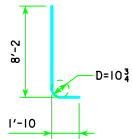


TYPICAL SECTION

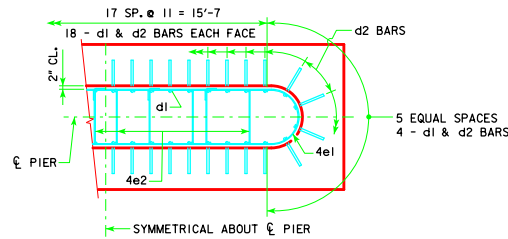


d2

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 _d DES. LOAD (KIPS)	
18 TO 16	201'-4	10A	215	3'-6 x 8' x 23'
	213'-10	11A	209	
	226'-4	11A	217	
	243'-0	12A	207	
21 TO 19	201'-4	11A	208	3'-6 x 8' x 23'
	213'-10	11A	216	
	226'-4	12A	207	
	243'-0	12A	214	
24 TO 24	201'-4	11B	212	3'-6 x 9' x 23'
	213'-10	11B	219	
	226'-4	12B	210	
	243'-0	12B	217	

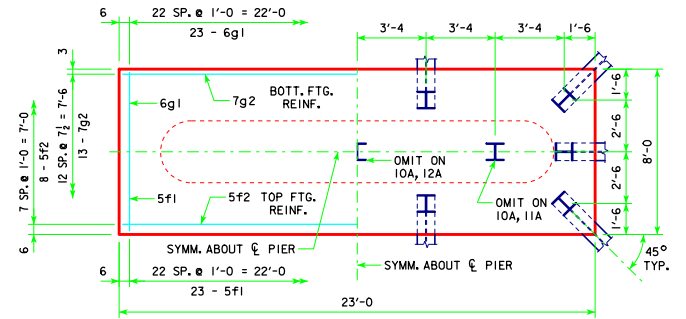
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)			TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
3'-6 x 8' x 23'	d2 44 - #10 AS SHOWN	10'-0	1893	3133	23.9
	f1 23 - #5 @ 1'-0	7'-8	184		
	f2 8 - #5 @ 1'-0	22'-8	189		
	g1 23 - #6 @ 1'-0	7'-8	265		
	g2 13 - #7 @ 0'-7 1/2	22'-8	602		
	d2 44 - #10 AS SHOWN	10'-0	1893		
3'-6 x 9' x 23'	f1 23 - #5 @ 1'-0	8'-8	208	3323	26.8
	f2 9 - #5 @ 1'-0	22'-8	213		
	g1 23 - #7 @ 1'-0	8'-8	407		
	g2 13 - #7 @ 0'-8 1/2	22'-8	602		



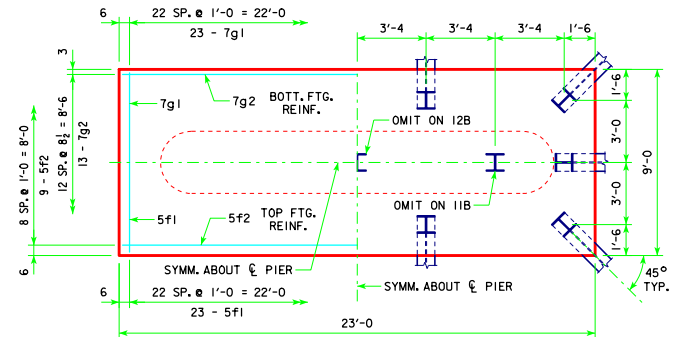
d2 LAYOUT

(SEE SECTION A-A ON SHEET H30-71-06.)

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



3'-6 x 8'-0 x 23'-0 FOR IOA, IIA & I2A



3'-6 x 9'-0 x 23'-0 FOR IIB & I2B

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 H30-57-06.

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.

04-13 LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER 		H30-74-06
		STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES DECEMBER, 2006	
		TEE PIER-HP10x57 SRL-2 STEEL PILE FOOTINGS 30° SKEW - H=16' to 24'	

REVISED 04-13 - REVISION FOR LRFD PILE DESIGN.