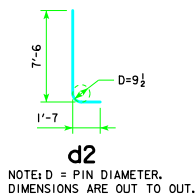
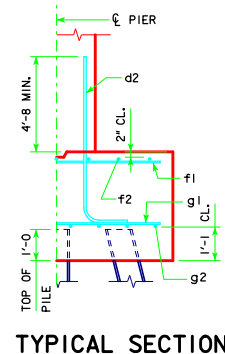
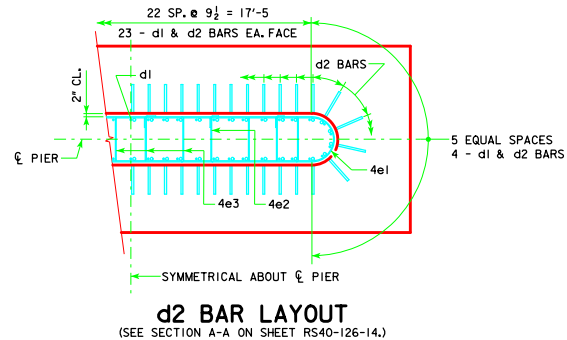


H IN FT.	CL - CL ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	① LRFD P _u , STRENGTH I, DES. LOAD (KIPS)	
16 TO 18	160'-0	16A	139	4' x 9' x 24'
	180'-0	17A	144	
	200'-0	18A	145	4' x 10' x 24'
	220'-0	18D	144	4' x 11' x 28'
	240'-0	20A	144	
	260'-0	21B	143	4' x 11' x 30'
	280'-0	23A	143	
	300'-0	23B	146	
	320'-0	25A	144	4' x 12' x 32'
	340'-0	26A	146	
19 TO 21	160'-0	16B	142	4' x 10' x 24'
	180'-0	17B	146	
	200'-0	18B	146	4' x 10' x 26'
	220'-0	19A	143	4' x 11' x 28'
	240'-0	21A	143	
	260'-0	21B	146	4' x 11' x 30'
	280'-0	23A	146	
	300'-0	24B	143	4' x 12' x 32'
	320'-0	25A	147	
	340'-0	26B	142	4' x 14' x 32'
22 TO 24	160'-0	16C	143	4' x 10' x 26'
	180'-0	17C	147	
	200'-0	18D	140	
	220'-0	19A	146	4' x 11' x 28'
	240'-0	21A	146	
	260'-0	22A	143	4' x 11' x 30'
	280'-0	23B	143	4' x 12' x 32'
	300'-0	24B	145	
	320'-0	25B	143	4' x 14' x 32'
	340'-0	26B	144	
25 TO 27	160'-0	16D	145	4' x 11' x 26'
	180'-0	18C	143	
	200'-0	18D	143	4' x 11' x 28'
	220'-0	20A	143	
	240'-0	21B	142	4' x 11' x 30'
	260'-0	22A	146	
	280'-0	23B	145	4' x 12' x 32'
	300'-0	25A	144	
	320'-0	25B	145	4' x 14' x 32'
	340'-0	26B	146	
28 TO 30	160'-0	17D	143	4' x 11' x 26'
	180'-0	18C	146	
	200'-0	18D	146	4' x 11' x 28'
	220'-0	20A	146	
	240'-0	21B	145	4' x 11' x 30'
	260'-0	23A	144	
	280'-0	24B	141	4' x 12' x 32'
	300'-0	25A	145	
	320'-0	26B	142	4' x 14' x 32'
	340'-0	27A	144	
31 TO 33	160'-0	17D	146	4' x 11' x 26'
	180'-0	18D	141	
	200'-0	19A	144	4' x 11' x 28'
	220'-0	21A	144	
	240'-0	22A	141	4' x 11' x 30'
	260'-0	23A	146	
	280'-0	24B	143	4' x 12' x 32'
	300'-0	26A	143	
	320'-0	26B	143	4' x 14' x 32'
	340'-0	27A	146	
34 TO 36	160'-0	17E	144	
	180'-0	18D	144	4' x 11' x 28'
	200'-0	19A	147	
	220'-0	21A	146	
	240'-0	22A	144	4' x 11' x 30'
	260'-0	24A	144	
	280'-0	24B	145	4' x 12' x 32'
	300'-0	26A	145	
	320'-0	26B	145	4' x 14' x 32'
	340'-0	28A	143	

