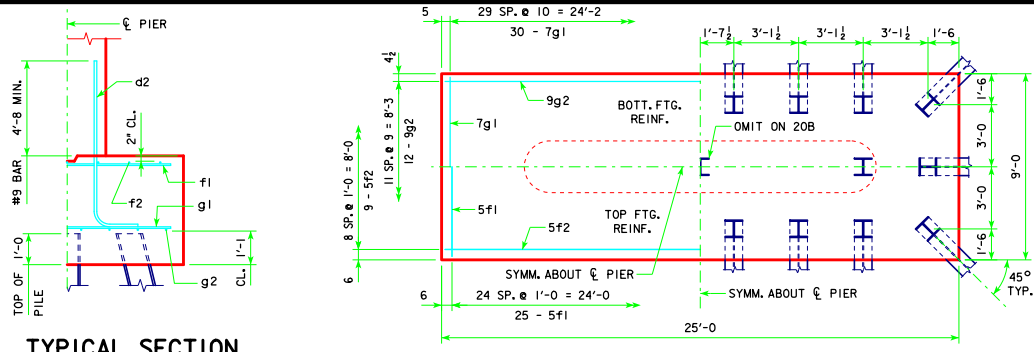
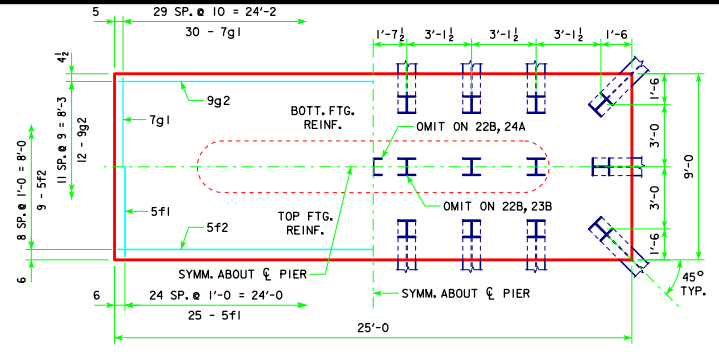


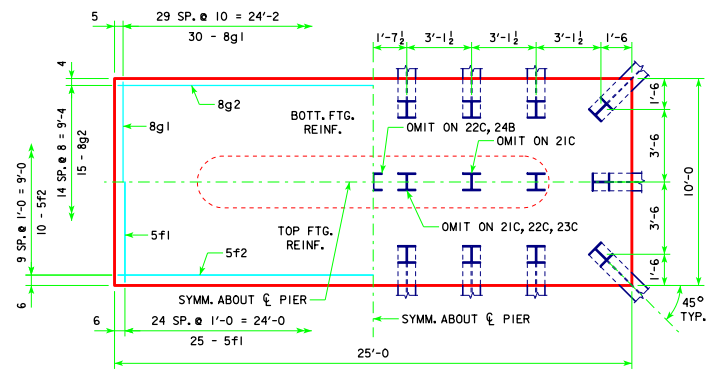
REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.



4'-0 x 9'-0 x 25'-0 FOR 20B & 21B



4'-0 x 9'-0 x 25'-0 FOR 22B, 23B & 24A



4'-0 x 10'-0 x 25'-0 FOR 21C, 22C, 23C & 24B

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.

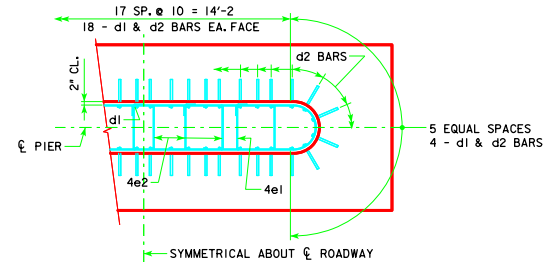
BATTER PILES IN EXTERIOR ROWS 1:4 IN THE DIRECTION SHOWN.

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.

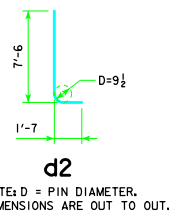
PIER PILES SHALL BE DRIVEN TO VALUES SHOWN IN DESIGN PLANS.

H IN FT.	C - C ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	(1) LRFD PU, STRENGTH I DES. LOAD (KIPS)	
27	201'-4	20B	141	4' x 9' x 25'
28	213'-10	20B	146	
29	226'-4	22B	142	
30	243'-0	23B	144	
31	201'-4	20B	143	4' x 9' x 25'
32	213'-10	21B	144	
33	226'-4	22B	144	
34	243'-0	23B	146	
35	201'-4	20B	145	4' x 9' x 25'
36	213'-10	21B	146	
37	226'-4	22B	146	
38	243'-0	24A	144	
39	201'-4	21B	143	4' x 9' x 25'
40	213'-10	22B	142	
41	226'-4	23B	144	
42	243'-0	24A	146	
43	201'-4	21C	143	4' x 10' x 25'
44	213'-10	22C	143	
45	226'-4	23C	145	
46	243'-0	24B	147	

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)			TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 9' x 25'	d2 44 - #9 AS SHOWN	9'-1	1359	3354	33.3
	f1 25 - #5 @ 1'-0	8'-8	226		
	f2 9 - #5 @ 1'-0	24'-8	232		
	g1 30 - #7 @ 0'-10	8'-8	531		
	g2 12 - #9 @ 0'-9	24'-8	1006		
4' x 10' x 25'	d2 44 - #9 AS SHOWN	9'-1	1359	3630	37.0
	f1 25 - #5 @ 1'-0	9'-8	252		
	f2 10 - #5 @ 1'-0	24'-8	257		
	g1 30 - #8 @ 0'-10	9'-8	774		
	g2 15 - #8 @ 0'-8	24'-8	988		



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



LATEST REVISION DATE 05-13	APPROVED BY BRIDGE ENGINEER <i>Thomas E. Mc Donnell</i>	<p>STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE</p> <p>PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES</p> <p>AUGUST, 2009</p>	<p>H40-60-06</p>