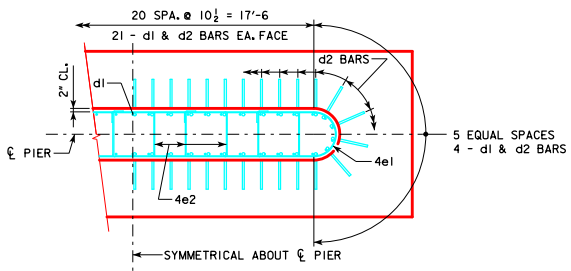


REVISED 05-13 - FOOTING NOTES MODIFIED.
 REVISED 10-2016 - CHANGED VERTICAL CLEARANCE OF REBAR "f2" TO TOP OF PIER FOOTING TO 3" (WAS 2").

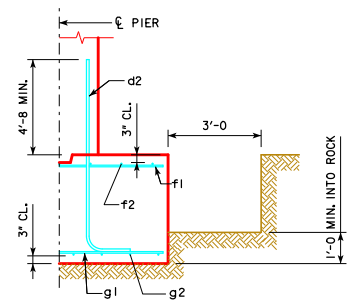
H IN FT.	CL - CL ABUT. BRG.	FOOTING SIZE
16 TO 18	160'-0	4' x 8' x 26'
	180'-0	4' x 8' x 28'
	200'-0	4' x 8' x 28'
	220'-0	4' x 9' x 28'
	240'-0	4' x 9' x 28'
	260'-0	4' x 9' x 30'
	280'-0	4' x 10' x 30'
	300'-0	4' x 10' x 30'
	320'-0	4' x 10' x 30'
	340'-0	4' x 10' x 32'
19 TO 21	160'-0	4' x 8' x 26'
	180'-0	4' x 8' x 28'
	200'-0	4' x 8' x 28'
	220'-0	4' x 9' x 28'
	240'-0	4' x 9' x 28'
	260'-0	4' x 9' x 30'
	280'-0	4' x 10' x 30'
	300'-0	4' x 10' x 30'
	320'-0	4' x 10' x 32'
	340'-0	4' x 10' x 32'
22 TO 24	160'-0	4' x 8' x 26'
	180'-0	4' x 8' x 28'
	200'-0	4' x 8' x 28'
	220'-0	4' x 9' x 28'
	240'-0	4' x 9' x 28'
	260'-0	4' x 9' x 30'
	280'-0	4' x 10' x 30'
	300'-0	4' x 10' x 30'
	320'-0	4' x 10' x 32'
	340'-0	4' x 11' x 32'
25 TO 27	160'-0	4' x 8' x 28'
	180'-0	4' x 8' x 28'
	200'-0	4' x 9' x 28'
	220'-0	4' x 9' x 28'
	240'-0	4' x 9' x 30'
	260'-0	4' x 10' x 30'
	280'-0	4' x 10' x 30'
	300'-0	4' x 10' x 32'
	320'-0	4' x 11' x 32'
	340'-0	4' x 11' x 32'
28 TO 30	160'-0	4' x 8' x 28'
	180'-0	4' x 8' x 28'
	200'-0	4' x 9' x 28'
	220'-0	4' x 9' x 28'
	240'-0	4' x 9' x 30'
	260'-0	4' x 10' x 30'
	280'-0	4' x 10' x 30'
	300'-0	4' x 10' x 32'
	320'-0	4' x 11' x 32'
	340'-0	4' x 11' x 32'
31 TO 33	160'-0	4' x 8' x 28'
	180'-0	4' x 9' x 28'
	200'-0	4' x 9' x 28'
	220'-0	4' x 9' x 30'
	240'-0	4' x 10' x 30'
	260'-0	4' x 10' x 30'
	280'-0	4' x 10' x 32'
	300'-0	4' x 10' x 32'
	320'-0	4' x 11' x 32'
	340'-0	4' x 11' x 32'
34 TO 36	160'-0	4' x 8' x 28'
	180'-0	4' x 9' x 28'
	200'-0	4' x 9' x 28'
	220'-0	4' x 9' x 30'
	240'-0	4' x 10' x 30'
	260'-0	4' x 10' x 30'
	280'-0	4' x 10' x 32'
	300'-0	4' x 10' x 32'
	320'-0	4' x 11' x 32'
	340'-0	4' x 11' x 32'

