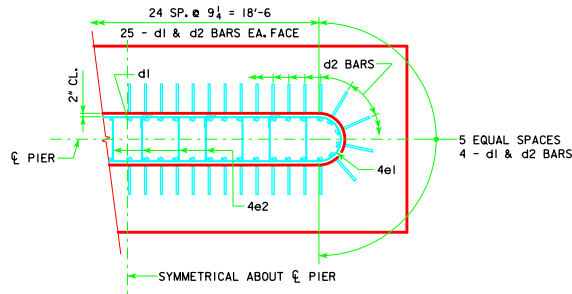
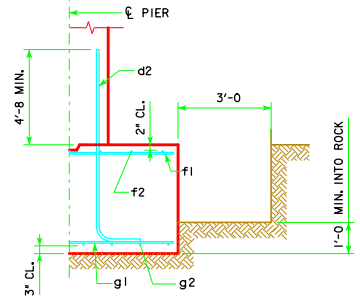


H IN FT.	CL - CL ABUT. BRG.	FOOTING SIZE	H IN FT.	CL - CL ABUT. BRG.	FOOTING SIZE
16 TO 18	160'-0"	4' x 8' x 27'	37 TO 40	160'-0"	4' x 9' x 27'
	180'-0"	4' x 9' x 27'		180'-0"	4' x 9' x 29'
	200'-0"	4' x 9' x 27'		220'-0"	4' x 10' x 29'
	240'-0"	4' x 9' x 29'		240'-0"	4' x 10' x 31'
	260'-0"	4' x 10' x 29'		280'-0"	4' x 11' x 31'
	280'-0"	4' x 10' x 31'		300'-0"	4' x 11' x 33'
	320'-0"	4' x 11' x 31'		320'-0"	
	340'-0"	4' x 11' x 33'		340'-0"	
19 TO 21	160'-0"	4' x 8' x 27'			
	180'-0"	4' x 9' x 27'			
	200'-0"	4' x 9' x 29'			
	220'-0"	4' x 10' x 29'			
	240'-0"	4' x 10' x 31'			
	260'-0"	4' x 11' x 31'			
	280'-0"	4' x 11' x 31'			
	300'-0"	4' x 11' x 31'			
	320'-0"	4' x 11' x 31'			
	340'-0"	4' x 11' x 31'			
22 TO 24	160'-0"	4' x 8' x 27'			
	180'-0"	4' x 9' x 27'			
	200'-0"	4' x 9' x 29'			
	220'-0"	4' x 10' x 29'			
	240'-0"	4' x 10' x 31'			
	260'-0"	4' x 10' x 31'			
	280'-0"	4' x 10' x 31'			
	300'-0"	4' x 10' x 31'			
	320'-0"	4' x 11' x 31'			
	340'-0"	4' x 11' x 31'			
25 TO 27	160'-0"	4' x 8' x 27'			
	180'-0"	4' x 9' x 27'			
	200'-0"	4' x 9' x 29'			
	220'-0"	4' x 10' x 29'			
	240'-0"	4' x 10' x 29'			
	260'-0"	4' x 10' x 29'			
	280'-0"	4' x 10' x 31'			
	300'-0"	4' x 11' x 31'			
	320'-0"	4' x 11' x 31'			
	340'-0"	4' x 11' x 31'			
28 TO 30	160'-0"	4' x 9' x 27'			
	180'-0"	4' x 9' x 29'			
	200'-0"	4' x 9' x 29'			
	220'-0"	4' x 10' x 29'			
	240'-0"	4' x 10' x 29'			
	260'-0"	4' x 10' x 29'			
	280'-0"	4' x 10' x 31'			
	300'-0"	4' x 11' x 31'			
	320'-0"	4' x 11' x 31'			
	340'-0"	4' x 11' x 33'			
31 TO 33	160'-0"	4' x 9' x 27'			
	180'-0"	4' x 9' x 29'			
	200'-0"	4' x 9' x 29'			
	220'-0"	4' x 10' x 29'			
	240'-0"	4' x 10' x 29'			
	260'-0"	4' x 10' x 31'			
	280'-0"	4' x 10' x 31'			
	300'-0"	4' x 11' x 31'			
	320'-0"	4' x 11' x 31'			
	340'-0"	4' x 11' x 33'			
34 TO 36	160'-0"	4' x 9' x 27'			
	180'-0"	4' x 9' x 29'			
	200'-0"	4' x 9' x 29'			
	220'-0"	4' x 10' x 29'			
	240'-0"	4' x 10' x 29'			
	260'-0"	4' x 10' x 31'			
	280'-0"	4' x 11' x 31'			
	300'-0"	4' x 11' x 31'			
	320'-0"	4' x 11' x 31'			
	340'-0"	4' x 11' x 33'			

