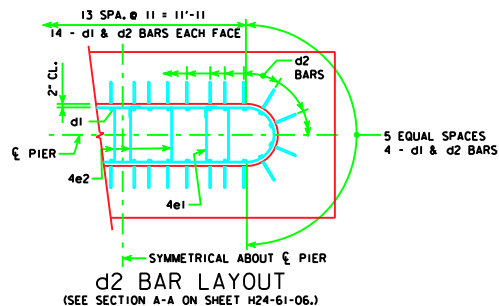
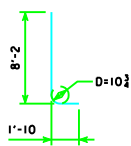


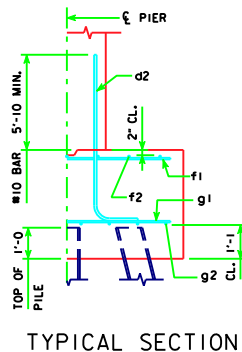


SYMMETRICAL ABOUT CL PIER
(SEE SECTION A-A ON SHEET H24-61-06.)

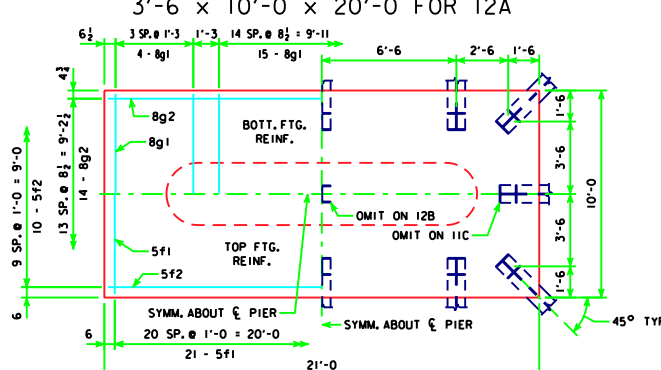
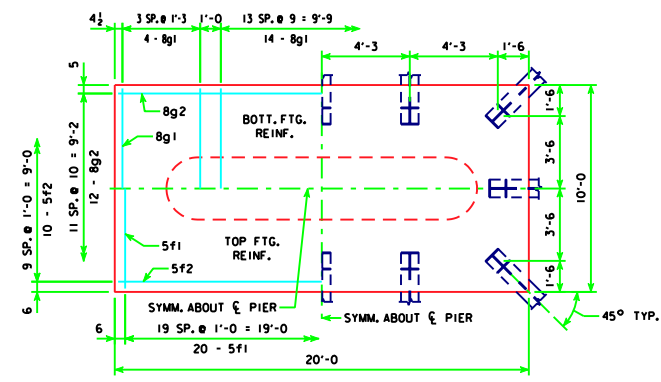
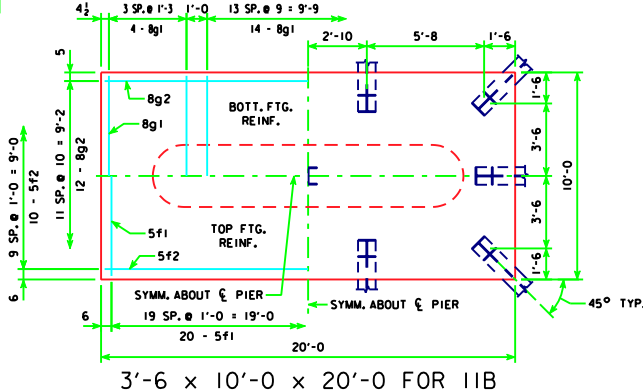
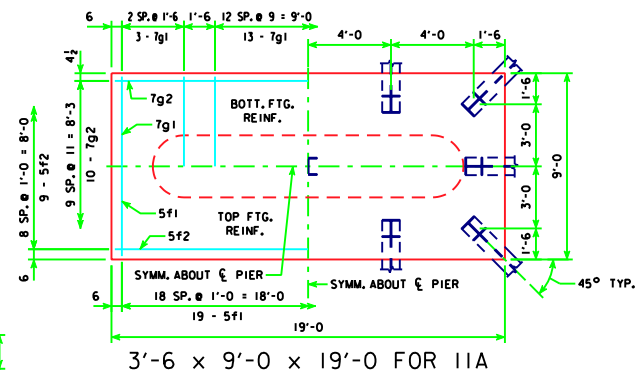
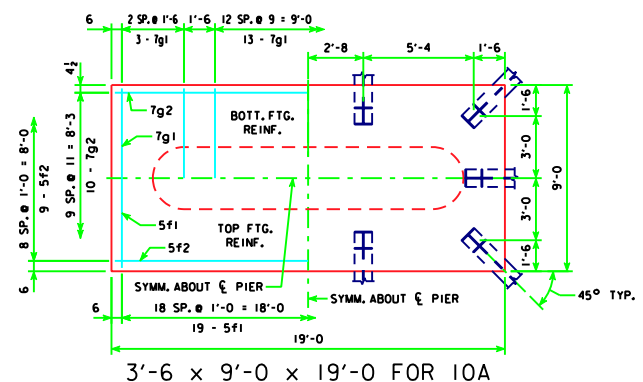


NOTE: D = PIN DIAMETER.
DIMENSIONS ARE OUT TO OUT.

H IN FT.	CL ABUT. BRG.	NO. OF PILES	DES. BRG. (TONS)	FOOTING SIZE
201'-4	10A	50		
213'-10	11A	47		3'-6 x 9' x 19'
226'-4	11A	49		
243'-0	11A	50		
201'-4	11B	47		
213'-10	11B	49		3'-6 x 10' x 20'
226'-4	11B	50		
243'-0	12A	48		
201'-4	11C	48		
213'-10	11C	50		3'-6 x 10' x 21'
226'-4	12B	46		
243'-0	12B	47		



TYPICAL SECTION



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 H24-61-06.

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

PIER PILES (HP10x57) 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.

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
3'-6 x 9' x 19'	d2	36 - #10 AS SHOWN	10'-0	1549	2615	22.2
	f1	19 - #5 @ 1'-0	8'-8	172		
	f2	9 - #5 @ 1'-0	18'-8	175		
	g1	19 - #7 AS SHOWN	8'-8	337		
	g2	10 - #7 @ 0'-11	18'-8	382		
3'-6 x 10' x 20'	d2	36 - #10 AS SHOWN	10'-0	1549	3154	25.9
	f1	20 - #5 @ 1'-0	9'-8	202		
	f2	10 - #5 @ 1'-0	19'-8	205		
	g1	22 - #8 AS SHOWN	9'-8	568		
	g2	12 - #8 @ 0'-10	19'-8	630		
3'-6 x 10' x 21'	d2	36 - #10 AS SHOWN	10'-0	1549	3344	27.2
	f1	21 - #5 @ 1'-0	9'-8	212		
	f2	10 - #5 @ 1'-0	20'-8	216		
	g1	23 - #8 AS SHOWN	9'-8	594		
	g2	14 - #8 @ 0'-8 1/2	20'-8	773		

LATEST REVISION DATE	<i>Michael 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	
			HL93 SUPERSTRUCTURE	DECEMBER, 2006
TEE PIER - STEEL PILE FOOTINGS, H=16' TO 24'		H24-62-06		
45° SKEW				