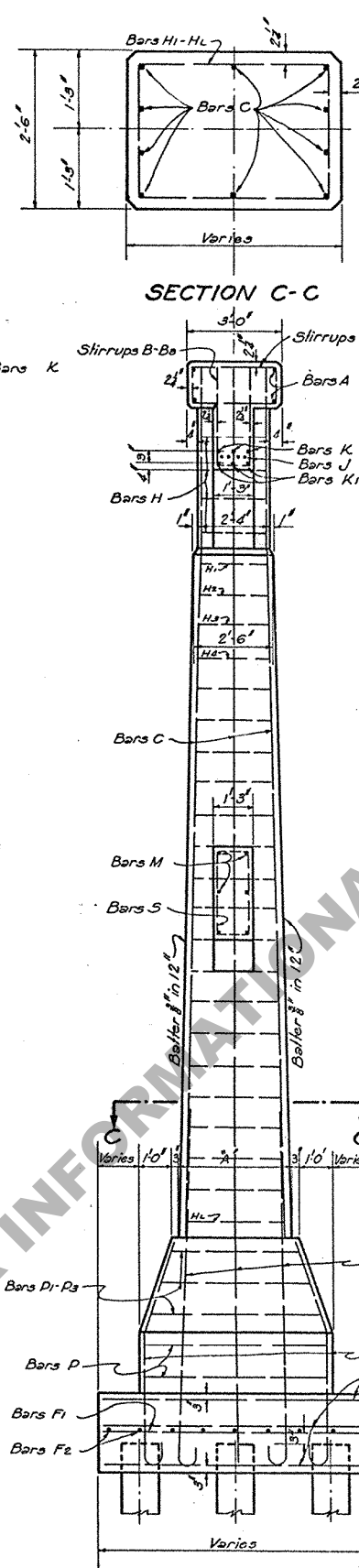
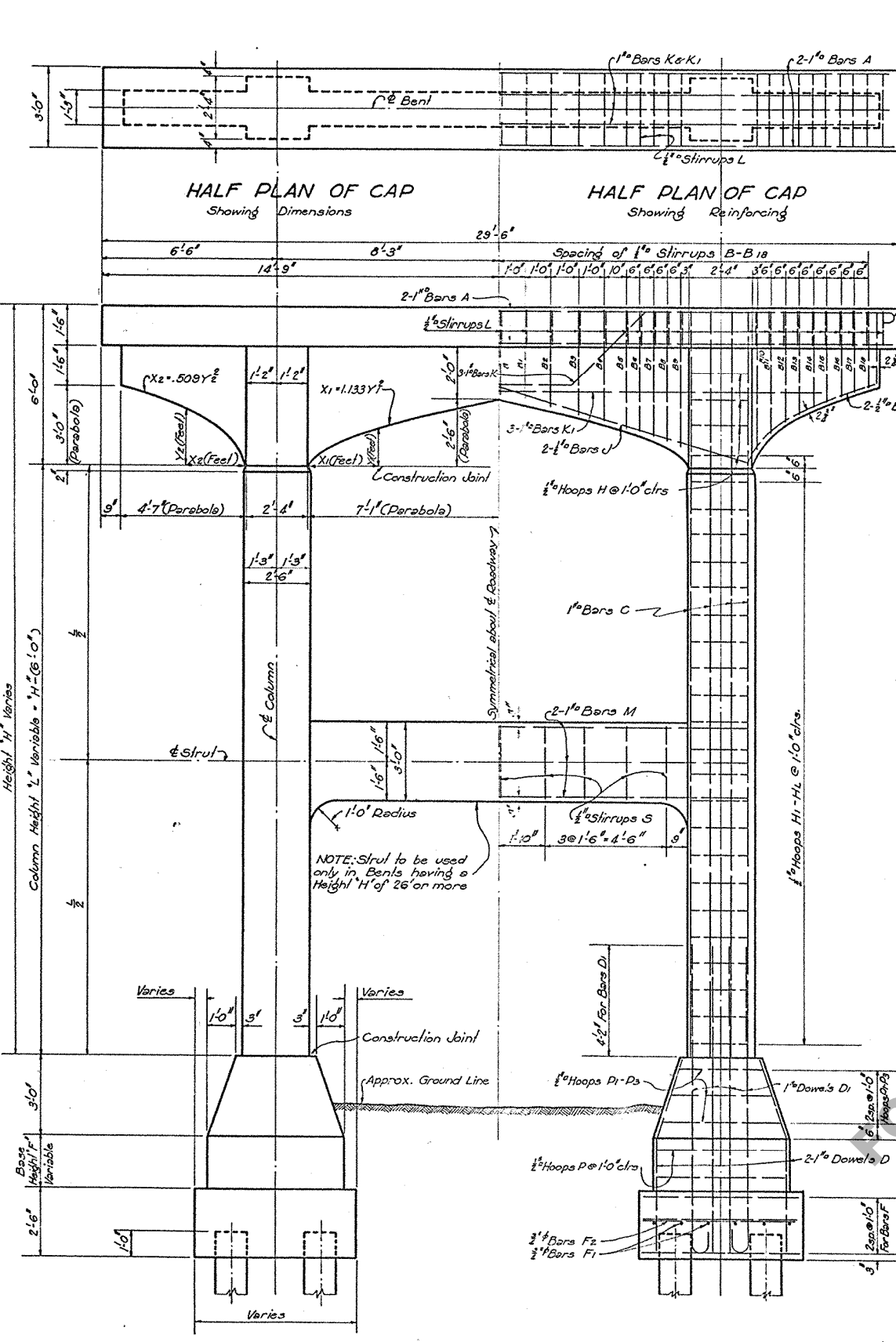




