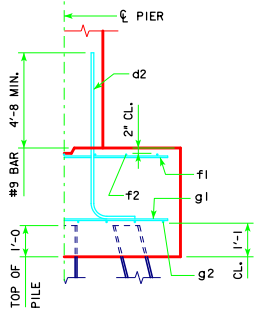
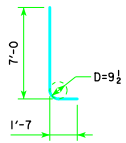


REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.



TYPICAL SECTION

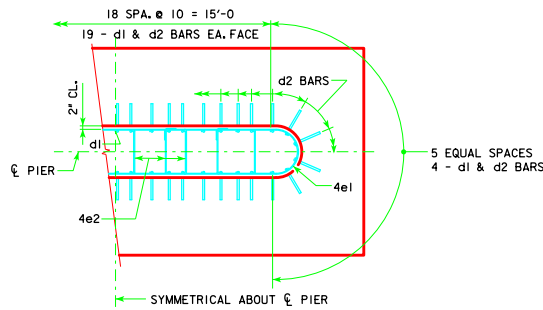


d2

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

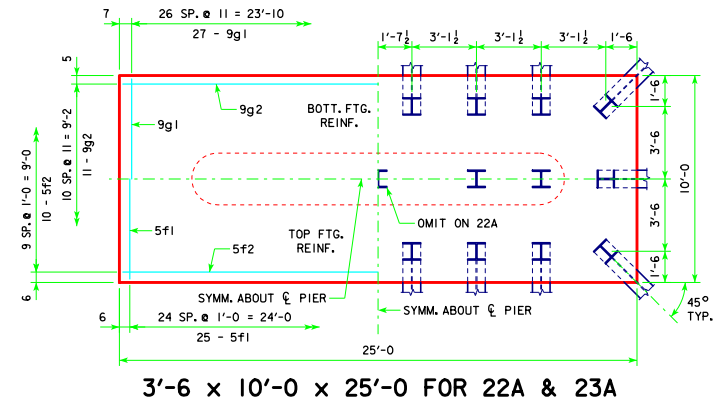
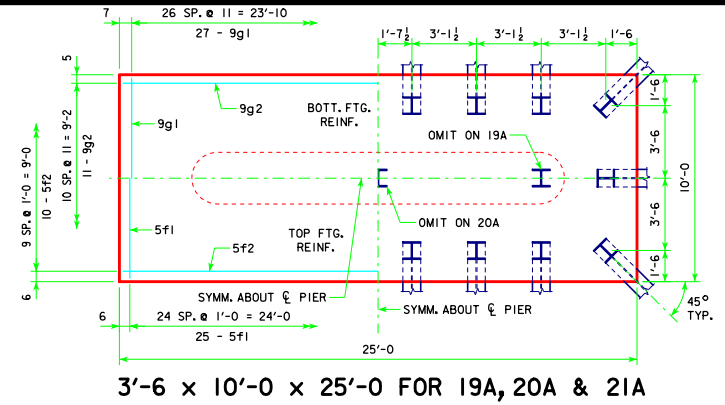
H IN FT.	CL. - CL. ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE	
		NO. & LAYOUT	① LRFD PU, STRENGTH I DES. LOAD (KIPS)		
18 TO 21	16	201'-4	19A	146	3'-6 x 10' x 25'
		213'-10	20A	142	
		226'-4	21A	144	
		243'-0	22A	145	
19 TO 21	16	201'-4	20A	140	3'-6 x 10' x 25'
		213'-10	20A	145	
		226'-4	22A	142	
		243'-0	23A	143	
22 TO 24	19	201'-4	20A	143	3'-6 x 10' x 25'
		213'-10	21A	144	
		226'-4	22A	144	
		243'-0	23A	146	

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)			TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)	
	BAR NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)			
3'-6 x 10' x 25'	d2	46 - #9 AS SHOWN	8'-7	1342	3661	32.4
	f1	25 - #5 @ 1'-0	9'-8	252		
	f2	10 - #5 @ 1'-0	24'-8	257		
	g1	27 - #9 @ 0'-11	9'-8	887		
	g2	11 - #9 @ 0'-11	24'-8	923		



d2 BAR LAYOUT
(SEE SECTION A-A ON SHEET H40-65-06.)

① NOTE: PU, 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 H40-65-06.

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.

LATEST REVISION DATE 05-13	APPROVED BY BRIDGE ENGINEER <i>Thomas E. Mc Donnell</i>		
		STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES AUGUST, 2009	
		TEE PIER-HP10x57 SRL-1 STEEL PILE FOOTINGS 15° SKEW - H=16' TO 24'	H40-67-06