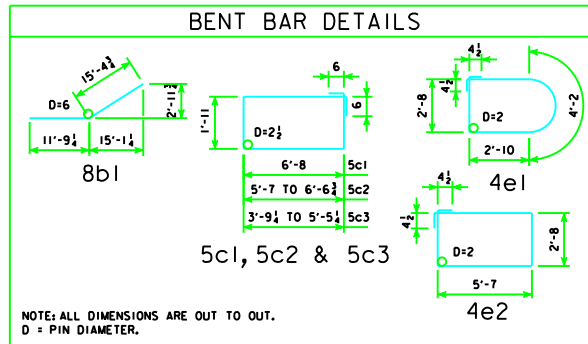




CAP																													
REINFORCING STEEL	C - 5 ABUT. BEARINGS		138'-10			151'-4			163'-10			176'-4			188'-10			201'-4			213'-10			226'-4			243'-0		
	BAR	LENGTH	SHAPE	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT		
	a1	51'-8		8	9	1405	8	9	1405	8	9	1405	8	10	1779	8	10	1779	8	11	2196	8	11	2196	8	11	2196		
	a2	51'-8		8	9	1405	8	9	1405	8	9	1405	8	9	1405	8	10	1779	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	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	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	8	8	580		
	5c1	18'-2		32	5	606	32	5	606	32	5	606	32	5	606	32	5	606	32	5	606	32	5	606	32	5	606		
	5c2	VARIES		20	5	354	20	5	354	20	5	354	20	5	354	20	5	354	20	5	354	20	5	354	20	5	354		
	5c3	VARIES		28	5	410	28	5	410	28	5	410	28	5	410	28	5	410	28	5	410	28	5	410	28	5	410		
①	TOTAL (L.B.)		5731			5731			5731			6105			6247			6621			7038			7109			7109		
STRUCTURAL CONCRETE (CY)			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												
			d1 BAR 				4e1 BAR 				4e2 BAR 				TOTAL WEIGHT (L.B.)
			NO.	SIZE	LENGTH	WEIGHT	NO.	SIZE	LENGTH	WEIGHT	NO.	SIZE	LENGTH	WEIGHT	
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

PIER NOTES:

SEE "TEE PIER NOTES" ON H44-01-07 FOR NOTES REGARDING APPLICATION OF THESE PIER STANDARDS.

MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR SHALL BE 2 INCHES UNLESS OTHERWISE NOTED OR SHOWN.

ELIMINATE 2x8 BEVELED KEYWAY ON TOP OF CAP FOR EXPANSION PIERS.

SEE SHEET H44-22-07 FOR "U" DIMENSION.

① SEE SHEET H44-24-07 FOR STEP REINFORCING STEEL QUANTITIES AND DETAILS.

LATEST REVISION DATE APPROVED BY BRIDGE ENGINEER 	 Iowa Department of Transportation Highway Division	
	STANDARD DESIGN - 44' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES	
	HL93 SUPERSTRUCTURE MARCH, 2007	HS25 SUBSTRUCTURE
	TEE PIER CAP AND COLUMN 30° SKEW	
		H44-57-07