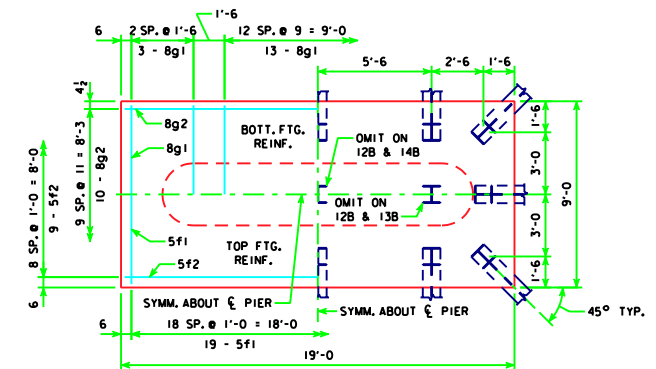
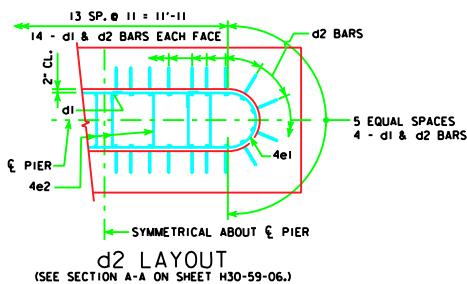
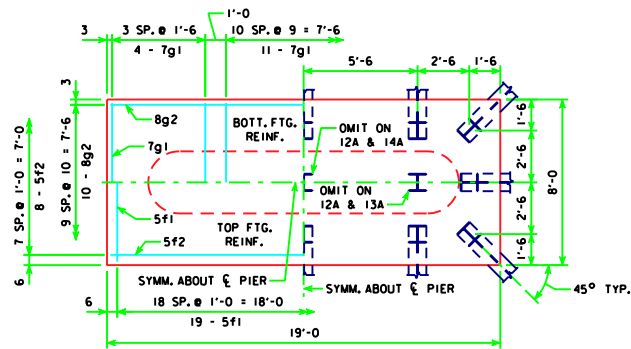


H IN FT.	CL ABUT. BRG.	PILING NO. & LAYOUT	DES. BRG. (TONS)	FOOTING SIZE
18 TO 20	201'-4	12A	49	3'-6 x 8' x 19'
21 TO 22	213'-10	12A	50	
23 TO 24	226'-4	13A	49	
25 TO 26	243'-0	14A	47	
27 TO 28	201'-4	12B	50	3'-6 x 9' x 19'
29 TO 30	213'-10	13B	49	
31 TO 32	226'-4	13B	50	
33 TO 34	243'-0	14B	48	
35 TO 36	201'-4	12C	50	3'-6 x 9' x 20'
37 TO 38	213'-10	13C	49	
39 TO 40	226'-4	14C	47	
41 TO 42	243'-0	14C	49	

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
3'-6 x 8' x 19'	d2	36 - #10 AS SHOWN	10'-0	1549	2653	19.7
	f1	19 - #5 @ 1'-0	7'-8	152		
	f2	8 - #5 @ 1'-0	18'-8	156		
	g1	19 - #7 AS SHOWN	7'-8	298		
	g2	10 - #8 @ 0'-10	18'-8	498		
3'-6 x 9' x 19'	d2	36 - #10 AS SHOWN	10'-0	1549	2834	22.2
	f1	19 - #5 @ 1'-0	8'-8	172		
	f2	9 - #5 @ 1'-0	18'-8	175		
	g1	19 - #8 AS SHOWN	8'-8	440		
	g2	10 - #8 @ 0'-11	18'-8	498		
3'-6 x 9' x 20'	d2	36 - #10 AS SHOWN	10'-0	1549	3008	23.3
	f1	20 - #5 @ 1'-0	8'-8	181		
	f2	9 - #5 @ 1'-0	19'-8	185		
	g1	20 - #8 AS SHOWN	8'-8	463		
	g2	12 - #8 @ 0'-9	19'-8	630		



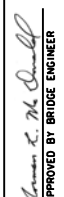
FOOTING NOTES:

THESE FOOTINGS ARE DESIGNED AND DETAILED TO BE USED WITH THE CAP AND COLUMN DETAILS OF THE TEE PIERS AS SHOWN ON SHEET H30-59-06.

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

PIER PILES (#P10x57) 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' 30° SKEW	
		H30-60-06	