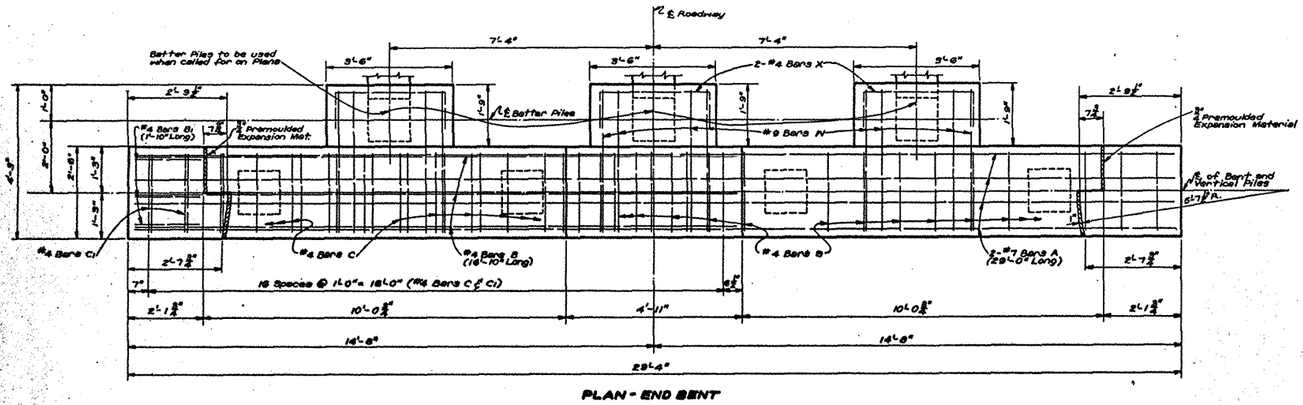
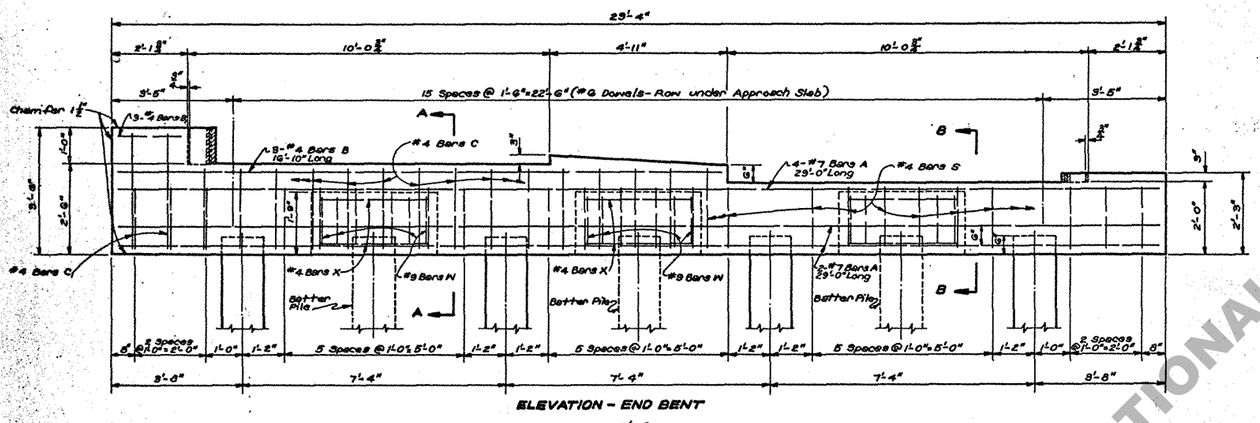
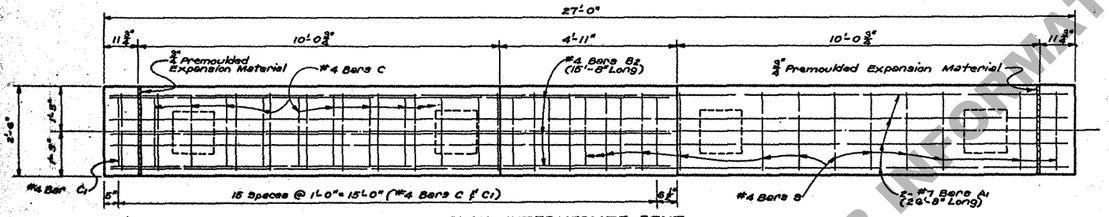


