



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

ABUT. BEARINGS		138'-10		151'-4		163'-10		176'-4		188'-10		201'-4		213'-10		226'-4		243'-0				
BAR	LENGTH	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT			
a1	47'-8	8	8	1018	8	8	1018	8	9	1297	8	9	1297	8	10	1641	8	10	1641	8	10	1641
a2	47'-8	8	8	1018	8	8	1018	8	8	1018	8	9	1297	8	9	1297	8	9	1297	8	10	1641
6a3	47'-8	6	6	430	6	6	430	6	6	430	6	6	430	6	6	430	6	6	430	6	6	430
6a4	VARIES	6	6	342	6	6	342	6	6	342	6	6	342	6	6	342	6	6	342	6	6	342
8b1	25'-3	8	8	539	8	8	539	8	8	539	8	8	539	8	8	539	8	8	539	8	8	539
5c1	17'-8	24	5	442	24	5	442	24	5	442	24	5	442	24	5	442	24	5	442	24	5	442
5c2	VARIES	20	5	349	20	5	349	20	5	349	20	5	349	20	5	349	24	5	418	24	5	418
5c3	VARIES	40	5	563	40	5	563	40	5	563	40	5	563	40	5	563	40	5	563	40	5	563
5c4	6'-11	18	5	130	18	5	130	18	5	130	18	5	130	18	5	130	18	5	130	18	5	130
TOTAL (LB.)		4831		4831		5110		5110		5389		5733		5802		6146		6146				
STRUCTURAL CONCRETE (CY)		35.8		35.8		35.8		35.8		35.8		35.8		35.8		35.8		35.8				

COLUMN

H IN FEET	COLUMN HEIGHT	STRUCTURAL CONCRETE (CY)	REINFORCING STEEL												TOTAL WEIGHT (LB.)							
			d1 BAR			4e1 BAR			4e2 BAR			4e3 BAR										
			NO.	SIZE	LENGTH	WEIGHT	NO.	SIZE	LENGTH	WEIGHT	NO.	SIZE	LENGTH	WEIGHT	NO.	SIZE	LENGTH	WEIGHT	NO.	SIZE	LENGTH	WEIGHT
16	5'-9	12.4	48	10	9'-3	1911	12	4	13'-5	108	12	4	17'-0	136	12	4	15'-3	122	2277			
17	6'-9	14.5	48	10	10'-3	2117	14	4	13'-5	125	14	4	17'-0	159	14	4	15'-3	143	2544			
18	7'-9	16.7	48	10	11'-3	2324	16	4	13'-5	143	16	4	17'-0	182	16	4	15'-3	163	2812			
19	8'-9	18.8	48	10	12'-3	2530	18	4	13'-5	161	18	4	17'-0	204	18	4	15'-3	183	3078			
20	9'-9	21.0	48	10	13'-3	2737	20	4	13'-5	179	20	4	17'-0	227	20	4	15'-3	204	3347			
21	10'-9	23.1	48	10	14'-3	2943	22	4	13'-5	197	22	4	17'-0	250	22	4	15'-3	224	3614			
22	11'-9	25.3	48	10	15'-3	3150	24	4	13'-5	215	24	4	17'-0	273	24	4	15'-3	244	3882			
23	12'-9	27.4	48	10	16'-3	3356	26	4	13'-5	233	26	4	17'-0	295	26	4	15'-3	265	4149			
24	13'-9	29.6	48	10	17'-3	3563	28	4	13'-5	251	28	4	17'-0	318	28	4	15'-3	285	4417			
25	14'-3	30.6	48	10	17'-9	3666	30	4	13'-5	269	30	4	17'-0	341	30	4	15'-3	306	4582			
26	15'-3	32.8	48	10	18'-9	3873	32	4	13'-5	287	32	4	17'-0	363	32	4	15'-3	326	4849			
27	16'-3	34.9	48	10	19'-9	4079	34	4	13'-5	305	34	4	17'-0	386	34	4	15'-3	346	5116			
28	17'-3	37.1	48	10	20'-9	4286	36	4	13'-5	323	36	4	17'-0	409	36	4	15'-3	367	5385			
29	18'-3	39.3	48	10	21'-9	4492	38	4	13'-5	341	38	4	17'-0	432	38	4	15'-3	387	5652			
30	19'-3	41.4	48	10	22'-9	4699	40	4	13'-5	358	40	4	17'-0	454	40	4	15'-3	407	5918			
31	20'-3	43.6	48	10	23'-9	4905	42	4	13'-5	376	42	4	17'-0	477	42	4	15'-3	428	6186			
32	21'-3	45.7	48	10	24'-9	5112	44	4	13'-5	394	44	4	17'-0	500	44	4	15'-3	448	6454			
33	22'-3	47.9	48	10	25'-9	5319	46	4	13'-5	412	46	4	17'-0	522	46	4	15'-3	469	6722			
34	23'-3	50.0	48	10	26'-9	5525	48	4	13'-5	430	48	4	17'-0	545	48	4	15'-3	489	6989			
35	24'-3	52.2	48	10	27'-9	5732	50	4	13'-5	448	50	4	17'-0	568	50	4	15'-3	509	7257			
36	25'-3	54.3	48	10	28'-9	5938	52	4	13'-5	466	52	4	17'-0	591	52	4	15'-3	530	7525			
37	26'-3	56.5	48	10	29'-9	6145	54	4	13'-5	484	54	4	17'-0	613	54	4	15'-3	550	7792			
38	27'-3	58.6	48	10	30'-9	6351	56	4	13'-5	502	56	4	17'-0	636	56	4	15'-3	570	8059			
39	28'-3	60.8	48	10	31'-9	6558	58	4	13'-5	520	58	4	17'-0	659	58	4	15'-3	591	8328			
40	29'-3	62.9	48	10	32'-9	6764	60	4	13'-5	538	60	4	17'-0	681	60	4	15'-3	611	8594			

① SEE SHEET H40-24-14 FOR STEP REINFORCING STEEL QUANTITIES AND DETAILS.

LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES SEPTEMBER, 2014
TEE PIER CAP AND COLUMN 30° SKEW		H40-74-14