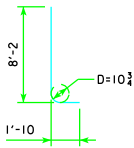


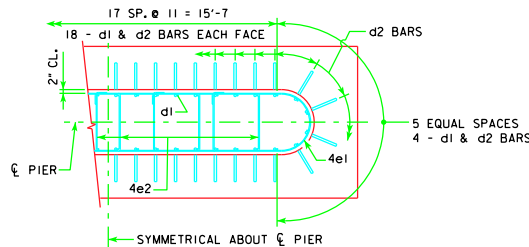
TYPICAL SECTION



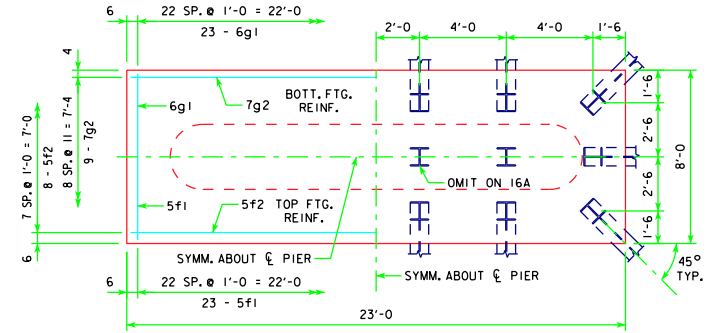
d2
NOTE: D = PIN DIAMETER.
DIMENSIONS ARE OUT TO OUT.

H IN FT.	CL - CL ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE	
		NO. & LAYOUT	① DES. BRG. (TONS)		② LRFD DES. BRG. (KIPS)
16 TO 18	201'-4	16A	49	142	3'-6 x 8' x 23'
	213'-10	16A	50	147	
	226'-4	18A	49	141	
	243'-0	18A	50	146	
19 TO 21	201'-4	17A	47	136	3'-6 x 9' x 23'
	213'-10	17A	49	141	
	226'-4	18B	48	139	
	243'-0	18B	50	144	
22 TO 24	201'-4	17A	49	141	3'-6 x 9' x 23'
	213'-10	17A	50	145	
	226'-4	18B	49	143	
	243'-0	19A	49	142	

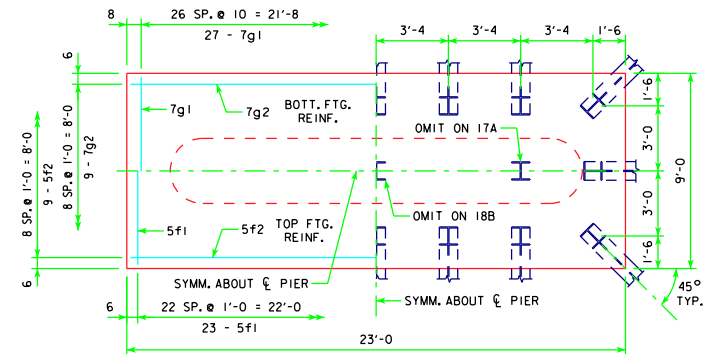
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
3'-6 x 8' x 23'	d2	44 - #10 AS SHOWN	10'-0	1893	2948	23.9
	f1	23 - #5 @ 1'-0	7'-8	184		
	f2	8 - #5 @ 1'-0	22'-8	189		
	g1	23 - #6 @ 1'-0	7'-8	265		
	g2	9 - #7 @ 0'-11	22'-8	417		
	d2	44 - #10 AS SHOWN	10'-0	1893		
3'-6 x 9' x 23'	f1	23 - #5 @ 1'-0	8'-8	208	3209	26.8
	f2	9 - #5 @ 1'-0	22'-8	213		
	g1	27 - #7 @ 0'-10	8'-8	478		
	g2	9 - #7 @ 1'-0	22'-8	417		



d2 LAYOUT
(SEE SECTION A-A ON SHEET H30-71-06.)
① FOR DETERMINING ACTUAL PILE LENGTHS IN FIELD.
② FOR ESTIMATING PILE LENGTHS USING AASHTO LRFD SPECIFICATIONS.



3'-6 x 8'-0 x 23'-0 FOR 16A & 18A



3'-6 x 9'-0 x 23'-0 FOR 17A, 18B & 19A

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 H30-71-06.

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.

LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER		
		STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES DECEMBER, 2006	
		TEE PIER - 50 TON STEEL PILE FOOTINGS 30° SKEW - H=16' to 24'	H30-72-06