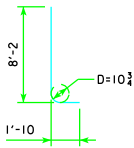


TYPICAL SECTION

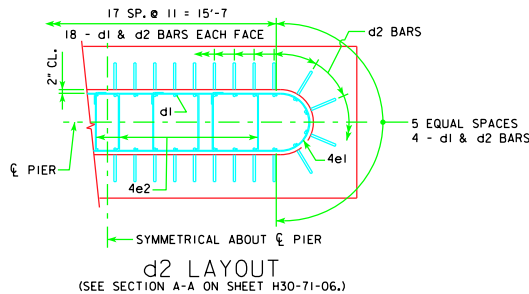


d2

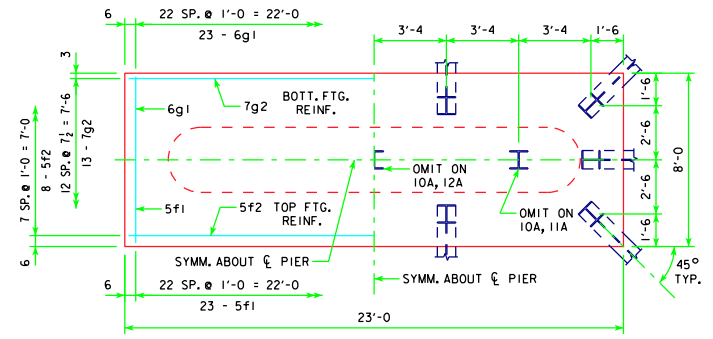
NOTE: D = PIN DIAMETER.
DIMENSIONS ARE OUT TO OUT.

H IN FT.	CL - CL ABUT. BRG.	PILING (HP10x57)			FOOTING SIZE
		NO. & LAYOUT	① DES. BRG. (TONS)	② LRFD DES. BRG. (KIPS)	
18 TO 21	201'-4	10A	74	215	3'-6 x 8' x 23'
	213'-10	11A	72	209	
	226'-4	11A	75	217	
	243'-0	12A	72	207	
21 TO 24	201'-4	11A	72	208	3'-6 x 8' x 23'
	213'-10	11A	75	216	
	226'-4	12A	72	207	
	243'-0	12A	74	214	
24 TO 27	201'-4	11B	73	212	3'-6 x 9' x 23'
	213'-10	11B	75	219	
	226'-4	12B	73	210	
	243'-0	12B	75	217	

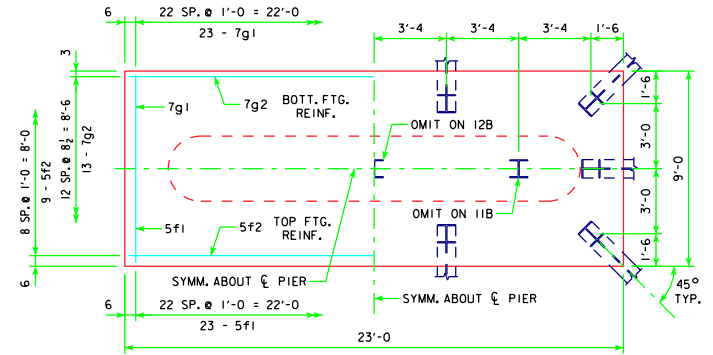
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH (LB.)	TOTAL WEIGHT (LB.)	
3'-6 x 8' x 23'	d2	44 - #10 AS SHOWN	10'-0	1893	3133
	f1	23 - #5 @ 1'-0	7'-8	184	
	f2	8 - #5 @ 1'-0	22'-8	189	
	g1	23 - #6 @ 1'-0	7'-8	265	
	g2	13 - #7 @ 0'-7 1/2	22'-8	602	
3'-6 x 9' x 23'	d2	44 - #10 AS SHOWN	10'-0	1893	3323
	f1	23 - #5 @ 1'-0	8'-8	208	
	f2	9 - #5 @ 1'-0	22'-8	213	
	g1	23 - #7 @ 1'-0	8'-8	407	
	g2	13 - #7 @ 0'-8 1/2	22'-8	602	



- 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 10A, 11A & 12A



3'-6 x 9'-0 x 23'-0 FOR 11B & 12B

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 - 75 TON STEEL PILE FOOTINGS 30° SKEW - H=16' to 24'	
		H30-74-06	