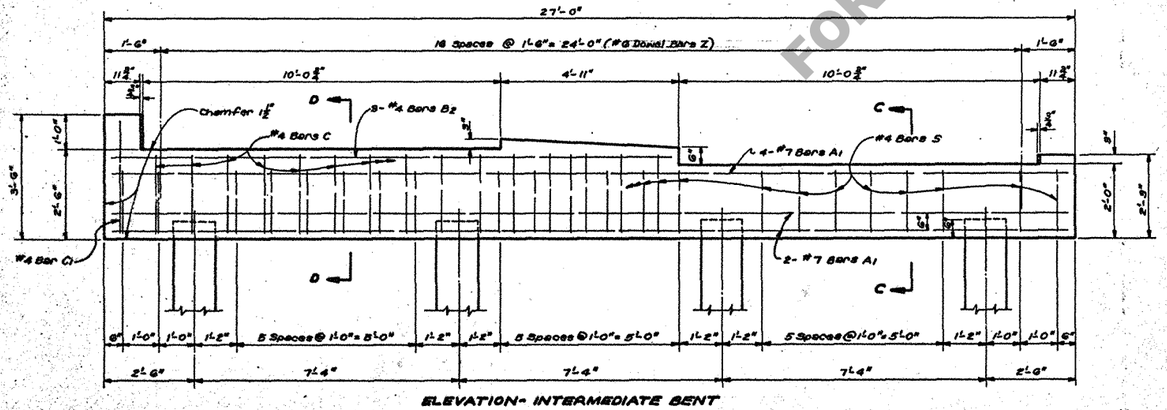
PLAN - END BENT



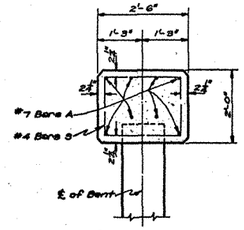
ELEVATION - END BENT



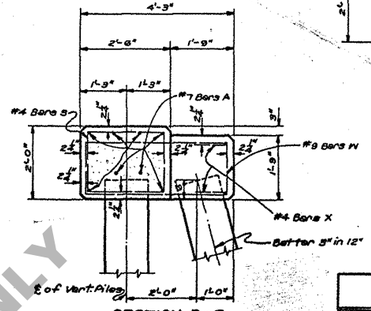
PLAN - INTERMEDIATE BENT



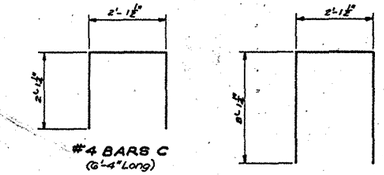
ELEVATION - INTERMEDIATE BENT



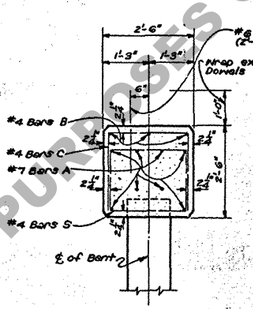
SECTION B-B
TYPE 1



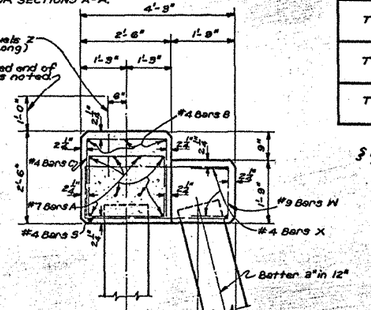
SECTION B-B
TYPE 2 OR 3



NOTE: #6 DOWELS Z AND ALL DIMENSIONS AND NOTES RELATING TO THEM, SAME FOR SECTIONS B-B AS FOR SECTIONS A-A.



SECTION A-A
TYPE 1



SECTION A-A
TYPE 2 OR 3

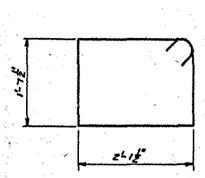
TYPE OF END BENT REQUIRED			
END BENT	GROUND TO GRADE (FEET) §	SUBSOIL	Nº OF BATTERED PILES REQUIRED
TYPE 1	0 - 6	POOR	0
	0 - 8	GOOD	
TYPE 2	5 - 10	POOR	2
	8 - 16	GOOD	
TYPE 3	10 +	POOR	3
	16 +	GOOD	

§ Maximum Ht. Ground to Grade, 15'- with 12"ø Conc. Piles, 20'- with 14"ø Conc. Piles.

