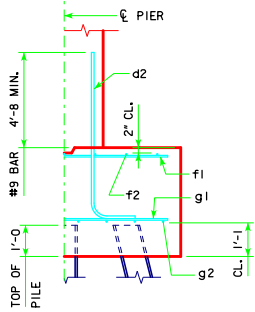
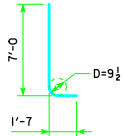


REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.



TYPICAL SECTION

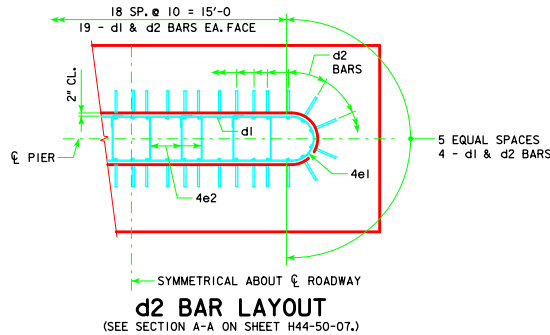


d2

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

H IN FT.	CL - CL ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE	
		NO. & LAYOUT	LRFD PU, STRENGTH I DES. BRG. (KIPS)		
18 TO 16		201'-4	21A	145	3'-6 x 10' x 24'
		213'-10	22A	141	
		226'-4	23A	144	
		243'-0	24A	145	
16 TO 14		201'-4	22A	138	3'-6 x 10' x 24'
		213'-10	22A	144	
		226'-4	23A	146	
		243'-0	25A	143	
14 TO 12		201'-4	22A	140	3'-6 x 10' x 24'
		213'-10	22A	146	
		226'-4	24A	143	
		243'-0	25A	145	

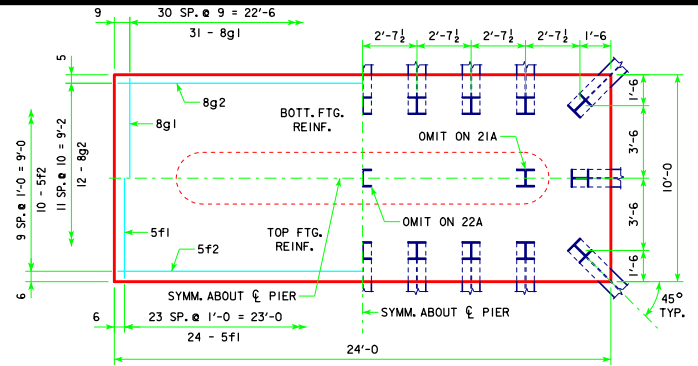
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)			
3'-6 x 10' x 24'	d2 46 - #9 AS SHOWN	8'-7	1342	3389	31.1	
	f1 24 - #5 @ 1'-0	9'-8	242			
	f2 10 - #5 @ 1'-0	23'-8	247			
	g1 31 - #8 @ 0'-9	9'-8	800			
	g2 12 - #8 @ 0'-10	23'-8	758			



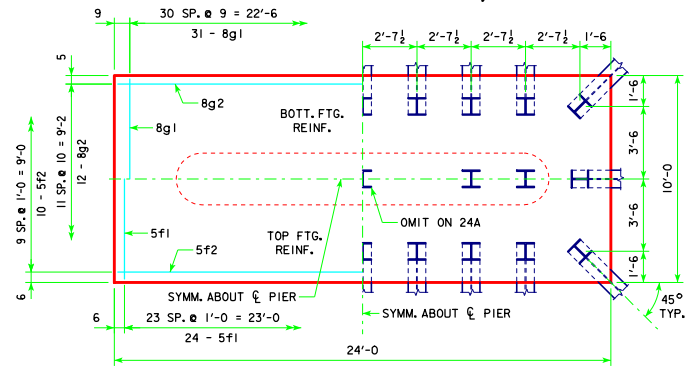
d2 BAR LAYOUT

(SEE SECTION A-A ON SHEET H44-50-07.)

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



3'-6 x 10'-0 x 24'-0 FOR 21A, 22A & 23A



3'-6 x 10'-0 x 24'-0 FOR 24A & 25A

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 H44-50-07.

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. M. Donnell</i>		PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES MARCH, 2007	
		STANDARD DESIGN - 44' ROADWAY, THREE SPAN BRIDGE		
		TEE PIER-HP10x57 SRL-1 STEEL PILE FOOTINGS 0° SKEW - H=16' TO 24'		
			H44-52-07	