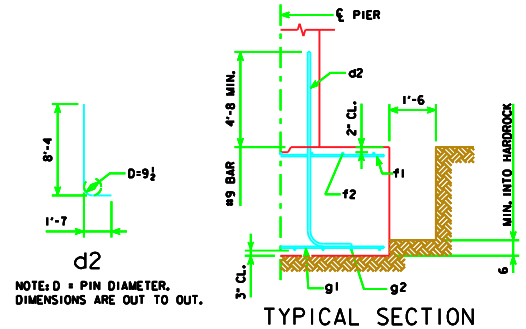
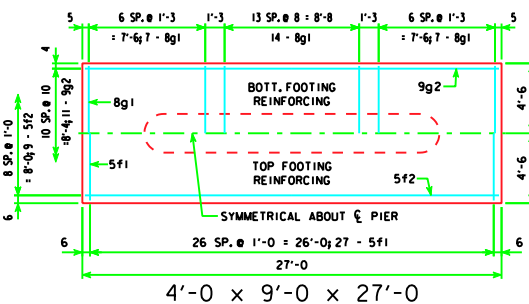
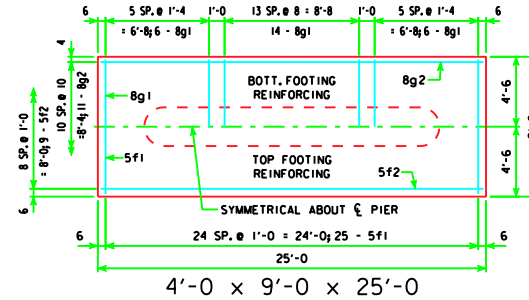
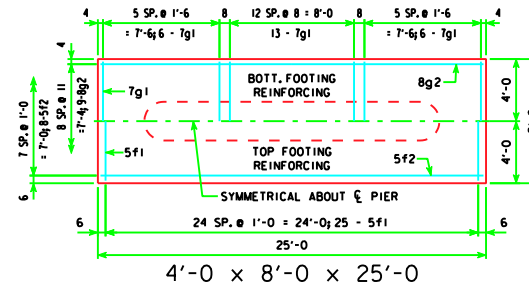
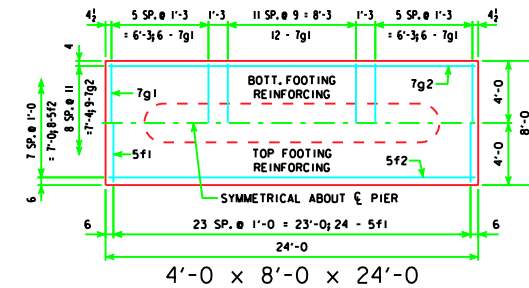
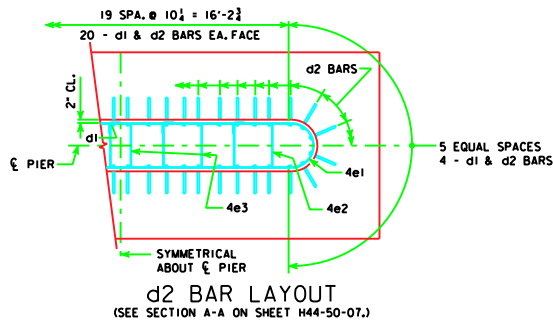


