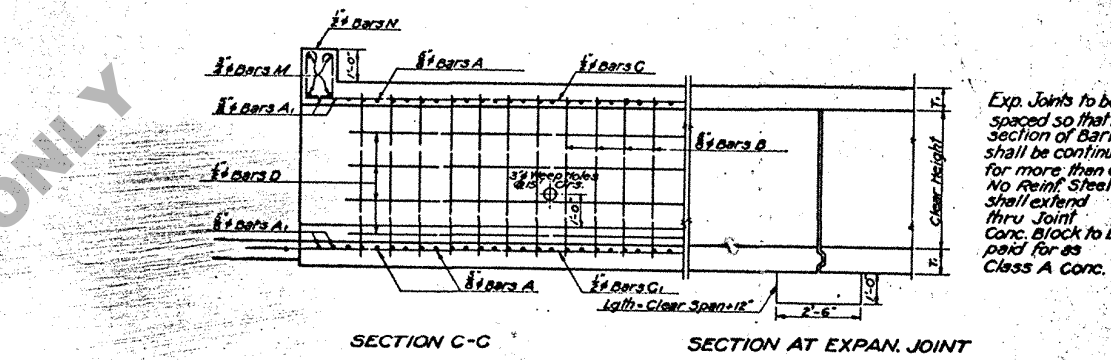
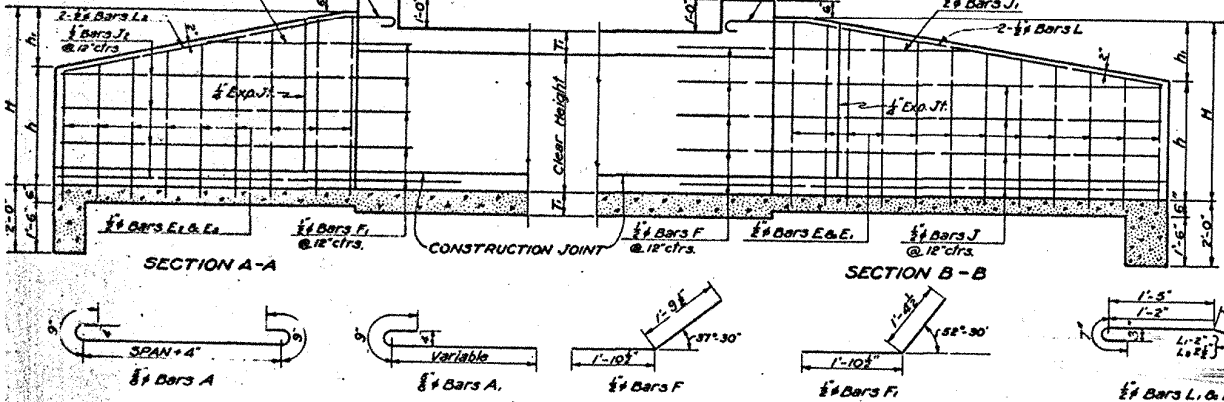
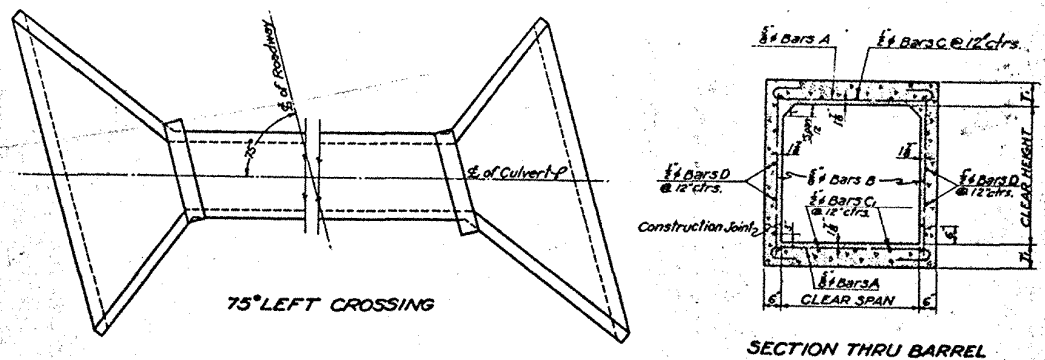
