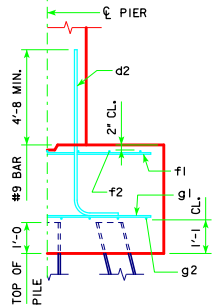


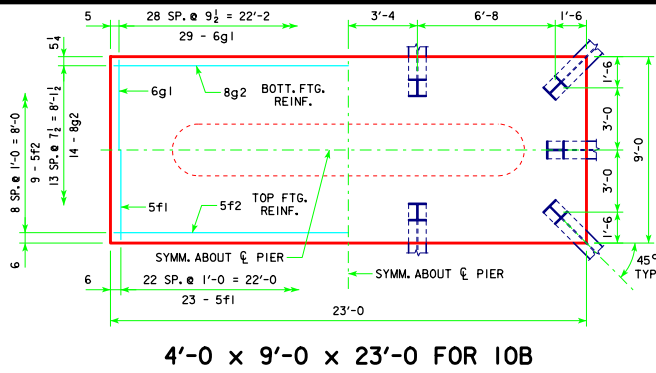
REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.



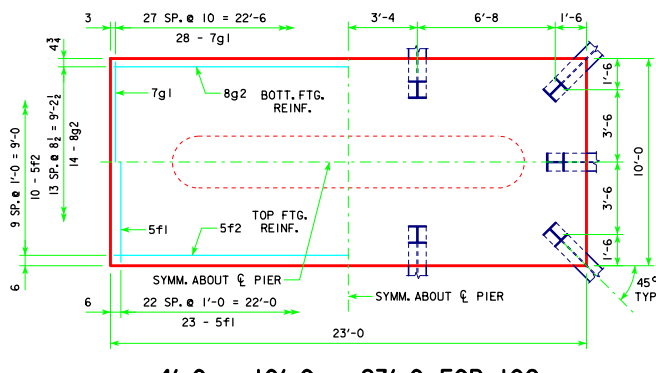
TYPICAL SECTION

H IN FT.	CL. ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	① LRFD P _u STRENGTH I, DES. LOAD (KIPS)	
201'-4	IOB	183		4' x 9' x 23'
213'-10	IOB	189		
226'-4	IOB	196		
243'-0	IOB	203		
201'-4	IOB	188		4' x 9' x 23'
213'-10	IOB	194		
226'-4	IOB	202		
243'-0	IOB	209		
201'-4	IOC	195		4' x 10' x 23'
213'-10	IOC	199		
226'-4	IOC	203		
243'-0	IOC	210		
201'-4	IOD	201		4' x 12' x 23'
213'-10	IOD	205		
226'-4	IOD	209		
243'-0	IOD	213		
201'-4	IOE	207		4' x 12' x 25'
213'-10	IOE	211		
226'-4	IOE	216		
243'-0	IIA	208		

