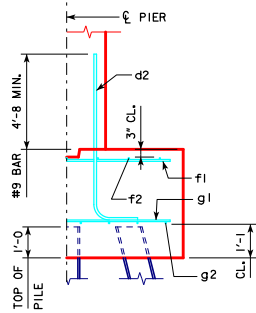
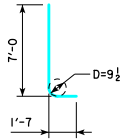


REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.
REVISED 09-2016 - CHANGED VERTICAL CLEARANCE OF REBAR "f2" TO TOP OF PIER FOOTING TO 3" (WAS 2").



TYPICAL SECTION

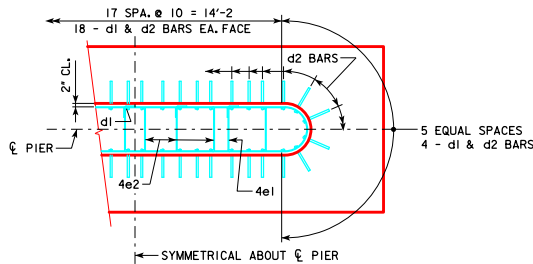


d2

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

H IN FT.	CL. - CL. ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	① LRFD P _u STRENGTH I, DES. LOAD (KIPS)	
18	201'-4	8A	211	3'-6 x 8' x 21'
		8A	219	
		9A	212	
		10A	189	
19	213'-10	8A	217	3'-6 x 8' x 21'
		10A	182	
		10A	189	
		10A	196	
20	226'-4	10A	182	3'-6 x 8' x 21'
		10A	188	
		10A	195	
		10A	202	

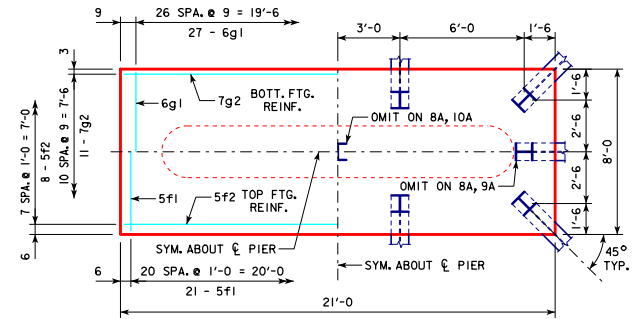
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
3'-6 x 8' x 21'	d2	44 - #9 AS SHOWN	8'-7"	1284	2400	21.8
	f1	21 - #5 @ 1'-0"	7'-8"	168		
	f2	8 - #5 @ 1'-0"	20'-8"	172		
	g1	27 - #6 @ 0'-9"	7'-8"	311		
	g2	11 - #7 @ 0'-9"	20'-8"	465		



d2 BAR LAYOUT

(SEE SECTION A-A ON SHEET H24-57-06.)

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 21'-0 FOR 8A, 9A & 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 H24-57-06.

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.

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-HP10x57 SRL-2 STEEL PILE FOOTINGS 15° SKEW - H=16' TO 24'	H24-60-06