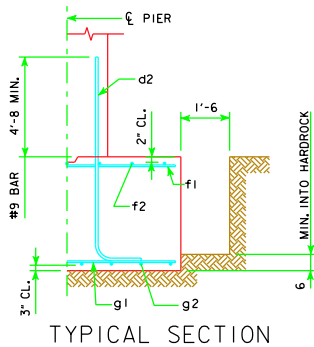
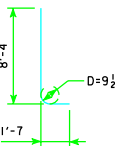


REVISED 01-10 - ADDED FOOTING NOTES.

FIN IN FT.	CL. - CL. ABUT. - BRG.	FOOTING SIZE
25 TO 27	138'-10 151'-4 163'-10 176'-4 188'-10 201'-4	4' x 8' x 25' 4' x 8' x 27'
28 TO 30	138'-10 151'-4 163'-10 176'-4 188'-10 201'-4 213'-10 226'-4 243'-0	4' x 9' x 27' 4' x 8' x 27' 4' x 9' x 27' 4' x 9' x 29' 4' x 8' x 27' 4' x 9' x 27' 4' x 9' x 29' 4' x 10' x 29'
31 TO 33	138'-10 151'-4 163'-10 176'-4 188'-10 201'-4 213'-10 226'-4 243'-0	4' x 8' x 27' 4' x 9' x 27' 4' x 9' x 29' 4' x 10' x 29'
34 TO 36	138'-10 151'-4 163'-10 176'-4 188'-10 201'-4 213'-10 226'-4 243'-0	4' x 8' x 27' 4' x 9' x 27' 4' x 9' x 29' 4' x 10' x 29'
37 TO 40	138'-10 151'-4 163'-10 176'-4 188'-10 201'-4 213'-10 226'-4 243'-0	4' x 9' x 27' 4' x 9' x 29'



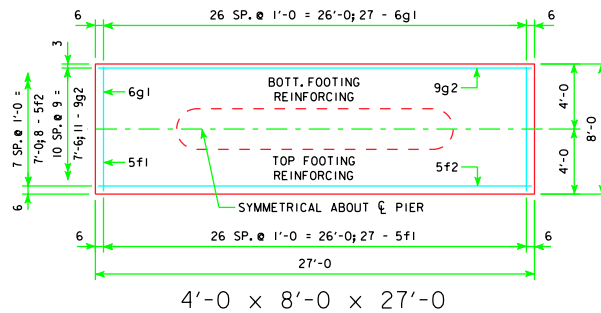
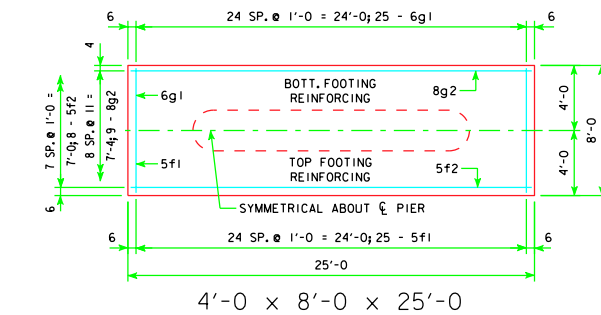
TYPICAL SECTION



