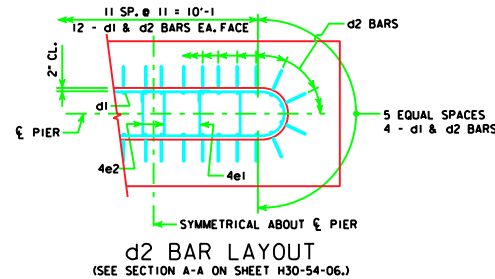
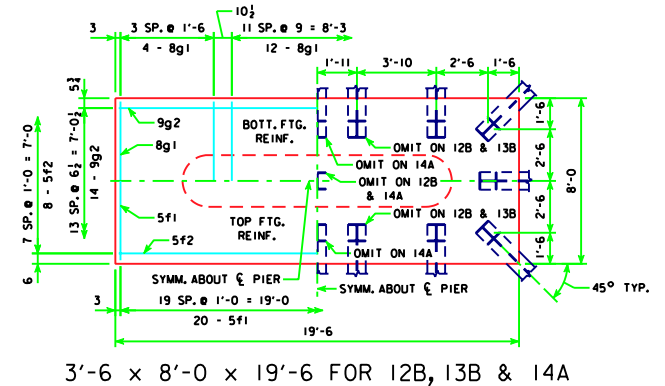
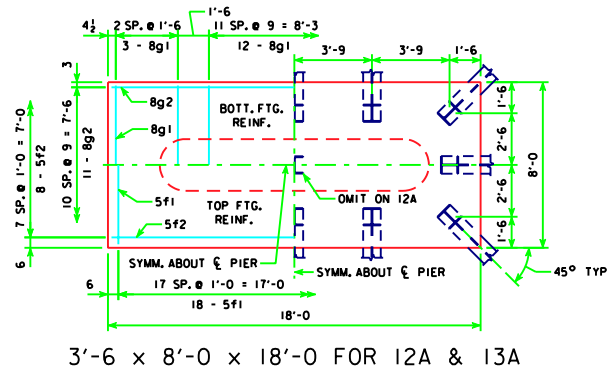


NOTE: D = PIN DIAMETER.
DIMENSIONS ARE OUT TO OUT.



CL - CL IN FT.	ABUT. BRG.	NO. & LAYOUT	DES. BRG. (TONS)	FOOTING SIZE
18 TO 20	201'-4	12A	48	3'-6 x 8' x 18'
20 TO 21	213'-10	12A	50	
21 TO 22	226'-4	13A	49	
22 TO 23	243'-0	13A	50	
23 TO 24	201'-4	12B	47	3'-6 x 8' x 19'-6
24 TO 25	213'-10	12B	49	
25 TO 26	226'-4	13B	48	
26 TO 27	243'-0	13B	50	
27 TO 28	201'-4	12B	48	3'-6 x 8' x 19'-6
28 TO 29	213'-10	12B	50	
29 TO 30	226'-4	13B	50	
30 TO 31	243'-0	14A	47	

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (L.B.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (L.B.)		
3'-6 x 8' x 18'	d2	32 - #9 AS SHOWN	8'-7	934	2112	18.7
	f1	18 - #5 @ 1'-0	7'-8	144		
	f2	8 - #5 @ 1'-0	17'-8	147		
	g1	18 - #8 AS SHOWN	7'-8	368		
3'-6 x 8' x 19'-6	g2	11 - #8 @ 0'-9	17'-8	519	2575	20.2
	d2	32 - #9 AS SHOWN	8'-7	934		
	f1	20 - #5 @ 1'-0	7'-8	160		
	f2	8 - #5 @ 1'-0	19'-2	160		
	g1	20 - #8 AS SHOWN	7'-8	409		
	g2	14 - #9 @ 0'-6 1/2	19'-2	912		

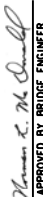
FOOTING NOTES:

THESE FOOTINGS ARE DESIGNED AND DETAILED TO BE USED WITH THE CAP AND COLUMN DETAILS OF THE TEE PIERS AS SHOWN ON SHEET H30-54-06.

BATTER PILES IN EXTERIOR ROWS 1:4 IN THE DIRECTION SHOWN.

PIER PILES (#H10x57) ARE TO BE DRIVEN TO THE DESIGN BEARING VALUE.

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	 Iowa Department of Transportation Highway Division	
		STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES	
		HL93 SUPERSTRUCTURE	DECEMBER, 2006
		TEE PIER - STEEL PILE FOOTINGS, H=16' TO 24' 15° SKEW	
		H30-55-06	