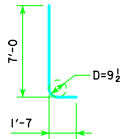


TYPICAL SECTION

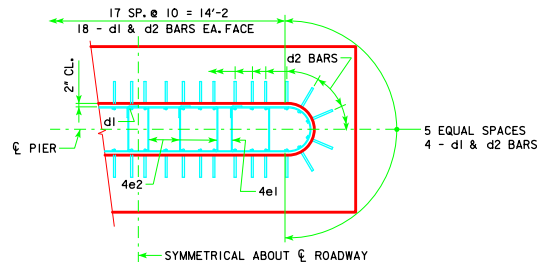


d2

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

H IN FT.	CL - CL ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	(1) LRFD P _u STRENGTH I ₁ DES. LOAD (KIPS)	
16 TO 18	201'-4	8A	207	3'-6 x 7' x 21'
	213'-10	8A	215	
	226'-4	9A	209	
18 TO 21	243'-0	9A	217	3'-6 x 8' x 21'
	201'-4	8B	210	
	213'-10	8B	218	
21 TO 24	226'-4	10A	184	3'-6 x 8' x 21'
	243'-0	10A	191	
	201'-4	10A	178	
24 TO 28	213'-10	10A	185	3'-6 x 8' x 21'
	226'-4	10A	192	
	243'-0	10A	199	

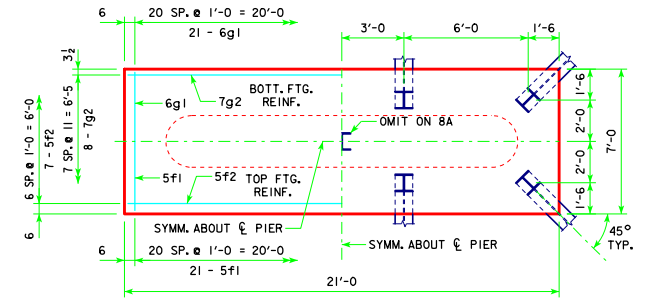
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)			TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
3'-6 x 7' x 21'	d2 44 - #9 AS SHOWN	8'-7	1284	2129	19.1
	f1 21 - #5 @ 1'-0	6'-8	146		
	f2 7 - #5 @ 1'-0	20'-8	151		
	g1 21 - #6 @ 1'-0	6'-8	210		
	g2 8 - #7 @ 0'-11	20'-8	338		
	3'-6 x 8' x 21'	d2 44 - #9 AS SHOWN	8'-7		
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		



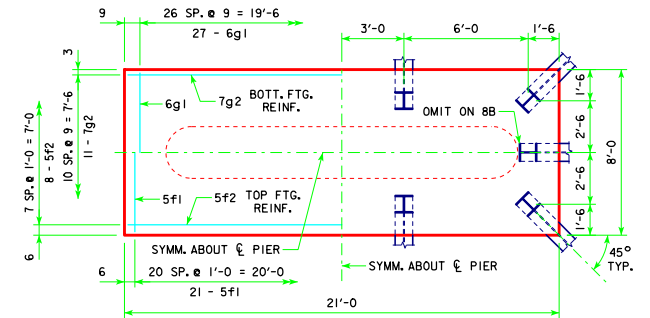
d2 BAR LAYOUT

(SEE SECTION A-A ON SHEET H24-50-06.)

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



3'-6 x 7'-0 x 21'-0 FOR 8A & 9A



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

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 H24-50-06.

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 <i>Thomas E. Mc Donald</i> APPROVED BY BRIDGE ENGINEER	
	STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES DECEMBER, 2006
	TEE PIER-HP10x57 SRL-2 STEEL PILE FOOTINGS 0° SKEW - H=16' TO 24'

H24-53-06

REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.