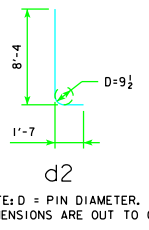
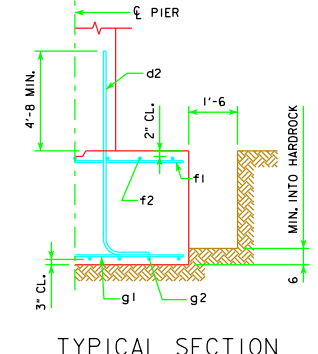
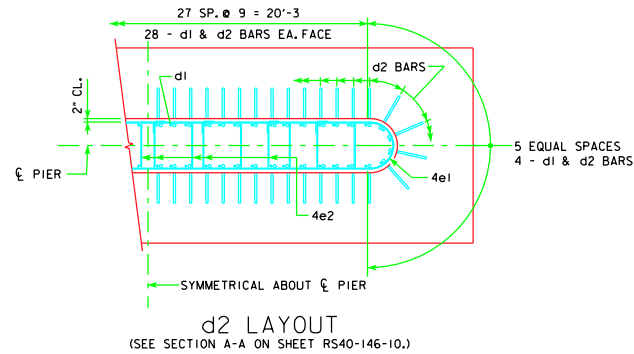