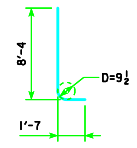
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (L.B.)	STRUCTURAL CONCRETE (CY)
	BAR NO.	SIZE & SPACING	LENGTH	WEIGHT (L.B.)		
4' x 8' x 27'	d2	58 - #9 AS SHOWN	9'-11"	1956	3107	32.0
	f1	27 - #5 @ 1'-0"	7'-8"	216		
	f2	8 - #5 @ 1'-0"	26'-8"	223		
	g1	27 - #6 @ 1'-0"	7'-8"	311		
	g2	10 - #6 @ 0'-10"	26'-8"	401		
	d2	58 - #9 AS SHOWN	9'-11"	1956		
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	9 - #7 @ 1'-0"	26'-8"	491			
d2	58 - #9 AS SHOWN	9'-11"	1956	3785	38.7	
f1	29 - #5 @ 1'-0"	8'-8"	262			
f2	9 - #5 @ 1'-0"	28'-8"	269			
g1	35 - #6 @ 0'-10"	8'-8"	456			
g2	11 - #8 @ 0'-10"	28'-8"	842			
d2	58 - #9 AS SHOWN	9'-11"	1956			4137
f1	29 - #5 @ 1'-0"	9'-8"	292			
f2	10 - #5 @ 1'-0"	28'-8"	299			
g1	34 - #7 @ 0'-10"	9'-8"	672			
g2	12 - #8 @ 0'-10"	28'-8"	918			
d2	58 - #9 AS SHOWN	9'-11"	1956	4794	45.9	
f1	31 - #5 @ 1'-0"	9'-8"	313			
f2	10 - #5 @ 1'-0"	30'-8"	320			
g1	37 - #7 @ 0'-10"	9'-8"	731			
g2	18 - #8 @ 0'-6 1/2"	30'-8"	1474			
d2	58 - #9 AS SHOWN	9'-11"	1956			5271
f1	31 - #5 @ 1'-0"	10'-8"	345			
f2	11 - #5 @ 1'-0"	30'-8"	352			
g1	37 - #8 @ 0'-10"	10'-8"	1054			
g2	15 - #9 @ 0'-9"	30'-8"	1564			
d2	58 - #9 AS SHOWN	9'-11"	1956	5945	53.8	
f1	33 - #5 @ 1'-0"	10'-8"	367			
f2	11 - #5 @ 1'-0"	32'-8"	375			
g1	40 - #8 @ 0'-10"	10'-8"	1139			
g2	15 - #10 @ 0'-9"	32'-8"	2108			



d2 BAR LAYOUT
(SEE SECTION A-A ON SHEET RS40-136-14.)



TYPICAL SECTION



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

NOTE: THE REINFORCING STEEL QUANTITY IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.
NOTE: THE CONCRETE QUANTITY IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

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 RS40-136-14.
THESE SPREAD FOOTINGS SHALL EXTEND AT LEAST 12 INCHES INTO SUITABLE FOUNDATION ROCK AND THE LAST 12 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 10 KIIPS PER SQUARE FOOT).

LATEST REVISION DATE	
	STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES ROLLED STEEL BEAM BRIDGES OCTOBER, 2014
	TEE PIER - SPREAD FOOTINGS 20° SKEW - SHEET 1

APPROVED BY BRIDGE ENGINEER

RS40-144-14