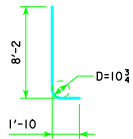
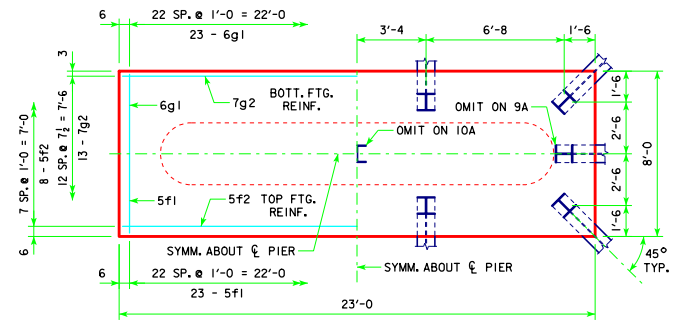


TYPICAL SECTION



d2

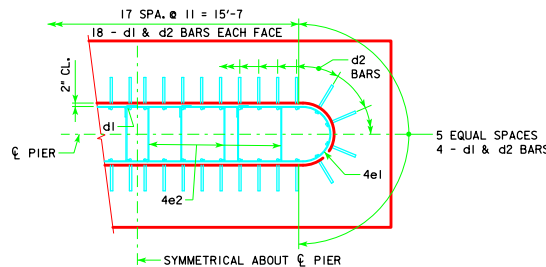
NOTE: D = PIN DIAMETER.
DIMENSIONS ARE OUT TO OUT.



3'-6 x 8'-0 x 23'-0 FOR 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	9A	203	3'-6 x 8' x 23'
	213'-10	9A	210	
	226'-4	9A	219	
	243'-0	10A	195	
19	201'-4	10A	182	3'-6 x 8' x 23'
	213'-10	10A	188	
	226'-4	10A	196	
	243'-0	10A	202	
20	201'-4	10A	189	3'-6 x 8' x 23'
	213'-10	10A	196	
	226'-4	10A	203	
	243'-0	10A	209	

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)			TOTAL WEIGHT (L.B.)	STRUCTURAL CONCRETE (CY)
	BAR NO., SIZE & SPACING	LENGTH	WEIGHT (L.B.)		
3'-6 x 8' x 23'	d2 44 - #10 AS SHOWN	10'-0	1893	3133	23.9
	f1 23 - #5 @ 1'-0	7'-8	184		
	f2 8 - #5 @ 1'-0	22'-8	189		
	g1 23 - #6 @ 1'-0	7'-8	265		
	g2 13 - #7 @ 0'-7 1/2	22'-8	602		



d2 BAR LAYOUT
(SEE SECTION A-A ON SHEET H24-64-06.)

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 H24-64-06.

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	 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 30° SKEW - H=16' TO 24'	H24-67-06

REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.