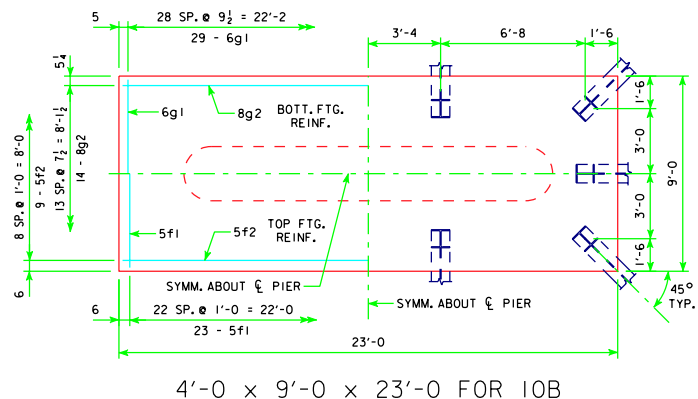
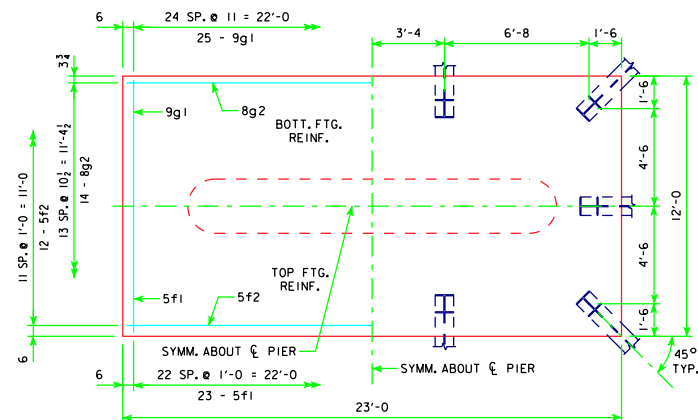


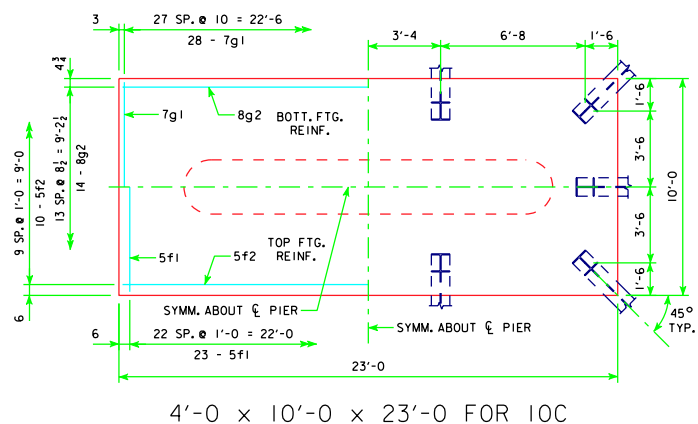
TYPICAL SECTION



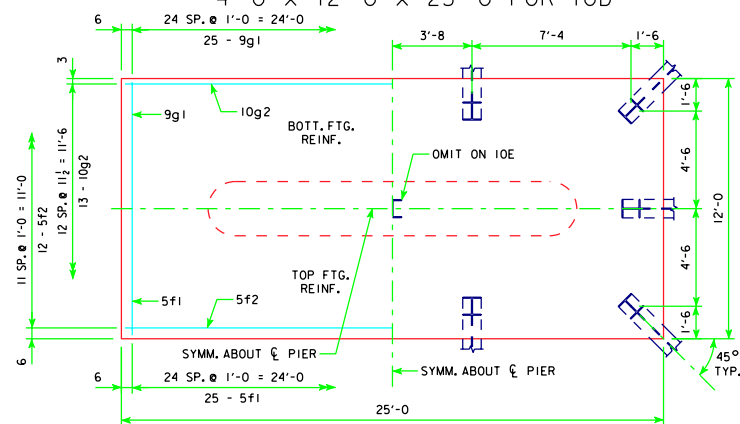
4'-0 x 9'-0 x 23'-0 FOR 10B



4'-0 x 12'-0 x 23'-0 FOR 10D



4'-0 x 10'-0 x 23'-0 FOR 10C



4'-0 x 12'-0 x 25'-0 FOR 10E & 11A
FOOTING NOTES:

