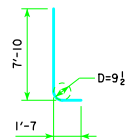


TYPICAL SECTION

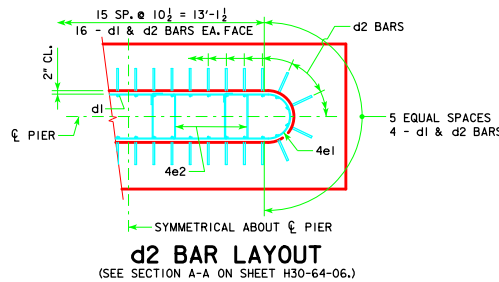
H IN FT.	CL - CL ABUT. BRG.	FOOTING SIZE
16 TO 18	138'-10	3'-6 x 8' x 20'
	151'-4	3'-6 x 8' x 22'
	163'-10	3'-6 x 8' x 24'
	176'-4	3'-6 x 9' x 24'
19 TO 21	188'-10	3'-6 x 8' x 20'
	201'-4	3'-6 x 8' x 22'
	213'-10	3'-6 x 8' x 24'
	226'-4	3'-6 x 9' x 24'
22 TO 24	243'-0	3'-6 x 8' x 20'
	138'-10	3'-6 x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



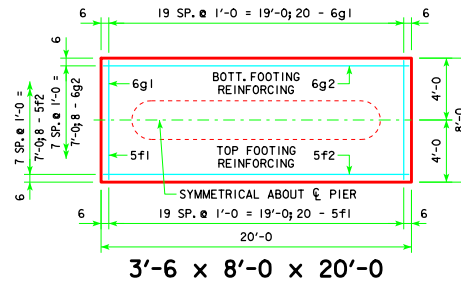
d2

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

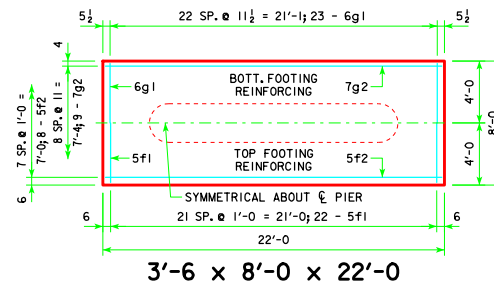
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
3'-6 x 8' x 20'	d2	40 - #9 AS SHOWN	9'-5	1281	2071	20.7
	f1	20 - #5 @ 1'-0	7'-8	160		
	f2	8 - #5 @ 1'-0	19'-8	164		
	g1	20 - #6 @ 1'-0	7'-8	230		
3'-6 x 8' x 22'	g2	8 - #6 @ 1'-0	19'-8	236	2302	22.8
	d2	40 - #9 AS SHOWN	9'-5	1281		
	f1	22 - #5 @ 1'-0	7'-8	176		
	f2	8 - #5 @ 1'-0	21'-8	181		
3'-6 x 8' x 24'	g1	23 - #6 @ 1'-1 1/2	7'-8	265	2693	24.9
	g2	9 - #7 @ 0'-11	21'-8	399		
	d2	40 - #9 AS SHOWN	9'-5	1281		
	f1	24 - #5 @ 1'-0	7'-8	192		
3'-6 x 9' x 24'	f2	8 - #5 @ 1'-0	23'-8	197	2986	28.0
	g1	26 - #6 @ 0'-11	7'-8	299		
	g2	9 - #9 @ 0'-11	23'-8	724		
	d2	40 - #9 AS SHOWN	9'-5	1281		
	f1	24 - #5 @ 1'-0	8'-8	217		
	f2	9 - #5 @ 1'-0	23'-8	222		
	g1	26 - #7 @ 0'-11	8'-8	461		
	g2	10 - #9 @ 0'-11	23'-8	805		



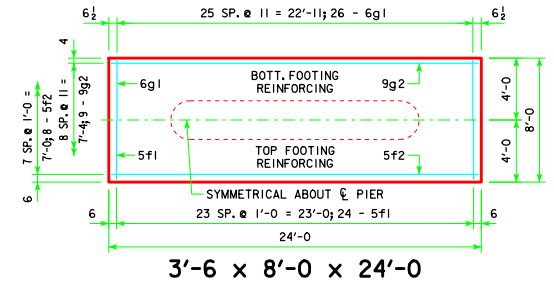
d2 BAR LAYOUT (SEE SECTION A-A ON SHEET H30-64-06.)



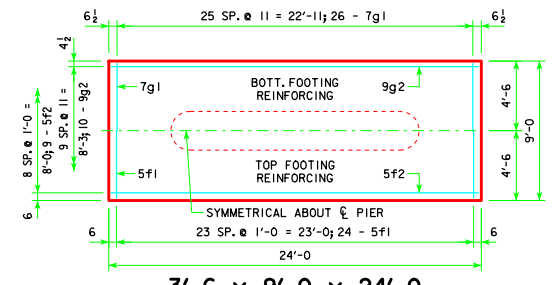
3'-6 x 8'-0 x 20'-0



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



3'-6 x 8'-0 x 24'-0



3'-6 x 9'-0 x 24'-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 H30-57-06.

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 SERVICE LOAD BEARING VALUE OF AT LEAST 10 KIPS PER SQUARE FOOT).

LATEST REVISION DATE 04-13	APPROVED BY BRIDGE ENGINEER <i>Thomas E. M. D...ell</i>	Iowa Department of Transportation Highway Division	
		STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES DECEMBER, 2006	
TEE PIER - SPREAD FOOTINGS		H30-69-06	
15° SKEW - H=16' to 24'			