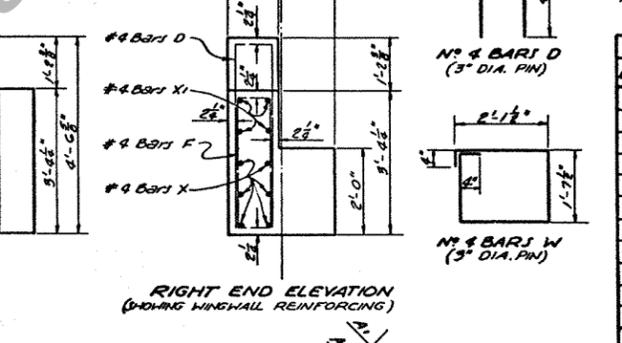
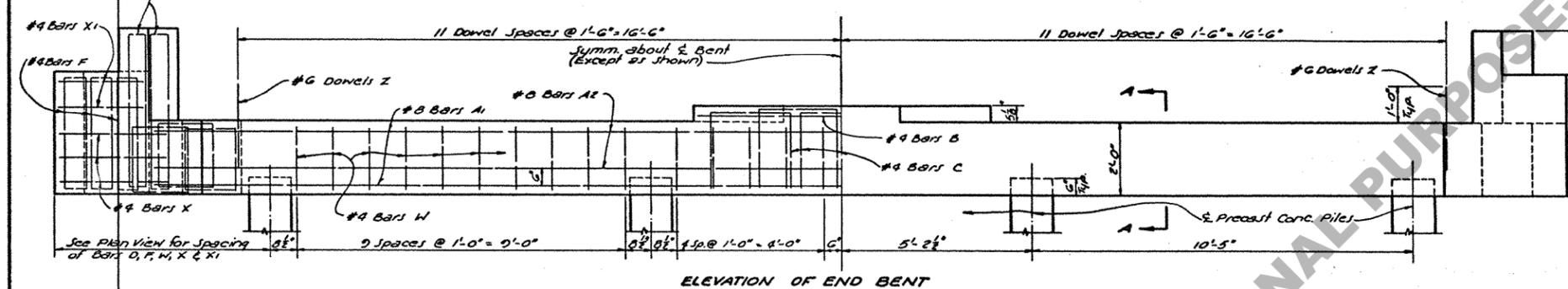


ESTIMATED QUANTITIES (END BENT)

BAR SIZE	N°	UNIT LENGTH	TOTAL LENGTH	LOCATION
A1	#8	4 30'-1"	156'-4"	Long in Cap
A2	#8	4 30'-1"	156'-4"	Long in Cap
TOTAL #8 BARS = 312'-0" = 855 LBS.				
Z	#6	23 2'-9"	51'-0"	Dowels in Cap
TOTAL #6 BARS = 51'-0" = 78 LBS.				
B	#4	5 5'-9"	15'-0"	RIVER
C	#4	5 7'-0"	35'-0"	RIVER
D	#4	4 9'-3"	37'-0"	Wingwall
F	#4	6 8'-4"	50'-0"	Wingwall
W	#4	36 8'-2"	294'-0"	Shirups
X	#4	12 4'-0"	48'-0"	Wingwall
X1	#4	8 3'-9"	26'-0"	Wingwall
TOTAL #4 BARS = 505'-0" = 338 LBS.				
TOTAL DEFORMED REINFORCING STEEL = 1251 LBS.				
* TOTAL CLASS "A" CONCRETE = 8.45 CU. YDS.				
Ø AVERAGE PILE LOAD = 25.1 TONS				