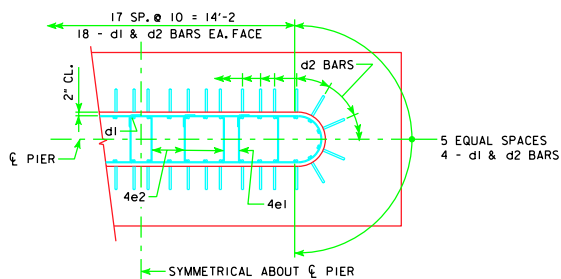
THESE FOOTINGS ARE DESIGNED AND DETAILED TO BE USED WITH THE CAP AND COLUMN DETAILS OF THE TEE PIERS AS SHOWN ON SHEET H24-57-06.

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.

H IN FT.	CL - CL ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	(1) DES. BRG. (TONS) (2) LRFD DES. BRG. (KIPS)	
20'1"-4	10B	64	183	4' x 9' x 23'
213'-10	10B	66	189	
226'-4	10B	68	196	
243'-0	10B	70	203	
20'1"-4	10B	65	188	4' x 9' x 23'
213'-10	10B	67	194	
226'-4	10B	70	202	
243'-0	10B	72	209	
20'1"-4	10C	68	195	4' x 10' x 23'
213'-10	10C	69	199	
226'-4	10C	70	203	
243'-0	10C	73	210	
20'1"-4	10D	70	201	4' x 12' x 23'
213'-10	10D	71	205	
226'-4	10D	72	209	
243'-0	10D	74	213	
20'1"-4	10E	72	207	4' x 12' x 25'
213'-10	10E	73	211	
226'-4	10E	75	216	
243'-0	11A	72	208	

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 9' x 23'	d2	44 - #9 AS SHOWN	9'-1	1359	3005	30.7
	f1	23 - #5 @ 1'-0	8'-8	208		
	f2	9 - #5 @ 1'-0	22'-8	213		
	g1	29 - #6 @ 0'-9 1/2	8'-8	378		
	g2	14 - #8 @ 0'-7 1/2	22'-8	847		
	d2	44 - #9 AS SHOWN	9'-1	1359		
4' x 10' x 23'	f1	23 - #5 @ 1'-0	9'-8	232	3227	34.1
	f2	10 - #5 @ 1'-0	22'-8	236		
	g1	28 - #7 @ 0'-10	9'-8	553		
	g2	14 - #8 @ 0'-8 1/2	22'-8	847		
	d2	44 - #9 AS SHOWN	9'-1	1359		
	f1	23 - #5 @ 1'-0	11'-8	280	3762	40.9
4' x 12' x 23'	f2	12 - #5 @ 1'-0	22'-8	284		
	g1	25 - #9 @ 0'-11	11'-8	992		
	g2	14 - #8 @ 0'-10 1/2	22'-8	847		
	d2	44 - #9 AS SHOWN	9'-1	1359		
	f1	25 - #5 @ 1'-0	11'-8	304	4344	44.4
4' x 12' x 25'	f2	12 - #5 @ 1'-0	24'-8	309		
	g1	25 - #9 @ 1'-0	11'-8	992		
	g2	13 - #10 @ 0'-11 1/2	24'-8	1380		

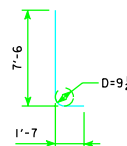


d2 BAR LAYOUT

(SEE SECTION A-A ON SHEET H24-57-06.)

① FOR DETERMINING ACTUAL PILE LENGTHS IN FIELD.

② FOR ESTIMATING PILE LENGTHS USING AASHTO LRFD SPECIFICATIONS.



d2

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

01-10 LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES DECEMBER, 2006	
		TEE PIER - 75 TON STEEL PILE FOOTINGS 15° SKEW - H=25' TO 40'	
		H24-61-06	