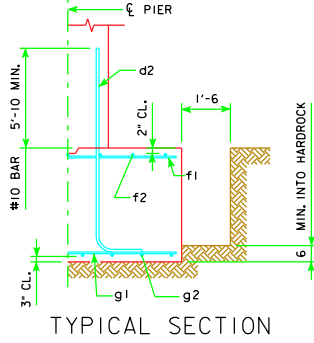
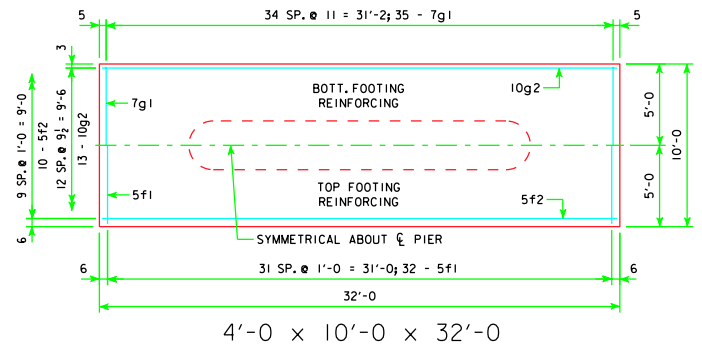
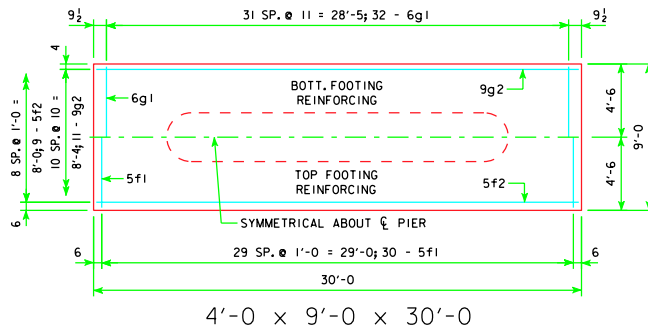
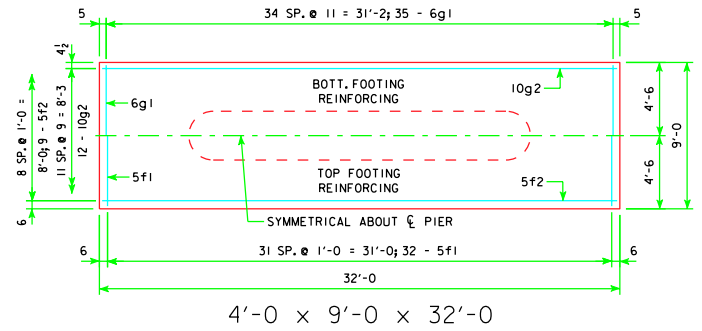
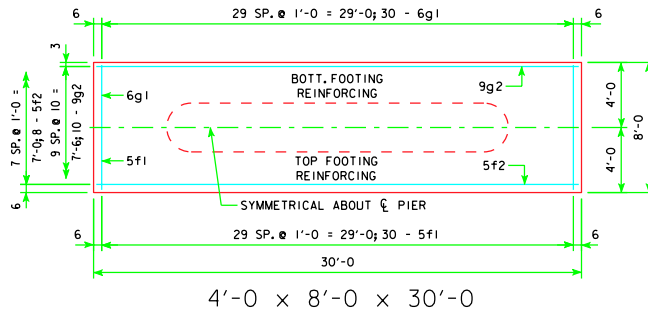


REVISED 11-09 - SHEET WAS REVISED TO MEET LRFD SPECIFICATIONS.

H IN FT.	℄ - ℄ ABUT. BRG.	FOOTING SIZE
25 TO 27	138'-10 151'-4 163'-10 176'-4 188'-10	4' x 8' x 30'
	201'-4 213'-10 226'-4 243'-0	4' x 9' x 30'
	201'-4 213'-10 226'-4 243'-0	4' x 9' x 32'
28 TO 30	138'-10 151'-4 163'-10 176'-4 188'-10	4' x 8' x 30'
	201'-4 213'-10 226'-4 243'-0	4' x 9' x 30'
	201'-4 213'-10 226'-4 243'-0	4' x 9' x 32'
	201'-4 213'-10 226'-4 243'-0	4' x 10' x 32'
31 TO 33	138'-10 151'-4 163'-10 176'-4 188'-10	4' x 9' x 30'
	201'-4 213'-10 226'-4 243'-0	4' x 9' x 32'
	201'-4 213'-10 226'-4 243'-0	4' x 10' x 32'
	201'-4 213'-10 226'-4 243'-0	4' x 10' x 34'
34 TO 36	138'-10 151'-4 163'-10 176'-4 188'-10	4' x 9' x 30'
	201'-4 213'-10 226'-4 243'-0	4' x 9' x 32'
	201'-4 213'-10 226'-4 243'-0	4' x 10' x 32'
	201'-4 213'-10 226'-4 243'-0	4' x 10' x 34'
37 TO 40	138'-10 151'-4 163'-10 176'-4 188'-10	4' x 9' x 32'
	201'-4 213'-10 226'-4 243'-0	4' x 9' x 32'
	201'-4 213'-10 226'-4 243'-0	4' x 10' x 32'
	201'-4 213'-10 226'-4 243'-0	4' x 10' x 34'



