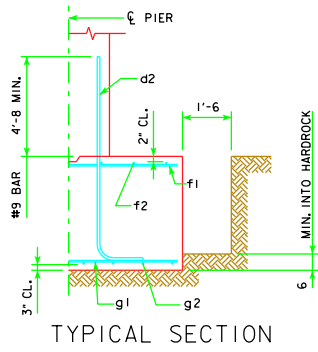
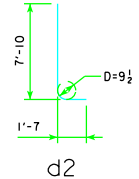


REVISED 07-10 - SHEET WAS REVISED TO MEET LRFD SPECIFICATIONS.

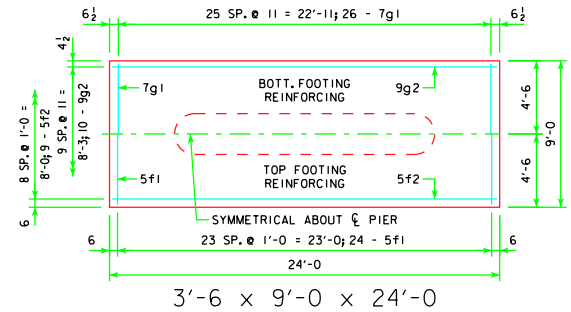
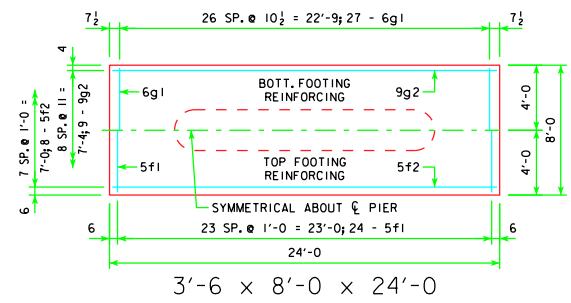
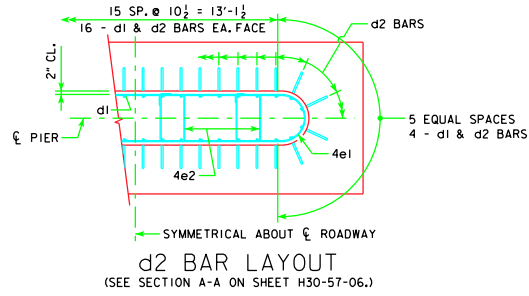
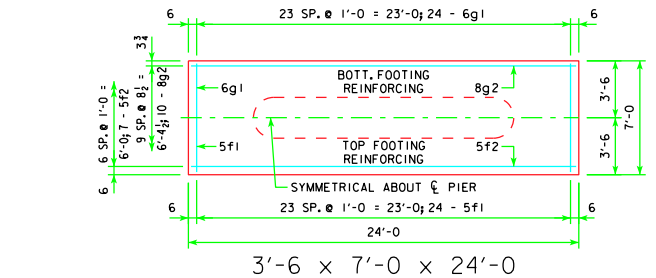
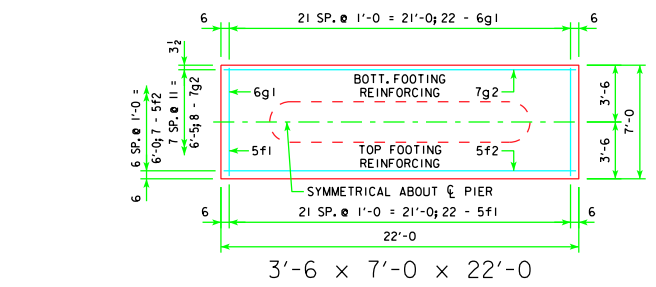


H IN FT.	CL. - CL. ABUT. BRG.	FOOTING SIZE
138'-10 151'-4	16 TO 18	3'-6 x 7' x 22'
163'-10 176'-4		3'-6 x 7' x 24'
188'-10 201'-4		3'-6 x 8' x 24'
213'-10 226'-4		3'-6 x 9' x 24'
243'-0		3'-6 x 7' x 22'
138'-10 151'-4	19 TO 21	3'-6 x 7' x 24'
163'-10 176'-4		3'-6 x 8' x 24'
188'-10 201'-4		3'-6 x 9'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



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

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH (LB.)	TOTAL WEIGHT (LB.)	
3'-6 x 7' x 22'	d2	40 - #9 AS SHOWN	9'-5	1281	2166
	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 - #7 @ 0'-11	21'-8	354	
3'-6 x 7' x 24'	d2	40 - #9 AS SHOWN	9'-5	1281	2493
	f1	24 - #5 @ 1'-0	6'-8	167	
	f2	7 - #5 @ 1'-0	23'-8	173	
	g1	24 - #6 @ 1'-0	6'-8	240	
	g2	10 - #8 @ 0'-8 1/2	23'-8	632	
3'-6 x 8' x 24'	d2	40 - #9 AS SHOWN	9'-5	1281	2705
	f1	24 - #5 @ 1'-0	7'-8	192	
	f2	8 - #5 @ 1'-0	23'-8	197	
	g1	27 - #6 @ 0'-10 1/2	7'-8	311	
	g2	9 - #9 @ 0'-11	23'-8	724	
3'-6 x 9' x 24'	d2	40 - #9 AS SHOWN	9'-5	1281	2986
	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	



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 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	APPROVED BY BRIDGE ENGINEER	 Iowa Department of Transportation Highway Division	
		STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES DECEMBER, 2006	
		TEE PIER - SPREAD FOOTINGS 0° SKEW - H=16' to 24'	H30-62-06