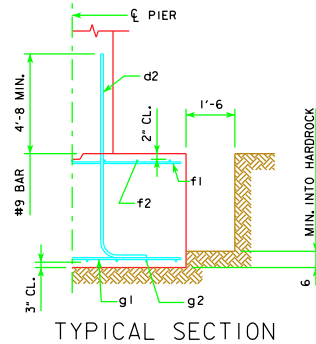
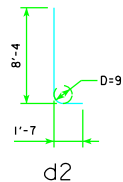
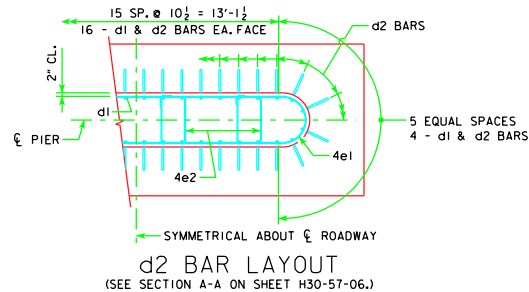
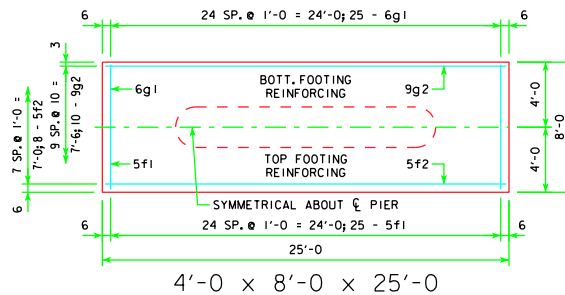
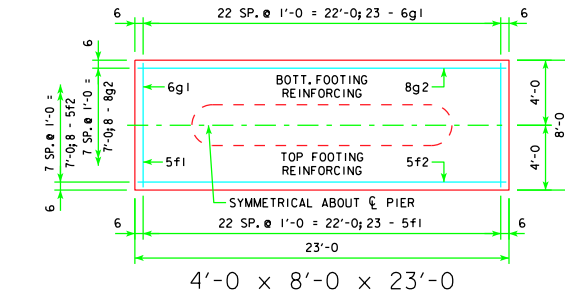


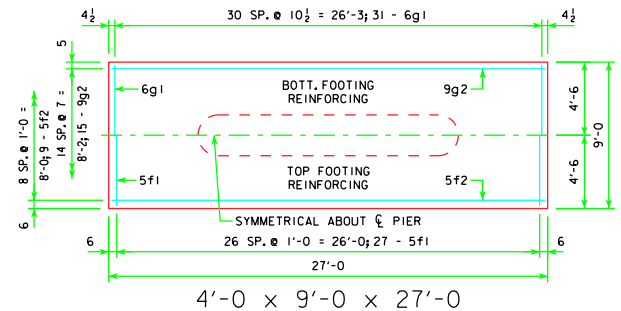
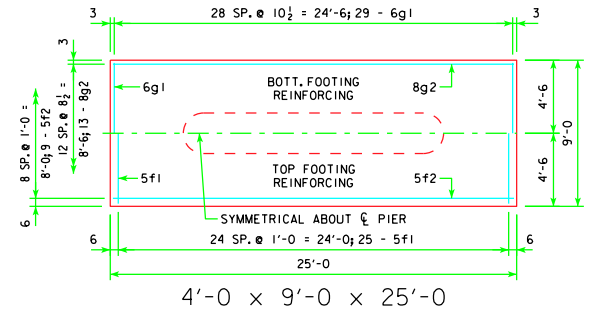


TYPICAL SECTION

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 8' x 23'	d2	40 - #9 AS SHOWN	9'-11"	1349	2471	27.3
	f1	23 - #5 @ 1'-0"	7'-8"	184		
	f2	8 - #6 @ 1'-0"	22'-8"	189		
	g1	23 - #5 @ 1'-0"	7'-8"	265		
	g2	8 - #8 @ 1'-0"	22'-8"	484		
4' x 8' x 25'	d2	40 - #9 AS SHOWN	9'-11"	1349	2882	29.6
	f1	25 - #5 @ 1'-0"	7'-8"	200		
	f2	8 - #5 @ 1'-0"	24'-8"	206		
	g1	25 - #6 @ 1'-0"	7'-8"	288		
	g2	10 - #9 @ 0'-10"	24'-8"	839		
4' x 9' x 25'	d2	40 - #9 AS SHOWN	9'-11"	1349	3041	33.3
	f1	25 - #5 @ 1'-0"	8'-8"	226		
	f2	9 - #5 @ 1'-0"	24'-8"	232		
	g1	29 - #6 @ 0'-10 1/2"	8'-8"	378		
	g2	13 - #8 @ 0'-8 1/2"	24'-8"	856		
4' x 9' x 27'	d2	40 - #9 AS SHOWN	9'-11"	1349	3607	36.0
	f1	27 - #5 @ 1'-0"	8'-8"	244		
	f2	9 - #5 @ 1'-0"	26'-8"	250		
	g1	31 - #6 @ 0'-10 1/2"	8'-8"	404		
	g2	15 - #9 @ 0'-7"	26'-8"	1360		



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



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

LATEST REVISION DATE 07-10	 Iowa Department of Transportation Highway Division	
	STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES DECEMBER, 2006	
APPROVED BY BRIDGE ENGINEER 	TEE PIER - SPREAD FOOTINGS 0° SKEW - H-25' to 40'	H30-63-06