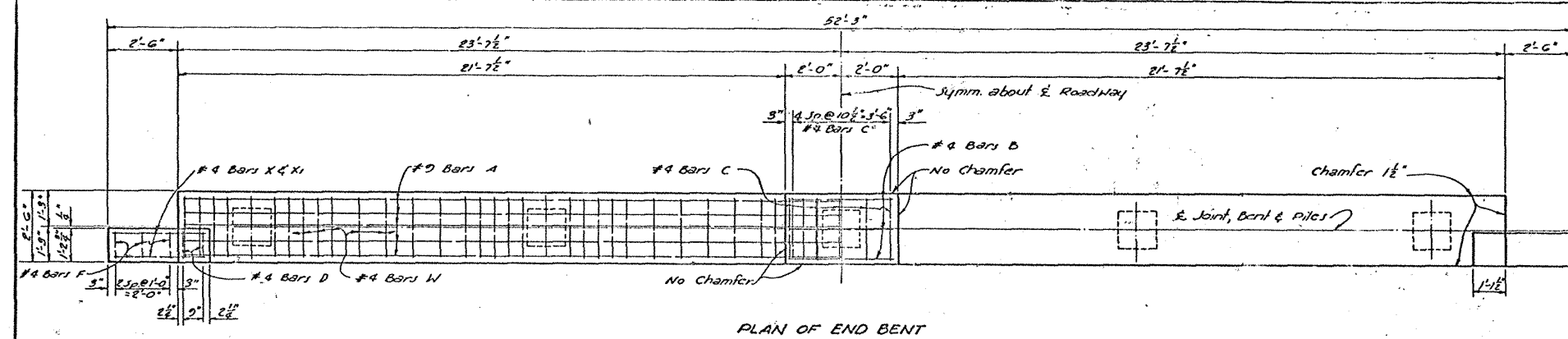
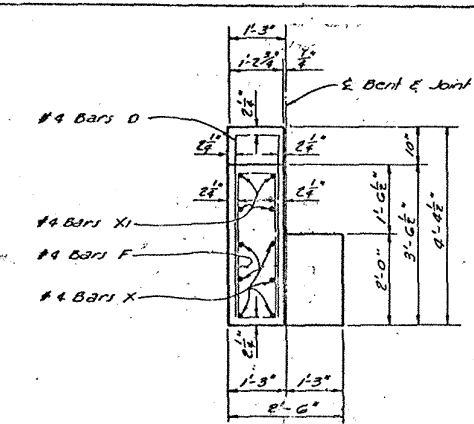


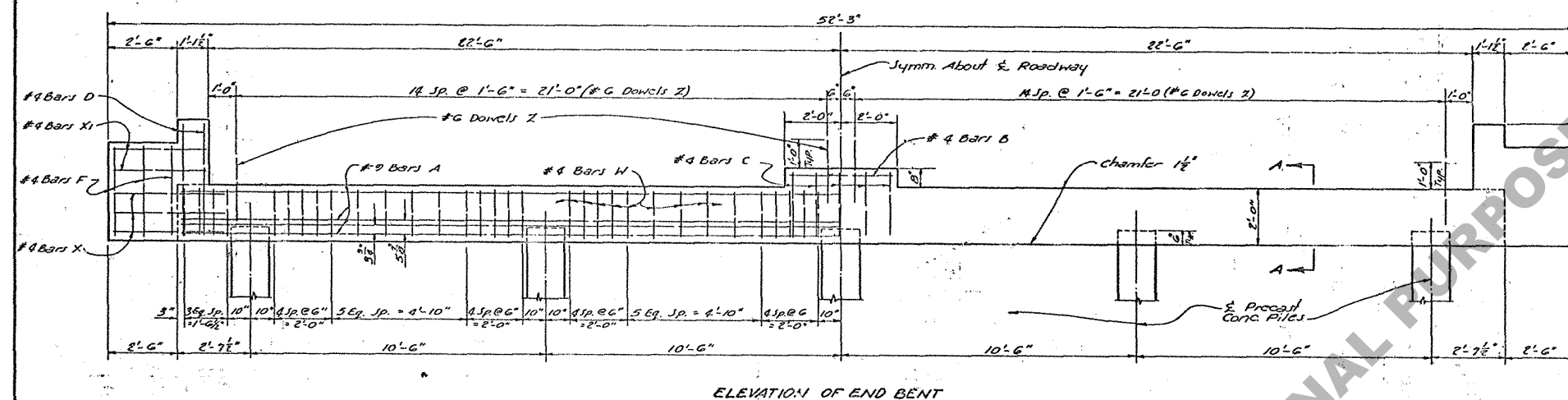
STATE PROJECT	PARISH	SHEET NO.



