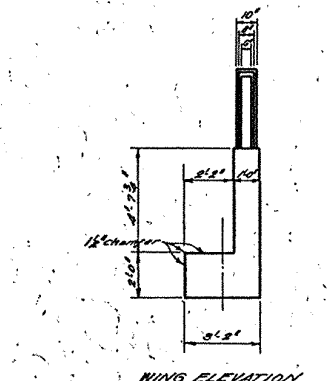
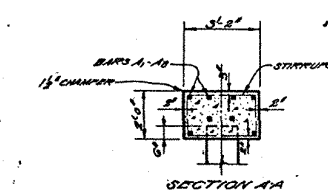
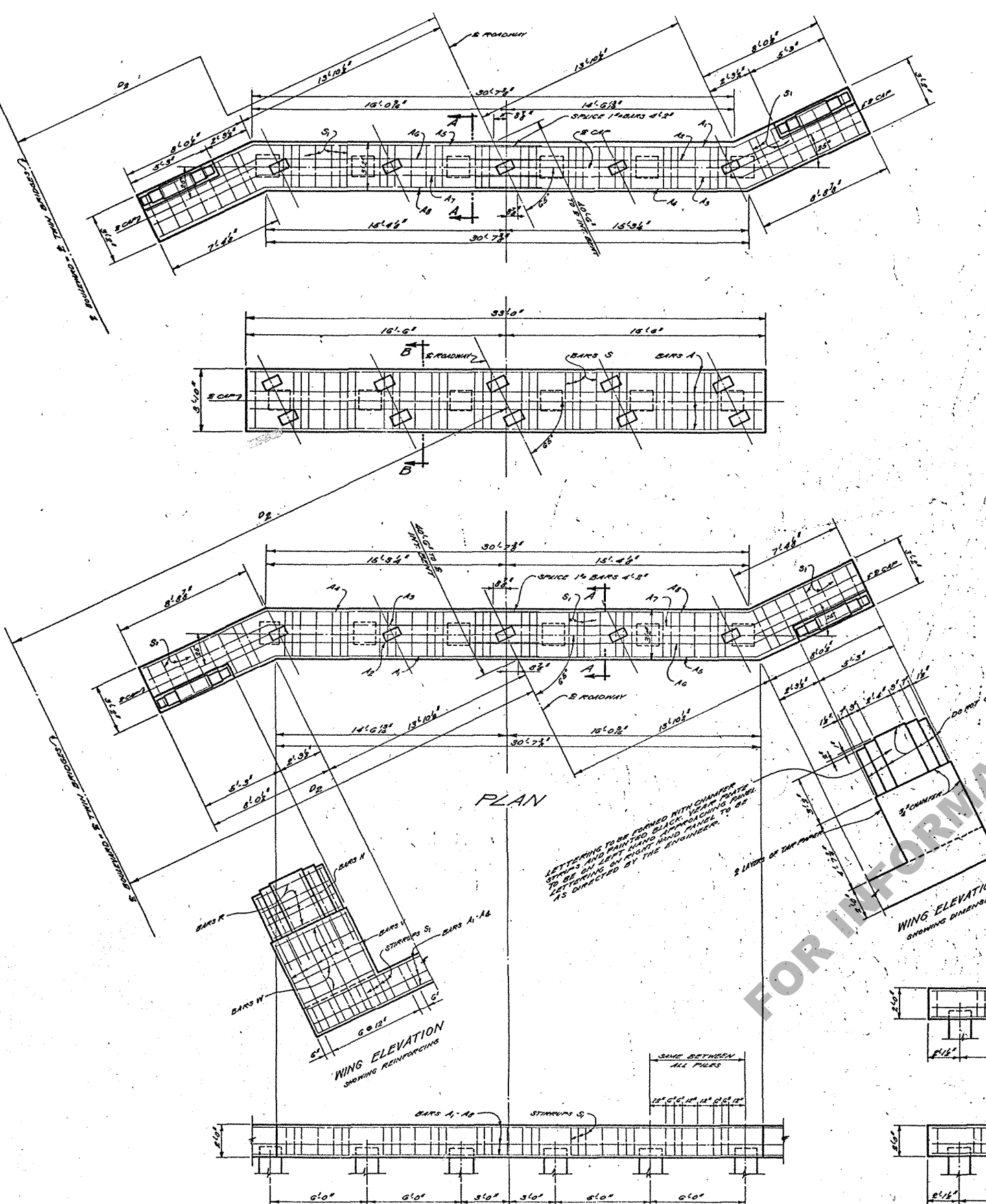


