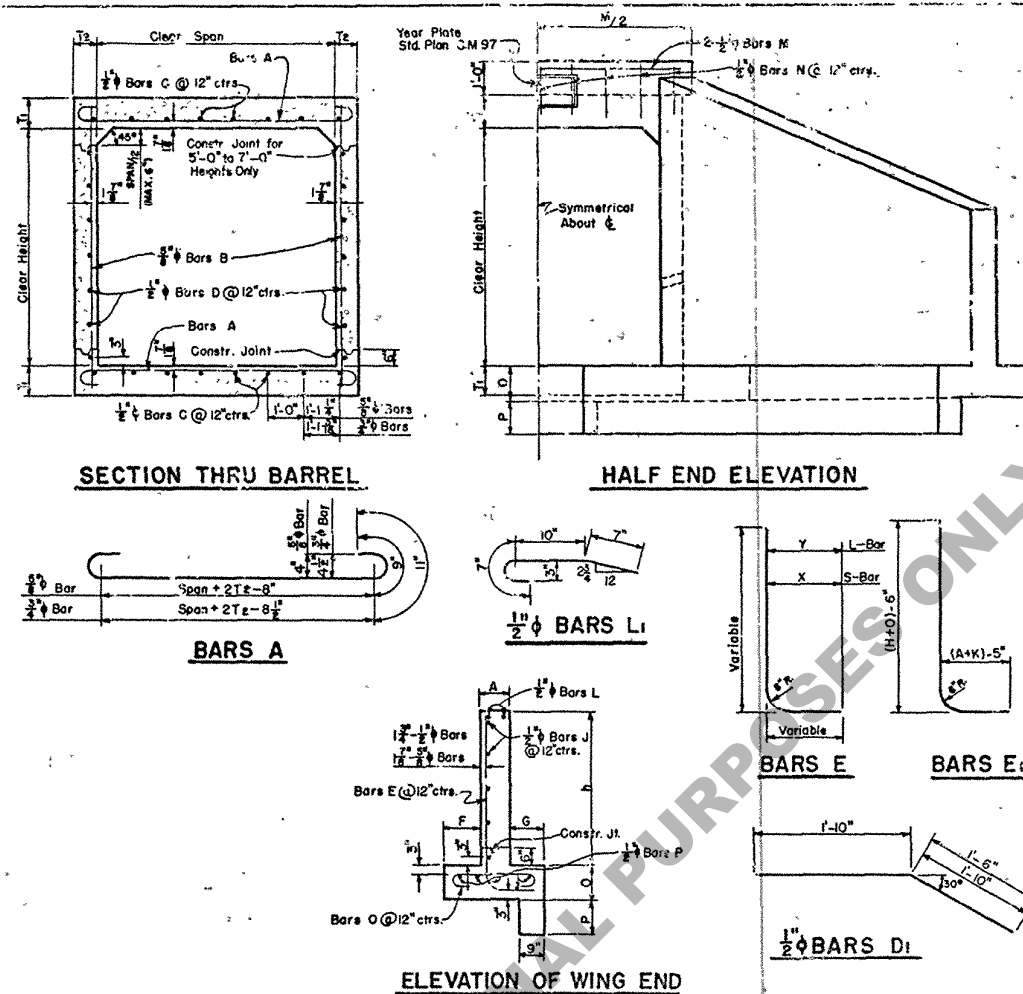
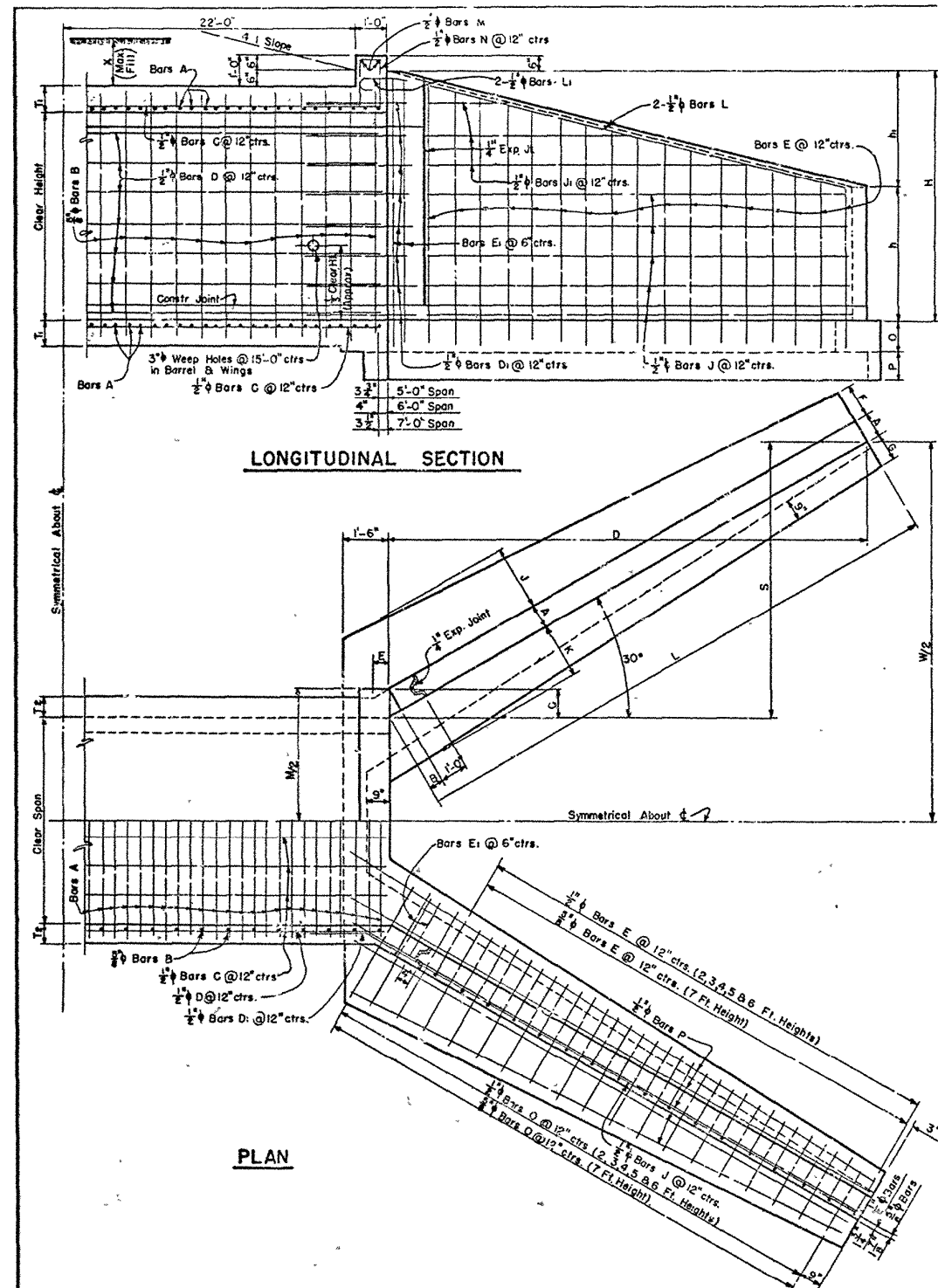