H IN FT.	℄ - ℄ ABUT. BRG.	FOOTING SIZE	H IN FT.	℄ - ℄ ABUT. BRG.	FOOTING SIZE	FOOTING SIZE	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)	TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
16 TO 18	160'-0"		37 TO 40	160'-0"	4' x 9' x 28'	4' x 8' x 28'	d2	64 - #9 AS SHOWN	9'-11"	2158	3267	33.2
	180'-0"	4' x 8' x 28'		180'-0"	4' x 9' x 30'		f1	28 - #5 @ 1'-0"	7'-8"	224		
	200'-0"			200'-0"			f2	8 - #5 @ 1'-0"	27'-8"	231		
	220'-0"	4' x 9' x 28'		220'-0"	4' x 10' x 30'		g1	28 - #6 @ 1'-0"	7'-8"	322		
	240'-0"	4' x 9' x 30'		240'-0"	4' x 10' x 32'		g2	8 - #6 @ 1'-0"	27'-8"	332		
	260'-0"	4' x 10' x 30'		260'-0"			d2	64 - #9 AS SHOWN	9'-11"	2158		
	280'-0"	4' x 10' x 32'		280'-0"	4' x 11' x 32'		f1	28 - #5 @ 1'-0"	8'-8"	253		
	300'-0"			300'-0"			f2	9 - #5 @ 1'-0"	27'-8"	260		
	320'-0"	4' x 11' x 32'		320'-0"	4' x 11' x 34'		g1	32 - #6 @ 0'-10 1/2"	8'-8"	417		
	340'-0"			340'-0"			g2	9 - #6 @ 1'-0"	27'-8"	374		
19 TO 21	160'-0"	4' x 8' x 28'	22 TO 24	160'-0"	4' x 8' x 28'	4' x 9' x 30'	d2	64 - #9 AS SHOWN	9'-11"	2158	3843	40.0
	180'-0"			180'-0"	4' x 9' x 28'		f1	30 - #5 @ 1'-0"	8'-8"	271		
	200'-0"	4' x 9' x 28'		200'-0"	4' x 9' x 30'		f2	9 - #5 @ 1'-0"	29'-8"	278		
	220'-0"	4' x 9' x 30'		220'-0"	4' x 10' x 30'		g1	36 - #6 @ 0'-10"	8'-8"	469		
	240'-0"	4' x 10' x 30'		240'-0"	4' x 10' x 32'		g2	11 - #7 @ 0'-10"	29'-8"	667		
	260'-0"	4' x 10' x 32'		260'-0"	4' x 11' x 32'		d2	64 - #9 AS SHOWN	9'-11"	2158		
	280'-0"	4' x 11' x 32'		280'-0"	4' x 9' x 28'	4' x 10' x 30'	f1	30 - #5 @ 1'-0"	9'-8"	302		
	300'-0"			300'-0"	4' x 9' x 28'		f2	10 - #5 @ 1'-0"	29'-8"	309		
	320'-0"	4' x 11' x 32'		320'-0"	4' x 10' x 30'		g1	36 - #7 @ 0'-10"	9'-8"	711		
	340'-0"			340'-0"	4' x 10' x 32'		g2	12 - #7 @ 0'-10"	29'-8"	728		
22 TO 24	160'-0"	4' x 8' x 28'	25 TO 27	160'-0"	4' x 8' x 28'	4' x 10' x 32'	d2	64 - #9 AS SHOWN	9'-11"	2158	4850	47.4
	180'-0"	4' x 9' x 28'		180'-0"	4' x 9' x 28'		f1	32 - #5 @ 1'-0"	9'-8"	323		
	200'-0"	4' x 9' x 30'		200'-0"	4' x 10' x 30'		f2	10 - #5 @ 1'-0"	31'-8"	330		
	220'-0"	4' x 10' x 30'		220'-0"	4' x 10' x 32'		g1	39 - #7 @ 0'-9 1/2"	9'-8"	771		
	240'-0"	4' x 10' x 32'		240'-0"	4' x 11' x 32'		g2	15 - #8 @ 0'-8"	31'-8"	1268		
	260'-0"	4' x 11' x 32'		260'-0"	4' x 9' x 28'	4' x 10' x 30'	d2	64 - #9 AS SHOWN	9'-11"	2158		
	280'-0"	4' x 10' x 30'		280'-0"	4' x 9' x 28'		f1	32 - #5 @ 1'-0"	10'-8"	356		
	300'-0"	4' x 10' x 32'		300'-0"	4' x 11' x 32'		f2	11 - #5 @ 1'-0"	31'-8"	363		
	320'-0"	4' x 11' x 32'		320'-0"	4' x 10' x 30'		g1	38 - #8 @ 0'-10"	10'-8"	1082		
	340'-0"	4' x 11' x 34'		340'-0"	4' x 10' x 32'		g2	16 - #8 @ 0'-8"	31'-8"	1353		
25 TO 27	160'-0"	4' x 8' x 28'	28 TO 30	160'-0"	4' x 8' x 28'	4' x 11' x 32'	d2	64 - #9 AS SHOWN	9'-11"	2158	5312	52.1
	180'-0"	4' x 9' x 28'		180'-0"	4' x 9' x 28'		f1	34 - #5 @ 1'-0"	10'-8"	378		
	200'-0"	4' x 9' x 30'		200'-0"	4' x 10' x 30'		f2	11 - #5 @ 1'-0"	33'-8"	386		
	220'-0"	4' x 10' x 30'		220'-0"	4' x 11' x 32'		g1	42 - #8 @ 0'-9 1/2"	10'-8"	1196		
	240'-0"	4' x 10' x 32'		240'-0"	4' x 11' x 34'		g2	14 - #10 @ 0'-9 1/2"	33'-8"	2028		
	260'-0"	4' x 11' x 32'		260'-0"	4' x 9' x 28'	4' x 10' x 30'						
	280'-0"	4' x 10' x 30'		280'-0"	4' x 9' x 28'							
	300'-0"	4' x 10' x 32'		300'-0"	4' x 9' x 30'							
	320'-0"	4' x 11' x 32'		320'-0"	4' x 9' x 30'							
	340'-0"	4' x 11' x 34'		340'-0"	4' x 9' x 30'							
28 TO 30	160'-0"	4' x 9' x 28'	31 TO 33	160'-0"	4' x 9' x 28'	4' x 10' x 30'					6146	55.4
	180'-0"	4' x 9' x 30'		180'-0"	4' x 10' x 30'							
	200'-0"	4' x 10' x 30'		200'-0"	4' x 10' x 32'							
	220'-0"	4' x 10' x 32'		220'-0"	4' x 11' x 32'							
	240'-0"	4' x 11' x 32'		240'-0"	4' x 11' x 34'							
	260'-0"	4' x 11' x 34'		260'-0"	4' x 9' x 28'	4' x 10' x 30'						
	280'-0"	4' x 9' x 28'		280'-0"	4' x 9' x 30'							
	300'-0"	4' x 9' x 30'		300'-0"	4' x 9' x 30'							
	320'-0"	4' x 10' x 30'		320'-0"	4' x 10' x 30'							
	340'-0"	4' x 10' x 32'		340'-0"	4' x 10' x 32'							
31 TO 33	160'-0"	4' x 9' x 28'	34 TO 36	160'-0"	4' x 9' x 28'	4' x 11' x 32'					6146	55.4
	180'-0"	4' x 9' x 30'		180'-0"	4' x 9' x 30'							
	200'-0"	4' x 10' x 30'		200'-0"	4' x 10' x 30'							
	220'-0"	4' x 10' x 32'		220'-0"	4' x 11' x 32'							
	240'-0"	4' x 11' x 32'		240'-0"	4' x 11' x 34'							
	260'-0"	4' x 11' x 34'		260'-0"	4' x 9' x 28'	4' x 10' x 30'						
	280'-0"	4' x 9' x 28'		280'-0"	4' x 9' x 30'							
	300'-0"	4' x 9' x 30'		300'-0"	4' x 9' x 30'							
	320'-0"	4' x 10' x 30'		320'-0"	4' x 10' x 30'							
	340'-0"	4' x 10' x 32'		340'-0"	4' x 10' x 32'							



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 RS40-146-10.

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 kips PER SQUARE FOOT (ALLOWABLE BEARING VALUE OF AT LEAST 5 TONS PER SQUARE FOOT).

LATEST REVISION DATE		STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES	
		ROLLED STEEL BEAM BRIDGES	
		JUNE, 2010	
TEE PIER - SPREAD FOOTINGS		30° SKEW - SHEET 1	RS40-154-10