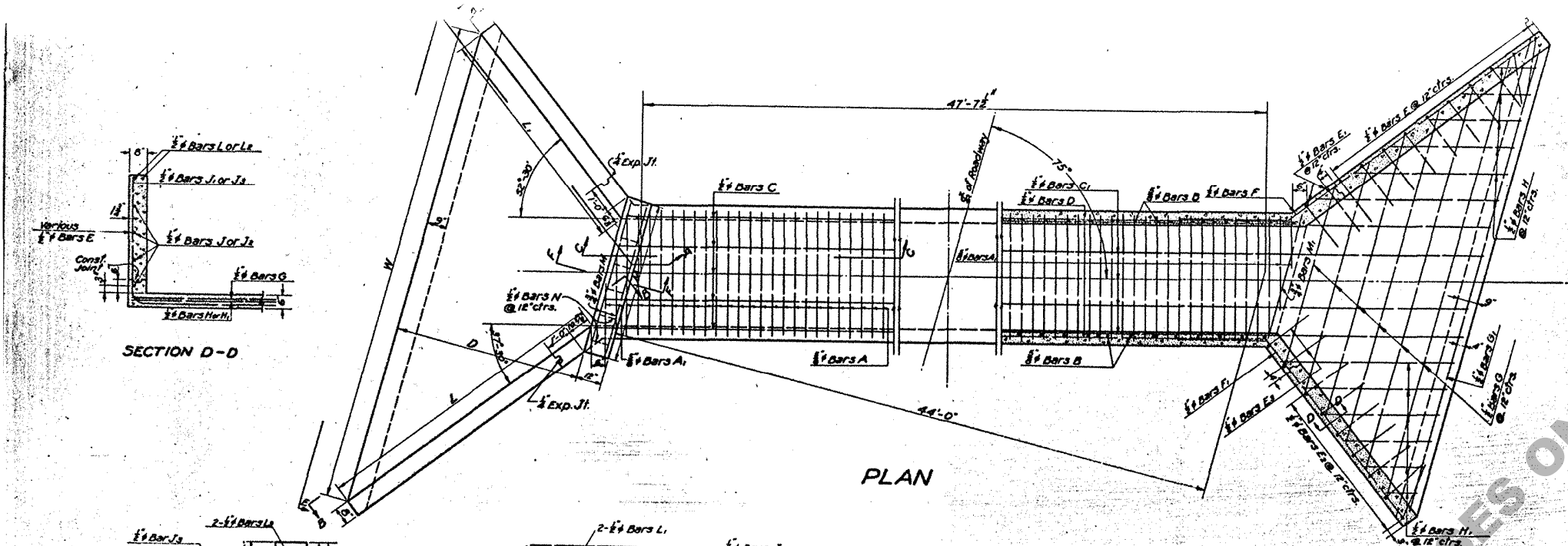
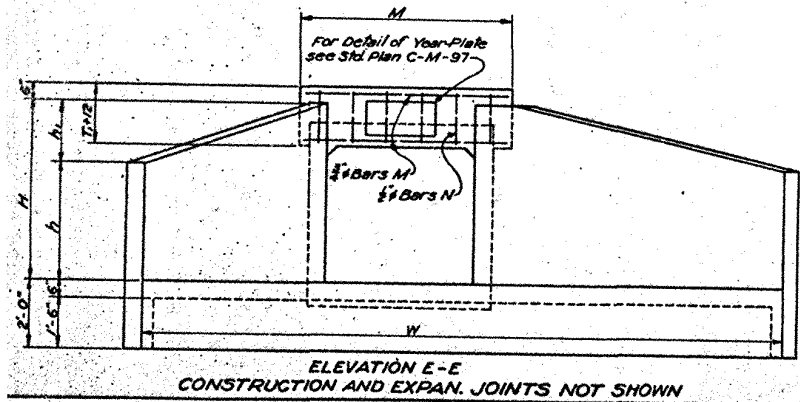