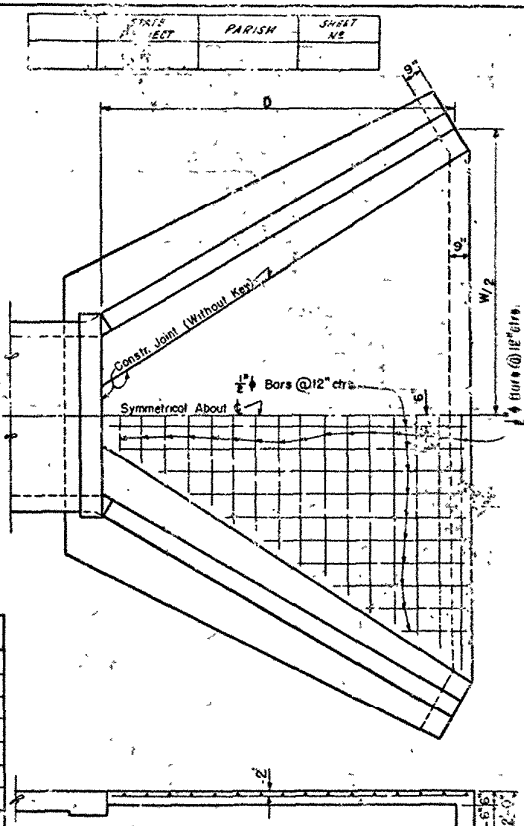