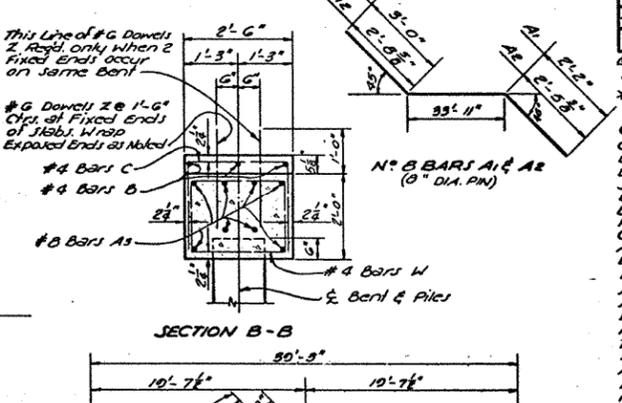
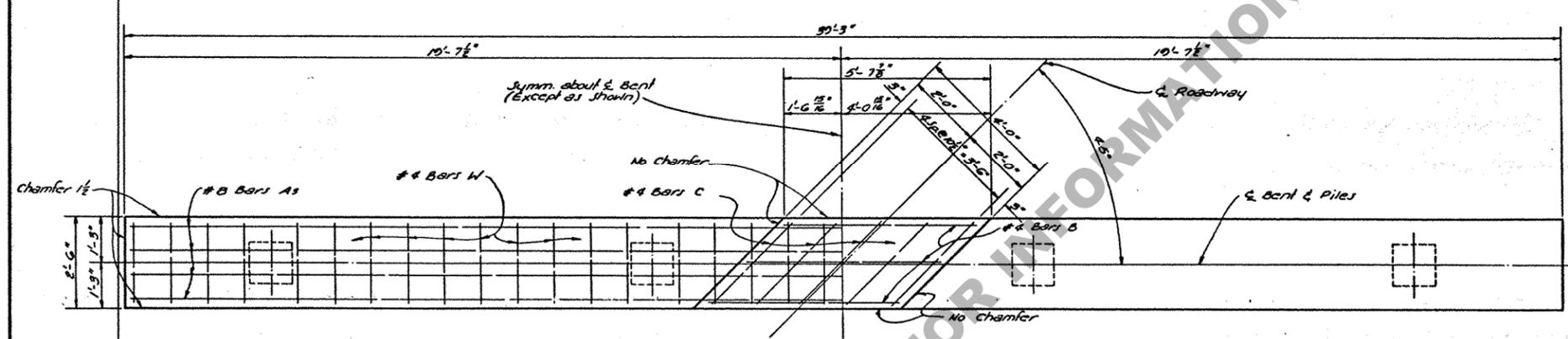
Ø To Provide for Future Extension of Bridge, End Bents are Designed for Same Load as Intermediate Bents.



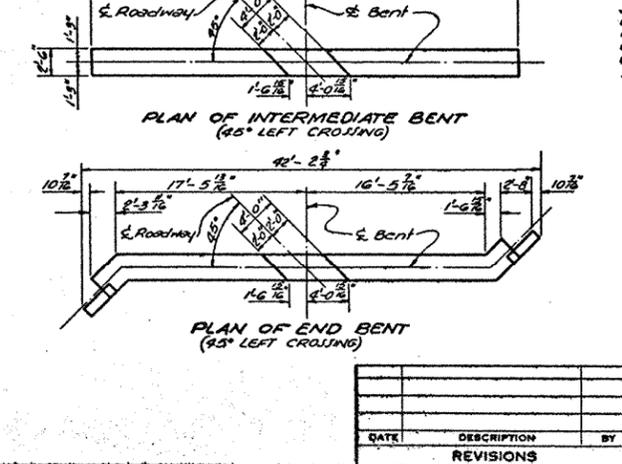
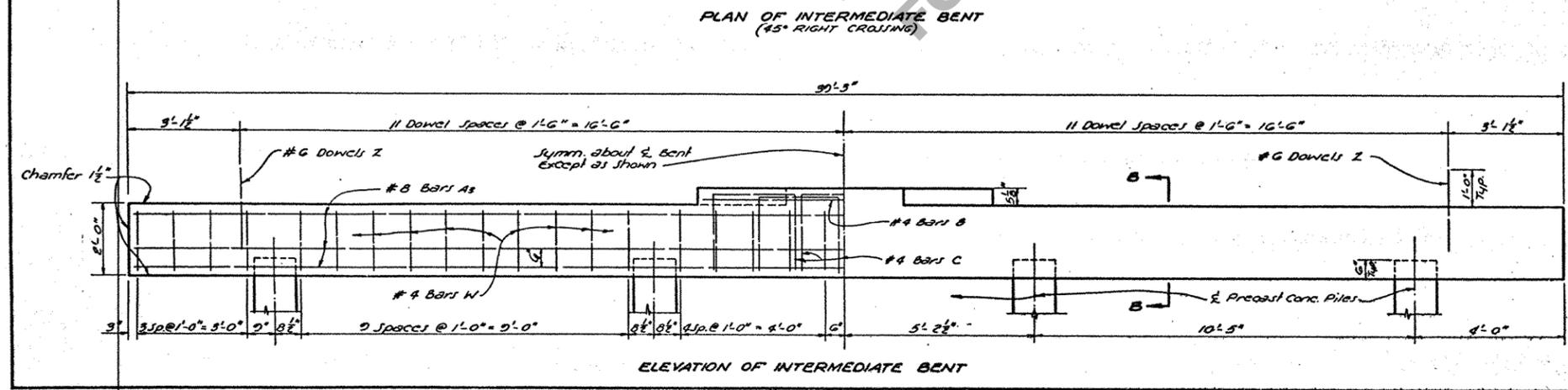
ESTIMATED QUANTITIES (INTERMEDIATE BENT)

