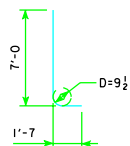


TYPICAL SECTION

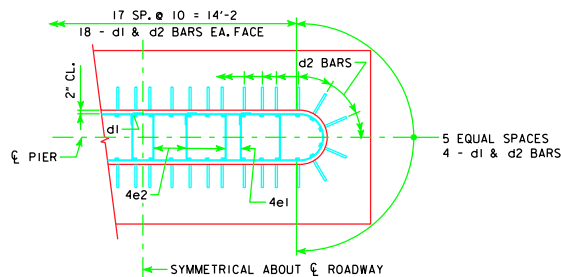


d2

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

H IN FT.	℄ - ℄ ABUT. BRG.	NO. & LAYOUT	① DES. BRG. (TONS)	② LFRD DES. BRG. (KIPS)	FOOTING SIZE
201'-4	8A	72	207		3'-6 x 7' x 21'
213'-10	8A	75	215		
226'-4	9A	72	209		
243'-0	9A	75	217		
201'-4	8B	73	210		3'-6 x 8' x 21'
213'-10	8B	75	218		
226'-4	10A	64	184		
243'-0	10A	66	191		
201'-4	10A	62	178		3'-6 x 8' x 21'
213'-10	10A	64	185		
226'-4	10A	67	192		
243'-0	10A	69	199		

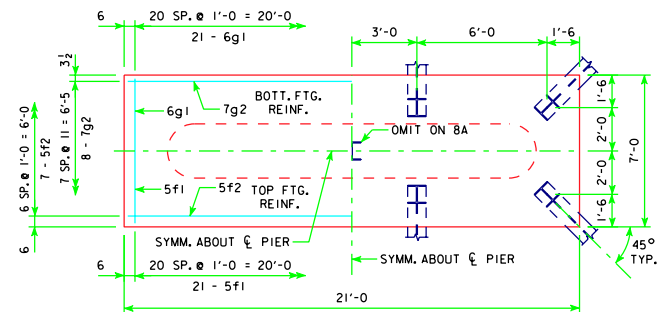
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
3'-6" x 7' x 21'	d2	44 - #9 AS SHOWN	8'-7"	1284	2129	19.1
	f1	21 - #5 @ 1'-0"	6'-8"	146		
	f2	7 - #5 @ 1'-0"	20'-8"	151		
	g1	21 - #6 @ 1'-0"	6'-8"	210		
	g2	8 - #7 @ 0'-11"	20'-8"	338		
	d2	44 - #9 AS SHOWN	8'-7"	1284		
3'-6" x 8' x 21'	f1	21 - #5 @ 1'-0"	7'-8"	168	2400	21.8
	f2	8 - #5 @ 1'-0"	20'-8"	172		
	g1	27 - #6 @ 0'-9"	7'-8"	311		
	g2	11 - #7 @ 0'-9"	20'-8"	465		



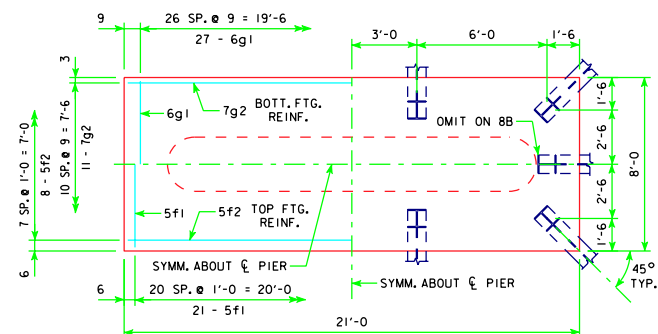
d2 BAR LAYOUT

(SEE SECTION A-A ON SHEET H24-50-06.)

- 1 FOR DETERMINING ACTUAL PILE LENGTHS IN FIELD.
- 2 FOR ESTIMATING PILE LENGTHS USING AASHTO LRFD SPECIFICATIONS.



3'-6 x 7'-0 x 21'-0 FOR 8A & 9A



3'-6 x 8'-0 x 21'-0 FOR 8B & 10A

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 H24-50-06.

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 <i>Norman E. McQuinn</i> APPROVED BY BRIDGE ENGINEER	 Iowa Department of Transportation Highway Division	
	STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES DECEMBER, 2006	
	TEE PIER - 75 TON STEEL PILE FOOTINGS 0° SKEW - H=16' TO 24'	H24-53-06