H IN FT.	CL - CL ABUT. BRG.	FOOTING SIZE
37 TO 40	160'-0	4' x 9' x 28'
	180'-0	4' x 9' x 30'
	200'-0	4' x 9' x 30'
	220'-0	4' x 10' x 30'
	240'-0	4' x 10' x 32'
	260'-0	4' x 10' x 32'
	280'-0	4' x 11' x 32'
	300'-0	4' x 11' x 32'
	320'-0	4' x 11' x 32'
	340'-0	4' x 11' x 32'

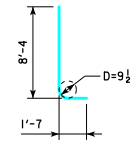
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 8' x 26'	d2	50 - #9 AS SHOWN	9'-11"	1686	2793	30.8
	f1	26 - #5 @ 1'-0"	7'-8"	208		
	f2	8 - #5 @ 1'-0"	25'-8"	214		
	g1	26 - #6 @ 1'-0"	7'-8"	299		
	g2	10 - #6 @ 0'-10"	25'-8"	386		
	d2	50 - #9 AS SHOWN	9'-11"	1686		
4' x 8' x 28'	d2	50 - #9 AS SHOWN	9'-11"	1686	3202	33.2
	f1	28 - #5 @ 1'-0"	7'-8"	224		
	f2	8 - #5 @ 1'-0"	27'-8"	231		
	g1	28 - #6 @ 1'-0"	7'-8"	322		
	g2	10 - #8 @ 0'-10"	27'-8"	739		
	d2	50 - #9 AS SHOWN	9'-11"	1686		
4' x 9' x 28'	d2	50 - #9 AS SHOWN	9'-11"	1686	3455	37.3
	f1	28 - #5 @ 1'-0"	8'-8"	253		
	f2	9 - #5 @ 1'-0"	27'-8"	260		
	g1	34 - #6 @ 0'-10"	8'-8"	443		
	g2	11 - #8 @ 0'-10"	27'-8"	813		
	d2	50 - #9 AS SHOWN	9'-11"	1686		
4' x 9' x 30'	d2	50 - #9 AS SHOWN	9'-11"	1686	4028	40.0
	f1	30 - #5 @ 1'-0"	8'-8"	271		
	f2	9 - #5 @ 1'-0"	29'-8"	278		
	g1	37 - #6 @ 0'-9"	8'-8"	482		
	g2	13 - #9 @ 0'-8"	29'-8"	1311		
	d2	50 - #9 AS SHOWN	9'-11"	1686		
4' x 10' x 30'	d2	50 - #9 AS SHOWN	9'-11"	1686	4362	44.4
	f1	30 - #5 @ 1'-0"	9'-8"	302		
	f2	10 - #5 @ 1'-0"	29'-8"	309		
	g1	45 - #6 @ 0'-8"	9'-8"	653		
	g2	14 - #9 @ 0'-8"	29'-8"	1412		
	d2	50 - #9 AS SHOWN	9'-11"	1686		
4' x 10' x 32'	d2	50 - #9 AS SHOWN	9'-11"	1686	4866	47.4
	f1	32 - #5 @ 1'-0"	9'-8"	323		
	f2	10 - #5 @ 1'-0"	31'-8"	330		
	g1	48 - #6 @ 0'-8"	9'-8"	697		
	g2	17 - #9 @ 0'-7"	31'-8"	1830		
	d2	50 - #9 AS SHOWN	9'-11"	1686		
4' x 11' x 32'	d2	50 - #9 AS SHOWN	9'-11"	1686	5452	52.1
	f1	32 - #5 @ 1'-0"	10'-8"	356		
	f2	11 - #5 @ 1'-0"	31'-8"	363		
	g1	46 - #7 @ 0'-8"	10'-8"	1003		
	g2	15 - #10 @ 0'-9"	31'-8"	2044		
	d2	50 - #9 AS SHOWN	9'-11"	1686		



d2 BAR LAYOUT
 (SEE SECTION A-A ON SHEET RS40-116-10.)



TYPICAL SECTION



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

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 RS40-116-10.

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 KIPS PER SQUARE FOOT (ALLOWABLE BEARING VALUE OF AT LEAST 10 KIPS PER SQUARE FOOT).

10-2016 LATEST REVISION DATE <i>Thomas E. McQuinn</i> APPROVED BY BRIDGE ENGINEER		
	STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES ROLLED STEEL BEAM BRIDGES JUNE, 2010	
	TEE PIER - SPREAD FOOTINGS 0° SKEW - SHEET 1	RS40-124-10