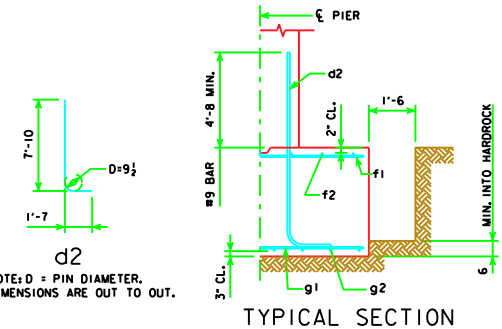
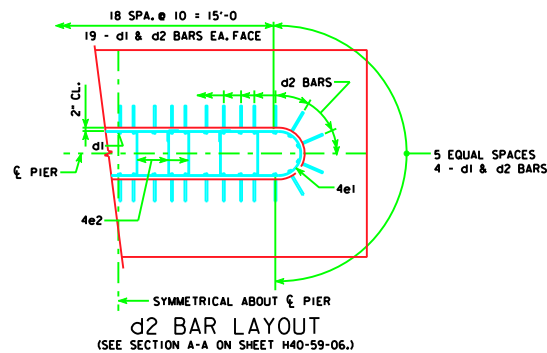
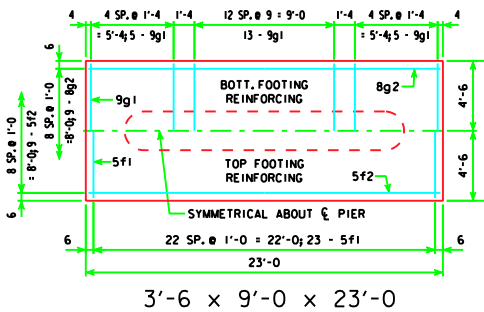
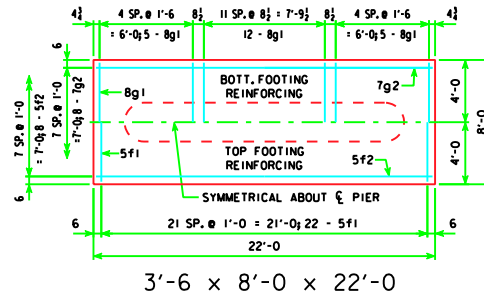
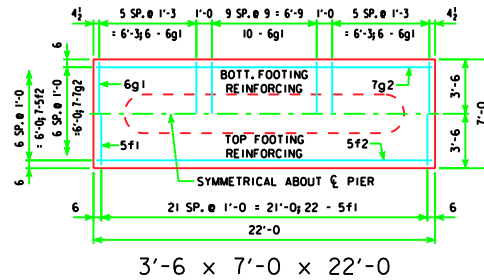


H IN FT.	ξ - ξ ABUT. BRG.	FOOTING SIZE	FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (L.B.)	STRUCTURAL CONCRETE (CY)		
				BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (L.B.)				
16 TO 18	138'-10	3'-6 x 7' x 22'	3'-6 x 7' x 22'	d2	46 - #9 AS SHOWN	9'-5	1473	2314	20.0		
	f1			22 - #5 @ 1'-0	6'-8	153					
	f2			7 - #5 @ 1'-0	21'-8	158					
	176'-4	3'-6 x 8' x 22'	3'-6 x 8' x 22'	g1	22 - #6 AS SHOWN	6'-8	220				
	201'-4			g2	7 - #7 @ 1'-0	21'-8	310				
	213'-10			d2	46 - #9 AS SHOWN	9'-5	1473			2634	22.8
	226'-4	f1	22 - #5 @ 1'-0	7'-8	176						
	243'-0	f2	8 - #5 @ 1'-0	21'-8	181						
	19 TO 21	138'-10	3'-6 x 7' x 22'	3'-6 x 8' x 22'	g1	22 - #8 AS SHOWN	7'-8	450			
151'-4		g2			8 - #7 @ 1'-0	21'-8	354				
163'-10		d2			46 - #9 AS SHOWN	9'-5	1473	3117			26.8
176'-4		f1	23 - #5 @ 1'-0	8'-8	208						
188'-10		f2	9 - #5 @ 1'-0	22'-8	213						
201'-4		3'-6 x 9' x 23'	3'-6 x 9' x 23'	g1	23 - #9 AS SHOWN	8'-8	678				
213'-10				g2	9 - #8 @ 1'-0	22'-8	545				
226'-4											
243'-0											
22 TO 24	138'-10	3'-6 x 8' x 22'	3'-6 x 9' x 23'								
	151'-4										
	163'-10										
	176'-4	3'-6 x 8' x 22'	3'-6 x 9' x 23'								
	188'-10										
	201'-4										
	213'-10	3'-6 x 9' x 23'	3'-6 x 9' x 23'								
	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 H40-59-06.

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	<i>Thomas E. 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=16' TO 24' 15° SKEW	
		H40-63-06	