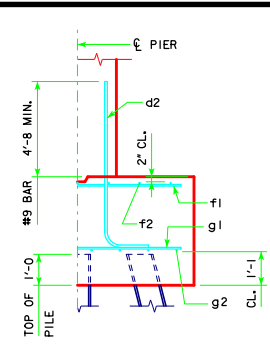
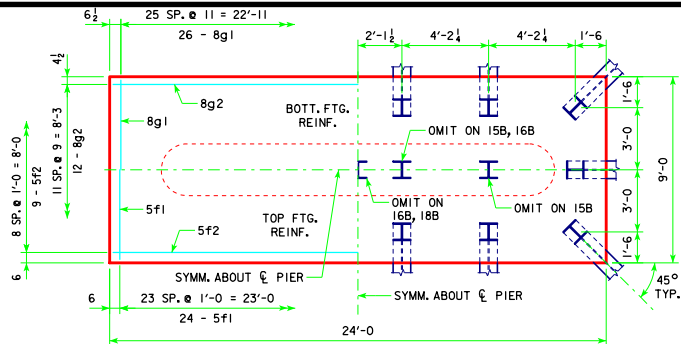


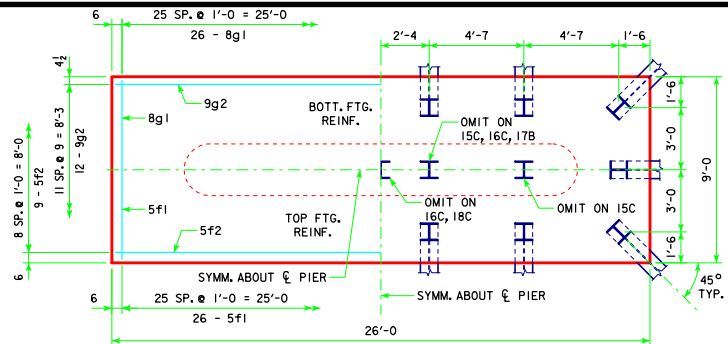
REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.



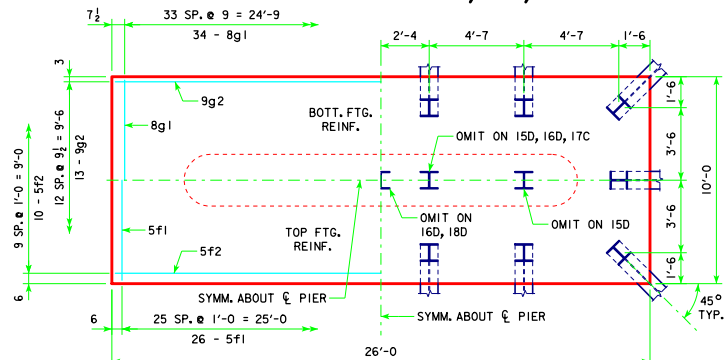
TYPICAL SECTION



4'-0 x 9'-0 x 24'-0 FOR 15B, 16B & 18B



4'-0 x 9'-0 x 26'-0 FOR 15C, 16C, 17B & 18C



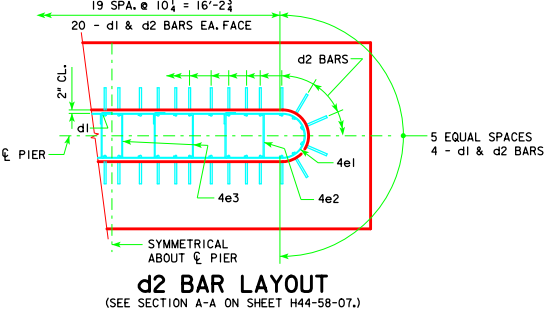
4'-0 x 10'-0 x 26'-0 FOR 15D, 16D, 17C & 18D

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 H44-58-07.
- 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.

H IN FT.	CL. - CL. P. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	① LRFD PU, STRENGTH I DES. BRG. (KIPS)	
21 TO 27	201'-4	15B	217	4' x 9' x 24'
	213'-10	16B	210	
	225'-4	16B	220	
28 TO 30	243'-0	18B	213	4' x 9' x 26'
	201'-4	15C	215	
	213'-10	16C	209	
31 TO 33	226'-4	16C	218	4' x 9' x 26'
	243'-0	18C	210	
	201'-4	15C	218	
34 TO 36	213'-10	16C	212	4' x 9' x 26'
	226'-4	17B	213	
	243'-0	18C	213	
37 TO 40	201'-4	15D	219	4' x 10' x 26'
	213'-10	16D	212	
	226'-4	17C	213	
41 TO 43	243'-0	18D	213	4' x 10' x 26'
	201'-4	16D	209	
	213'-10	16D	216	
44 TO 46	226'-4	17C	217	4' x 10' x 26'
	243'-0	18D	217	

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 9' x 24'	d2	48 - #9 AS SHOWN	9'-1	1482	3281	32.0
	f1	24 - #5 @ 1'-0	8'-8	217		
	f2	9 - #5 @ 1'-0	23'-8	602		
	g1	22 - #8 @ 0'-9 1/2	8'-8	602		
	g2	22 - #8 @ 0'-9 1/2	23'-8	758		
4' x 9' x 26'	d2	48 - #9 AS SHOWN	9'-1	1482	3607	34.7
	f1	26 - #5 @ 1'-0	8'-8	235		
	f2	9 - #5 @ 1'-0	25'-8	241		
	g1	22 - #8 @ 0'-9	8'-8	602		
	g2	22 - #8 @ 0'-9	25'-8	1047		
4' x 10' x 26'	d2	48 - #9 AS SHOWN	9'-1	1482	4024	38.5
	f1	26 - #5 @ 1'-0	9'-8	262		
	f2	10 - #5 @ 1'-0	25'-8	268		
	g1	34 - #8 @ 0'-9	8'-8	878		
	g2	13 - #9 @ 0'-9 1/2	25'-8	1134		



① NOTE: PU, STRENGTH I DESIGN LOAD (KIPS) IS NOT THE VALUE USED IN THE FIELD FOR DRIVING PILES.

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

LATEST REVISION DATE 05-13	APPROVED BY BRIDGE ENGINEER <i>Thomas E. M. ...</i>		STANDARD DESIGN - 44' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES MARCH, 2007	H44-63-07
			TEE PIER-HP10x57 SRL-2 STEEL PILE FOOTINGS 15° SKEW - H=25' TO 40'	