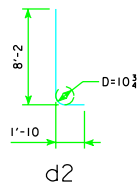


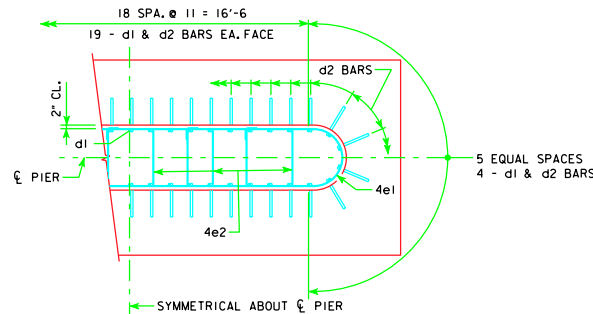
TYPICAL SECTION



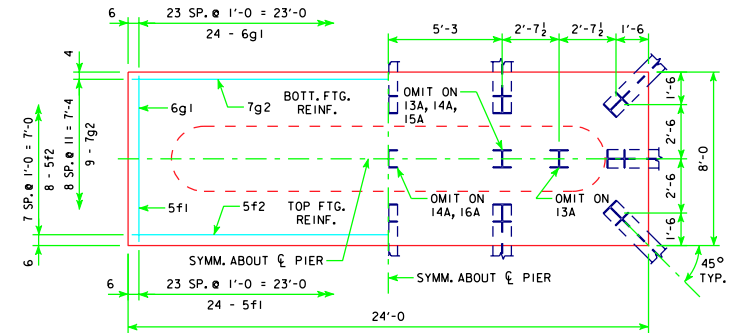
NOTE: D = PIN DIAMETER.
DIMENSIONS ARE OUT TO OUT.

H IN FT.	CL - CL ABUT. BRG.	PILING (HP10x57)			FOOTING SIZE
		NO. & LAYOUT	① DES. BRG. (TONS)	② LRFD DES. BRG. (KIPS)	
18 TO 21	201'-4	13A	50	146	3'-6 x 8' x 24'
	213'-10	14A	48	139	
	226'-4	14A	50	145	
	243'-0	15A	50	144	
19 TO 24	201'-4	14A	48	139	3'-6 x 8' x 24'
	213'-10	14A	50	145	
	226'-4	15A	50	144	
	243'-0	16A	49	142	
22 TO 24	201'-4	14B	49	142	3'-6 x 9' x 24'
	213'-10	14B	50	147	
	226'-4	15B	50	146	
	243'-0	16B	50	144	

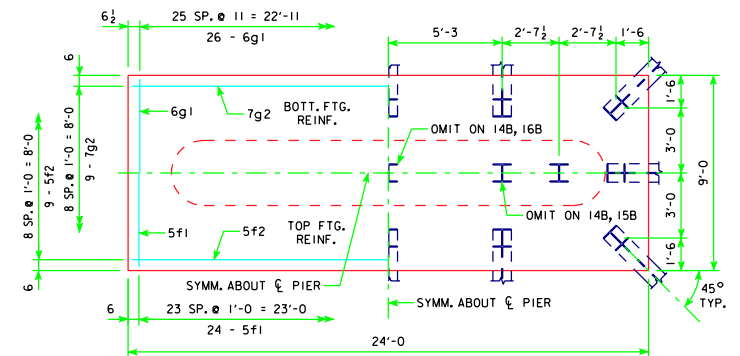
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
3'-6 x 8' x 24'	d2	46 - #10 AS SHOWN	10'-0	1979	3079	24.9
	f1	24 - #5 @ 1'-0	7'-8	192		
	f2	8 - #5 @ 1'-0	23'-8	197		
	g1	24 - #6 @ 1'-0	7'-8	276		
	g2	9 - #7 @ 0'-11	23'-8	435		
	d2	46 - #10 AS SHOWN	10'-0	1979		
3'-6 x 9' x 24'	f1	24 - #5 @ 1'-0	8'-8	217	3191	28.0
	f2	9 - #5 @ 1'-0	23'-8	222		
	g1	26 - #6 @ 0'-11	8'-8	338		
	g2	9 - #7 @ 1'-0	23'-8	435		



- d2 BAR LAYOUT
(SEE SECTION A-A ON SHEET H24-71-06.)
- FOR DETERMINING ACTUAL PILE LENGTHS IN FIELD.
 - FOR ESTIMATING PILE LENGTHS USING AASHTO LRFD SPECIFICATIONS.



3'-6 x 8'-0 x 24'-0 FOR 13A, 14A, 15A & 16A



3'-6 x 9'-0 x 24'-0 FOR 14B, 15B & 16B

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 H24-71-06.

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.

01-10 LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER <i>Thomas E. McQuinn</i>		
		STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES DECEMBER, 2006	
		TEE PIER - 50 TON STEEL PILE FOOTINGS 45° SKEW - H=16' TO 24'	H24-72-06