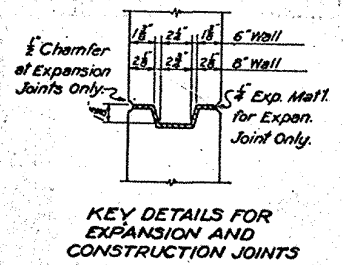


DIMENSIONS												QUANTITIES						
OPENINGS			BARREL	WINGS-CURBS AND APRONS								PER LIN. FT. OF BARREL		FOR 44'-0" CULVERT		OPENINGS		
CLEAR SPAN	CLEAR HEIGHT	AREA	T ₁	h	h ₁	H	L	L ₁	D	M	W	STEEL	CONC.	STEEL	CONC.	CLEAR HEIGHT	CLEAR SPAN	
FEET	FEET	SQ.FT.	INCHES	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	LBS.	CU.YDS.	LBS.	CU.YDS.	FEET	FEET	
2	1.5	3	7	1-0 8/16	0-10 3/16	2-7	5-8	4-4 1/2	3-5 3/8	3-11 1/8	9-2 1/2	31.71	0.1862	1791	11.93	1.5	2	
	2	4	7	2-0 1/2	1-0 3/8	3-1	6-9	5-2 1/2	4-1 1/8	3-11 1/8	10-7	32.96	0.2047	1915	13.66	2		
	2	6	7 1/2	2-1	1-0 3/8	3-1 1/2	6-10 3/8	5-3	4-2	4-11 1/8	11-0 3/8	33.52	0.2616	2261	16.77	2		
3	2.5	7.5	7 1/2	2-5	1-2 1/2	3-7 1/2	7-11 1/2	6-1 1/8	4-10	4-11 1/8	13-1 1/8	42.10	0.2801	2451	18.72	2.5	3	
	3	9	7 1/2	2-9	1-4 1/2	4-1 1/2	9-0 3/8	6-1 1/8	5-6	4-11 1/8	14-6	43.35	0.2986	2597	20.64	3		
	2	8	8 1/2	2-1 1/2	1-0 3/8	3-2 1/2	7-0 3/8	5-4 1/8	4-3	6-0 1/2	13-0	46.27	0.3405	2630	21.01	2		
4	3	12	8 1/2	2-9 1/2	1-4 3/8	4-2 1/2	9-2 3/8	7-0 3/8	5-7 1/8	6-0 1/2	15-9 3/8	50.12	0.3776	2939	24.97	3	4	
	4	16	8 1/2	3-5 1/2	1-8 3/8	5-2 1/2	11-4 3/8	8-9	6-1 1/8	6-0 1/2	18-6 1/2	53.95	0.4146	3321	29.39	4		

BILL OF STEEL FOR 44'-0" CULVERT										(DIMENSION L TO & OF RDWY.)																									
BARREL REINFORCEMENT										WINGS~CURBS AND APRON REINFORCEMENT																									
OPENING		CLEAR SPAN		CLEAR HEIGHT		NO. BARS A		NO. BARS B		NO. BARS C		NO. BARS D		NO. BARS E		NO. BARS F		NO. BARS G		NO. BARS H		NO. BARS I		NO. BARS J		NO. BARS K		NO. BARS L		NO. BARS M		NO. BARS N		OPENING	
FEET		FEET		FEET		NO. LGTH. SPC.		NO. LGTH. SPC.		NO. LGTH. SPC.		NO. LGTH. SPC.		NO. LGTH. SPC.		NO. LGTH. SPC.		NO. LGTH. SPC.		NO. LGTH. SPC.		NO. LGTH. SPC.		NO. LGTH. SPC.		NO. LGTH. SPC.		NO. LGTH. SPC.		NO. LGTH. SPC.		NO. LGTH. SPC.		FEET	
1.5		2.5		3.5		4.5		5.5		6.5		7.5		8.5		9.5		10.5		11.5		12.5		13.5		14.5		15.5		16.5		17.5		18.5	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19	
2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18</			



GENERAL NOTES
 Construction Specs. latest approved La. Dept. of Highways
 Std. Specs. Design Specifications: A.A.S.H.O. 1941, H-20-5.16 Loading.
 All Concrete to be Class A.
 Dimensions to Reinforcing Steel are to Bar Centers.
 All exposed Corners to be Chamfered 3/4".
 Place about one Cu. Ft. of Large Size Gravel or loose Rock behind and around each Weep Hole.
 When Culvert is located at a Site subject to Scour, the Curtain Walls shall be made deeper or Riprap placed around inside Face of Curtain Walls to prevent scouring.



STANDARD PLAN
 REINFORCED CONCRETE BOX CULVERTS
 2 FT. TO 4 FT. CLEAR SPAN
 1.5 FT. TO 4 FT. CLEAR HEIGHT
 75° CROSSING - 4:1 SLOPE - 30 FT. MAX. FILL

DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 IN CHARGE OF: [Signature]

DATE: [Date]
 DESCRIPTION: [Description]
 REVISIONS: [Revisions]

STATE OF LOUISIANA
 DEPARTMENT OF HIGHWAYS