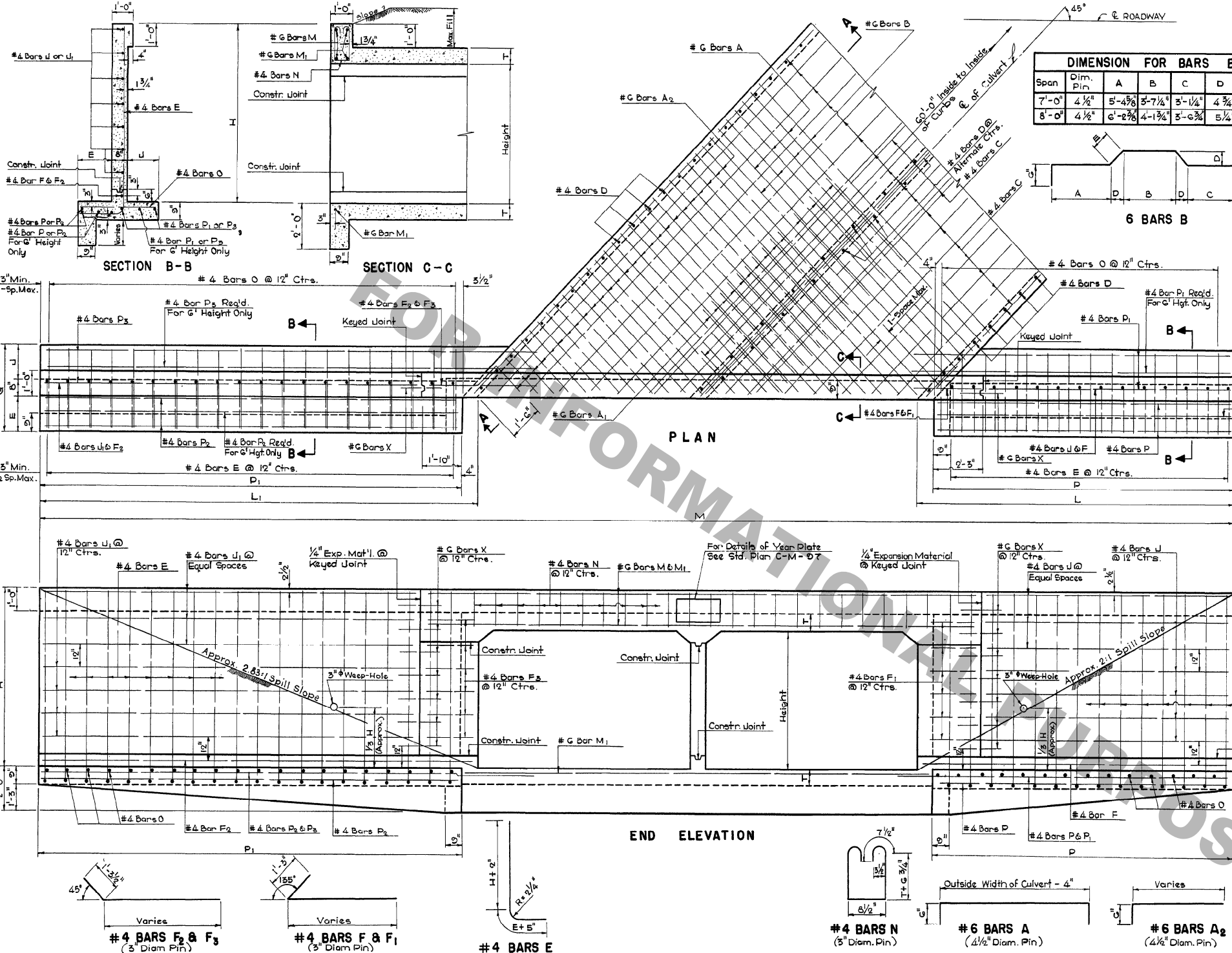
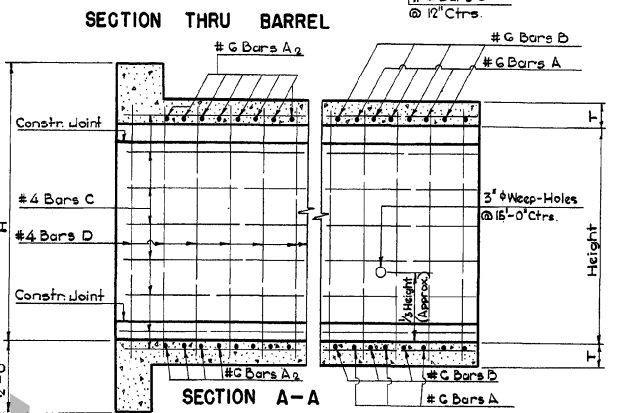
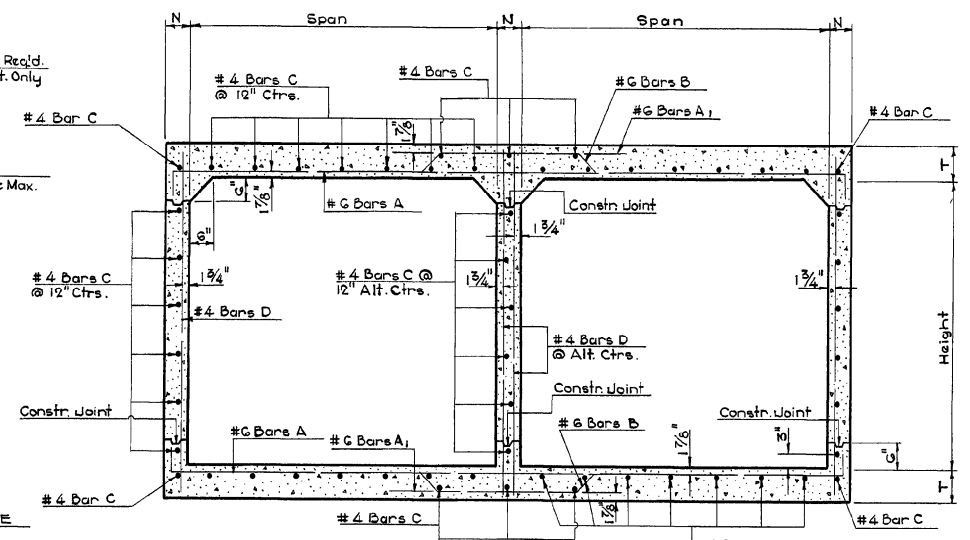




