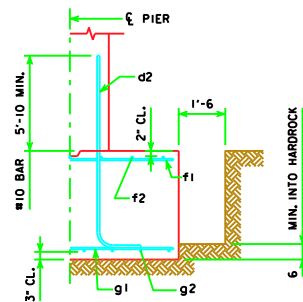
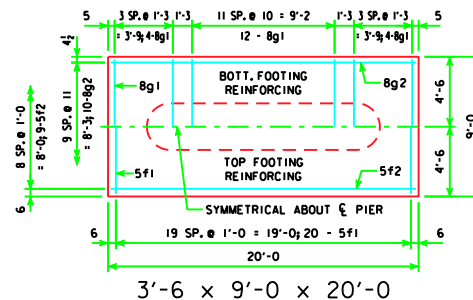
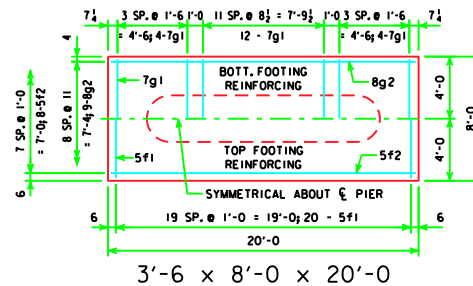
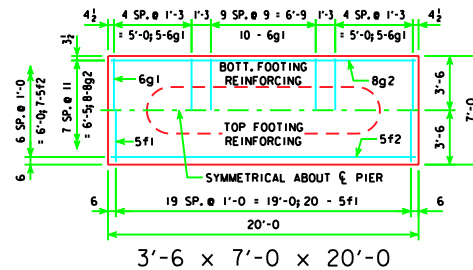
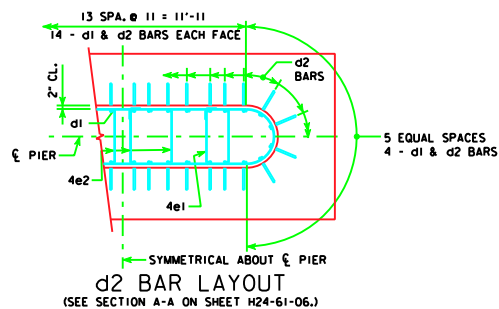


H IN FT.	S - E ABUT. BRG.	MIN. BRG. (TSF)	FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)		
				BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)				
16 TO 18	138'-10"	5	3'-6" x 7' x 20'	d2	36 - #10 AS SHOWN	10'-10"	1678	2581	18.1		
	f1			20 - #5 @ 1'-0"	6'-8"	139					
	f2			7 - #5 @ 1'-0"	19'-8"	144					
	g1			20 - #6 AS SHOWN	6'-8"	200					
	g2			8 - #8 @ 0'-11"	19'-8"	420					
	213'-10"	5	3'-6" x 8' x 20'	d2	36 - #10 AS SHOWN	10'-10"	1678	2788	20.7		
	f1			20 - #5 @ 1'-0"	7'-8"	160					
	f2			8 - #5 @ 1'-0"	19'-8"	164					
	g1			20 - #7 AS SHOWN	7'-8"	313					
	g2			9 - #8 @ 0'-11"	19'-8"	473					
19 TO 21	163'-10"	5	3'-6" x 8' x 20'	d2	36 - #10 AS SHOWN	10'-10"	1678	3032	23.3		
	f1			20 - #5 @ 1'-0"	8'-8"	181					
	f2			9 - #5 @ 1'-0"	19'-8"	185					
	g1			20 - #8 AS SHOWN	8'-8"	463					
	g2			10 - #8 @ 0'-11"	19'-8"	525					
	213'-10"	5	3'-6" x 9' x 20'								
	226'-4"										
	243'-0"										
	138'-10"			5	3'-6" x 8' x 20'						
	151'-4"										
163'-10"											
176'-4"	5	3'-6" x 9' x 20'									
188'-10"											
201'-4"											
213'-10"											
226'-4"											
22 TO 24	243'-0"	5	3'-6" x 8' x 20'								
	138'-10"										
	151'-4"										
	163'-10"										
	176'-4"										
	188'-10"	5	3'-6" x 9' x 20'								
	201'-4"										
	213'-10"										
	226'-4"										
	243'-0"										



TYPICAL SECTION



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 H24-61-06.

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. SEE TABLE FOR MINIMUM ALLOWABLE BEARING VALUE REQUIRED FOR THE FOUNDATION ROCK.

LATEST REVISION DATE	 Iowa Department of Transportation <i>Highway Division</i>	STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE	
		PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES	
APPROVED BY: <i>Thomas L. McQuinn</i> BRIDGE ENGINEER	HL93 SUPERSTRUCTURE	DECEMBER, 2006	H525 SUBSTRUCTURE
	TEE PIER - SPREAD FOOTINGS, H=16' TO 24' 45° SKEW		H24-64-06