OPENINGS		ADDITIONAL QUANTITIES IF APRONS (2 USED)		NET	
FEET	FEET	CONCRETE CU. YDS.	STEEL LBS.	CONCRETE CU. YDS.	STEEL LBS.
2	2.78	109	130	148	109
3	3.70	160	158	212	160
4	4.70	218	186	284	218
5	5.85	284	170	415	284
6	6.45	317	1.77	4.66	317
7	7.10	361	1.92	5.18	361
8	8.52	444	2.08	6.44	444
9	9.97	534	2.30	7.67	534



OPENINGS		BARREL		WINGS & CURBS		QUANTITIES		OPENINGS	
FEET	FEET	FEET	FEET	FEET	FEET	PER LIN. FT. BARREL	FOR 44'-0" CULVERT	FEET	FEET
2	10	24	99	9	6 1/2	57.97	0.4246	3067	24.78
3	15	24	52	9	6 1/2	62.09	0.4648	3398	28.92
4	20	24	30	9	6 1/2	66.22	0.5049	3752	33.54
5	25	24	20	9	6 1/2	70.32	0.5450	4155	41.93
6	30	20	63	9 1/2	7	76.72	0.5592	4073	33.51
7	35	20	38	9 1/2	7	81.19	0.6024	4444	38.27
8	40	20	25	9 1/2	7	85.65	0.6456	4869	46.95
9	45	20	17	9 1/2	7	90.12	0.6888	5294	53.91
10	50	19	36	10 1/2	8	97.78	0.7469	5255	45.24
11	55	19	23	10 1/2	8	101.62	0.7963	5665	54.28
12	60	18	17	10 1/2	8	105.48	0.8457	6086	61.57
13	65	18	10	10 1/2	8	109.30	0.8951	6906	69.42

OPENINGS		BARREL REINFORCEMENT		WINGS & CURBS REINFORCEMENT		OPENINGS	
FEET	FEET	SIZE	NO.	SIZE	NO.	FEET	FEET
2	10	24	99	9	6 1/2	57.97	0.4246
3	15	24	52	9	6 1/2	62.09	0.4648
4	20	24	30	9	6 1/2	66.22	0.5049
5	25	24	20	9	6 1/2	70.32	0.5450
6	30	20	63	9 1/2	7	76.72	0.5592
7	35	20	38	9 1/2	7	81.19	0.6024
8	40	20	25	9 1/2	7	85.65	0.6456
9	45	20	17	9 1/2	7	90.12	0.6888
10	50	19	36	10 1/2	8	97.78	0.7469
11	55	19	23	10 1/2	8	101.62	0.7963
12	60	18	17	10 1/2	8	105.48	0.8457
13	65	18	10	10 1/2	8	109.30	0.8951

GENERAL NOTES

Construction Specifications, Latest Approved L.A. Dept. of Hwys. Standard Specs.
Design Specifications: A.H.S.O., 1953, as amended to Dec 31, 1955.
Live Load H20: S16-44 (Modified).
All concrete to be Class A.
All exposed corners to be chamfered 3" unless otherwise noted.
Reinforcement shall be Intermediate or Hard Grade, A.S.T.M. A15, of Rail Steel ASTM A16 conforming to ASTM A305.
Dimensions relating to Reinforcing Steel are to bar centers.
Place 2" cu ft of large size Gravel & 1" size Rock behind & around each Weep-Hole.
When Culvert is located at a site subject to scour, the Toe Walls shall be made deeper or Rip Rap placed around face of Toe Walls to prevent scour.
For details of Expansion & Construction Joints, see Std Plan CM-49.

STANDARD PLAN
REINFORCED CONCRETE BOX CULVERTS
5 FT. TO 7 FT. CLEAR SPAN
2 FT. TO 7 FT. CLEAR HEIGHT
4" SLOPE

DESIGNED: Huey
CHECKED: Nasco
DATE: 12-3-58
REVISIONS: 12-3-57
DESIGN: 12-3-57
BAR TABLE: 12-3-57
JAN. 45
DATE: 12-3-57

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS

BRIDGE DESIGN SECTION