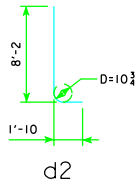
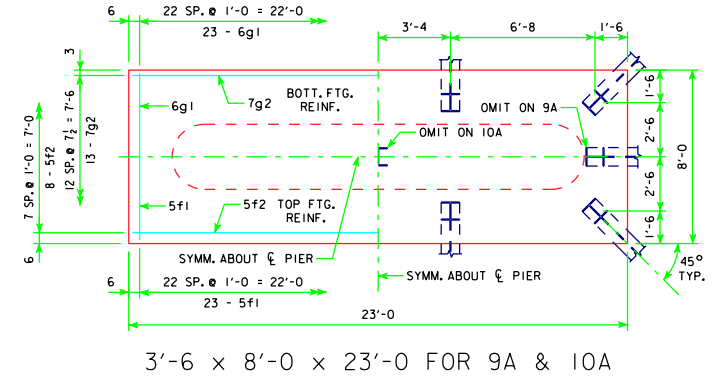


TYPICAL SECTION

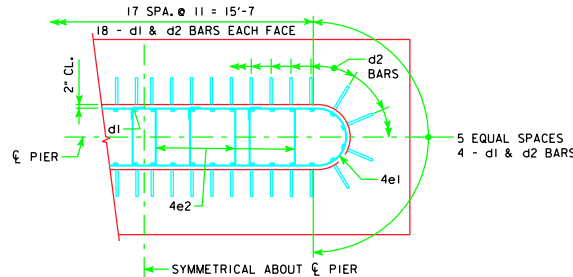


NOTE: D = PIN DIAMETER.
DIMENSIONS ARE OUT TO OUT.



H IN FT.	CL - CL ABUT. BRG.	PILING (HP10x57)			FOOTING SIZE
		NO. & LAYOUT	DES. BRG. (TONS)	LRFD DES. BRG. (KIPS)	
18	201'-4	9A	70	203	3'-6 x 8' x 23'
	213'-10	9A	73	210	
	226'-4	9A	75	219	
	243'-0	10A	67	195	
	201'-4	10A	63	182	3'-6 x 8' x 23'
	213'-10	10A	65	188	
	226'-4	10A	68	196	
	243'-0	10A	70	202	
22 TO 24	19	10A	66	189	3'-6 x 8' x 23'
	213'-10	10A	68	196	
	226'-4	10A	70	203	
	243'-0	10A	72	209	

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)					STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)	TOTAL WEIGHT (LB.)	
3'-6 x 8' x 23'	d2	44 - #10 AS SHOWN	10'-0	1893	3133	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	13 - #7 @ 0'-7 1/2	22'-8	602		



d2 BAR LAYOUT

(SEE SECTION A-A ON SHEET H24-64-06.)

① FOR DETERMINING ACTUAL PILE LENGTHS IN FIELD.

② FOR ESTIMATING PILE LENGTHS USING AASHTO LRFD SPECIFICATIONS.

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 H24-64-06.

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 01-10	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 - 75 TON STEEL PILE FOOTINGS 30° SKEW - H=16' TO 24'	H24-67-06