approved La. Dept. of Highways Std. Specifications.
 Design Specifications: A.A.S.H.O. 1944 as amended to Dec. 15, 1946
 Live Load HL-15-44
 Reinforcing Steel shall be intermediate Grade
 Dimensions relating to reinforcing steel are to bar centers
 Quantities computed assuming 14" piles.



STANDARD PLAN
 REIN. CONCRETE PILE BENTS
 FOR I-BEAM SPANS 'HIS LOADING
 24'-0" ROADWAY 11" SIDEWALKS
 25' 27' 30' SPANS
 DESIGNED WITH STD. PLAN S-C-615
 DATE: JUNE 24, 1952

STATE OF LOUISIANA
 DEPARTMENT OF HIGHWAYS

DESIGNED	CHECKED	TRACED
BY	BY	BY
DATE	DATE	DATE

REVISIONS