



NOTE: THE REINFORCING STEEL QUANTITIES FOR THE CAP AND COLUMN ARE TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

NOTE: THE CONCRETE QUANTITIES FOR THE CAP AND COLUMN ARE TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

CAP

REINFORCING STEEL	BAR	LENGTH	SHAPE	138'-10		151'-4		163'-10		176'-4		188'-10		201'-4		213'-10		226'-4		243'-0		
				NO.	SIZE WEIGHT	NO.	SIZE WEIGHT	NO.	SIZE WEIGHT	NO.	SIZE WEIGHT	NO.	SIZE WEIGHT	NO.	SIZE WEIGHT	NO.	SIZE WEIGHT	NO.	SIZE WEIGHT	NO.	SIZE WEIGHT	NO.
a1	51'-8	8	9	1405	8	9	1405	8	10	1779	8	10	1779	8	10	1779	8	11	2196	8	11	2196
a2	51'-8	8	8	1104	8	9	1405	8	9	1405	8	9	1405	8	10	1779	8	10	1779	8	10	1779
6a3	51'-8	8	6	621	8	6	621	8	6	621	8	6	621	8	6	621	8	6	621	8	6	621
6a4	VARIES	6	6	350	6	6	350	6	6	350	6	6	350	6	6	350	6	6	350	6	6	350
8b1	27'-2	8	8	580	8	8	580	8	8	580	8	8	580	8	8	580	8	8	580	8	8	580
5c1	18'-2	26	5	493	26	5	493	26	5	493	26	5	493	26	5	493	26	5	493	26	5	493
5c2	VARIES	24	5	425	24	5	425	24	5	425	24	5	425	24	5	425	24	5	425	24	5	425
5c3	VARIES	40	5	586	40	5	586	40	5	586	40	5	586	40	5	586	40	5	586	40	5	586
5c4	7'-2	20	5	149	20	5	149	20	5	149	20	5	149	20	5	149	20	5	149	20	5	149
TOTAL (L.B.)				5713		6014		6388		6388		6388		6833		7250		7321		7738		7738
STRUCTURAL CONCRETE (CY)				40.9		40.9		40.9		40.9		40.9		40.9		40.9		40.9		40.9		40.9

COLUMN

H IN FEET	COLUMN HEIGHT	STRUCTURAL CONCRETE (CY)	REINFORCING STEEL												TOTAL WEIGHT (L.B.)
			d1 BAR			4e1 BAR			4e2 BAR						
			NO.	SIZE	LENGTH	WEIGHT	NO.	SIZE	LENGTH	WEIGHT	NO.		SIZE	LENGTH	
16	5'-6	12.4	50	10	9'-0	1936	12	4	13'-3	106	24	4	17'-3	277	2319
17	6'-6	14.7	50	10	10'-0	2152	14	4	13'-3	124	28	4	17'-3	323	2599
18	7'-6	17.0	50	10	11'-0	2367	16	4	13'-3	142	32	4	17'-3	369	2878
19	8'-6	19.2	50	10	12'-0	2582	18	4	13'-3	159	36	4	17'-3	415	3156
20	9'-6	21.5	50	10	13'-0	2797	20	4	13'-3	177	40	4	17'-3	461	3435
21	10'-6	23.7	50	10	14'-0	3012	22	4	13'-3	195	44	4	17'-3	507	3714
22	11'-6	26.0	50	10	15'-0	3227	24	4	13'-3	212	48	4	17'-3	553	3992
23	12'-6	28.3	50	10	16'-0	3442	26	4	13'-3	230	52	4	17'-3	599	4271
24	13'-6	30.5	50	10	17'-0	3658	28	4	13'-3	248	56	4	17'-3	645	4551
25	14'-0	31.7	50	10	17'-6	3765	30	4	13'-3	266	60	4	17'-3	691	4722
26	15'-0	33.9	50	10	18'-6	3980	32	4	13'-3	283	64	4	17'-3	737	5000
27	16'-0	36.2	50	10	19'-6	4195	34	4	13'-3	301	68	4	17'-3	784	5280
28	17'-0	38.5	50	10	20'-6	4411	36	4	13'-3	319	72	4	17'-3	830	5560
29	18'-0	40.7	50	10	21'-6	4626	38	4	13'-3	336	76	4	17'-3	876	5838
30	19'-0	43.0	50	10	22'-6	4841	40	4	13'-3	354	80	4	17'-3	922	6117
31	20'-0	45.2	50	10	23'-6	5056	42	4	13'-3	372	84	4	17'-3	968	6396
32	21'-0	47.5	50	10	24'-6	5271	44	4	13'-3	389	88	4	17'-3	1014	6674
33	22'-0	49.8	50	10	25'-6	5486	46	4	13'-3	407	92	4	17'-3	1060	6953
34	23'-0	52.0	50	10	26'-6	5701	48	4	13'-3	425	96	4	17'-3	1106	7232
35	24'-0	54.3	50	10	27'-6	5917	50	4	13'-3	443	100	4	17'-3	1152	7512
36	25'-0	56.5	50	10	28'-6	6132	52	4	13'-3	460	104	4	17'-3	1198	7790
37	26'-0	58.8	50	10	29'-6	6347	54	4	13'-3	478	108	4	17'-3	1244	8069
38	27'-0	61.1	50	10	30'-6	6562	56	4	13'-3	496	112	4	17'-3	1291	8349
39	28'-0	63.3	50	10	31'-6	6777	58	4	13'-3	513	116	4	17'-3	1337	8627
40	29'-0	65.6	50	10	32'-6	6992	60	4	13'-3	531	120	4	17'-3	1383	8906

SEE SHEET H44-24-14 FOR STEP REINFORCING STEEL QUANTITIES AND DETAILS.

LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 44' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES SEPTEMBER, 2014
TEE PIER CAP AND COLUMN 30° SKEW		H44-67-14