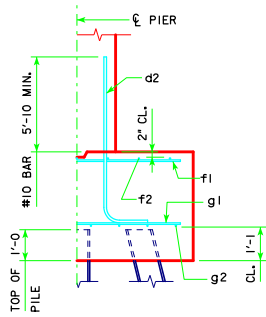
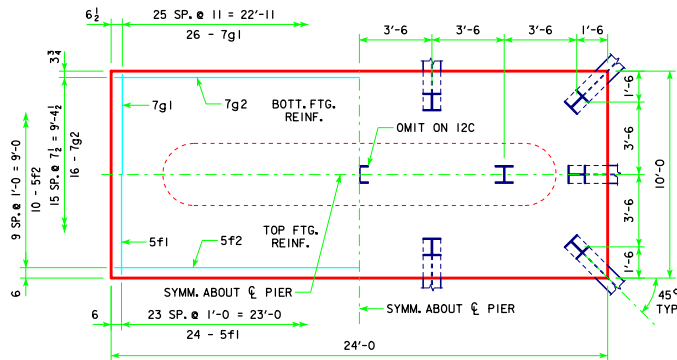


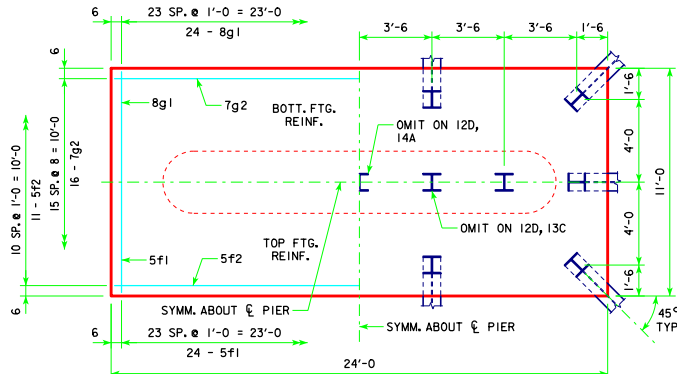
REVISED 04-13 - REVISION FOR LRFD PILE DESIGN.



