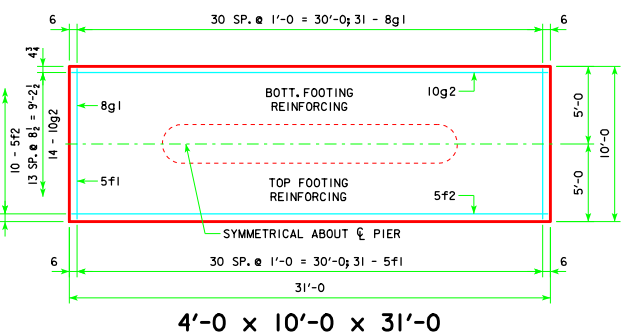
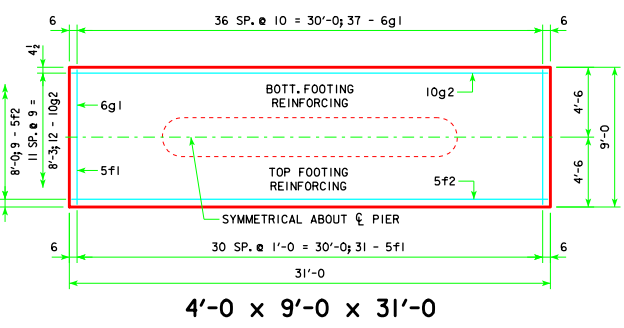
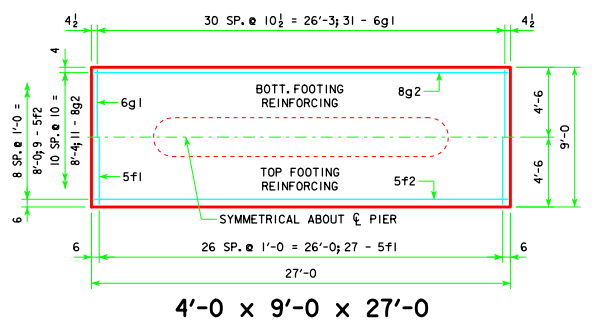
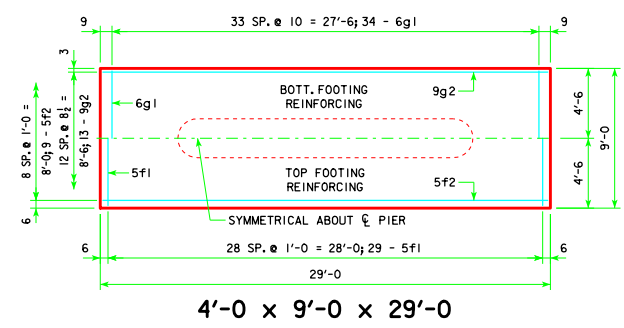
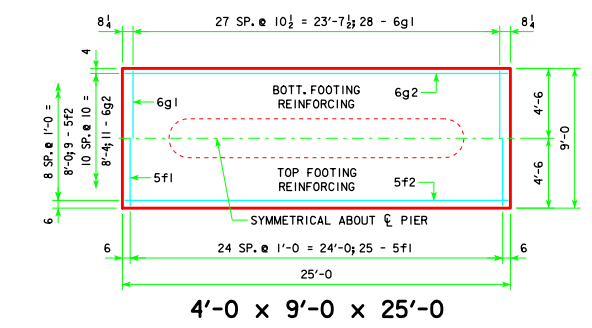
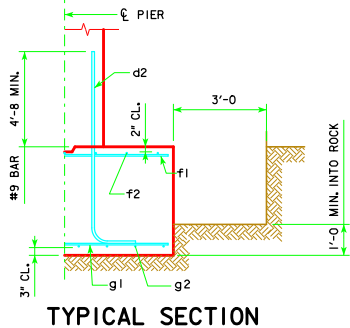


REVISED 04-12 - EXCAVATION LIMIT WAS CHANGED TO 3'-0".

