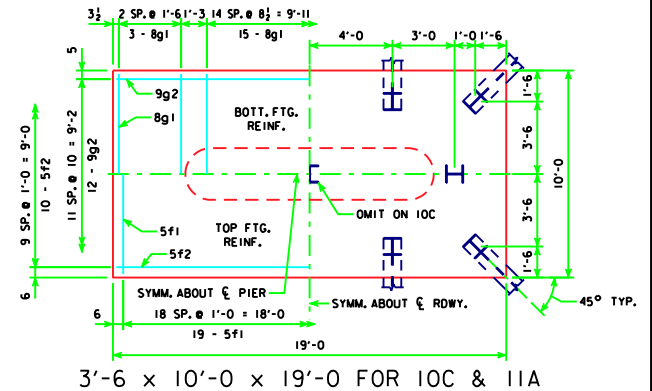
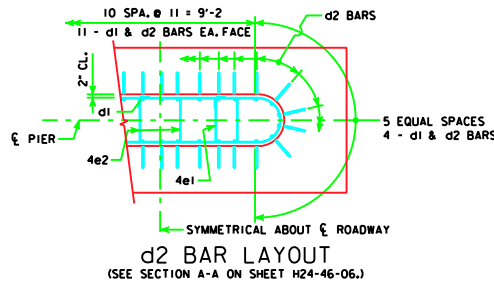
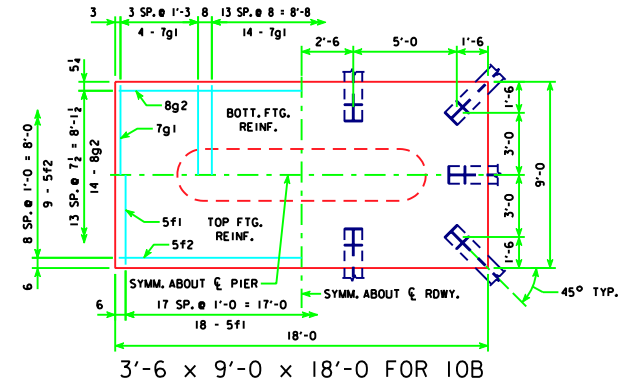
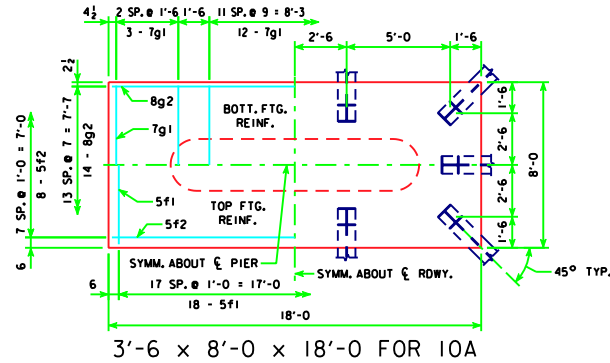
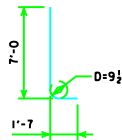


TYPICAL SECTION



H IN FT.	CL - CL ABUT. BRG.	PILING NO. & LAYOUT	DES. BRG. (TONS)	FOOTING SIZE
201'-4	10A	44		
213'-10	10A	46		3'-6 x 8' x 18'
226'-4	10A	48		
243'-0	10A	50		
201'-4	10B	46		
213'-10	10B	47		3'-6 x 9' x 18'
226'-4	10B	49		
243'-0	10B	50		
201'-4	10C	47		
213'-10	10C	48		3'-6 x 10' x 19'
226'-4	10C	49		
243'-0	11A	48		



d2
NOTE: D = PIN DIAMETER.
DIMENSIONS ARE OUT TO OUT.

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
3'-6 x 8' x 18'	d2	30 - #9 AS SHOWN	8'-7	876	2109	18.7
	f1	18 - #5 @ 1'-0	7'-8	144		
	f2	8 - #5 @ 1'-0	17'-8	147		
	g1	18 - #7 AS SHOWN	7'-8	282		
	g2	14 - #8 @ 0'-7	17'-8	660		
3'-6 x 9' x 18'	d2	30 - #9 AS SHOWN	8'-7	876	2255	21.0
	f1	18 - #5 @ 1'-0	8'-8	163		
	f2	9 - #5 @ 1'-0	17'-8	166		
	g1	22 - #7 AS SHOWN	8'-8	390		
	g2	14 - #8 @ 0'-7	17'-8	660		
3'-6 x 10' x 19'	d2	30 - #9 AS SHOWN	8'-7	876	2567	24.6
	f1	19 - #5 @ 1'-0	9'-8	192		
	f2	10 - #5 @ 1'-0	18'-8	195		
	g1	21 - #8 AS SHOWN	9'-8	542		
	g2	12 - #9 @ 0'-10	18'-8	762		

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 H24-46-06.

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.

LATEST REVISION DATE	 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 HS25 SUBSTRUCTURE
			TEE PIER - STEEL PILE FOOTINGS, H=16' TO 24' 0° SKEW
		H24-47-06	