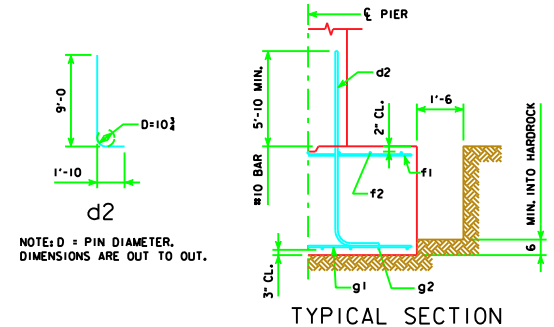
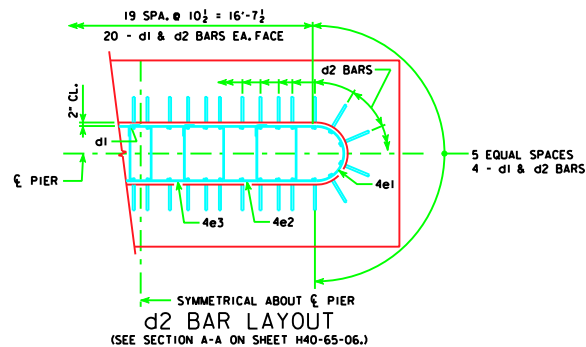
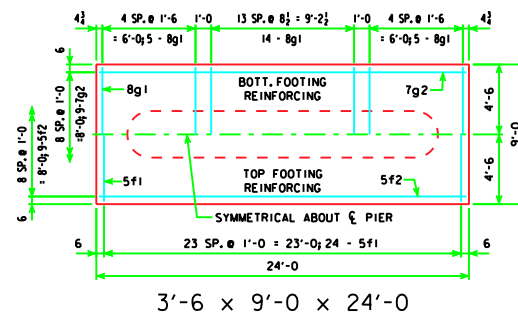
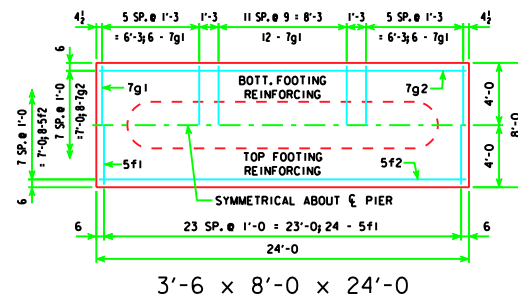
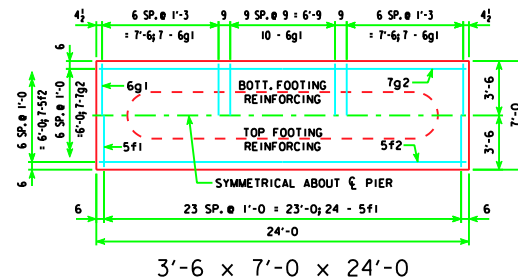


H IN FT.	ξ - ξ ABUT. BRG.	FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)	
			BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)			
16 TO 18	138'-10	3'-6 x 7' x 24'	d2	48 - #10 AS SHOWN	10'-10	2238	3157	21.8	
	f1		24 - #5 @ 1'-0	6'-8	167				
	f2		7 - #5 @ 1'-0	23'-8	173				
	g1	24 - #6 AS SHOWN	6'-8	240					
	g2	7 - #7 @ 1'-0	23'-8	339					
	188'-10	3'-6 x 8' x 24'	d2	48 - #10 AS SHOWN	10'-10	2238	3390	24.9	
	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					
19 TO 21	138'-10	3'-6 x 7' x 24'	d2	48 - #10 AS SHOWN	10'-10	2238	3667	28.0	
	f1		24 - #5 @ 1'-0	8'-8	217				
	f2		9 - #5 @ 1'-0	23'-8	222				
	g1	24 - #8 AS SHOWN	8'-8	555					
	g2	9 - #7 @ 1'-0	23'-8	435					
	188'-10	3'-6 x 8' x 24'							
	201'-4	3'-6 x 9' x 24'							
	213'-10								
22 TO 24	226'-4	3'-6 x 7' x 24'							
	243'-0								
	163'-10	3'-6 x 8' x 24'							
	176'-4								
	188'-10	3'-6 x 9' x 24'							
	201'-4								
	213'-10								
	226'-4								
	243'-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	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=16' TO 24' 30° SKEW
		H40-69-06