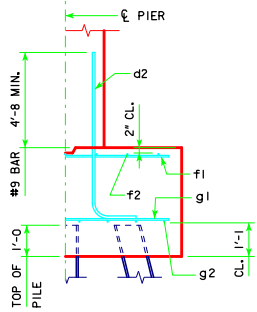
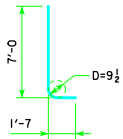


REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.

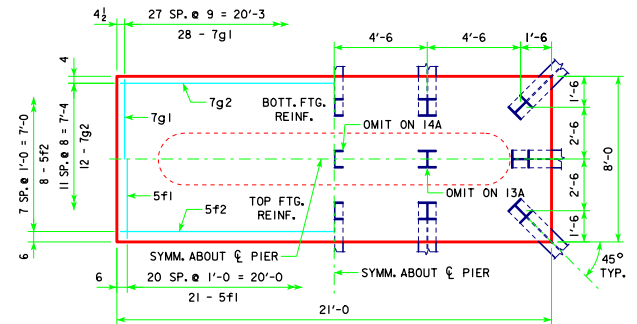


TYPICAL SECTION

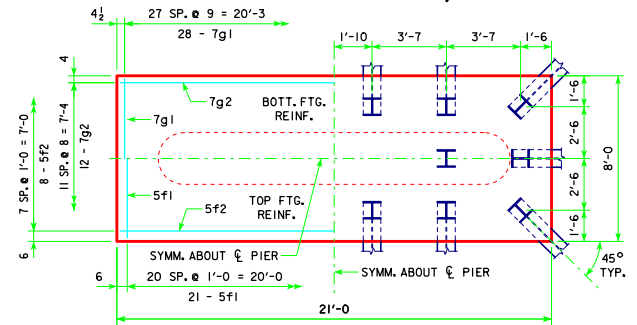


d2

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



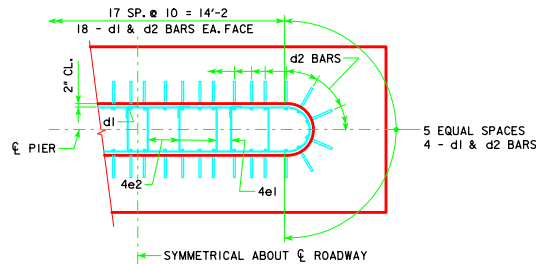
3'-6 x 8'-0 x 21'-0 FOR 13A, 14A & 15A



3'-6 x 8'-0 x 21'-0 FOR 16A

H IN FT.	CL - CL ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	LRFD PU, STRENGTH I DES. LOAD (KIPS)	
18 TO 16	201'-4	13A	213	3'-6 x 8' x 21'
	213'-10	14A	207	
	226'-4	14A	217	
	243'-0	15A	217	
19 TO 21	201'-4	13A	217	3'-6 x 8' x 21'
	213'-10	14A	212	
	226'-4	15A	213	
	243'-0	16A	202	
22 TO 24	201'-4	14A	208	3'-6 x 8' x 21'
	213'-10	14A	216	
	226'-4	15A	217	
	243'-0	16A	206	

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		
	f1 21 - #5 @ 1'-0	7'-8	168		
	f2 8 - #5 @ 1'-0	20'-8	172		
	g1 28 - #7 @ 0'-9	7'-8	439		
	g2 12 - #7 @ 0'-8	20'-8	507		
				2570	21.8



d2 BAR LAYOUT

(SEE SECTION A-A ON SHEET H40-57-06.)

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 H40-57-06.

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.

05-13 LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER <i>Thomas E. Mc Donnell</i>		PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES AUGUST, 2009	
		STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE		
		TEE PIER-HP10x57 SRL-2 STEEL PILE FOOTINGS		
			H40-61-06 0° SKEW - H=16' TO 24'	