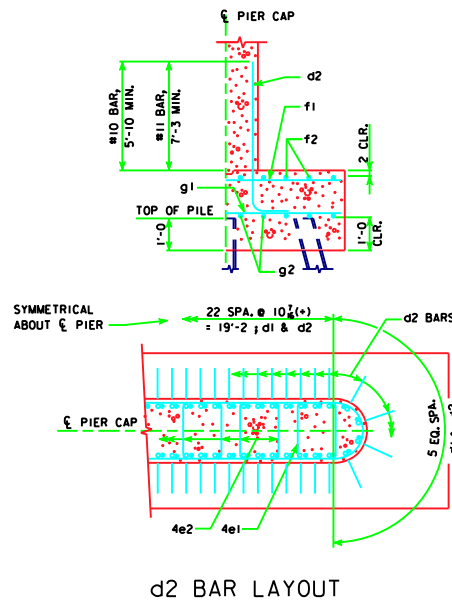


℄-℄ ABUT. BEARING	HEIGHT (FT)	PILING		FTG. SIZE	STRUCTURAL CONCRETE (C.Y.)
		NO. & LAYOUT	DES. BRG. (TONS)		
160 ft	16	17A	36	4' x 8' x 27'	32.0
	19	17A	37		
	22	18B	35		
	25	18B	35		
	28	18B	37		
	31	19A	36	4' x 9' x 28'	37.3
	34	19A	37		
	37	20B	37		
	40	20A	37	4' x 10' x 29'	43.0
	43	20A	37		
180 ft	16	18B	35	4' x 8' x 27'	32.0
	19	18B	36		
	22	18B	37		
	25	19A	36		
	28	19A	37		
	31	20B	37	4' x 9' x 28'	37.3
	34	21B	37		
	37	22B	35		
	40	22B	37	4' x 10' x 29'	43.0
	43	22B	37		
200 ft	16	19B	36	4' x 8' x 27'	32.0
	19	19B	37		
	22	20B	36		
	25	20B	36		
	28	21B	37		
	31	22B	35	4' x 9' x 28'	37.3
	34	22B	36		
	37	23B	37		
	40	24B	37	4' x 10' x 29'	43.0
	43	24B	37		
220 ft	16	20B	36	4' x 9' x 28'	37.3
	19	20B	37		
	22	21B	36		
	25	21B	37		
	28	22B	36		
	31	22B	37	4' x 10' x 29'	43.0
	34	24B	36		
	37	25B	37		
	40	25A	37	4' x 11' x 30'	48.9
	43	25A	37		
240 ft	16	22B	36	4' x 10' x 29'	43.0
	19	22B	37		
	22	22B	37		
	25	23B	36		
	28	23B	37		
	31	24B	37	4' x 11' x 30'	48.9
	34	26B	37		
	37	26A	37		
	40	28B	36	4' x 12' x 31'	55.1
	43	28B	37		
260 ft	16	23B	37	4' x 10' x 29'	43.0
	19	23B	37		
	22	24B	36		
	25	24B	37		
	28	25B	37		
	31	26A	37	4' x 11' x 30'	48.9
	34	27A	37		
	37	28B	37		
	40	29A	37	4' x 12' x 31'	55.1
	43	29A	37		
280 ft	16	24B	37	4' x 10' x 29'	43.0
	19	25B	37		
	22	25B	37		
	25	26B	37		
	28	26A	37		
	31	28B	37	4' x 11' x 30'	48.9
	34	29A	37		
	37	30A	37		
	40	32A	36	4' x 12' x 31'	55.1
	43	32A	36		
300 ft	16	26B	37	4' x 10' x 29'	43.0
	19	26B	37		
	22	27A	36		
	25	27A	37		
	28	28B	37		
	31	29A	37	4' x 11' x 30'	48.9
	34	32A	35		
	37	32A	37		
	40	33A	37	4' x 12' x 31'	55.1
	43	33A	37		

REINFORCING STEEL (ONE FOOTING)					
FTG. SIZE	BAR	NO. SIZE & SPC.	LENGTH	WEIGHT LB.	TOTAL WEIGHT LB.
4' x 8' x 27'	d2	SEE NOTE	--	--	1496
	f1	27 #5 @ 1'-0	7'-8	216	
	f2	8 #5 @ 1'-0	26'-8	223	
	g1	30 #6 @ 11	7'-8	345	
	g2	10 #8 @ 10	26'-8	712	
	d2	SEE NOTE	--	--	
4' x 9' x 28'	f1	28 #5 @ 1'-0	8'-8	253	1948
	f2	9 #5 @ 1'-0	27'-8	260	
	g1	31 #7 @ 11	8'-8	549	
	g2	12 #8 @ 9	27'-8	886	
	d2	SEE NOTE	--	--	
	f1	29 #5 @ 1'-0	9'-8	292	2761
4' x 10' x 29'	f2	10 #5 @ 1'-0	28'-8	299	
	g1	35 #8 @ 10	9'-8	904	
	g2	13 #9 @ 9	28'-8	1267	
	d2	SEE NOTE	--	--	
	f1	30 #5 @ 1'-0	10'-8	334	3913
4' x 11' x 30'	f2	11 #5 @ 1'-0	29'-8	340	
	g1	33 #9 @ 11	10'-8	1197	
	g2	16 #10 @ 8	29'-8	2042	
	d2	SEE NOTE	--	--	
	f1	31 #5 @ 1'-0	11'-8	377	4994
4' x 12' x 31'	f2	12 #5 @ 1'-0	30'-8	384	
	g1	41 #9 @ 9	11'-8	1626	
	g2	16 #11 @ 9	30'-8	2607	
	d2	SEE NOTE	--	--	
	f1	31 #5 @ 1'-0	11'-8	377	

NOTE: SEE RS40-13-04 FOR DETAILS.



FOOTING NOTES :

1. THESE FOOTINGS ARE DESIGNED AND DETAILED TO BE USED WITH RS40-13-04.
2. PIER PILES (#P10x42) ARE TO BE DRIVEN TO THE DESIGN BEARING VALUE.
3. STEEL PILING USED AS POINT BEARING SHALL HAVE A MINIMUM DISTANCE OF APPROXIMATELY 10 FEET FROM BOTTOM OF FOOTING TO TOP OF BEARING ROCK. BATTER PILES IN EXTERIOR ROWS 1:4 IN THE DIRECTION SHOWN.

03-07 LATEST REVISION DATE	<i>Approved by</i> APPROVED BY BRIDGE ENGINEER		
		STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES ROLLED STEEL BEAM BRIDGES FEBRUARY, 2004	
		T PIER 20° SKEW STEEL PILE FOOTINGS SHEET 1 OF 3	RS40-14-04