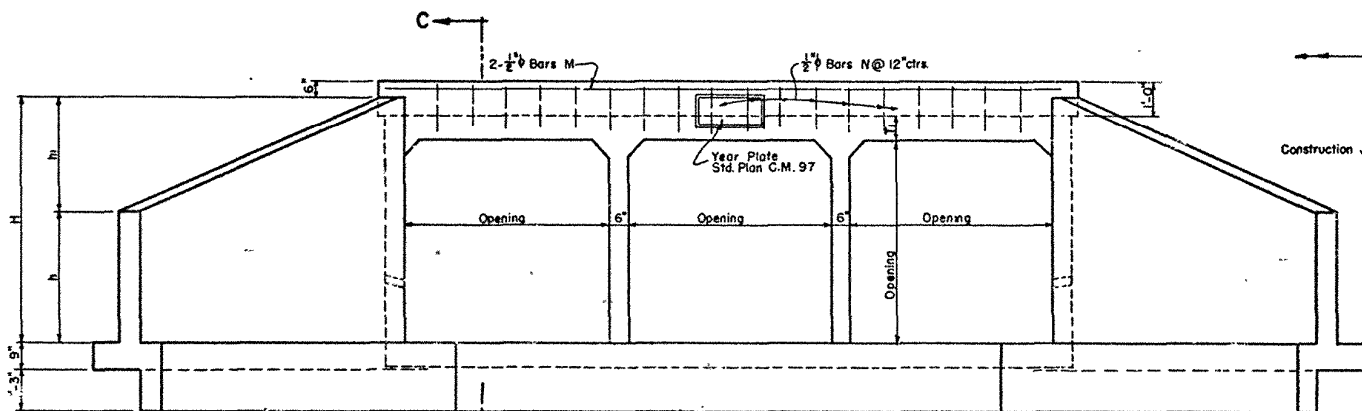


[illegible]

Structural drawing of a bridge deck showing reinforcement details. The drawing includes a plan view at the top and a cross-section view below. The plan view shows a 44'-0" culvert with a 4:1 slope and various reinforcement bars (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z) and dimensions. The cross-section view shows the vertical profile of the bridge deck with reinforcement bars (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z) and dimensions. A detailed view of a reinforcement bar connection is shown at the top right.

