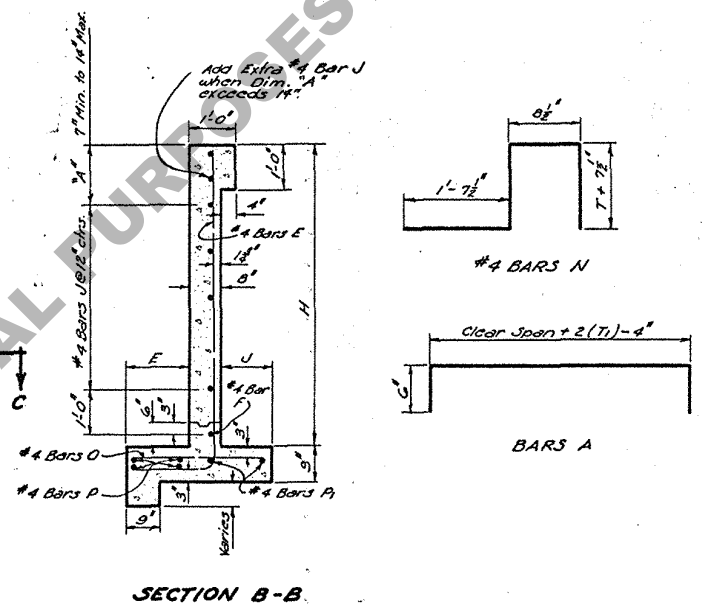
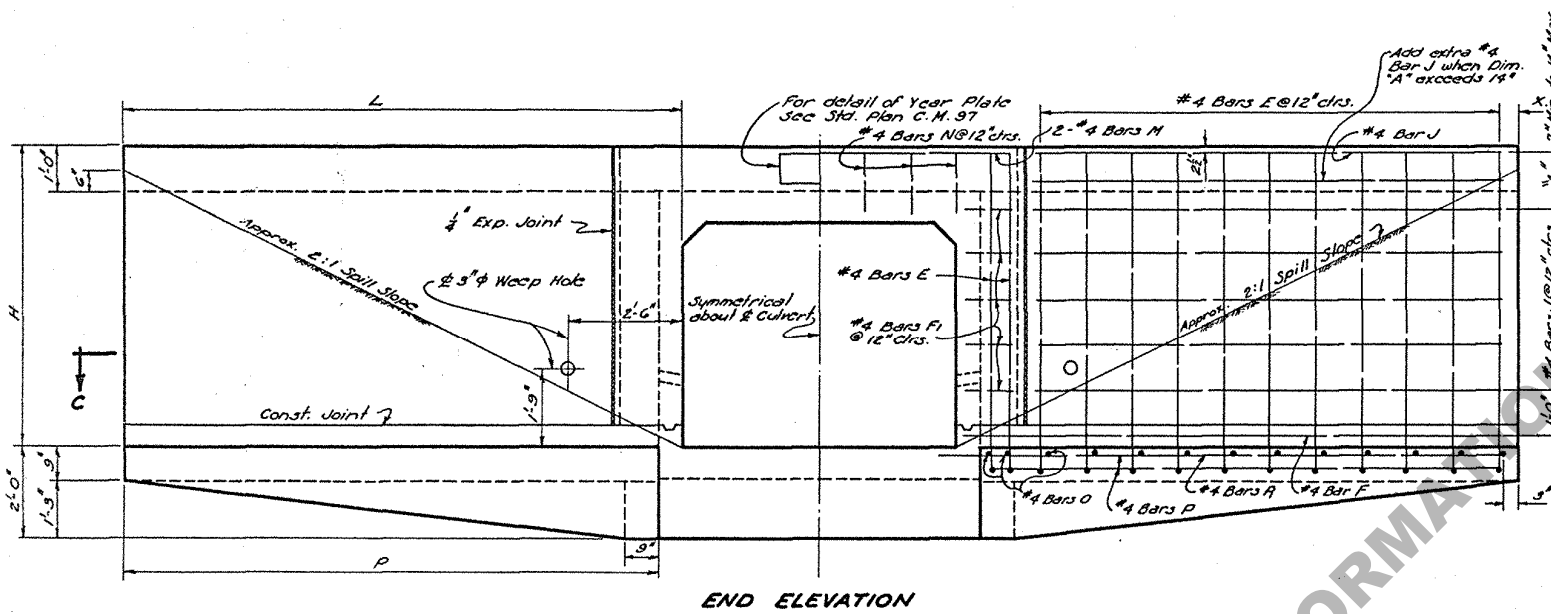
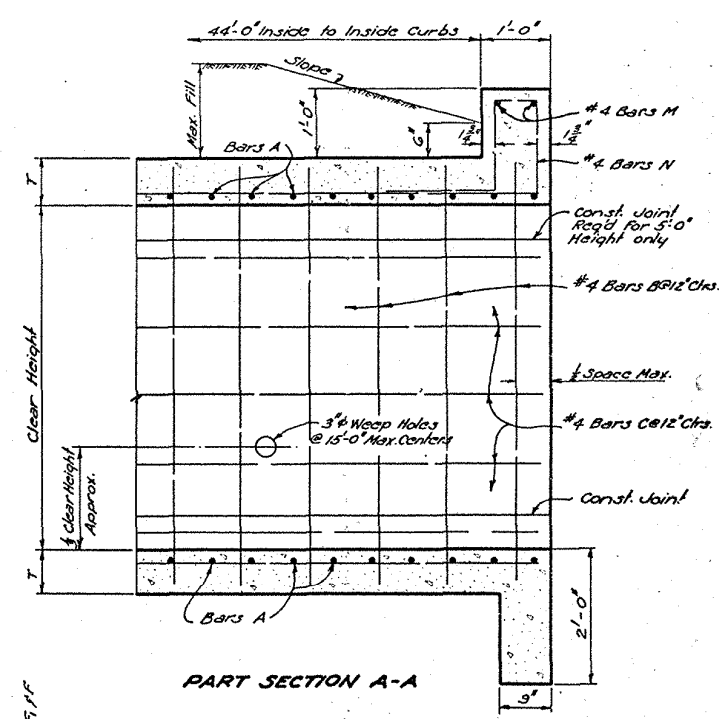
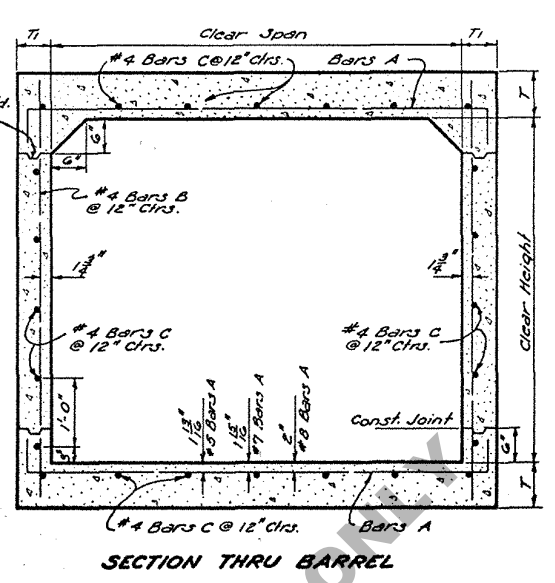
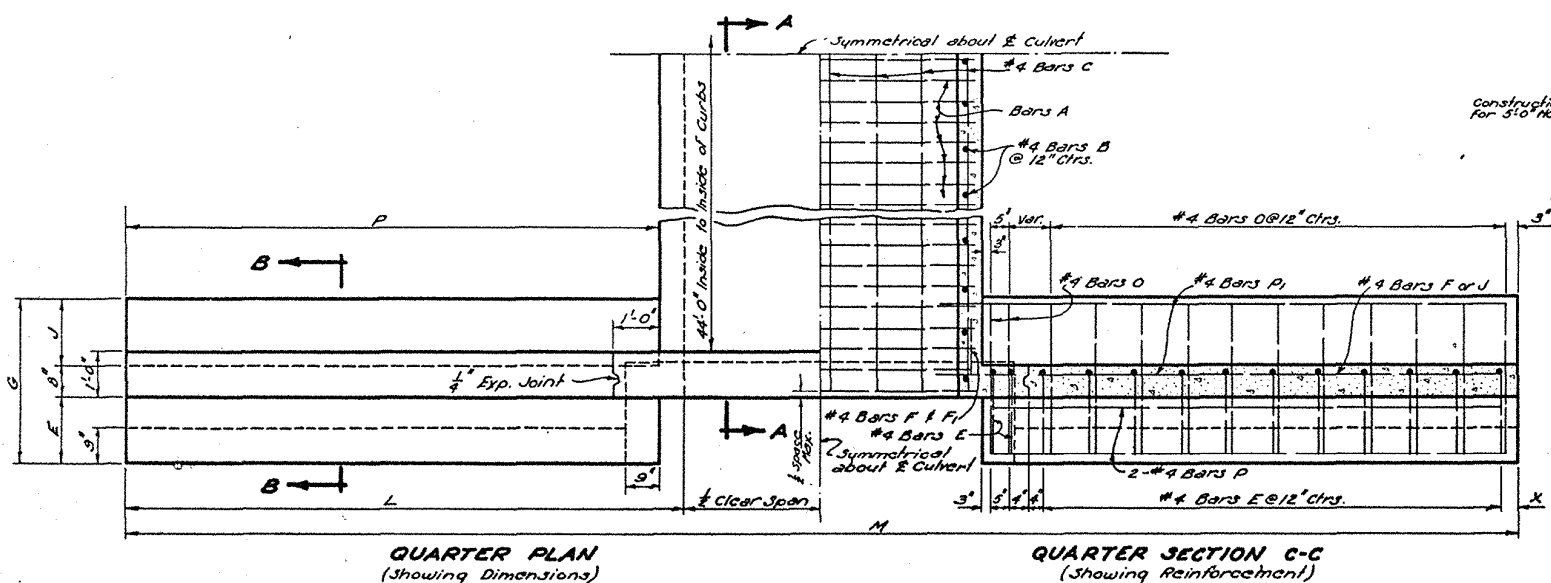




GENERAL NOTES:
 CONSTRUCTION SPECIFICATIONS: Latest approved La. Dept. of Highways Standard Specifications.
 DESIGN SPECIFICATIONS: AASHTO 1957 as amended to Dec. 31, 1958.
 Live Load: H-20 + 36' + 44'.
 All exposed corners to be chamfered 3" unless otherwise noted.
