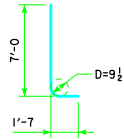
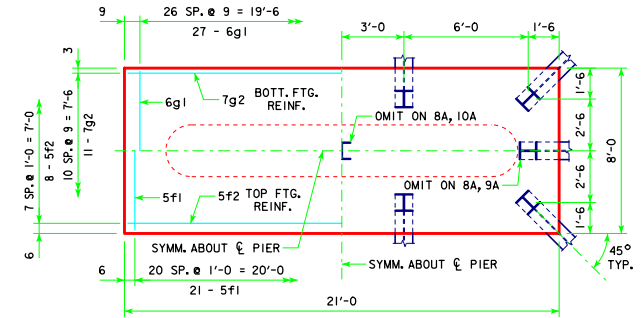


TYPICAL SECTION



d2

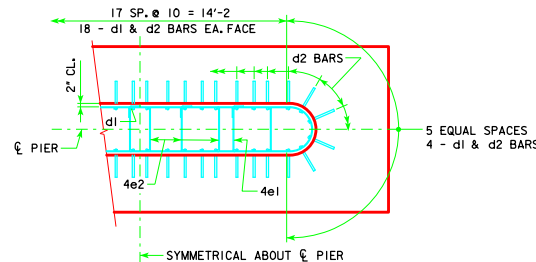
NOTE: D = PIN DIAMETER. DIMENSIONS ARE OUT TO OUT.



3'-6 x 8'-0 x 21'-0 FOR 8A, 9A & 10A

H IN FT.	CL - CL ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	① LRFD P _u STRENGTH I, DES. LOAD (KIPS)	
18	201'-4	8A	211	3'-6 x 8' x 21'
	213'-10	8A	219	
	226'-4	9A	212	
16	243'-0	10A	189	3'-6 x 8' x 21'
	201'-4	8A	217	
	213'-10	10A	182	
19	226'-4	10A	189	3'-6 x 8' x 21'
	243'-0	10A	196	
	201'-4	10A	182	
22	213'-10	10A	188	3'-6 x 8' x 21'
	226'-4	10A	195	
	243'-0	10A	202	

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)	WEIGHT (LB.)		
3'-6 x 8' x 21'	d2 44 - #9 AS SHOWN	8'-7	1284	2400	21.8	
	f1 21 - #5 @ 1'-0	7'-8	168			
	f2 8 - #5 @ 1'-0	20'-8	172			
	g1 27 - #6 @ 0'-9	7'-8	311			
	g2 11 - #7 @ 0'-9	20'-8	465			



d2 BAR LAYOUT

(SEE SECTION A-A ON SHEET H24-57-06.)

① NOTE: P_u, STRENGTH I DESIGN LOAD (KIPS) IS NOT THE VALUE USED IN THE FIELD FOR DRIVING PILES.

FOOTING NOTES:

THESE FOOTINGS ARE DESIGNED AND DETAILED TO BE USED WITH THE CAP AND COLUMN DETAILS OF THE TEE PIERS AS SHOWN ON SHEET H24-57-06.

BATTER PILES IN EXTERIOR ROWS 1+4 IN THE DIRECTION SHOWN.

STEEL PILING USED AS POINT BEARING SHALL HAVE A MINIMUM DISTANCE OF APPROXIMATELY 10 FEET FROM BOTTOM OF FOOTING TO TOP OF BEARING ROCK. THE PILE LAYOUTS ARE SUCH THAT THE DISTANCE CENTER TO CENTER OF ADJACENT PILING SHALL NOT EXCEED 8'-0.

PIER PILES SHALL BE DRIVEN TO VALUES SHOWN IN DESIGN PLANS.

05-13 LATEST REVISION DATE		PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES DECEMBER, 2006
	STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE	
	APPROVED BY BRIDGE ENGINEER <i>Thomas E. McQuill</i>	
TEE PIER-HP10x57 SRL-2 STEEL PILE FOOTINGS 15° SKEW - H=16' TO 24'		H24-60-06

REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.