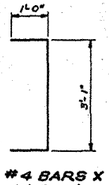
QUANTITIES AND PILE LOADS			
ITEM / TYPE	CLASS "A" CONCRETE CU. YDS.	DEF. REIN. STEEL # LBS.	AVERAGE PILE LOAD TONS
4 PILE END BENT *			
TYPE 1	6.46	776	23.6
TYPE 2	7.21	1102	23.6
TYPE 3	7.58	1265	23.6
INTERMEDIATE BENT			
4-PILE	5.81	718	23.6

* TO PROVIDE FOR FUTURE EXTENSION OF BRIDGE, THE END BENTS ARE DESIGNED FOR SAME LOAD AS THE INTERMEDIATE BENTS.

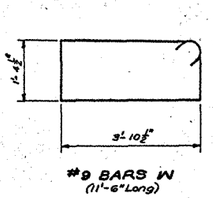
* ADD 27 LBS. OF REINFORCING STEEL (17-#6 DOWELS Z) WHEN TWO FIXED ENDS OCCUR ON ONE INTERMEDIATE BENT.



#4 BARS S
(8'-6" Long)



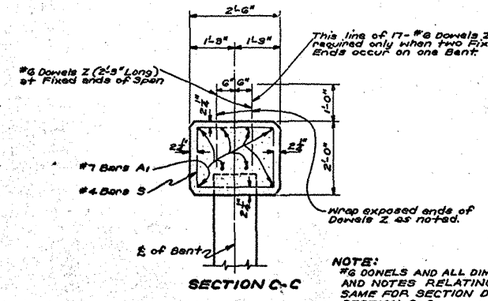
#4 BARS X
(5'-1" Long)



#9 BARS W
(11'-6" Long)

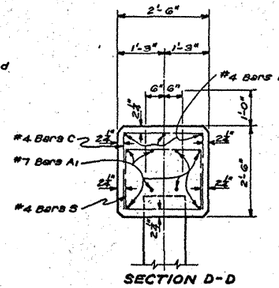
MAXIMUM ALLOWABLE PILE LOADS:
12"ø R.C. PILES : 24 TONS PER PILE
14"ø R.C. PILES : 28 TONS PER PILE

GENERAL NOTES:
CONSTRUCTION SPECIFICATIONS: LATEST APPROVED LOUISIANA DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS.
DESIGN SPECIFICATIONS: A.A.S.H.O. 1944, AS AMENDED TO DEC. 15, 1946. (DESIGN TAKEN FROM STD. PLAN C-S-165-15) L.L. H15-44.
REINFORCEMENT BARS SHALL BE STRUCTURAL, INTERMEDIATE, OR HARD GRADE, A.S.T.M. A15 OR RAIL STEEL, A.S.T.M. A16.
DIMENSIONS RELATING TO REINFORCING STEEL ARE TO BAR CENTERS.
#6 DOWELS Z TO BE WRAPPED WITH TWO LAYERS OF 15 LB. TAR PAPER.
CLOSE FITTING TUBES MADE OF COMPRESSIBLE MATERIAL NOT LESS THAN ⅜" THICK, MAY BE SUBSTITUTED FOR TAR PAPER WRAPPING.
CONCRETE TO BE CLASS "A". QUANTITIES COMPUTED ASSUMING 14"ø PILES.
FOR DETAILS OF CONCRETE PILES SEE STD. PLAN C-S-148.



SECTION C-C

NOTE:
#6 DOWELS AND ALL DIMENSIONS AND NOTES RELATING TO THEM, SAME FOR SECTION D-D AS FOR SECTION C-C.



SECTION D-D

DISCARD WP 3-11-59

DATE	DESCRIPTION	BY
REVISIONS		

STANDARD PLAN
REINFORCED CONCRETE PILE BENTS
FOR 20'-0" CONCRETE SLAB SPAN ON 2° CURVE
H15-44 LOADING
TO BE USED WITH STD. PLAN C-F-S-5-15

DATED JULY, 1953

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

DESIGNED	DETAILED F.C.P.	TRACED Q. Chapman
CHECKED	CHECKED [illegible]	CHECKED P.C.P.

BRIDGE DESIGN SECTION

C-S-204-15