 Reinforcing steel shall be Intermediate or Hard Grade A.S.T.M. A15 or Rail Steel A.S.T.M. A16, conforming to A.S.T.M. A505.
 Dimensions to Reinforcing steel are to bar centers.
 Place about 2 cu. ft. of large size Gravel or Loose Rock behind and around each Weep Hole.
 Concrete to be Class "A".
 For details of Expansion Joint and construction joint see Std. Plan C.M. 43.

DIMENSIONS														BILL OF REINFORCING STEEL FOR 44'-0" CULVERT																								QUANTITIES				OPENINGS			
OPENINGS			BARREL		WINGS & CURBS									BARREL REINFORCEMENT						WINGS AND CURB REINFORCEMENT												PER LIN. FT. OF BARREL		44" CULVERT											
CLEAR SPAN	CLEAR HEIGHT	AREA	MAX. FILL	T	Ti	E	U	G	H	L	P	M	X	BARS A		BARS B		BARS C		BARS E		BARS F		BARS G		BARS J		BARS K		BARS L		BARS M		STEEL	CONC.	STEEL	CONC.	CLEAR SPAN	CLEAR HEIGHT						
FEET	FT. IN.	SQ. FT.	FEET	IN.	IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	SIZE	Nº	LENGTH	SPACE	Nº	LENGTH	Nº	LENGTH	Nº	LENGTH	Nº	LENGTH	Nº	LENGTH	Nº	LENGTH	Nº	LENGTH	Nº	LENGTH	Nº	LENGTH	Nº	LENGTH	FEET	FT. IN.						