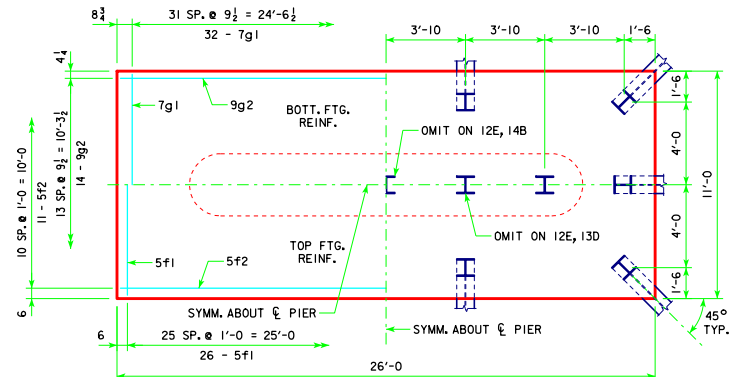
TYPICAL SECTION



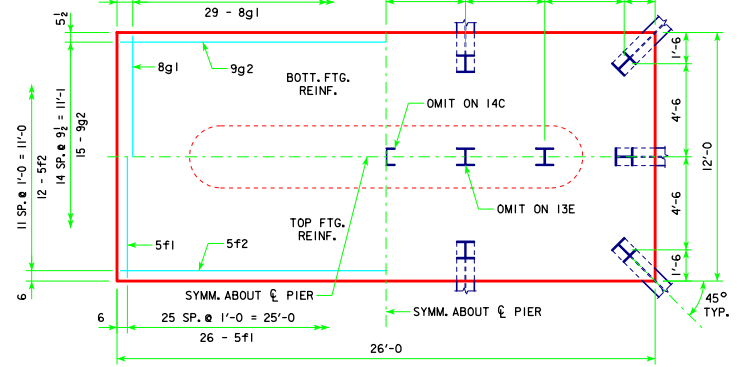
4'-0 x 10'-0 x 24'-0 FOR I2C & I3B



4'-0 x 11'-0 x 24'-0 FOR I2D, I3C & I4A



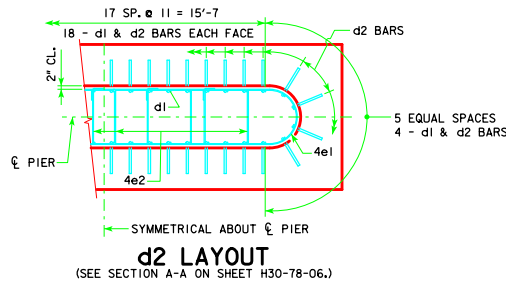
4'-0 x 11'-0 x 26'-0 FOR I2E, I3D & I4B



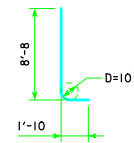
4'-0 x 12'-0 x 26'-0 FOR I3E & I4C

H IN FT.	CL - CL ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	(1) LRFD P _u , STRENGTH I, DES. LOAD (KIPS)	
201'-4	I2C	205		4' x 10' x 24'
213'-10	I2C	211		
226'-4	I2C	220		
243'-0	I3B	215		4' x 11' x 24'
201'-4	I2D	208		
213'-10	I2D	215		
226'-4	I3C	211		4' x 11' x 24'
243'-0	I3C	219		
201'-4	I2E	213		
213'-10	I3C	208		
226'-4	I3C	216		
243'-0	I4A	211		4' x 11' x 26'
201'-4	I2E	217		
213'-10	I3D	212		
226'-4	I4B	209		4' x 12' x 26'
243'-0	I4B	215		
201'-4	I3E	210		
213'-10	I3E	217		4' x 12' x 26'
226'-4	I4C	213		
243'-0	I4C	219		

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 10' x 24'	d2	44 - #10 AS SHOWN	10'-6	1988	3765	35.6
	f1	24 - #5 @ 1'-0	9'-8	242		
	f2	10 - #5 @ 1'-0	23'-8	247		
	g1	26 - #7 @ 0'-11	9'-8	514		
	g2	16 - #7 @ 0'-7 1/2	23'-8	774		
4' x 11' x 24'	d2	44 - #10 AS SHOWN	10'-6	1988	3985	39.1
	f1	24 - #5 @ 1'-0	10'-8	267		
	f2	11 - #5 @ 1'-0	23'-8	272		
	g1	24 - #8 @ 1'-0	10'-8	684		
	g2	16 - #7 @ 0'-8	23'-8	774		
4' x 11' x 26'	d2	44 - #10 AS SHOWN	10'-6	1988	4491	42.4
	f1	26 - #5 @ 1'-0	10'-8	289		
	f2	11 - #5 @ 1'-0	25'-8	294		
	g1	32 - #7 @ 0'-9 1/2	10'-8	698		
	g2	14 - #9 @ 0'-9 1/2	25'-8	1222		
4' x 12' x 26'	d2	44 - #10 AS SHOWN	10'-6	1988	4837	46.2
	f1	26 - #5 @ 1'-0	11'-8	316		
	f2	12 - #5 @ 1'-0	25'-8	321		
	g1	29 - #8 @ 0'-10 1/2	11'-8	903		
	g2	15 - #9 @ 0'-9 1/2	25'-8	1309		



NOTE: P_u, 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.

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 H30-57-06.

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.

LATEST REVISION DATE

04-13

APPROVED BY BRIDGE ENGINEER

Thomas E. M. ...

STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES

PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES

DECEMBER, 2006

TEE PIER-HP10x57 SRL-2 STEEL PILE FOOTINGS

45° SKEW - H=25' to 40'

H30-82-06