OPENINGS		DIMENSIONS																		QUANTITIES				OPENINGS			
		X MAX. FILL		BARREL		WINGS AND CURBS														PER LIN. FT. BARREL		FOR 44'-0" CULVERT					
SIZE FEET	N.O.	AREA SQ. FT.	SLAB WALL FEET/FEET	T ₁ IN.	A IN.	H IN.	D IN.	S IN.	L IN.	h IN.	m IN.	M IN.	W IN.	P IN.	Li IN.	C IN.	Cl IN.	F IN.	K IN.	J IN.	STEEL LBS.	CONCRETE CU. YDS.	STEEL LBS.	CONCRETE CU. YDS.	N.O.	SIZE FEET	
3 x 3	2	18	41	25	6 1/2	3	4-0 1/2	7-6	4-4	8-8	2-2	1-10 1/2	8-0 1/2	15-2	1 1/2	5 1/2	8-3 3/8	5 1/8	9	0-10	0-10	67.05	0.4722	3598	28.90	2	3 x 3
	3	27	41	25	6 1/2	3	4-0 1/2	7-6	4-4	8-8	2-2	1-10 1/2	11-6 1/2	18-8	1 1/8	5 1/2	8-3 3/8	5 1/8	9	0-10	0-10	100.03	0.6706	5156	38.56	3	
	4	36	41	25	6 1/2	3	4-0 1/2	7-6	4-4	8-8	2-2	1-10 1/2	15-0 1/2	22-2	1 1/8	5 1/2	8-3 3/8	5 1/8	9	0-10	0-10	133.01	0.8689	6708	48.23	4	
	5	45	41	25	6 1/2	3	4-0 1/2	7-6	4-4	8-8	2-2	1-10 1/2	18-6 1/2	25-8	1 1/8	5 1/2	8-3 3/8	5 1/8	9	0-10	0-10	165.99	1.0672	8267	57.87	5	
	6	54	41	25	6 1/2	3	4-0 1/2	7-6	4-4	8-8	2-2	1-10 1/2	22-0 1/2	29-2	1 1/8	5 1/2	8-3 3/8	5 1/8	9	0-10	0-10	198.97	1.2655	9819	67.52	6	
	4 x 4	2	32	28	21	7 1/2	4	5-1 1/2	9-6 1/2	5-6	11-0	2-9	2-4 1/2	10-0 1/2	19-6	1 1/2	5 1/2	10-7 3/8	5 1/8	9	0-10	1-6	91.70	0.6703	4920	41.24	
3		48	28	21	7 1/2	4	5-1 1/2	9-6 1/2	5-6	11-0	2-9	2-4 1/2	14-6 1/2	24-0	1 1/2	5 1/2	10-7 3/8	5 1/8	9	0-10	1-6	135.45	0.9568	6979	55.06	3	
4		64	28	21	7 1/2	4	5-1 1/2	9-6 1/2	5-6	11-0	2-9	2-4 1/2	19-0 1/2	28-6	1 1/8	5 1/2	10-7 3/8	5 1/8	9	0-10	1-6	179.20	1.2433	9031	68.92	4	
5		80	28	21	7 1/2	4	5-1 1/2	9-6 1/2	5-6	11-0	2-9	2-4 1/2	23-6 1/2	33-0	1 1/2	5 1/2	10-7 3/8	5 1/8	9	0-10	1-6	222.95	1.5298	11089	82.76	5	
6		96	28	21	7 1/2	4	5-1 1/2	9-6 1/2	5-6	11-0	2-9	2-4 1/2	28-0 1/2	37-6	1 1/2	5 1/2	10-7 3/8	5 1/8	9	0-10	1-6	266.70	1.8164	13142	86.61	6	
5 x 5		2	50	20	19	8	5	6-2	11-5 1/2	6-7 3/8	13-2 3/4	3-3 3/4	2-10 1/2	12-0 1/2	23-8 1/2	3 3/8	6 1/2	12-10 1/2	6 1/8	9	1-0	1-10	122.46	0.8586	6532	53.42	2
	3	75	20	19	8	5	6-2	11-5 1/2	6-7 3/8	13-2 3/4	3-3 3/4	2-10 1/2	17-6 1/2	29-2 1/2	3 3/8	6 1/2	12-10 1/2	6 1/8	9	1-0	1-10	180.13	1.2292	9235	71.27	3	
	4	100	20	19	8	5	6-2	11-5 1/2	6-7 3/8	13-2 3/4	3-3 3/4	2-10 1/2	23-0 1/2	34-8 1/2	3 3/8	6 1/2	12-10 1/2	6 1/8	9	1-0	1-10	237.80	1.5998	11932	89.12	4	
	5	125																									

Construction Specs. Latest Approved L. Hwy. Dept. Std. Specs.
Design Specifications: A.A.S.H.O. 1953 as Amended to Dec. 31, 1965.
Live Load: H20-S16-44 (Modified).
Dimensions to Reinforcing Steel are to Bar Centers.
All exposed Corners to be Chamfered $\frac{1}{4}$ " unless otherwise noted.
All Concrete to be Class A.
Place About 2 cu ft. of Large Size Gravel or Loose Rock behind & around each Weep Hole.
Reinforcement shall be Interior or Hard Grade A.S.T.M. A15 or Rail Steel A.S.T.M.
or conforming to A.S.T.M. A305.
For Details of Expansion & Construct in Joints, See Std. Plan C.M. 49.

3'x3'-4'x4'-5'x5'-6'x6'
4:1 SLOPE

DESIGNED	DETAILED Nasco	TRACED <i>Louis F. Jacob</i>
CHECKED Nasco	CHECKED Watkins	CHECKED <i>Latona</i>

BRIDGE DESIGN SECTION