H IN FT.	C - C ABUT. BRG.	FOOTING SIZE	FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (L.B.)	STRUCTURAL CONCRETE (CY)
				BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (L.B.)		
25 TO 27	138'-10 151'-4 163'-10 176'-4 188'-10 201'-4 213'-10 226'-4 243'-0	4' x 8' x 24'	4' x 8' x 24'	d2	48 - #9 AS SHOWN	9'-11	1618	2818	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	9 - #7 @ 0'-11	23'-8	435		
				d2	48 - #9 AS SHOWN	9'-11	1618		
				f1	25 - #5 @ 1'-0	7'-8	200		
				f2	8 - #5 @ 1'-0	24'-8	206		
				g1	25 - #7 AS SHOWN	7'-8	392		
				g2	9 - #8 @ 0'-11	24'-8	593		
28 TO 30	138'-10 151'-4 163'-10 176'-4 188'-10 201'-4 213'-10 226'-4 243'-0	4' x 8' x 24'	4' x 9' x 25'	d2	48 - #9 AS SHOWN	9'-11	1618	3009	29.6
				f1	25 - #5 @ 1'-0	8'-8	226		
				f2	9 - #5 @ 1'-0	24'-8	232		
				g1	26 - #8 AS SHOWN	8'-8	602		
				g2	11 - #8 @ 0'-10	24'-8	724		
				d2	48 - #9 AS SHOWN	9'-11	1618		
				f1	27 - #5 @ 1'-0	8'-8	244		
				f2	9 - #5 @ 1'-0	26'-8	250		
				g1	28 - #8 AS SHOWN	8'-8	648		
				g2	11 - #9 @ 0'-10	26'-8	997		
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 24'	4' x 9' x 27'	d2	48 - #9 AS SHOWN	9'-11	1618	3402	33.3
				f1	25 - #5 @ 1'-0	8'-8	226		
				f2	9 - #5 @ 1'-0	24'-8	232		
				g1	26 - #8 AS SHOWN	8'-8	602		
				g2	11 - #8 @ 0'-10	24'-8	724		
				d2	48 - #9 AS SHOWN	9'-11	1618		
				f1	27 - #5 @ 1'-0	8'-8	244		
				f2	9 - #5 @ 1'-0	26'-8	250		
				g1	28 - #8 AS SHOWN	8'-8	648		
				g2	11 - #9 @ 0'-10	26'-8	997		
34 TO 36	138'-10 151'-4 163'-10 176'-4 188'-10 201'-4 213'-10 226'-4 243'-0	4' x 8' x 25'	4' x 9' x 25'	d2	48 - #9 AS SHOWN	9'-11	1618	3757	36.0
				f1	25 - #5 @ 1'-0	8'-8	226		
				f2	9 - #5 @ 1'-0	24'-8	232		
				g1	26 - #8 AS SHOWN	8'-8	602		
				g2	11 - #8 @ 0'-10	24'-8	724		
				d2	48 - #9 AS SHOWN	9'-11	1618		
				f1	27 - #5 @ 1'-0	8'-8	244		
				f2	9 - #5 @ 1'-0	26'-8	250		
				g1	28 - #8 AS SHOWN	8'-8	648		
				g2	11 - #9 @ 0'-10	26'-8	997		
37 TO 40	138'-10 151'-4 163'-10 176'-4 188'-10 201'-4 213'-10 226'-4 243'-0	4' x 8' x 25'	4' x 9' x 27'	d2	48 - #9 AS SHOWN	9'-11	1618	3757	36.0
				f1	25 - #5 @ 1'-0	8'-8	226		
				f2	9 - #5 @ 1'-0	24'-8	232		
				g1	26 - #8 AS SHOWN	8'-8	602		
				g2	11 - #8 @ 0'-10	24'-8	724		
				d2	48 - #9 AS SHOWN	9'-11	1618		
				f1	27 - #5 @ 1'-0	8'-8	244		
				f2	9 - #5 @ 1'-0	26'-8	250		
				g1	28 - #8 AS SHOWN	8'-8	648		
				g2	11 - #9 @ 0'-10	26'-8	997		



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 H44-50-07.

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 - 44' ROADWAY, THREE SPAN BRIDGE	
		PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES	
		HL93 SUPERSTRUCTURE	HS25 SUBSTRUCTURE
		TEE PIER - SPREAD FOOTINGS, H=25' TO 40'	
		H44-55-07	