ESTIMATE OF QUANTITIES
ONE INT BENT-ONE SIDE OF E BOULEVARD

BAR SIZE NO.	UNIT	TOTAL LENGTH	LOCATION
5 PILE BENT			
S 5/8 34	11'2"	379'8"	CAP
TOTAL 5/8 BARS = 379'8"			396 LBS.
A 1/2 8	32'8"	261'4"	CAP
TOTAL 1/2 BARS = 261'4"			889 LBS.
TOTAL REINFORCING STEEL			1285 LBS.
CLASS 2" CONCRETE			9.21 CU. YDS.
6 PILE BENT			
S 5/8 37	11'2"	413'2"	CAP
TOTAL 5/8 BARS = 413'2"			431 LBS.
A 1/2 8	32'8"	261'4"	CAP
TOTAL 1/2 BARS = 261'4"			889 LBS.
TOTAL REINFORCING STEEL			1320 LBS.
CLASS 2" CONCRETE			9.17 CU. YDS.

DESIGN LOADS
NUMBER AND SIZE OF PILES

END BENT	INT. BENT
TOTAL DESIGN MINIMUM SIZE, NO., AND LOAD IN TONS AT PILE LOAD IN TONS	TOTAL DESIGN MINIMUM SIZE, NO., AND LOAD IN TONS AT PILE LOAD IN TONS
166.7 14" - 60 27.8 TONS	181.6 18" - 50 30.3 TONS
	164 - 60 30.3 TONS

NOTE:
FOR DETAILS OF CONCRETE PILES, SEE STD. PLAN C-S-143.
Max. Pile Loads: Unless otherwise instructed By En. Dist. Sec.
14" R.C. Piles = 30 Tons
16" R.C. Piles = 34 Tons
18" R.C. Piles = 39 Tons

ESTIMATE OF QUANTITIES
ONE END BENT-ONE SIDE OF E BOULEVARD

BAR SIZE NO.	UNIT	TOTAL LENGTH	LOCATION
H 5/8 24	4'8"	112'0"	WING POST
R 1/2 16	4'8"	74'8"	"
W 1/2 16	4'11"	78'8"	WINGS
TOTAL 5/8 BARS = 265'4"			177 LBS.
V 5/8 24	6'2"	148'0"	WINGS
S1 1/2 51	5'10"	501'6"	CAP AND WINGS
TOTAL 5/8 BARS = 645'6"			677 LBS.
A1 1/2 2	25'4"	50'8"	CAP AND WINGS
A2 1/2 2	25'6"	51'0"	"
A3 1/2 2	25'3"	51'6"	"
A4 1/2 2	25'11"	51'10"	"
A5 1/2 2	25'3"	50'6"	"
A6 1/2 2	25'0"	50'0"	"
A7 1/2 2	24'10"	49'8"	"
A8 1/2 2	24'7"	49'2"	"
TOTAL 1/2 BARS = 404'4"			1375 LBS.
TOTAL REINFORCING STEEL			2229 LBS.
CLASS 2" CONCRETE			13.45 CU. YDS.

GENERAL NOTES:
ALL DIMENSIONS TO REINFORCING ARE TO BAR CENTERS.
QUANTITIES COMPUTED ASSUMING USE OF 10% FILLING.
COST OF EXPANSION MATERIAL AND TAP PAPER TO BE INCLUDED IN PRICE BID FOR OTHER ITEMS.

STANDARD PLAN
REIN. CONC. PILE BENTS - 65° CROSSING
FOR
28'0" RDWY. BLVD. SEC. DECK GIRDER
TO BE USED WITH C.G. 100-20

DESIGNED BY *W. B. Gandy* CHECKED BY *W. B. Gandy* TRACED BY *W. B. Gandy*
DATE *5/24/40* BY *W. B. Gandy* IN CHARGE OF *W. B. Gandy* HEAD BRIDGE DESIGNER

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS