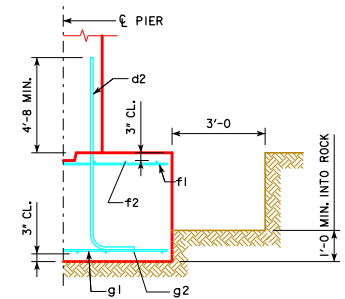
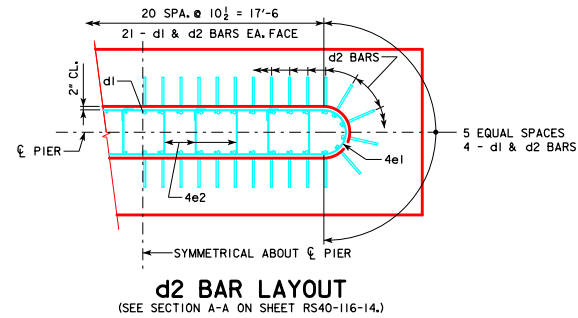


REVISED 02-2017 - CHANGED VERTICAL CLEARANCE OF REBAR "f2" TO TOP OF PIER FOOTING TO 3" WAS 2".

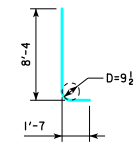
H IN FT.	CL - CL ABUT. BRG.	FOOTING SIZE
16 TO 18	160'-0	4' x 8' x 26'
	180'-0	4' x 8' x 28'
	200'-0	4' x 8' x 28'
	220'-0	4' x 9' x 28'
	240'-0	4' x 9' x 28'
	260'-0	4' x 9' x 30'
	280'-0	4' x 10' x 30'
	300'-0	4' x 10' x 30'
	320'-0	4' x 10' x 30'
	340'-0	4' x 10' x 32'
19 TO 21	160'-0	4' x 8' x 26'
	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 8' x 28'
	200'-0	4' x 9' x 28'
	220'-0	4' x 9' x 30'
	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'
34 TO 36	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 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 30'
	260'-0	4' x 10' x 32'
	280'-0	4' x 10' 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'	f1	28 - #5 @ 1'-0"	7'-8"	224	3202	33.2
	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		
	f1	28 - #5 @ 1'-0"	8'-8"	253		
4' x 9' x 28'	f2	9 - #5 @ 1'-0"	27'-8"	260	3455	37.3
	g1	34 - #6 @ 0'-10"	8'-8"	443		
	g2	11 - #8 @ 0'-10"	27'-8"	813		
	d2	50 - #9 AS SHOWN	9'-11"	1686		
	f1	30 - #5 @ 1'-0"	8'-8"	271		
	f2	9 - #5 @ 1'-0"	29'-8"	278		
4' x 9' x 30'	g1	37 - #6 @ 0'-9"	8'-8"	482	4028	40.0
	g2	13 - #9 @ 0'-8"	29'-8"	1311		
	d2	50 - #9 AS SHOWN	9'-11"	1686		
	f1	30 - #5 @ 1'-0"	9'-8"	302		
	f2	10 - #5 @ 1'-0"	29'-8"	309		
	g1	45 - #6 @ 0'-8"	9'-8"	653		
4' x 10' x 30'	g2	14 - #9 @ 0'-8"	29'-8"	1412	4362	44.4
	d2	50 - #9 AS SHOWN	9'-11"	1686		
	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		
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		



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 RS40-116-14.

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

02-2017 LATEST REVISION DATE <i>Thomas E. McQuinn</i> APPROVED BY BRIDGE ENGINEER		
	STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES ROLLED STEEL BEAM BRIDGES OCTOBER, 2014	
	TEE PIER - SPREAD FOOTINGS 0° SKEW - SHEET 1	RS40-124-14