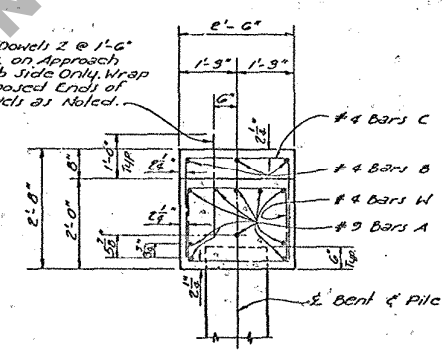
PLAN OF END BENT



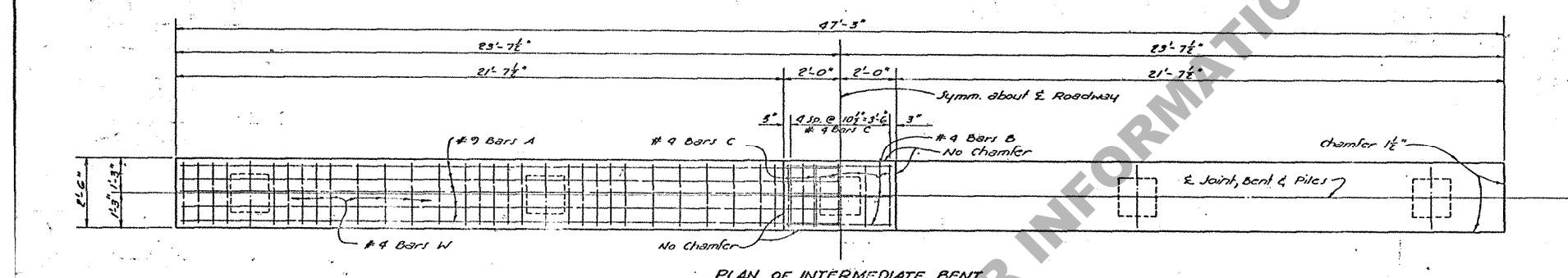
RIGHT END ELEVATION
(SHOWING WINGWALL REINFORCING STEEL)