QUANTITIES AND DIMENSIONS FOR ONE BENT (CLASS "A" CONCRETE IS IN CUBIC YARDS AND REINFORCING IS IN POUNDS)

BENT HEIGHT	USING TWO 4 PILE FOOTINGS										USING TWO 6 PILE FOOTINGS										USING TWO 7, 8, OR 9 PILE FOOTINGS											
	F:0	F:1'-0"	F:2'-0"	F:3'-0"	F:4'-0"	F:5'-0"	F:6'-0"	F:7'-0"	F:8'-0"	F:9'-0"	F:10'-0"	F:11'-0"	F:12'-0"	F:13'-0"	F:14'-0"	F:15'-0"	F:16'-0"	F:17'-0"	F:18'-0"	F:19'-0"	F:20'-0"	F:21'-0"	F:22'-0"	F:23'-0"	F:24'-0"	F:25'-0"	F:26'-0"	F:27'-0"	F:28'-0"	F:29'-0"	F:30'-0"	
10'-0"	22.15	38.07	54.00	70.00	86.00	102.00	118.00	134.00	150.00	166.00	182.00	198.00	214.00	230.00	246.00	262.00	278.00	294.00	310.00	326.00	342.00	358.00	374.00	390.00	406.00	422.00	438.00	454.00	470.00	486.00	502.00	518.00
12'-0"	13.43	14.03	25.42	42.15	27.41	43.42	29.40	44.72	31.39	46.01	33.36	47.51	25.87	41.66	27.86	42.95	29.85	44.25	31.84	45.54	33.83	46.84	35.82	48.14	37.83	49.45	39.84	50.76	41.84	52.16	43.24	53.64
14'-0"	24.77	42.60	26.81	43.90	28.84	45.20	30.89	46.50	32.92	47.80	34.96	49.10	27.07	43.98	29.11	44.68	31.14	45.99	33.18	47.28	35.22	48.58	37.26	49.88	39.29	44.58	53.39	43.88	35.36	47.18	41.83	51.08
16'-0"	26.16	44.38	28.24	45.68	30.33	46.99	32.41	48.29	34.49	49.60	36.58	50.90	28.51	45.11	30.39	46.42	32.43	47.72	34.56	49.05	36.64	50.33	38.73	51.64	40.76	44.32	54.31	44.61	36.70	48.93	38.78	50.23
18'-0"	27.59	46.17	29.72	47.47	31.85	48.78	33.93	50.09	35.11	51.40	38.24	52.71	29.40	46.86	31.73	48.17	33.86	49.47	35.90	50.78	38.12	52.09	40.25	53.40	42.32	46.06	55.35	45.93	39.08	50.63	40.21	51.99
20'-0"	29.06	47.96	31.24	49.28	33.41	50.59	35.59	51.90	37.76	53.22	39.94	54.53	30.84	48.61	33.12	49.82	35.29	51.23	37.47	52.55	39.64	53.86	41.82	55.17	43.16	48.81	57.34	51.12	39.51	52.44	41.63	53.76
22'-0"	30.58	49.77	32.80	51.08	35.02	52.40	37.15	53.72	39.47	55.04	41.69	56.35	32.32	50.37	34.54	51.68	36.76	53.00	38.89	54.32	41.21	55.64	43.43	56.95	45.34	51.57	58.76	52.89	40.38	54.20	43.21	55.52
24'-0"	32.15	51.58	34.42	52.90	36.63	54.22	38.96	55.55	41.22	56.87	43.49	58.19	33.78	52.14	36.02	53.45	38.29	54.78	40.56	56.10	42.82	57.42	45.09	58.74	47.37	53.93	60.28	54.66	42.61	55.98	44.78	57.30