DIMENSION FOR BARS B						
Span	Dim. Pin	A	B	C	D	E
7'-0"	4 1/2"	5'-4 5/8"	5'-7 1/4"	5'-1 1/4"	4 3/4"	6 3/4"
8'-0"	4 1/2"	6'-2 5/8"	4'-1 3/4"	5'-6 3/4"	5 1/4"	7 3/8"

DIMENSIONS										QUANTITIES			
OPENINGS		MAX. FILL		BARREL		WINGS AND CURBS				PER LIN. FT. OF 60'-0" CULVERT			
SIZE	Nº	AREA Sq. Ft.	SLABS Feet	T	N	E	W	H	L	P	M	STEEL POUNDS	CONCRETE Cu. Yds.
7x5	2	70	12									50-3/8 153.80	1.1026
	3	105										61-4 232.80	1.6040
	4	140	16									71-1 311.88	2.1003
	5	175										82-6 390.88	2.5057
	6	210										93-2 461.80	3.0010
7x6	2	84	11									55-8 160.74	1.1681
	3	126										66-3 242.02	1.6700
	4	168	16									76-10 323.20	2.1920
	5	210										87-5 404.57	2.7068
	6	252										98-1 427.66	3.2207
8x5	2	80	10									53-11 160.67	1.3287
	3	120										66-0 273.96	1.9228
	4	160	14									78-2 267.50	2.5170
	5	200										90-4 473.63	3.1111
	6	240										102-5 566.94	3.7055
8x6	2	96	9									58-2 184.68	1.3935
	3	144										70-10 279.33	2.0002
	4	192										83-0 273.98	2.9250
	5	240										95-2 481.64	3.2407
	6	288										107-3 576.20	3.8565



BILL OF REINFORCING STEEL FOR 60'-0" CULVERT																			
BARREL REINFORCEMENT										CURBS AND WINGS REINFORCEMENT									
OPENING	#C BARS A	#C BARS A ₁	#C BARS A ₂	#C BARS D	#C BARS C	#C BARS D	#C BARS E	#C BARS F	#C BARS F ₁	#C BARS F ₂	#C BARS F ₃	#C BARS J	#C BARS J ₁	#C BARS J ₂	#C BARS O	#C BARS P	#C BARS P ₁	#C BARS P ₂	#C BARS P ₃
SIZE	Nº	Nº	Nº	Nº	Nº	Nº	Nº	Nº	Nº	Nº	Nº	Nº	Nº	Nº	Nº	Nº	Nº	Nº	Nº
Feet	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length	Length
7x5	2	86	10	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	3	74	9	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	4	60	3	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	5	46	3	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	6	32	4	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
7x6	2	86	10	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	3	74	9	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	4	60	3	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	5	46	3	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	6	32	4	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
8x5	2	90	18	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	3	72	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	4	56	3	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	5	40	4	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	6	20	5	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
8x6	2	90	18	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	3	72	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	4	56	3	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	5	40	4	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
	6	20	5	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12

GENERAL NOTES:

CONSTRUCTION SPECIFICATIONS: Latest Approved La. Dept. of Hwy. Standard Specifications.

DESIGN SPECIFICATIONS: A.A.S.H.O. 1961 as amended by INT. SPECIFICATIONS 1964.

LIVE LOAD: HS 20-44 or Military; Whichever is Greater.

All Concrete to be Class "A".

All Exposed Corners to have 3/4" Chamfer, Unless Otherwise Noted.

Reinforcement Bars shall be Billet-Steel A.S.T.M. A615 or Rail-Steel A.S.T.M. A616 or A617.

Dimensions Relating to Reinforcing Steel are to Bar Centers.

A 1'-6" Square of Plastic Filter Cloth (See Qualified Products List) shall be placed in contact with concrete behind each Weep Hole, in addition to approx. 2 Cu. Ft. of Concrete Sand.

For Detail of Joints, See Std. Plan C.M.-49.

STANDARD PLAN

MULTIPLE OPENINGS

REINFORCED CONCRETE BOX CULVERT

STRAIGHT WINGS

2:1 SPILL SLOPE NORMAL TO CHANNEL

7'x5' 7'x6' 8'x5' 8'x6'

DATE: JANUARY 20, 1966

STATE OF LOUISIANA

DEPARTMENT OF HIGHWAYS

DESIGNED: W.E.M. CHECKED: N.K.B. DETAILED: EARL MARTEL CHECKED: W.E. MARCUM TRACED: T. WILLIAMS

W.E.M. W.T.J. W.E.M. W.E.M.

DATE DESCRIPTION BY

REVISIONS

IN CHARGE OF