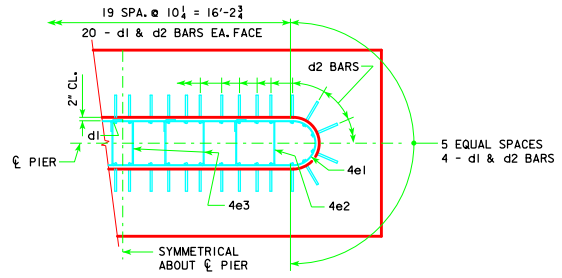
H IN FT.	CL - CL ABUT. BRG.	FOOTING SIZE
25 TO 27	138'-10"	4' x 9' x 25'
	151'-4"	4' x 9' x 27'
	163'-10"	4' x 9' x 29'
	176'-4"	4' x 9' x 31'
	188'-10"	4' x 9' x 31'
	201'-4"	4' x 9' x 31'
	213'-10"	4' x 9' x 31'
	226'-4"	4' x 10' x 31'
	243'-0"	4' x 10' x 31'
28 TO 30	138'-10"	4' x 9' x 27'
	151'-4"	4' x 9' x 27'
	163'-10"	4' x 9' x 29'
	176'-4"	4' x 9' x 29'
	188'-10"	4' x 9' x 29'
	201'-4"	4' x 9' x 31'
	213'-10"	4' x 9' x 31'
	226'-4"	4' x 10' x 31'
	243'-0"	4' x 10' x 31'
31 TO 33	138'-10"	4' x 9' x 27'
	151'-4"	4' x 9' x 27'
	163'-10"	4' x 9' x 29'
	176'-4"	4' x 9' x 29'
	188'-10"	4' x 9' x 31'
	201'-4"	4' x 9' x 31'
	213'-10"	4' x 9' x 31'
	226'-4"	4' x 10' x 31'
	243'-0"	4' x 10' x 31'
34 TO 36	138'-10"	4' x 9' x 27'
	151'-4"	4' x 9' x 29'
	163'-10"	4' x 9' x 29'
	176'-4"	4' x 9' x 29'
	188'-10"	4' x 9' x 31'
	201'-4"	4' x 9' x 31'
	213'-10"	4' x 10' x 31'
	226'-4"	4' x 10' x 31'
	243'-0"	4' x 10' x 31'
37 TO 40	138'-10"	4' x 9' x 27'
	151'-4"	4' x 9' x 29'
	163'-10"	4' x 9' x 29'
	176'-4"	4' x 9' x 31'
	188'-10"	4' x 9' x 31'
	201'-4"	4' x 9' x 31'
	213'-10"	4' x 10' x 31'
	226'-4"	4' x 10' x 31'
	243'-0"	4' x 10' x 31'



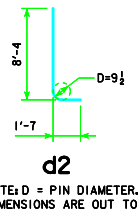
FOOTING NOTES:

THESE SPREAD FOOTINGS ARE DESIGNED AND DETAILED TO BE USED WITH THE CAP AND COLUMN DETAILS OF THE TEE PIERS AS SHOWN ON SHEET H44-58-07.

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).



d2 BAR LAYOUT
(SEE SECTION A-A ON SHEET H44-58-07.)



d2
NOTE: D = PIN DIAMETER. DIMENSIONS ARE OUT TO OUT.

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (L.B.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (L.B.)		
4' x 9' x 25'	d2	48 - #9 AS SHOWN	9'-11	1618	2848	33.3
	f1	25 - #5 @ 1'-0	8'-8	226		
	f2	9 - #5 @ 1'-0	24'-8	232		
	g1	28 - #6 @ 0'-10 1/2	8'-8	364		
	g2	11 - #6 @ 0'-10	24'-8	408		
4' x 9' x 27'	d2	48 - #9 AS SHOWN	9'-11	1618	3299	36.0
	f1	27 - #5 @ 1'-0	8'-8	244		
	f2	9 - #5 @ 1'-0	26'-8	250		
	g1	31 - #6 @ 0'-10 1/2	8'-8	404		
	g2	11 - #8 @ 0'-10	26'-8	783		
4' x 9' x 29'	d2	48 - #9 AS SHOWN	9'-11	1618	3859	38.7
	f1	29 - #5 @ 1'-0	8'-8	262		
	f2	9 - #5 @ 1'-0	28'-8	269		
	g1	34 - #6 @ 0'-10	8'-8	443		
	g2	13 - #9 @ 0'-8 1/2	28'-8	1267		
4' x 9' x 31'	d2	48 - #9 AS SHOWN	9'-11	1618	4252	41.3
	f1	31 - #5 @ 1'-0	8'-8	280		
	f2	9 - #5 @ 1'-0	30'-8	288		
	g1	37 - #6 @ 0'-10	8'-8	482		
	g2	12 - #10 @ 0'-9	30'-8	1584		
4' x 10' x 31'	d2	48 - #9 AS SHOWN	9'-11	1618	4898	45.9
	f1	31 - #5 @ 1'-0	9'-8	313		
	f2	10 - #5 @ 1'-0	30'-8	320		
	g1	31 - #8 @ 1'-0	9'-8	800		
	g2	14 - #10 @ 0'-8 1/2	30'-8	1847		

LATEST REVISION DATE

04-12

APPROVED BY BRIDGE ENGINEER

Thomas E. M. Dwyer

Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 44' ROADWAY, THREE SPAN BRIDGE

PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES

MARCH, 2007

TEE PIER - SPREAD FOOTINGS

15° SKEW - H=25' TO 40'

H44-65-07