d2

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

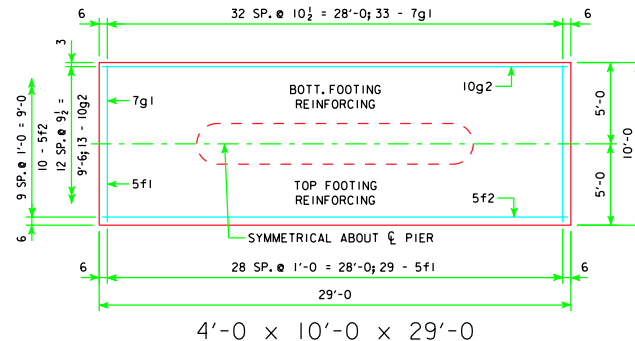
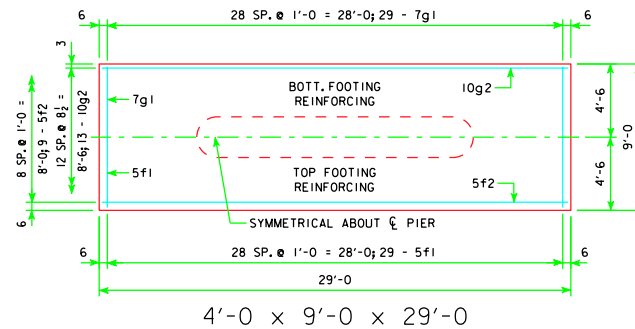
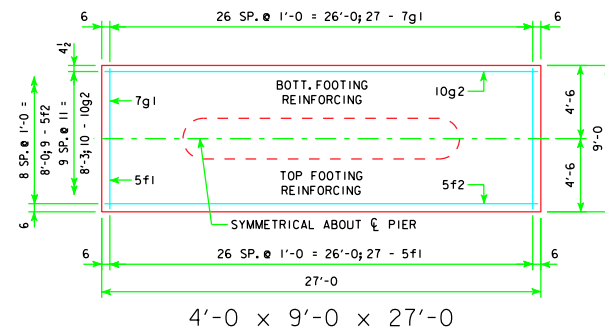
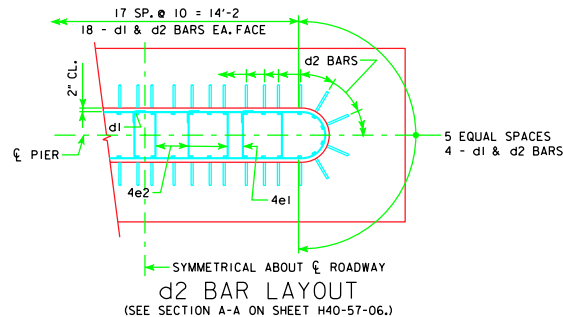
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 8' x 25'	d2	44 - #9 AS SHOWN	9'-11	1484	2771	29.6
	f1	25 - #5 @ 1'-0	7'-8	200		
	f2	8 - #5 @ 1'-0	24'-8	206		
	g1	25 - #6 @ 1'-0	7'-8	288		
	g2	9 - #8 @ 0'-11	24'-8	593		
4' x 8' x 27'	d2	44 - #9 AS SHOWN	9'-11	1484	3231	32.0
	f1	27 - #5 @ 1'-0	7'-8	216		
	f2	8 - #5 @ 1'-0	26'-8	223		
	g1	27 - #6 @ 1'-0	7'-8	311		
	g2	11 - #9 @ 0'-9	26'-8	997		
4' x 9' x 27'	d2	44 - #9 AS SHOWN	9'-11	1484	3603	36.0
	f1	27 - #5 @ 1'-0	8'-8	244		
	f2	9 - #5 @ 1'-0	26'-8	250		
	g1	27 - #7 @ 1'-0	8'-8	478		
	g2	10 - #10 @ 0'-11	26'-8	1147		
4' x 9' x 29'	d2	44 - #9 AS SHOWN	9'-11	1484	4133	38.7
	f1	29 - #5 @ 1'-0	8'-8	262		
	f2	9 - #5 @ 1'-0	28'-8	269		
	g1	29 - #7 @ 1'-0	8'-8	514		
	g2	13 - #10 @ 0'-8 1/2	28'-8	1604		
4' x 10' x 29'	d2	44 - #9 AS SHOWN	9'-11	1484	4331	43.0
	f1	29 - #5 @ 1'-0	9'-8	292		
	f2	10 - #5 @ 1'-0	28'-8	299		
	g1	33 - #7 @ 0'-10 1/2	9'-8	652		
	g2	13 - #10 @ 0'-9 1/2	28'-8	1604		



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 H40-57-06.

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 A MINIMUM LRFD NOMINAL BEARING RESISTANCE OF 30 KIIPS PER SQUARE FOOT (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 AUGUST, 2009	
		TEE PIER - SPREAD FOOTINGS 0° SKEW - H=25' TO 40'	H40-64-06