6	2-0	12	12	8	6	0-9	0-8	2-1	3-8	6-4	5-10	18-6	6	#5	220	7-8	5	32	3-0	18	47-2	20	4-11 1/2	4	7-3	8	2-4	16	4-6	14	4-11	28	1-8	16	5-5	8	7-1	4	8-5	54.41	0.4290	2879	25.08	2-0	
	2-6	15	12	8	6	0-9	0-8	2-1	4-2	7-4	6-10	20-8	6	#5	220	7-8	5	32	3-6	20	47-2	32	5-5 1/2	4	8-3	8	2-4	16	5-6	14	4-11	32	1-8	16	6-5	8	8-1	4	8-5	56.42	0.4475	3030	26.98	2-6	
	3-0	18	12	8	6	1-0	0-8	2-4	4-8	8-4	7-10	22-8	6	#5	220	7-8	5	32	4-0	20	47-2	36	6-2 1/2	4	9-3	12	2-4	20	6-6	14	4-11	36	1-11	16	7-5	8	9-1	4	8-5	57.08	0.4661	3157	29.24	3-0	
	4-0	24	12	8	6	1-3	0-10	2-9	5-8	10-4	9-10	26-8	6	#5	220	7-8	5	32	5-0	22	47-2	44	7-5 1/2	4	11-3	16	2-4	24	8-6	14	4-11	44	2-4	16	9-5	8	11-1	4	8-5	59.76	0.5031	3467	34.08	4-0	
8	5-0	30	12	8	6	1-5	1-2	3-3	6-8	12-4	11-10	30-8	6	#5	220	7-8	5	32	6-0	24	47-2	52	8-7 1/2	4	13-3	20	2-4	28	10-6	14	4-11	52	2-10	16	11-5	8	13-1	4	8-5	62.43	0.5401	3805	39.60	5-0	
	2-0	16	6	9	6	0-9	0-8	2-1	3-9	6-6	6-0	21-0	8	#7	138	9-8	8	32	3-2	22	47-2	28	5-0 1/2	4	7-5	8	2-4	16	4-8	10	5-1	32	1-8	16	5-7	8	7-3	4	10-5	73.20	0.5833	4010	32.61	2-0	
	2-6	20	6	9	6	0-9	0-8	2-1	4-3	7-6	7-0	23-0	8	#7	138	9-8	8	32	3-8	24	47-2	32	5-6 1/2	4	8-5	8	2-4	16	5-8	18	5-1	32	1-8	16	6-7	8	8-3	4	10-5	80.20	0.6019	4162	34.53	2-6	
	3-0	24	6	9	6	1-0	0-8	2-4	4-9	8-6	8-0	25-0	8	#7	138	9-8	8	32	4-2	24	47-2	36	6-3 1/2	4	9-5	12	2-4	20	6-8	18	5-1	36	1-11	16	7-7	8	9-3	4	10-5	80.87	0.6204	4283	36.80	3-0	
10	4-0	32	6	9	6	1-3	0-10	2-9	5-9	10-6	10-0	29-0	8	#7	138	9-8	8	32	5-2	26	47-2	44	7-6 1/2	4	11-3	16	2-4	24	8-8	18	5-1	44	2-4	16	9-7	8	11-3	4	10-5	83.55	0.6574	4539	41.68	4-0	
	5-0	40	6	9	6	1-5	1-2	3-3	6-9	12-6	12-0	33-0	8	#7	138	9-8	8	32	6-2	28	47-2	52	8-8 1/2	4	13-3	20	2-4	28	10-8	18	5-1	52	2-10	16	11-7	8	13-3	4	10-5	86.22	0.6944	4939	47.24	5-0	
	2-0	16	5	10 1/2	7	0-9	0-8	2-1	3-10 1/2	6-9	6-2	23-6	10	#7	170	11-10	6 1/2	32	3-5	26	47-2	28	5-2	4	7-8	8	2-5	16	4-10	22	5-4	32	1-8	16	5-9	8	7-6	4	12-7	111.24	0.8194	5568	43.89	2-0	
	2-6	25	5	10 1/2	7	0-9	0-8	2-1	4-1 1/2	7-9	7-2	25-6	10	#7	170	11-10	6 1/2	32	3-11	28	47-2	32	5-8	4	8-0	8	2-5	16	4-10	22	5-4	36	1-8	16	6-9	8	8-0	4	12-7	113.24	0.8410	5720	45.09	2-6	
