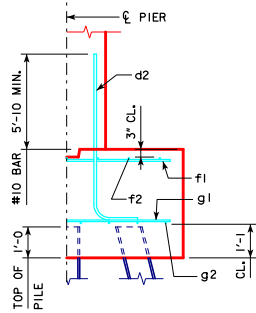
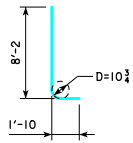


REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.
REVISED 09-2016 - CHANGED VERTICAL CLEARANCE OF REBAR - f2* TO TOP OF PIER FOOTING TO 3" WAS 2".



TYPICAL SECTION

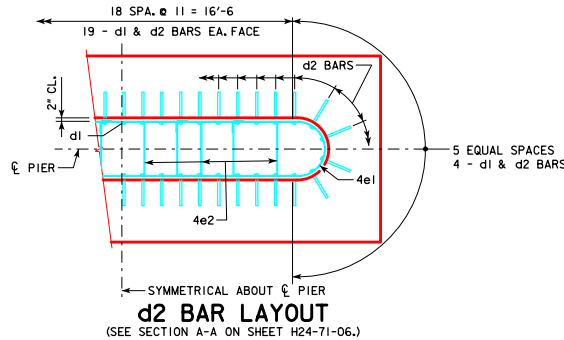


d2

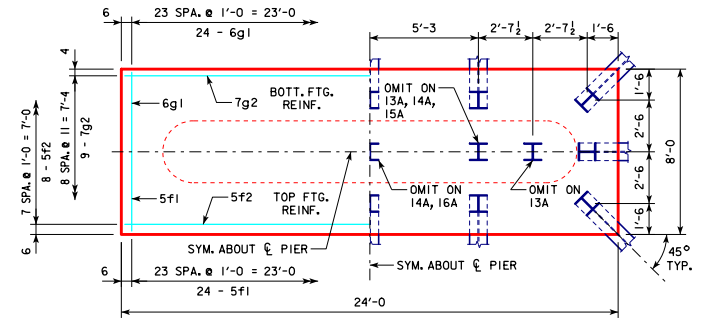
NOTE: D = PIN DIAMETER.
DIMENSIONS ARE OUT TO OUT.

H IN FT.	P - C ABUT. BRG.	PILING (#H10x57)		FOOTING SIZE	
		NO. & LAYOUT	① LRFD P _u STRENGTH I _s DES. LOAD (KIPS)		
16 TO 21	B	201'-4	13A	146	3'-6 x 8' x 24'
		213'-10	14A	139	
		226'-4	14A	145	
		243'-0	15A	144	
19 TO 24	B	201'-4	14A	139	3'-6 x 8' x 24'
		213'-10	14A	145	
		226'-4	15A	144	
		243'-0	16A	142	
24 TO 24	B	201'-4	14B	142	3'-6 x 9' x 24'
		213'-10	14B	147	
		226'-4	15B	146	
		243'-0	16B	144	

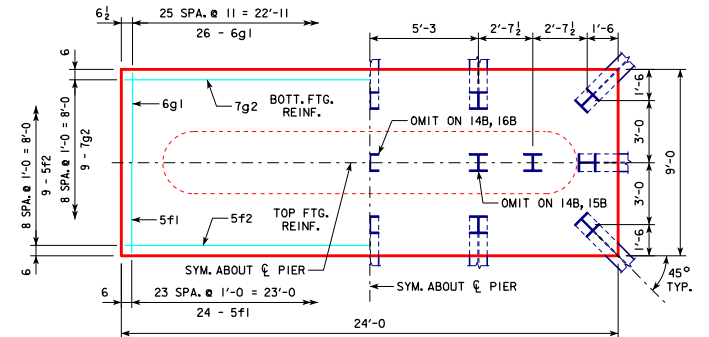
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
3'-6 x 8' x 24'	d2	46 - #10 AS SHOWN	10'-0	1979	3079	24.9
	f1	24 - #5 @ 1'-0	7'-8	192		
	f2	8 - #5 @ 1'-0	23'-8	197		
	g1	24 - #6 @ 1'-0	7'-8	276		
	g2	9 - #7 @ 0'-11	23'-8	435		
	d2	46 - #10 AS SHOWN	10'-0	1979		
3'-6 x 9' x 24'	d2	46 - #10 AS SHOWN	10'-0	1979	3191	28.0
	f1	24 - #5 @ 1'-0	8'-8	217		
	f2	9 - #5 @ 1'-0	23'-8	222		
	g1	26 - #6 @ 0'-11	8'-8	338		
	g2	9 - #7 @ 1'-0	23'-8	435		
	d2	46 - #10 AS SHOWN	10'-0	1979		



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 24'-0 FOR 13A, 14A, 15A & 16A



3'-6 x 9'-0 x 24'-0 FOR 14B, 15B & 16B

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 H24-71-06.

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.

09-2016 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-HPI0x57 SRL-1 STEEL PILE FOOTINGS	
45° SKEW - H-16' TO 24'	
H24-72-06	