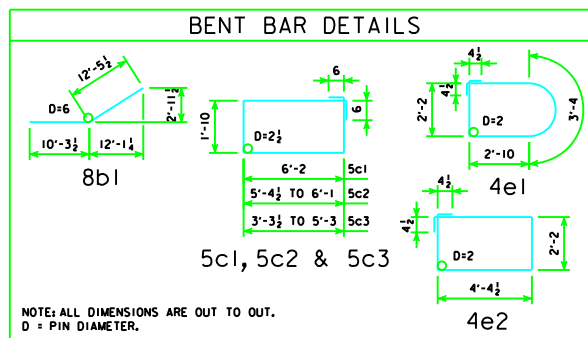




CAP																														
REINFORCING STEEL	ABUT. BEARINGS			138'-10			151'-4			163'-10			176'-4			188'-10			201'-4			213'-10			226'-4			243'-0		
	BAR	LENGTH	SHAPE	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT			
	a1	42'-8		6	9	870	6	9	870	6	10	1102	6	10	1102	6	10	1102	6	11	1360	6	11	1360	6	11	1360			
	a2	42'-8		6	9	870	6	9	870	6	9	870	6	9	870	6	9	870	6	10	1102	6	10	1102	6	10	1102			
	6a3	42'-8		6	6	385	6	6	385	6	6	385	6	6	385	6	6	385	6	6	385	6	6	385	6	6	385			
	6a4	VARIES		6	6	298	6	6	298	6	6	298	6	6	298	6	6	298	6	6	298	6	6	298	6	6	298			
	8b1	22'-9		8	8	486	8	8	486	8	8	486	8	8	486	8	8	486	8	8	486	8	8	486	8	8	486			
	5c1	17'-0		32	5	567	32	5	567	32	5	567	32	5	567	32	5	567	32	5	567	32	5	567	32	5	567			
	5c2	VARIES		16	5	269	16	5	269	16	5	269	16	5	269	16	5	269	20	5	336	20	5	336	20	5	336			
	5c3	VARIES		28	5	386	28	5	386	28	5	386	28	5	386	28	5	386	28	5	386	28	5	386	36	5	496			
①	TOTAL (L.B.)			4131			4131			4363			4363			4363			4662			4920			5030			5165		
STRUCTURAL CONCRETE (CY)				29.5			29.5			29.5			29.5			29.5			29.5			29.5			29.5			29.5		

COLUMN																												
REINFORCING STEEL																												
H IN FEET	COLUMN HEIGHT	STRUCTURAL CONCRETE (CY)	d1 BAR				4e1 BAR				4e2 BAR				TOTAL WEIGHT (LB.)													
			NO.	SIZE	LENGTH	WEIGHT	NO.	SIZE	LENGTH	WEIGHT	NO.	SIZE	LENGTH	WEIGHT														
16	6'-0"	9.7	46	9	8'-9"	1369	14	4	11'-11"	111	28	4	13'-10"	259	1739													
17	7'-0"	11.3	46	9	9'-9"	1525	16	4	11'-11"	127	32	4	13'-10"	296	1948													
18	8'-0"	12.9	46	9	10'-9"	1681	18	4	11'-11"	143	36	4	13'-10"	333	2157													
19	9'-0"	14.6	46	9	11'-9"	1838	20	4	11'-11"	159	40	4	13'-10"	370	2367													
20	10'-0"	16.2	46	9	12'-9"	1994	22	4	11'-11"	175	44	4	13'-10"	407	2576													
21	11'-0"	17.8	46	9	13'-9"	2151	24	4	11'-11"	191	48	4	13'-10"	444	2786													
22	12'-0"	19.4	46	9	14'-9"	2307	26	4	11'-11"	207	52	4	13'-10"	481	2995													
23	13'-0"	21.0	46	9	15'-9"	2463	28	4	11'-11"	223	56	4	13'-10"	517	3203													
24	14'-0"	22.6	46	9	16'-9"	2620	30	4	11'-11"	239	60	4	13'-10"	554	3413													
25	14'-6"	23.4	46	9	17'-3"	2698	30	4	11'-11"	239	60	4	13'-10"	554	3491													
26	15'-6"	25.1	46	9	18'-3"	2854	32	4	11'-11"	255	64	4	13'-10"	591	3700													
27	16'-6"	26.7	46	9	19'-3"	3011	34	4	11'-11"	271	68	4	13'-10"	628	3910													
28	17'-6"	28.3	46	9	20'-3"	3167	36	4	11'-11"	287	72	4	13'-10"	665	4119													
29	18'-6"	29.9	46	9	21'-3"	3324	38	4	11'-11"	302	76	4	13'-10"	702	4328													
30	19'-6"	31.5	46	9	22'-3"	3480	40	4	11'-11"	318	80	4	13'-10"	739	4537													
31	20'-6"	33.1	46	9	23'-3"	3636	42	4	11'-11"	334	84	4	13'-10"	776	4746													
32	21'-6"	34.8	46	9	24'-3"	3793	44	4	11'-11"	350	88	4	13'-10"	813	4956													
33	22'-6"	36.4	46	9	25'-3"	3949	46	4	11'-11"	366	92	4	13'-10"	850	5165													
34	23'-6"	38.0	46	9	26'-3"	4106	48	4	11'-11"	382	96	4	13'-10"	887	5375													
35	24'-6"	39.6	46	9	27'-3"	4262	50	4	11'-11"	398	100	4	13'-10"	924	5584													
36	25'-6"	41.2	46	9	28'-3"	4418	52	4	11'-11"	414	104	4	13'-10"	961	5793													
37	26'-6"	42.9	46	9	29'-3"	4575	54	4	11'-11"	430	108	4	13'-10"	998	6003													
38	27'-6"	44.5	46	9	30'-3"	4731	56	4	11'-11"	446	112	4	13'-10"	1035	6212													
39	28'-6"	46.1	46	9	31'-3"	4888	58	4	11'-11"	462	116	4	13'-10"	1072	6422													
40	29'-6"	47.7	46	9	32'-3"	5044	60	4	11'-11"	478	120	4	13'-10"	1109	6631													

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 H40-15-06 FOR "U" DIMENSION.

① SEE SHEET H40-17-06 FOR STEP REINFORCING STEEL QUANTITIES AND DETAILS.

LATEST REVISION DATE APPROVED BY BRIDGE ENGINEER <i>Norman E. McDaniel</i>		
	STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES	
	HL93 SUPERSTRUCTURE DECEMBER, 2006	HS25 SUBSTRUCTURE
	TEE PIER CAP AND COLUMN 15° SKEW	
		H40-60-06