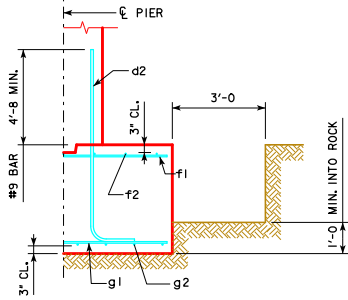
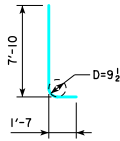


REVISED 04-12 - EXCAVATION LIMIT WAS CHANGED TO 3'-0".
REVISED 09-2016 - CHANGED VERTICAL CLEARANCE OF REBAR "f2" TO TOP OF PIER FOOTING TO 3" (WAS 2").



TYPICAL SECTION

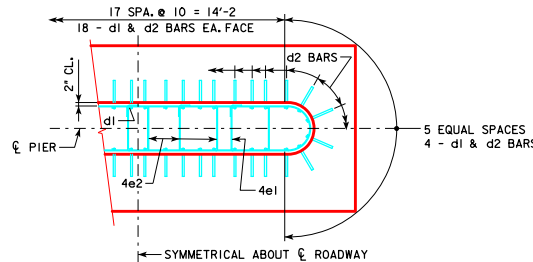
H IN FT.	CL. & ABUT. BRG.	FOOTING SIZE
16 TO 18	138'-10	3'-6 x 7' x 20'
	151'-4	
	163'-10	
	176'-4	
19 TO 21	188'-10	3'-6 x 7' x 22'
	201'-4	
	213'-10	
	226'-4	
22 TO 24	243'-0	3'-6 x 8' x 22'
	138'-10	
	151'-4	
	163'-10	
	176'-4	3'-6 x 8' x 22'
	188'-10	
	201'-4	
	213'-10	
	226'-4	3'-6 x 8' x 22'
	243'-0	
	138'-10	
	151'-4	
	163'-10	3'-6 x 9' x 22'
	176'-4	
	188'-10	
	201'-4	
	213'-10	3'-6 x 9' x 22'
	226'-4	
	243'-0	



d2

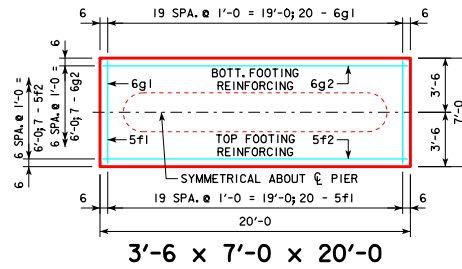
NOTE: D = PIN DIAMETER.
DIMENSIONS ARE OUT TO OUT.

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	TOTAL WEIGHT (LB.)	
3'-6 x 7' x 20'	d2	44 - #9 AS SHOWN	9'-5	1409	2099
	f1	20 - #5 @ 1'-0	6'-8	139	
	f2	7 - #5 @ 1'-0	19'-8	144	
	g1	20 - #6 @ 1'-0	6'-8	200	
	g2	7 - #6 @ 1'-0	19'-8	207	
3'-6 x 7' x 22'	d2	44 - #9 AS SHOWN	9'-5	1409	2200
	f1	22 - #5 @ 1'-0	6'-8	153	
	f2	7 - #5 @ 1'-0	21'-8	158	
	g1	22 - #6 @ 1'-0	6'-8	220	
	g2	8 - #6 @ 0'-11	21'-8	260	
3'-6 x 8' x 22'	d2	44 - #9 AS SHOWN	9'-5	1409	2324
	f1	22 - #5 @ 1'-0	7'-8	176	
	f2	8 - #5 @ 1'-0	21'-8	181	
	g1	23 - #6 @ 0'-11 1/2	7'-8	265	
	g2	9 - #6 @ 0'-11	21'-8	293	
3'-6 x 9' x 22'	d2	44 - #9 AS SHOWN	9'-5	1409	2442
	f1	22 - #5 @ 1'-0	8'-8	199	
	f2	9 - #5 @ 1'-0	21'-8	203	
	g1	26 - #6 @ 0'-10	8'-8	338	
	g2	9 - #6 @ 1'-0	21'-8	293	

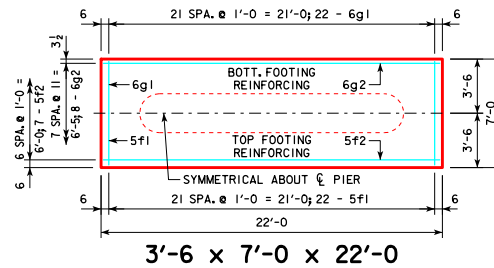


d2 BAR LAYOUT

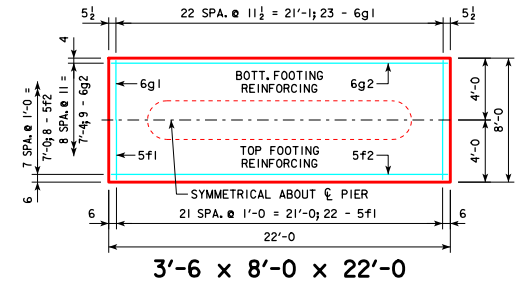
(SEE SECTION A-A ON SHEET H24-50-06.)



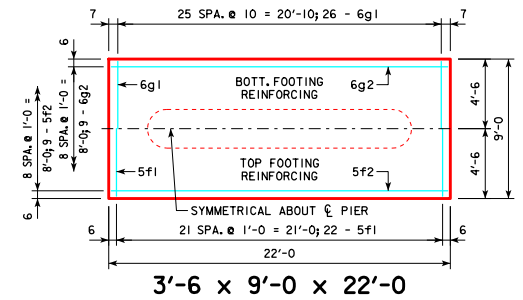
3'-6 x 7'-0 x 20'-0



3'-6 x 7'-0 x 22'-0



3'-6 x 8'-0 x 22'-0



3'-6 x 9'-0 x 22'-0

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 H24-50-06.

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).

09-2016 LATEST REVISION DATE <i>Thomas E. McQuinn</i> APPROVED BY BRIDGE ENGINEER		
	STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES DECEMBER, 2006	
TEE PIER - SPREAD FOOTINGS 0° SKEW - H=16' TO 24'		H24-55-06