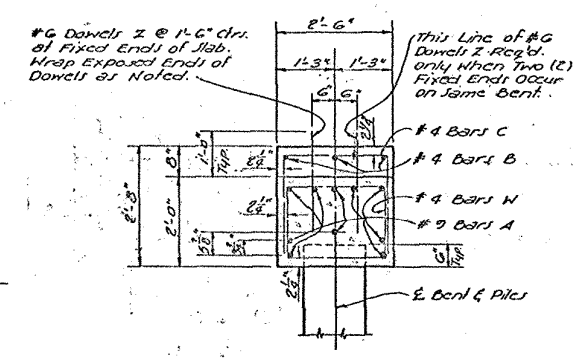
ELEVATION OF END BENT



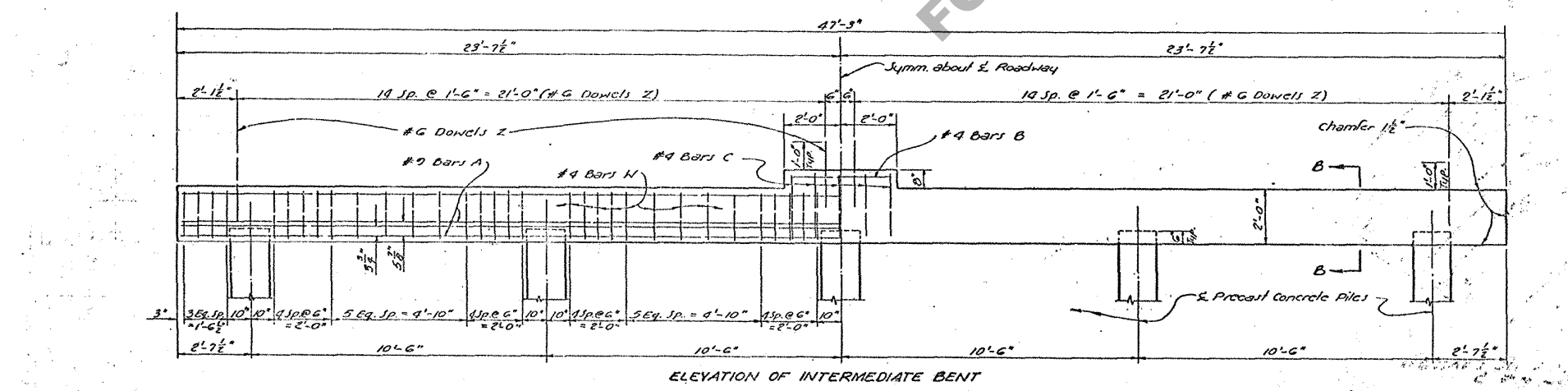
SECTION A-A



PLAN OF INTERMEDIATE BENT



SECTION B-B



ELEVATION OF INTERMEDIATE BENT

ESTIMATED QUANTITIES (ONE END BENT)				
BAR SIZE	Nº	UNIT LENGTH	TOTAL LENGTH	LOCATION
A	#2	10	46'-11"	Longit. in Cap
TOTAL #2 BARS = 460'-2" = 1,595 LBS.				
Z	#6	30	2'-3"	Dowels
TOTAL #6 BARS = 67'-6" = 101 LBS.				
B	#4	3	3'-8"	Longit. in River
C	#4	5	6'-6"	Stirrups in River
D	#4	4	8'-10"	Stirrups in Wingwall
F	#4	6	8'-8"	Stirrups in Wingwall
W	#4	64	8'-2"	Stirrups in Cap
X	#4	12	48'-0"	Longit. in Wingwall
XI	#4	8	3'-5"	Longit. in Wingwall
TOTAL #4 BARS = 727'-6" = 406 LBS.				
TOTAL DEFORMED REINFORCING STEEL = 2,102 LBS.				
TOTAL CLASS "A" CONCRETE IN BENTS = 9.88 CU. YDS.				
MAXIMUM PILE LOAD = 43.5 TONS				

* To Provide for Future Extension of Bridge, End Bents are Designed for Same Load as Intermediate Bents.

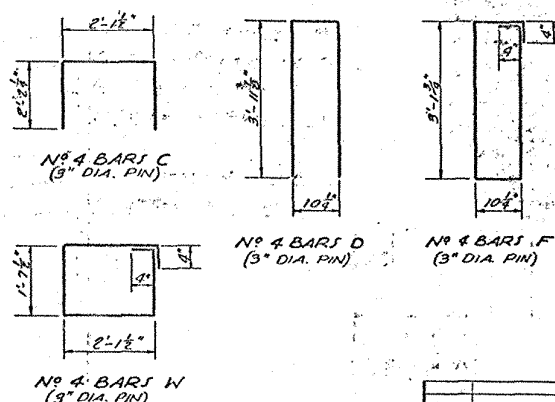
ESTIMATED QUANTITIES (ONE INTERMEDIATE BENT)				
BAR SIZE	Nº	UNIT LENGTH	TOTAL LENGTH	LOCATION
A	#2	10	46'-11"	Longit. in Cap
TOTAL #2 BARS = 460'-2" = 1,595 LBS.				
Z	#6	30	2'-3"	Dowels
TOTAL #6 BARS = 67'-6" = 101 LBS.				
B	#4	3	3'-8"	Longit. in River
C	#4	5	6'-6"	Stirrups in River
W	#4	64	8'-2"	Stirrups in Cap
TOTAL #4 BARS = 566'-2" = 370 LBS.				
TOTAL DEFORMED REINFORCING STEEL = 2,074 LBS.				
TOTAL CLASS "A" CONCRETE IN BENTS = 8.83 CU. YDS.				
MAXIMUM PILE LOAD = 43.5 TONS				

* Add 101 Lbs. of Reinforcing Steel (30-#6 Dowels Z) when two (2) Fixed Ends occur on one (1) Intermediate Bent.
* Quantities Computed Assuming 16" Precast Concrete Piles.

GENERAL NOTES:
CONSTRUCTION SPECIFICATIONS: Latest Approved Louisiana Department of Highways Standard Specifications dated Oct. 1960.
DESIGN SPECIFICATIONS: A.A.S.H.O. Specifications for Highway Bridges, 1960.
LIVE LOAD: HS20-44.
Reinforcing Steel Bars shall be Intermediate or Hard Grade, A.S.T.M. A15 or A615, or A.S.T.M. A100, or A617, or Rail Steel A.S.T.M. A10 or A610, conforming to A.S.T.M. A305. Dimensions Relating to Reinforcing Steel are to Bar Center.
All Concrete to be Class "A".
All Exposed Ends of #6 Dowels Z to be Wrapped with 2-layers of 15# Tar Paper Close Fitting Tubes made of compressible material not less than 3/16" thick may be substituted. Tar Paper Wrappings to be included in Price Bid for CLASS "A" CONCRETE.
All Corners to be Chamfered 3/8" unless otherwise noted. For Details of Concrete Piles, See Standard Plans as Shown on General Plans.
On End Bents, All Exposed Vertical Surfaces and Chamfers on Cap to have a 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.

BENTS

STANDARD PLAN PRECAST CONCRETE PILE BENTS FOR 20'-0" CONCRETE SLAB SPANS LIVE LOAD: HS20-44 44'-0" ROADWAY 6" BRUSH CURB			
DATED Jan. 1960			
STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS			
DESIGNED <i>R. T. J. J.</i>	REVIEWED <i>P. J. J.</i>	TRACED <i>E. J. J.</i>	
CHECKED <i>R. B. J.</i>	CHECKED <i>R. B. J.</i>	CHECKED <i>R. B. J.</i>	
BRIDGE DESIGN SECTION			



NO. 4 BARS C
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NO. 4 BARS D
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NO. 4 BARS F
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NO. 4 BARS W
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