H IN FT.	CL - CL ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	① LRFD P _u , STRENGTH I, DES. LOAD (KIPS)	
37 TO 40	160'-0	18D	139	
	180'-0	19A	142	4' x 11' x 28'
	200'-0	20A	144	
	220'-0	21B	142	
	240'-0	22A	146	4' x 11' x 30'
	260'-0	24A	147	
	280'-0	25A	143	4' x 12' x 32'
	300'-0	26A	147	
	320'-0	26B	147	
	340'-0	28A	145	4' x 14' x 32'

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)			TOTAL WEIGHT (L.B.)	STRUCTURAL CONCRETE (CY)	
	BAR NO., SIZE & SPACING	LENGTH	WEIGHT (L.B.)			
4' x 9' x 24'	d2	54 - #9 AS SHOWN	9'-1	1668	2818	32.0
	f1	24 - #5 @ 1'-0	8'-8	217		
	f2	9 - #5 @ 1'-0	23'-8	222		
	g1	30 - #6 @ 0'-9 1/2	8'-8	391		
	g2	9 - #6 @ 1'-0	23'-8	320		
	d2	54 - #9 AS SHOWN	9'-1	1668		
f1	24 - #5 @ 1'-0	9'-8	242			
f2	10 - #5 @ 1'-0	23'-8	247			
g1	29 - #7 @ 0'-10	9'-8	573			
g2	10 - #6 @ 1'-0	23'-8	355			
d2	54 - #9 AS SHOWN	9'-1	1668	3453	38.5	
f1	26 - #5 @ 1'-0	9'-8	262			
f2	10 - #5 @ 1'-0	25'-8	268			
g1	29 - #7 @ 0'-10 1/2	9'-8	573			
g2	13 - #7 @ 0'-9 1/2	25'-8	682			
d2	54 - #9 AS SHOWN	9'-1	1668			3702
f1	26 - #5 @ 1'-0	10'-8	289			
f2	11 - #5 @ 1'-0	25'-8	294			
g1	27 - #8 @ 0'-11 1/2	10'-8	769			
g2	13 - #7 @ 0'-10 1/2	25'-8	682			
d2	54 - #9 AS SHOWN	9'-1	1668	4288	45.6	
f1	28 - #5 @ 1'-0	10'-8	312			
f2	11 - #5 @ 1'-0	27'-8	317			
g1	31 - #8 @ 0'-11	10'-8	883			
g2	15 - #8 @ 0'-9	27'-8	1108			
d2	54 - #9 AS SHOWN	9'-1	1668			4842
f1	30 - #5 @ 1'-0	10'-8	334			
f2	11 - #5 @ 1'-0	29'-8	340			
g1	30 - #9 @ 1'-0	10'-8	1088			
g2	14 - #9 @ 0'-9 1/2	29'-8	1412			
d2	54 - #9 AS SHOWN	9'-1	1668	6004	56.9	
f1	32 - #5 @ 1'-0	11'-8	389			
f2	12 - #5 @ 1'-0	31'-8	396			
g1	38 - #9 @ 0'-10	11'-8	1507			
g2	15 - #10 @ 0'-9 1/2	31'-8	2044			
d2	54 - #9 AS SHOWN	9'-1	1668			6987
f1	32 - #5 @ 1'-0	13'-8	456			
f2	14 - #5 @ 1'-0	31'-8	462			
g1	39 - #9 @ 0'-9 1/2	13'-8	1812			
g2	19 - #10 @ 0'-9	31'-8	2589			

① NOTE: P_u, STRENGTH I DESIGN LOAD (KIPS) IS NOT THE VALUE USED IN THE FIELD FOR DRIVING PILES.



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.
NOTE: THE PILE TYPE IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

FOOTING NOTES:

THESE FOOTINGS ARE DESIGNED AND DETAILED TO BE USED WITH THE CAP AND COLUMN DETAILS OF THE TEE PIERS AS SHOWN ON SHEET RS40-126-14.
BATTER PILES IN EXTERIOR ROWS 1:4 IN THE DIRECTION SHOWN.
STEEL PILING USED AS POINT BEARING SHALL HAVE A MINIMUM DISTANCE OF APPROXIMATELY 10 FEET FROM BOTTOM OF FOOTING TO TOP OF BEARING ROCK. THE PILE LAYOUTS ARE SUCH THAT THE DISTANCE CENTER TO CENTER OF ADJACENT PILING SHALL NOT EXCEED 8'-0.
PIER PILES SHALL BE DRIVEN TO VALUES SHOWN IN DESIGN PLANS.

LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES ROLLED STEEL BEAM BRIDGES OCTOBER, 2014	TEE PIER-HP10x57 SRL-1 STEEL PILE FOOTINGS 10° SKEW - SHEET 1	RS40-128-14