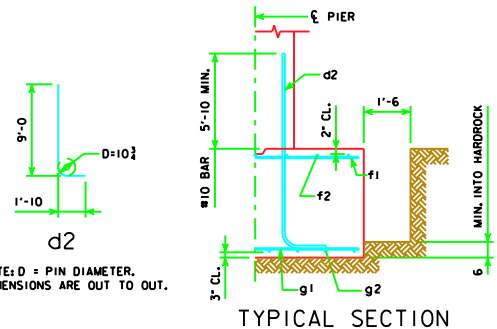
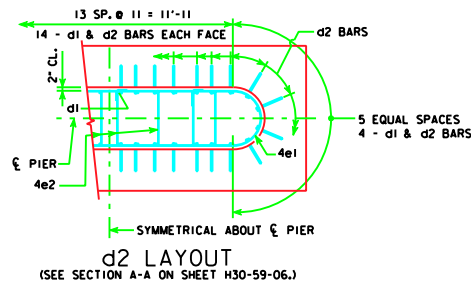
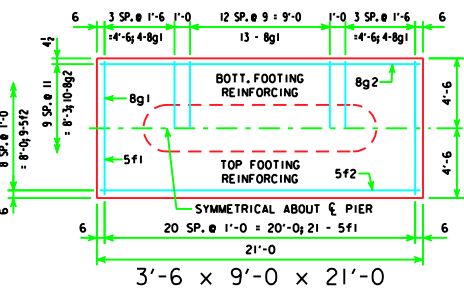
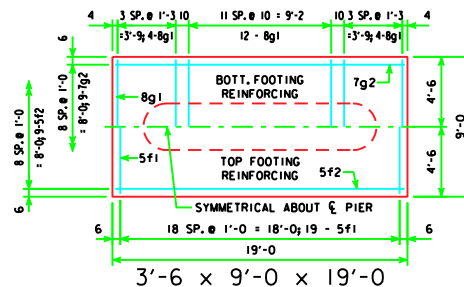
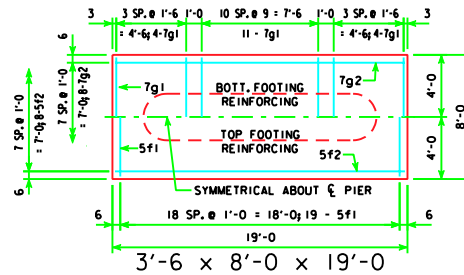
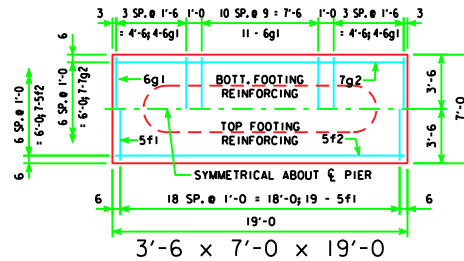


H IN FT.	CL - CL ABUT. BRG.	FOOTING SIZE
16 TO 18	138'-10 151'-4 163'-10 176'-4	3'-6 x 7' x 19'
18 TO 20	188'-10 201'-4 213'-10 226'-4	3'-6 x 8' x 19'
20 TO 22	243'-0 255'-4 267'-8 280'-2	3'-6 x 9' x 19'
22 TO 24	292'-6 305'-0 317'-4 330'-0	3'-6 x 9' x 21'

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
3'-6 x 7' x 19'	d2	36 - #10 AS SHOWN	10'-10	1678	2403	17.2
	f1	19 - #5 @ 1'-0	6'-8	132		
	f2	7 - #5 @ 1'-0	18'-8	136		
	g1	19 - #6 AS SHOWN	6'-8	190		
	g2	7 - #7 @ 1'-0	18'-8	267		
	d2	36 - #10 AS SHOWN	10'-10	1678		
3'-6 x 8' x 19'	f1	19 - #5 @ 1'-0	7'-8	152	2589	19.7
	f2	8 - #5 @ 1'-0	18'-8	156		
	g1	19 - #7 AS SHOWN	7'-8	298		
	g2	8 - #7 @ 1'-0	18'-8	305		
	d2	36 - #10 AS SHOWN	10'-10	1678		
	f1	19 - #5 @ 1'-0	8'-8	172		
3'-6 x 9' x 19'	f2	9 - #5 @ 1'-0	18'-8	175	2831	22.2
	g1	20 - #8 AS SHOWN	8'-8	463		
	g2	9 - #7 @ 1'-0	18'-8	343		
	d2	36 - #10 AS SHOWN	10'-10	1678		
	f1	21 - #5 @ 1'-0	8'-8	190		
	g1	21 - #8 AS SHOWN	8'-8	486		
3'-6 x 9' x 21'	g2	10 - #8 @ 0'-11	20'-8	552	3100	24.5



FOOTING NOTES:

THESE SPREAD 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.

THESE SPREAD FOOTINGS SHALL EXTEND AT LEAST 6 INCHES INTO SUITABLE FOUNDATION ROCK AND THE LAST 6 INCHES OF ROCK EXCAVATION SHALL BE TO NEAT LINES OF MASONRY. THE FOUNDATION ROCK SHALL HAVE AN ALLOWABLE BEARING VALUE OF AT LEAST 5 TONS PER SQUARE FOOT.

LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER <i>Norman L. McQuill</i>	 Iowa Department of Transportation Highway Division	STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES	
			PRETENSIONED PRESTRESSED	
			CONCRETE BEAM BRIDGES	
			HL93 SUPERSTRUCTURE	DECEMBER, 2006
			HS25 SUBSTRUCTURE	
TEE PIER - SPREAD			H30-62-06	
FOOTINGS, H=16' TO 24'				
30° SKEW				