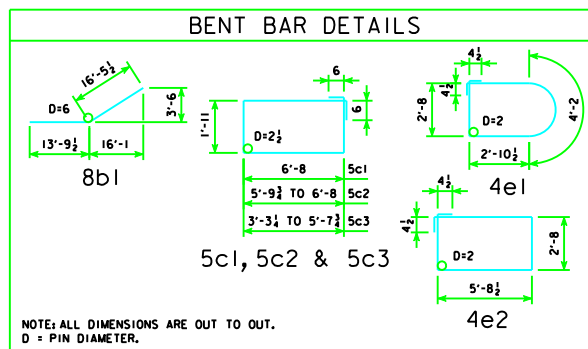




CAP																					
REINFORCING STEEL	ABUT. BEARINGS		138'-10		151'-4		163'-10		176'-4		188'-10		201'-4		213'-10		226'-4		243'-0		
	BAR	LENGTH	SHAPE	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT
	a1	57'-8		8	9	1569	8	9	1569	8	9	1569	8	10	1985	8	10	1985	8	11	2451
	a2	57'-8		8	9	1569	8	9	1569	8	9	1569	8	10	1985	8	10	1985	8	10	1985
	6a3	57'-8		6	6	520	6	6	520	6	6	520	6	6	520	6	6	520	6	6	520
	6a4	VARIES		8	6	538	8	6	538	8	6	538	8	6	538	8	6	538	8	6	538
	8b1	30'-3		8	8	646	8	8	646	8	8	646	8	8	646	8	8	646	8	8	646
	5c1	18'-2		36	5	682	36	5	682	36	5	682	36	5	682	36	5	682	36	5	682
	5c2	VARIES		16	5	289	16	5	289	20	5	361	20	5	361	28	5	506	28	5	506
	5c3	VARIES		36	5	516	36	5	516	36	5	516	36	5	516	36	5	506	48	5	688
①	TOTAL (L.B.)		6329		6329		6401		6817		6817		7378		7550		8016		8016		
STRUCTURAL CONCRETE (CY)			44.9		44.9		44.9		44.9		44.9		44.9		44.9		44.9		44.9		

COLUMN															
REINFORCING STEEL															
H IN FEET	COLUMN HEIGHT	STRUCTURAL CONCRETE (CY)	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"	14.9	58	10	9'-0"	2246	12	4	13'-4"	107	30	4	17'-6"	351	2704
17	6'-6"	17.6	58	10	10'-0"	2496	14	4	13'-4"	125	35	4	17'-6"	409	3030
18	7'-6"	20.3	58	10	11'-0"	2745	16	4	13'-4"	143	40	4	17'-6"	468	3356
19	8'-6"	23.0	58	10	12'-0"	2995	18	4	13'-4"	160	45	4	17'-6"	526	3681
20	9'-6"	25.7	58	10	13'-0"	3244	20	4	13'-4"	178	50	4	17'-6"	585	4007
21	10'-6"	28.4	58	10	14'-0"	3494	22	4	13'-4"	196	55	4	17'-6"	643	4333
22	11'-6"	31.1	58	10	15'-0"	3744	24	4	13'-4"	214	60	4	17'-6"	701	4659
23	12'-6"	33.8	58	10	16'-0"	3993	26	4	13'-4"	232	65	4	17'-6"	760	4985
24	13'-6"	36.5	58	10	17'-0"	4243	28	4	13'-4"	249	70	4	17'-6"	818	5310
25	14'-0"	37.9	58	10	17'-6"	4368	30	4	13'-4"	267	75	4	17'-6"	877	5512
26	15'-0"	40.6	58	10	18'-6"	4617	32	4	13'-4"	285	80	4	17'-6"	935	5837
27	16'-0"	43.3	58	10	19'-6"	4867	34	4	13'-4"	303	85	4	17'-6"	994	6164
28	17'-0"	46.0	58	10	20'-6"	5116	36	4	13'-4"	321	90	4	17'-6"	1052	6489
29	18'-0"	48.7	58	10	21'-6"	5366	38	4	13'-4"	338	95	4	17'-6"	1111	6815
30	19'-0"	51.4	58	10	22'-6"	5615	40	4	13'-4"	356	100	4	17'-6"	1169	7140
31	20'-0"	54.1	58	10	23'-6"	5865	42	4	13'-4"	374	105	4	17'-6"	1227	7466
32	21'-0"	56.8	58	10	24'-6"	6115	44	4	13'-4"	392	110	4	17'-6"	1286	7793
33	22'-0"	59.5	58	10	25'-6"	6364	46	4	13'-4"	410	115	4	17'-6"	1344	8118
34	23'-0"	62.2	58	10	26'-6"	6614	48	4	13'-4"	428	120	4	17'-6"	1403	8445
35	24'-0"	64.9	58	10	27'-6"	6863	50	4	13'-4"	445	125	4	17'-6"	1461	8769
36	25'-0"	67.7	58	10	28'-6"	7113	52	4	13'-4"	463	130	4	17'-6"	1520	9096
37	26'-0"	70.4	58	10	29'-6"	7362	54	4	13'-4"	481	135	4	17'-6"	1578	9421
38	27'-0"	73.1	58	10	30'-6"	7612	56	4	13'-4"	499	140	4	17'-6"	1637	9748
39	28'-0"	75.8	58	10	31'-6"	7862	58	4	13'-4"	517	145	4	17'-6"	1695	10074
40	29'-0"	78.5	58	10	32'-6"	8111	60	4	13'-4"	534	150	4	17'-6"	1754	10399

PIER NOTES:

SEE "TEE PIER NOTES" ON H40-01-06 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 H40-29-06 FOR "U" DIMENSION.

① SEE SHEET H40-31-06 FOR STEP REINFORCING STEEL QUANTITIES AND DETAILS.

LATEST REVISION DATE APPROVED BY BRIDGE ENGINEER <i>Thomas E. McQuinn</i>		
	STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES	
	HL93 SUPERSTRUCTURE DECEMBER, 2006 HS25 SUBSTRUCTURE	
	TEE PIER CAP AND COLUMN 45° SKEW	
		H40-72-06