



CAP

REINFORCING STEEL	ABUT. BEARINGS		138'-10"		151'-4"		163'-10"		176'-4"		188'-10"		201'-4"		213'-10"		226'-4"		243'-0"			
	BAR LENGTH	SHAPE	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT		
8b1	40'-8"	8	9	830	6	9	830	6	10	1050	6	10	1050	6	11	1296	6	11	1296	6	11	1296
5c1	16'-2"	26	5	438	26	5	438	26	5	438	26	5	438	26	5	438	26	5	438	26	5	438
5c2	VARIES	16	5	255	16	5	255	16	5	255	16	5	255	16	5	255	16	5	255	16	5	255
5c3	VARIES	36	5	474	36	5	474	36	5	474	36	5	474	36	5	474	36	5	474	36	5	474
5c4	6'-5"	16	5	107	16	5	107	16	5	107	16	5	107	16	5	107	16	5	107	16	5	107
5ml	2'-8"	8	5	22	8	5	22	8	5	22	8	5	22	8	5	22	8	5	22	8	5	22
TOTAL (L.B.)			4012		4012		4232		4296		4516		4762		4890		5136		5189			
STRUCTURAL CONCRETE (CY)			24.3		24.3		24.3		24.3		24.3		24.3		24.3		24.3		24.3			

COLUMN

H IN FEET	COLUMN HEIGHT	STRUCTURAL CONCRETE (CY)	REINFORCING STEEL												TOTAL WEIGHT (L.B.)
			dl BAR				4e1 BAR				4e2 BAR				
			NO.	SIZE	LENGTH	WEIGHT	NO.	SIZE	LENGTH	WEIGHT	NO.	SIZE	LENGTH	WEIGHT	
16	6'-3"	9.5	44	9	9'-0"	1346	14	4	11'-9"	110	28	4	13'-10"	259	1715
17	7'-3"	11.1	44	9	10'-0"	1496	16	4	11'-9"	126	32	4	13'-10"	296	1918
18	8'-3"	12.6	44	9	11'-0"	1646	18	4	11'-9"	141	36	4	13'-10"	333	2120
19	9'-3"	14.1	44	9	12'-0"	1795	20	4	11'-9"	157	40	4	13'-10"	370	2322
20	10'-3"	15.6	44	9	13'-0"	1945	22	4	11'-9"	173	44	4	13'-10"	407	2525
21	11'-3"	17.1	44	9	14'-0"	2094	24	4	11'-9"	188	48	4	13'-10"	444	2726
22	12'-3"	18.7	44	9	15'-0"	2244	26	4	11'-9"	204	52	4	13'-10"	481	2929
23	13'-3"	20.2	44	9	16'-0"	2394	28	4	11'-9"	220	56	4	13'-10"	517	3131
24	14'-3"	21.7	44	9	17'-0"	2543	30	4	11'-9"	235	60	4	13'-10"	554	3332
25	14'-9"	22.5	44	9	17'-6"	2618	30	4	11'-9"	235	60	4	13'-10"	554	3407
26	15'-9"	24.0	44	9	18'-6"	2768	32	4	11'-9"	251	64	4	13'-10"	591	3610
27	16'-9"	25.5	44	9	19'-6"	2917	34	4	11'-9"	267	68	4	13'-10"	628	3812
28	17'-9"	27.1	44	9	20'-6"	3067	36	4	11'-9"	283	72	4	13'-10"	665	4015
29	18'-9"	28.6	44	9	21'-6"	3216	38	4	11'-9"	298	76	4	13'-10"	702	4216
30	19'-9"	30.1	44	9	22'-6"	3366	40	4	11'-9"	314	80	4	13'-10"	739	4419
31	20'-9"	31.6	44	9	23'-6"	3516	42	4	11'-9"	330	84	4	13'-10"	776	4622
32	21'-9"	33.2	44	9	24'-6"	3665	44	4	11'-9"	345	88	4	13'-10"	813	4823
33	22'-9"	34.7	44	9	25'-6"	3815	46	4	11'-9"	361	92	4	13'-10"	850	5026
34	23'-9"	36.2	44	9	26'-6"	3964	48	4	11'-9"	377	96	4	13'-10"	887	5228
35	24'-9"	37.7	44	9	27'-6"	4114	50	4	11'-9"	392	100	4	13'-10"	924	5430
36	25'-9"	39.3	44	9	28'-6"	4264	52	4	11'-9"	408	104	4	13'-10"	961	5633
37	26'-9"	40.8	44	9	29'-6"	4413	54	4	11'-9"	424	108	4	13'-10"	998	5835
38	27'-9"	42.3	44	9	30'-6"	4563	56	4	11'-9"	440	112	4	13'-10"	1035	6038
39	28'-9"	43.8	44	9	31'-6"	4712	58	4	11'-9"	455	116	4	13'-10"	1072	6239
40	29'-9"	45.4	44	9	32'-6"	4862	60	4	11'-9"	471	120	4	13'-10"	1109	6442

REVISED 01-10 - MOVED PIER NOTES TO H40-57-06 STANDARD.

01-10 LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 Iowa Department of Transportation Highway Division STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES AUGUST, 2009
TEE PIER CAP AND COLUMN 0° SKEW		H40-58-06