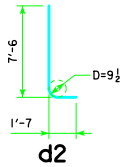
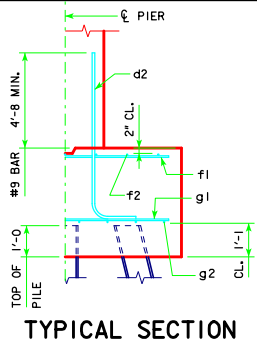


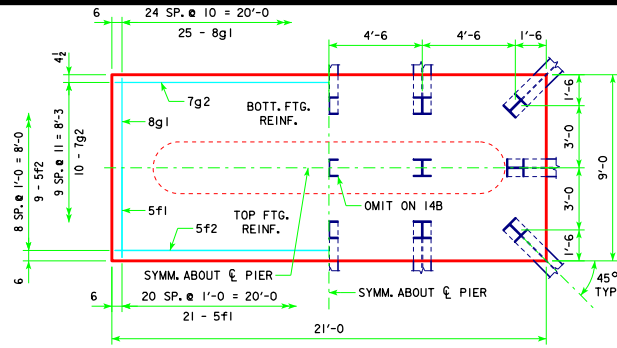
REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.



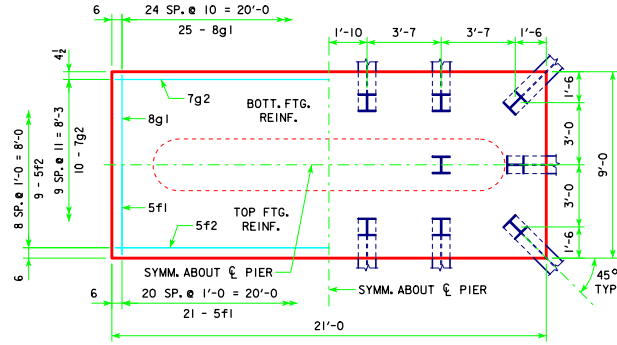
NOTE: D = PIN DIAMETER. DIMENSIONS ARE OUT TO OUT.

H IN FT.	CL. ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	① LRFD PU, STRENGTH I DES. LOAD (KIPS)	
21	201'-4	14B	208	4' x 9' x 21'
22	213'-10	14B	216	
23	226'-4	15B	216	
24	243'-0	16B	206	
25	201'-4	14C	203	4' x 9' x 23'
26	213'-10	14C	210	
27	226'-4	15C	210	
28	243'-0	16C	206	
29	201'-4	14C	206	4' x 9' x 23'
30	213'-10	14C	213	
31	226'-4	15C	213	
32	243'-0	16C	209	
33	201'-4	14D	204	4' x 10' x 24'
34	213'-10	14D	211	
35	226'-4	15D	210	
36	243'-0	16D	206	
37	201'-4	14D	208	4' x 10' x 24'
38	213'-10	14D	216	
39	226'-4	15D	215	
40	243'-0	16D	212	

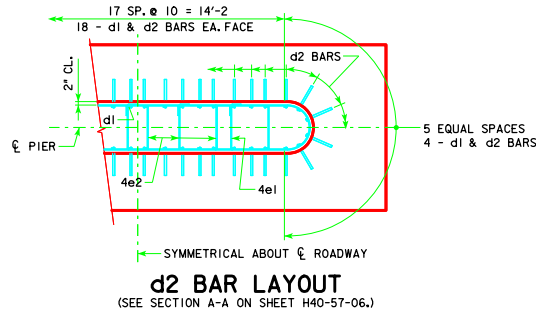
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)			TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 9' x 21'	d2 44 - #9 AS SHOWN	9'-1	1359	2744	28.0
	f1 21 - #5 @ 1'-0	8'-8	190		
	f2 9 - #5 @ 1'-0	20'-8	194		
	g1 25 - #8 @ 0'-10	8'-8	579		
4' x 9' x 23'	g2 10 - #7 @ 0'-11	20'-8	422	3123	30.7
	d2 44 - #9 AS SHOWN	9'-1	1359		
	f1 23 - #5 @ 1'-0	8'-8	208		
	f2 9 - #5 @ 1'-0	22'-8	213		
4' x 10' x 24'	g1 28 - #7 @ 0'-10	8'-8	496	3591	35.6
	g2 14 - #8 @ 0'-7	22'-8	847		
	d2 44 - #9 AS SHOWN	9'-1	1359		
	f1 24 - #5 @ 1'-0	9'-8	247		
4' x 10' x 24'	f2 10 - #5 @ 1'-0	23'-8	242	1046	
	g1 27 - #8 @ 0'-10 1/2	9'-8	697		
4' x 10' x 24'	g2 13 - #9 @ 0'-9 1/2	23'-8	1046		



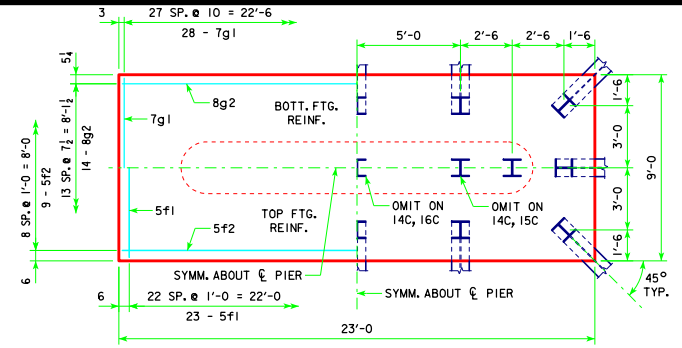
4'-0 x 9'-0 x 21'-0 FOR 14B & 15B



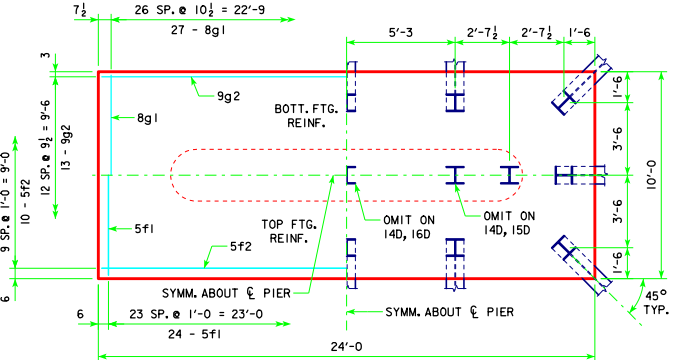
4'-0 x 9'-0 x 21'-0 FOR 16B



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



4'-0 x 9'-0 x 23'-0 FOR 14C, 15C & 16C



4'-0 x 10'-0 x 24'-0 FOR 14D, 15D & 16D

**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 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.

05-13 LATEST REVISION DATE  <i>Thomas E. McQuinn</i> APPROVED BY BRIDGE ENGINEER	
	STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE <b>PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES</b> AUGUST, 2009
<b>TEE PIER-HP10x57 SRL-2 STEEL PILE FOOTINGS</b>	
<b>H40-62-06</b> <small>0° SKEW - H=25' TO 40'</small>	