BAR SIZE	N°	UNIT LENGTH	TOTAL LENGTH	LOCATION
A3	#8	6 30'-11"	311'-4"	Long in Cap
TOTAL #8 BARS = 311'-4" = 831 LBS.				
Z	#6	23 2'-9"	51'-0"	Dowels in Cap
TOTAL #6 BARS = 51'-0" = 78 LBS.				
B	#4	5 5'-3"	15'-0"	RIVER
C	#4	5 7'-0"	35'-0"	RIVER
W	#4	50 8'-2"	310'-4"	Shirups
TOTAL #4 BARS = 361'-4" = 241 LBS.				
Ø TOTAL DEFORMED REINFORCING STEEL = 1150 LBS.				
* TOTAL CLASS "A" CONCRETE = 7.39 CU. YDS.				
Ø AVERAGE PILE LOAD = 25.1 TONS				

Ø Add 70# of Reinforcing Steel (23-#6 Dowels Z) when 2 Fixed Ends occur on Same Intermediate Bent.
* Quantities Computed Assuming 14" Precast Conc. Piles.



GENERAL NOTES:
 CONSTRUCTION SPECIFICATIONS: Latest Approved by Dept. of Hwy. Standard Specifications.
 DESIGN SPECIFICATIONS: A.A.H.M.D. Standard Specifications for Highway Bridges 1961, as Amended by Interim Specifications 1964.
 LIVE LOAD: H15-44.
 Reinforcing Steel Bars shall be Intermediate or Hard Grade A.I.T.M. A15, or A.I.T.M. A160, or Rail Steel (When Also Complied with A.I.T.M. 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. Class Filling Tubes, made of compressible material not less than 1/2" thick, also comply with A.I.T.M. A305.
 Dimensions Relating to Reinforcing Steel are to Bar Centers.
 All corners to be chamfered 1/2" unless otherwise noted.
 For details of concrete Piles, see Standard Plan shown on General Plan.
 On End Bents, All Exposed Vertical Surfaces and Chamfers on Cap 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.



DATE	DESCRIPTION	BY
	REVISIONS	

BENTS

STANDARD PLAN
 PRECAST CONCRETE PILE BENTS
 FOR 20'-0" CONCRETE SLAB SPANS
 LIVE LOAD: H15-44
 24'-0" ROADWAY 1'-6" SAFETY CURBS

DATED: March 1, 1967

STATE OF LOUISIANA
 DEPARTMENT OF HIGHWAYS

DESIGNED: Khalil S. Sano	DETAILED: C. C. ...	TRACED: E. C. ...
CHECKED: S. ...	CHECKED: J. ...	CHECKED: J. ...

BRIDGE DESIGN SECTION