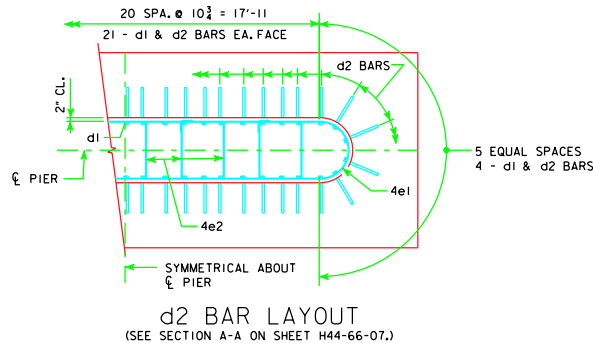
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)					STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)	TOTAL WEIGHT (LB.)	
4' x 8' x 30'	d2	50 - #10 AS SHOWN	11'-4	2438	4280	35.6
	f1	30 - #5 @ 1'-0	7'-8	240		
	f2	8 - #5 @ 1'-0	29'-8	248		
	g1	30 - #6 @ 1'-0	7'-8	345		
	g2	10 - #9 @ 0'-10	29'-8	1009		
4' x 9' x 30'	d2	50 - #10 AS SHOWN	11'-4	2438	4514	40.0
	f1	30 - #5 @ 1'-0	8'-8	271		
	f2	9 - #5 @ 1'-0	29'-8	278		
	g1	32 - #6 @ 0'-11	8'-8	417		
	g2	11 - #9 @ 0'-10	29'-8	1110		
4' x 9' x 32'	d2	50 - #10 AS SHOWN	11'-4	2438	5115	42.7
	f1	32 - #5 @ 1'-0	8'-8	289		
	f2	9 - #5 @ 1'-0	31'-8	297		
	g1	35 - #6 @ 0'-11	8'-8	456		
	g2	12 - #10 @ 0'-9	31'-8	1635		
4' x 10' x 32'	d2	50 - #10 AS SHOWN	11'-4	2438	5554	47.4
	f1	32 - #5 @ 1'-0	9'-8	323		
	f2	10 - #5 @ 1'-0	31'-8	330		
	g1	35 - #7 @ 0'-11	9'-8	692		
	g2	13 - #10 @ 0'-9½	31'-8	1771		
4' x 10' x 34'	d2	50 - #10 AS SHOWN	11'-4	2438	6036	50.4
	f1	34 - #5 @ 1'-0	9'-8	343		
	f2	10 - #5 @ 1'-0	33'-8	351		
	g1	37 - #7 @ 0'-11	9'-8	731		
	g2	15 - #10 @ 0'-8	33'-8	2173		



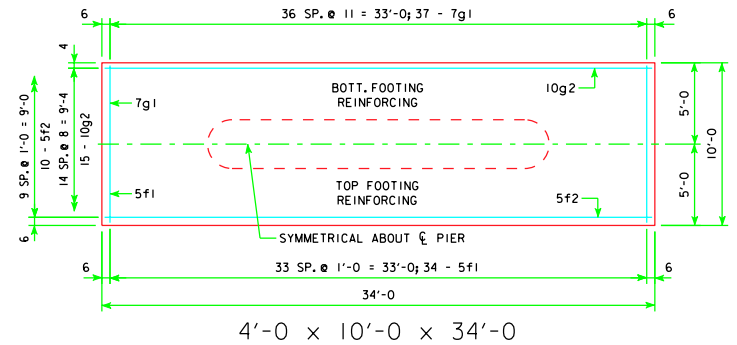
FOOTING NOTES:

THESE SPREAD FOOTINGS ARE DESIGNED AND DETAILED TO BE USED WITH THE CAP AND COLUMN DETAILS OF THE TEE PIERS AS SHOWN ON SHEET H44-66-07.

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 A MINIMUM LRFD NOMINAL BEARING RESISTANCE OF 30 KIIPS PER SQUARE FOOT (ALLOWABLE BEARING VALUE OF AT LEAST 5 TONS PER SQUARE FOOT).



NOTE: D = PIN DIAMETER.
DIMENSIONS ARE OUT TO OUT.



11-09 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 MARCH, 2007	
		TEE PIER - SPREAD FOOTINGS 30° SKEW - H=25' TO 40'	H44-73-07