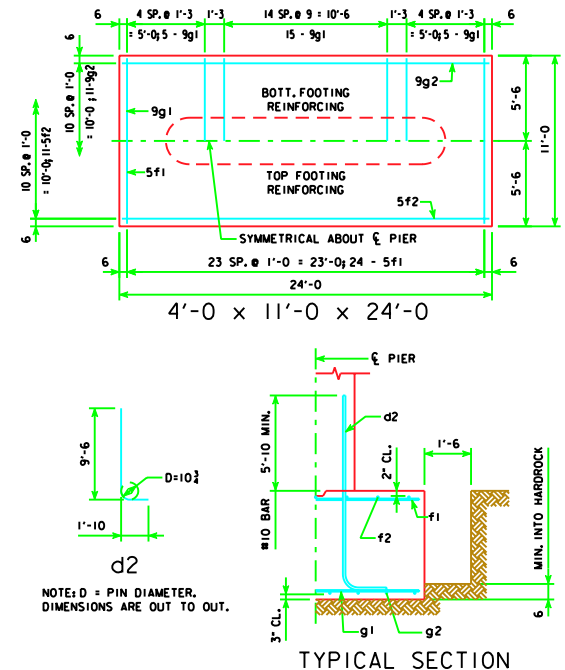
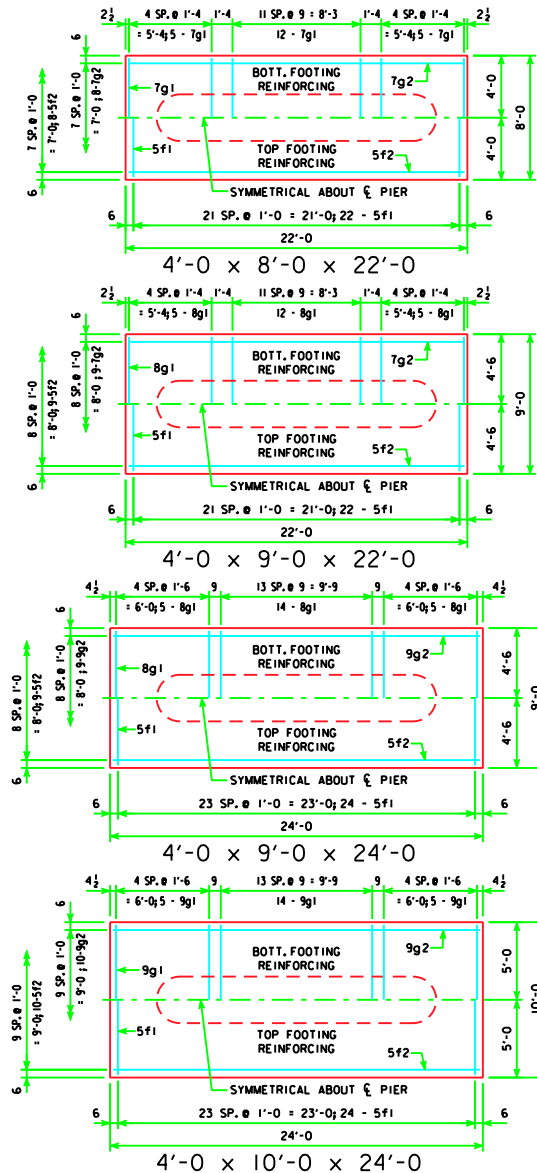
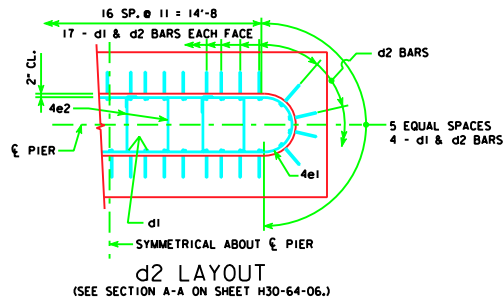


H IN FT.	CL. - ξ ABUT. B.R.G.	FOOTING SIZE
25 TO 27	138'-10 151'-4 163'-10 176'-4	4' x 8' x 22'
28 TO 30	188'-10 201'-4 213'-10 226'-4 243'-0	4' x 9' x 22'
31 TO 33	138'-10 151'-4 163'-10 176'-4 188'-10 201'-4 213'-10 226'-4 243'-0	4' x 8' x 22'
34 TO 36	138'-10 151'-4 163'-10 176'-4 188'-10 201'-4 213'-10 226'-4 243'-0	4' x 9' x 22'
37 TO 40	138'-10 151'-4 163'-10 176'-4 188'-10 201'-4 213'-10 226'-4 243'-0	4' x 10' x 24'
	138'-10 151'-4 163'-10 176'-4 188'-10 201'-4 213'-10 226'-4 243'-0	4' x 11' x 24'

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 8' x 22'	d2	42 - #10 AS SHOWN	11'-4	2048	3104	26.1
	f1	22 - #5 @ 1'-0	7'-8	176		
	f2	8 - #5 @ 1'-0	21'-8	181		
	g1	22 - #7 AS SHOWN	7'-8	345		
	g2	8 - #7 @ 1'-0	21'-8	354		
	d2	42 - #10 AS SHOWN	11'-4	2048		
4' x 9' x 22'	f1	22 - #5 @ 1'-0	8'-8	199	3358	29.3
	f2	9 - #5 @ 1'-0	21'-8	203		
	g1	22 - #8 AS SHOWN	8'-8	509		
	g2	9 - #7 @ 1'-0	21'-8	399		
	d2	42 - #10 AS SHOWN	11'-4	2048		
	f1	24 - #5 @ 1'-0	8'-8	217		
4' x 9' x 24'	f2	9 - #5 @ 1'-0	23'-8	222	3766	32.0
	g1	24 - #8 AS SHOWN	8'-8	555		
	g2	9 - #9 @ 1'-0	23'-8	724		
	d2	42 - #10 AS SHOWN	11'-4	2048		
	f1	24 - #5 @ 1'-0	9'-8	242		
	f2	10 - #5 @ 1'-0	23'-8	247		
4' x 10' x 24'	g1	24 - #9 AS SHOWN	9'-8	789	4131	35.6
	g2	10 - #9 @ 1'-0	23'-8	805		
	d2	42 - #10 AS SHOWN	11'-4	2048		
	f1	24 - #5 @ 1'-0	10'-8	267		
	f2	11 - #5 @ 1'-0	23'-8	272		
	g1	25 - #9 AS SHOWN	10'-8	907		
4' x 11' x 24'	g2	11 - #9 @ 1'-0	23'-8	885	4379	39.1



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 H30-64-06.

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	<i>Thomas E. McQuinn</i> 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
			HS25 SUBSTRUCTURE	
		TEE PIER - SPREAD FOOTINGS, H=25' TO 40' 45° SKEW		H30-68-06