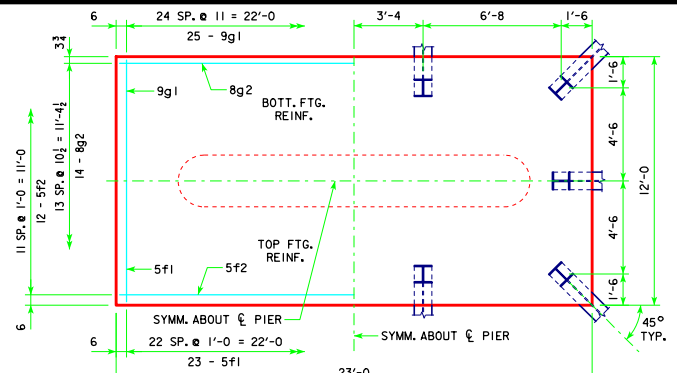
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)			TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)	
	BAR	NO., SIZE & SPACING	LENGTH			
4' x 9' x 23'	d2	44 - #9 AS SHOWN	9'-1	1359	3005	30.7
	f1	23 - #5 @ 1'-0	8'-8	208		
	f2	9 - #5 @ 1'-0	22'-8	213		
	g1	29 - #6 @ 0'-9 1/2	8'-8	378		
	g2	14 - #8 @ 0'-7 1/2	22'-8	847		
4' x 10' x 23'	d2	44 - #9 AS SHOWN	9'-1	1359	3227	34.1
	f1	23 - #5 @ 1'-0	9'-8	232		
	f2	10 - #5 @ 1'-0	22'-8	236		
	g1	28 - #7 @ 0'-10	9'-8	553		
	g2	14 - #8 @ 0'-8 1/2	22'-8	847		
4' x 12' x 23'	d2	44 - #9 AS SHOWN	9'-1	1359	3762	40.9
	f1	23 - #5 @ 1'-0	11'-8	280		
	f2	12 - #5 @ 1'-0	22'-8	284		
	g1	25 - #9 @ 0'-11	11'-8	992		
	g2	14 - #8 @ 0'-10 1/2	22'-8	847		
4' x 12' x 25'	d2	44 - #9 AS SHOWN	9'-1	1359	4344	44.4
	f1	25 - #5 @ 1'-0	11'-8	304		
	f2	12 - #5 @ 1'-0	24'-8	309		
	g1	25 - #9 @ 1'-0	11'-8	992		
	g2	13 - #10 @ 0'-11 1/2	24'-8	1380		



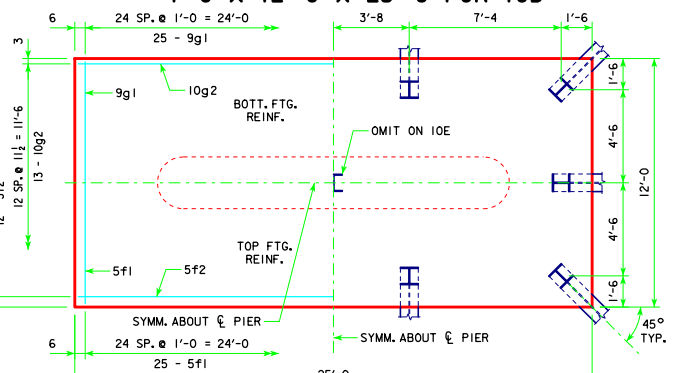
4'-0 x 9'-0 x 23'-0 FOR IOB



4'-0 x 10'-0 x 23'-0 FOR IOC



4'-0 x 12'-0 x 23'-0 FOR IOD



4'-0 x 12'-0 x 25'-0 FOR IOE & IIA

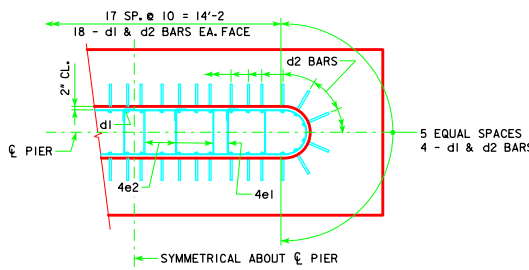
FOOTING NOTES:

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 I4 IN THE DIRECTION SHOWN.

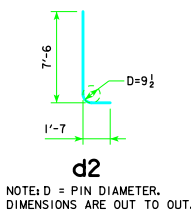
STEEL PILING USED AS POINT BEARING SHALL HAVE A MINIMUM DISTANCE OF APPROXIMATELY 10 FEET FROM BOTTOM OF FOOTING TO TOP OF BEARING ROCK. THE PILE LAYOUTS ARE SUCH THAT THE DISTANCE CENTER TO CENTER OF ADJACENT PILING SHALL NOT EXCEED 8'-0.

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



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.



d2
NOTE: D = PIN DIAMETER. DIMENSIONS ARE OUT TO OUT.

05-13 LATEST REVISION DATE <i>Thomas E. McQuill</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 15° SKEW - H=25' TO 40'	H24-61-06