26'-0"	33.78	53.78	36.09	54.91	40.41	60.44	42.72	61.77	45.04	63.09	47.35	64.42	37.24	53.90	39.55	59.62	41.87	60.95	44.18	62.28	46.50	63.60	48.81	64.93	41.46	59.50	65.77	60.43	46.09	62.15	48.40	63.48
28'-0"	37.44	59.62	39.80	60.95	42.16	62.28	44.52	63.61	46.89	64.94	49.25	66.27	38.76	60.08	41.12	61.41	43.49	62.74	45.84	64.07	48.20	65.40	50.57	66.79	42.93	61.24	65.34	62.61	47.70	63.95	50.06	65.28
30'-0"	39.15	61.46	41.56	62.79	43.96	64.12	46.37	65.46	48.78	66.79	51.19	68.13	40.33	61.93	42.74	63.21	45.14	64.55	47.55	65.88	49.96	67.22	52.37	68.55	44.55	63.08	66.36	64.81	49.36	65.75	51.77	67.08
32'-0"	40.90	63.30	43.35	64.64	45.81	65.99	48.26	67.32	50.71	68.66	53.17	70.00	41.94	63.69	44.39	65.02	46.85	66.36	49.30	67.69	51.75	69.03	54.21	70.37	46.16	64.03	68.41	66.22	51.07	67.56	53.57	68.90
34'-0"	42.71	65.16	45.21	66.50	47.71	67.84	50.21	69.19	52.71	70.53	55.21	71.87	43.26	65.49	46.10	66.83	48.60	68.17	51.10	69.52	53.60	70.94	56.10	72.20	47.82	66.69	70.32	68.93	55.32	70.72	57.82	71.04
36'-0"	44.54	67.02	47.03	68.37	49.63	69.72	52.18	71.06	54.73	72.41	57.27	73.76	45.31	67.31	47.86	69.66	50.40	70.00	52.95	71.35	55.50	72.70	58.04	74.04	49.53	68.51	72.08	69.96	57.22	71.20	57.17	72.55
38'-0"	46.44	68.90	48.93	70.25	51.61	71.60	54.22	72.95	56.81	74.30	59.40	75.65	47.06	69.16	49.65	70.49	52.25	71.84	54.84	73.19	57.43	74.54	60.02	75.89	51.28	70.34	73.97	71.69	56.47	73.04	59.06	74.39
40'-0"	48.37	70.78	51.01	72.13	53.65	73.49	56.29	74.84	58.93	76.20	61.56	77.56	48.93	70.97	51.50	72.33	54.14	73.63	56.78	75.04	59.42	76.39	62.05	77.75	53.03	72.11	75.72	73.53	59.86	74.98	61.00	76.24

4 PILE FOOTING

6 PILE FOOTING

7 PILE FOOTING

8 PILE FOOTING

9 PILE FOOTING

General Notes:

1. Concl. Specs.: Latest approved La. Hwy. Dept. Std. Specs.
2. Design Specs.: Louisiana Highway Commission 1940, LL-H-20.
3. Dimensions to Reinforcing Steel are to bar centers.
4. All exposed corners to have 18" Chamfer.
5. For estimating quantities 12" Piles are assumed, using 7 piles in 7, 8, & 9 Pile Footings.

STANDARD PLAN
REINFORCED CONCRETE COLUMN BENT
28 FT. ROADWAY CONC. OR TIMBER PILES
FOR C-G-1-20 (40' MAXIMUM SPAN)
FOR S-C-36-20 (50' MAXIMUM SPAN)

STATE OF LOUISIANA
DEPARTMENT OF HIGHWAYS
BATON ROUGE, LA. FEB. 1942

DESIGNED: Hucy
CHECKED: Hucy
IN CHARGE OF: Hucy

DATE: 1-1-42
REVISIONS: