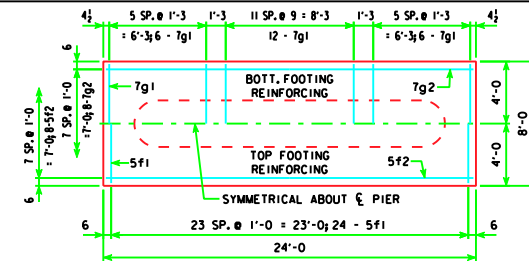
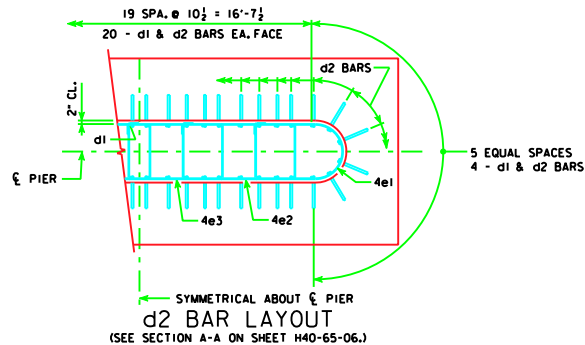
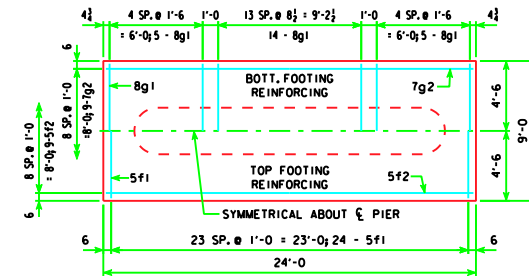


H IN FT.	℄ - ℄ ABUT. BRG.	FOOTING SIZE
25 TO 27	138'-10 151'-4 163'-10 176'-4 188'-10	4' x 8' x 24'
28 TO 30	201'-4 213'-10 226'-4 243'-0	4' x 9' x 24'
31 TO 33	138'-10 151'-4 163'-10 176'-4 188'-10 201'-4 213'-10 226'-4 243'-0	4' x 9' x 26'
34 TO 36	138'-10 151'-4 163'-10 176'-4 188'-10 201'-4 213'-10 226'-4 243'-0	4' x 10' x 26'
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 26'

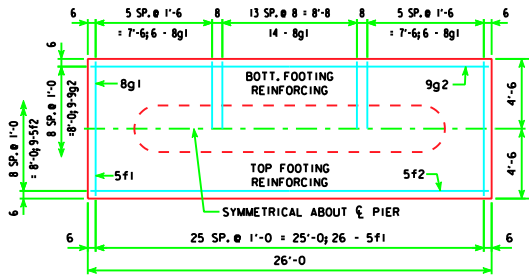
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (L.B.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (L.B.)		
4' x 8' x 24'	d2	48 - #10 AS SHOWN	11'-4	2341	3493	28.4
	f1	24 - #5 @ 1'-0	7'-8	192		
	f2	8 - #5 @ 1'-0	23'-8	197		
	g1	24 - #7 AS SHOWN	7'-8	376		
	g2	8 - #7 @ 1'-0	23'-8	387		
	d2	48 - #10 AS SHOWN	11'-4	2341		
4' x 9' x 24'	f1	24 - #5 @ 1'-0	8'-8	217	3770	32.0
	f2	9 - #5 @ 1'-0	23'-8	222		
	g1	24 - #8 AS SHOWN	8'-8	555		
	g2	9 - #7 @ 1'-0	23'-8	435		
	d2	48 - #10 AS SHOWN	11'-4	2341		
	f1	26 - #5 @ 1'-0	25'-8	241		
4' x 9' x 26'	f2	9 - #5 @ 1'-0	25'-8	241	4204	34.7
	g1	26 - #8 AS SHOWN	8'-8	602		
	g2	9 - #9 @ 1'-0	25'-8	785		
	d2	48 - #10 AS SHOWN	11'-4	2341		
	f1	26 - #5 @ 1'-0	9'-8	262		
	f2	10 - #5 @ 1'-0	25'-8	268		
4' x 10' x 26'	g1	26 - #9 AS SHOWN	9'-8	855	4599	38.5
	g2	10 - #9 @ 1'-0	25'-8	873		



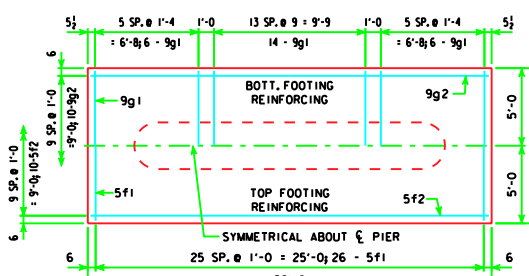
4'-0 x 8'-0 x 24'-0



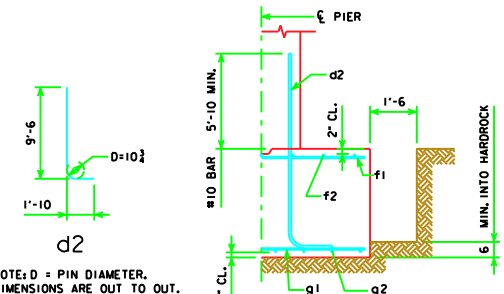
4'-0 x 9'-0 x 24'-0



4'-0 x 9'-0 x 26'-0



4'-0 x 10'-0 x 26'-0



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 H40-65-06.

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 L. McQuinn</i> APPROVED BY BRIDGE ENGINEER		Iowa Department of Transportation Highway Division	
			STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE	
			PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES	
			HL93 SUPERSTRUCTURE	DECEMBER, 2006
			HS25 SUBSTRUCTURE	
TEE PIER - SPREAD FOOTINGS, H=25' TO 40'		H40-70-06		
30° SKEW				