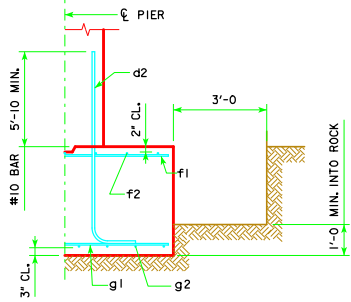
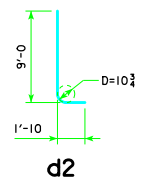


REVISED 04-12 - EXCAVATION LIMIT WAS CHANGED TO 3'-0".

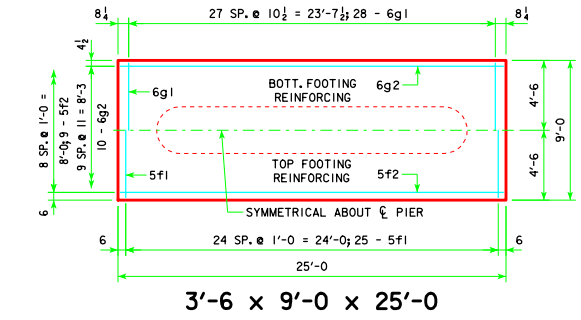


TYPICAL SECTION

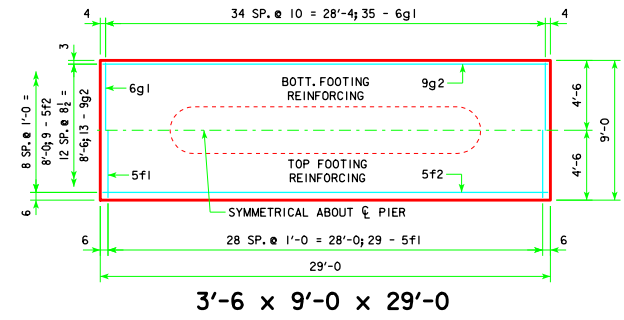
H IN FT.	CL - CL ABUT. BRG.	FOOTING SIZE
16 TO 18	138'-10	3'-6 x 9' x 25'
	151'-4	
	163'-10	
	176'-4	
	188'-10	
19 TO 21	201'-4	3'-6 x 9' x 27'
	213'-10	
	226'-4	
	239'-0	
	251'-6	
22 TO 24	138'-10	3'-6 x 9' x 25'
	151'-4	
	163'-10	
	176'-4	
	188'-10	
25 TO 27	201'-4	3'-6 x 9' x 27'
	213'-10	
	226'-4	
	239'-0	
	251'-6	



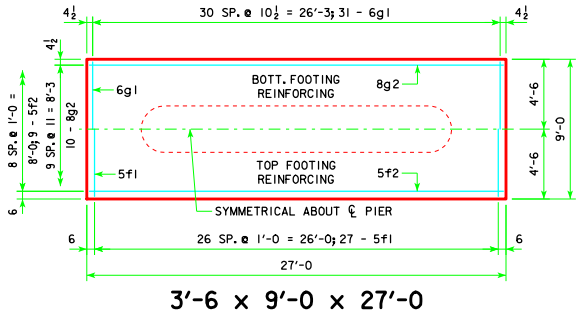
d2
NOTE: D = PIN DIAMETER.
DIMENSIONS ARE OUT TO OUT.



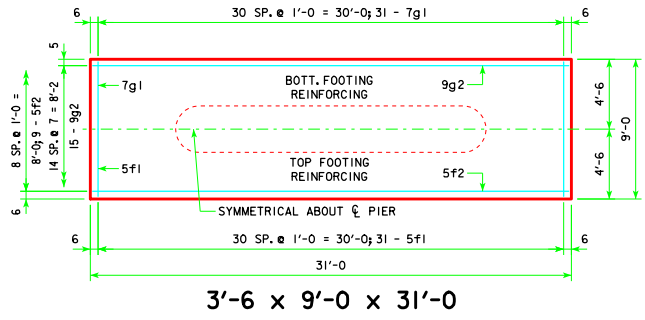
3'-6 x 9'-0 x 25'-0



3'-6 x 9'-0 x 29'-0

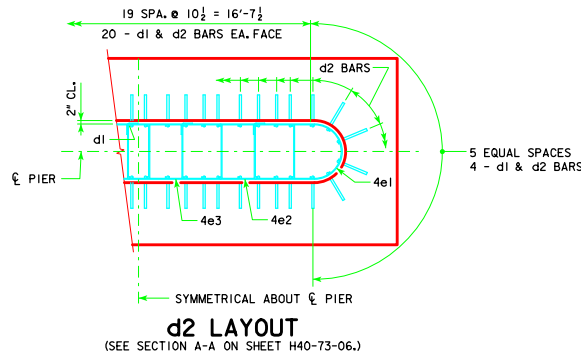


3'-6 x 9'-0 x 27'-0



3'-6 x 9'-0 x 31'-0

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
3'-6 x 9' x 25'	d2	48 - #10 AS SHOWN	10'-10	2238	3430	29.2
	f1	25 - #5 @ 1'-0	8'-8	226		
	f2	9 - #5 @ 1'-0	24'-8	232		
	g1	28 - #6 @ 0'-10 1/2	8'-8	364		
	g2	10 - #6 @ 0'-11	24'-8	370		
	d2	48 - #10 AS SHOWN	10'-10	2238		
3'-6 x 9' x 27'	f1	27 - #5 @ 1'-0	8'-8	244	3848	31.5
	f2	9 - #5 @ 1'-0	26'-8	250		
	g1	31 - #6 @ 0'-10 1/2	8'-8	404		
	g2	10 - #8 @ 0'-11	26'-8	712		
	d2	48 - #10 AS SHOWN	10'-10	2238		
	f1	29 - #5 @ 1'-0	8'-8	262		
3'-6 x 9' x 29'	f1	29 - #5 @ 1'-0	8'-8	262	4492	33.8
	f2	9 - #5 @ 1'-0	28'-8	269		
	g1	35 - #6 @ 0'-10	8'-8	456		
	g2	13 - #9 @ 0'-8 1/2	28'-8	1267		
	d2	48 - #10 AS SHOWN	10'-10	2238		
	f1	31 - #5 @ 1'-0	8'-8	280		
3'-6 x 9' x 31'	f1	31 - #5 @ 1'-0	8'-8	280	4919	36.2
	f2	9 - #5 @ 1'-0	30'-8	288		
	g1	31 - #7 @ 1'-0	8'-8	549		
	g2	15 - #9 @ 0'-7	30'-8	1564		
	d2	48 - #10 AS SHOWN	10'-10	2238		
	f1	31 - #5 @ 1'-0	8'-8	280		



d2 LAYOUT
(SEE SECTION A-A ON SHEET H40-73-06.)

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 H40-73-06.

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

LATEST REVISION DATE 04-12	APPROVED BY BRIDGE ENGINEER <i>Thomas E. Mc Donnell</i>		
		STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES AUGUST, 2009	
		TEE PIER - SPREAD FOOTINGS 30° SKEW - H=16' TO 24'	H40-79-06