12	3-0	30	5	10 1/2	7	1-0	0-8	2-4	4-10 1/2	8-9	8-2	27-6	10	#7	170	11-10	6 1/2	32	4-5	28	47-2	36	6-5	4	9-8	12	2-5	20	6-10	22	5-4	36	1-11	16	7-9	8	9-6	4	12-7	113.91	0.8626	5848	48.42	3-0	
	4-0	40	5	10 1/2	7	1-3	0-10	2-9	5-10 1/2	10-9	10-2	31-6	10	#7	170	11-10	6 1/2	32	5-5	30	47-2	44	7-8	4	11-8	16	2-5	24	8-10	22	5-4	44	2-4	16	9-9	8	11-6	4	12-7	116.59	0.9059	6760	53.64	4-0	
	5-0	50	5	10 1/2	7	1-5	1-2	3-3	6-10 1/2	12-9	12-2	35-6	10	#7	170	11-10	6 1/2	32	6-5	32	47-2	52	8-10	4	13-8	20	2-5	28	10-10	22	5-4	52	2-10	16	11-9	8	13-6	4	12-7	119.26	0.9491	6501	59.54	5-0	
	2-0	24	5	11 1/2	7	0-9	0-8	2-1	3-11 1/2	6-11	6-4	25-10	12	#8	148	13-10	7 1/2	32	3-7	30	47-2	28	5-3	4	7-10	8	2-5	16	5-0	26	5-6	32	1-8	16	5-11	8	7-8	4	14-7	143.02	1.0303	7087	53.39	2-0	
	2-6	30	5	11 1/2	7	0-9	0-8	2-1	4-5 1/2	7-11	7-4	27-10	12	#8	148	13-10	7 1/2	32	4-1	32	47-2	32	5-9	4	8-10	8	2-5	16	6-0	26	5-6	32	1-8	16	6-11	8	8-8	4	14-7	145.02	1.0519	7239	56.07	2-6	
12	3-0	36	5	11 1/2	7	1-0	0-8	2-4	4-11 1/2	8-11	8-4	29-10	12	#8	148	13-10	7 1/2	32	4-7	32	47-2	36	6-6	4	9-10	12	2-5	20	7-0	26	5-6	36	1-11	16	7-11	8	9-8	4	14-7	145.69	1.0735	7368	58.53	3-0	
	4-0	48	5	11 1/2	7	1-3	0-10	2-9	5-11 1/2	10-11	10-4	33-10	12	#8	148	13-10	7 1/2	32	5-7	34	47-2	44	7-9	4	11-10	16	2-5	24	9-0	26	5-6	44	2-4	16	9-11	8	11-8	4	14-7	148.36	1.1167	7681	63.79	4-0	
	5-0	60	5	11 1/2	7	1-5	1-2	3-3	6-11 1/2	12-11	12-4	37-10	12	#8	148	13-10	7 1/2	32	6-7	36	47-2	52	8-11	4	13-10	20	2-5	28	11-0	26	5-6	52	2-10	16	11-11	8	13-8	4	14-7	151.04	1.1593	8023	69.75	5-0	

* Length includes 1-1/2" splice.

WING DESIGN TAKEN FROM C-C-17-20 DATED OCT. 10, 1952

VOID 11-7-61 CEA

STANDARD PLAN REINFORCED CONC. BOX CULVERT STRAIGHT WINGWALLS 2:1 SPILL SLOPE NORMAL TO CHANNEL 6' THRU 12' CLEAR SPANS, 2' THRU 5' CLEAR HTS. DATED 3-29-57			
STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS			
DESIGNED <i>R. W. H. S.</i>	DETAILED <i>P. H. S.</i>	TRACED <i>E. H. S.</i>	CHECKED <i>P. H. S.</i>
BRIDGE DESIGN SECTION			