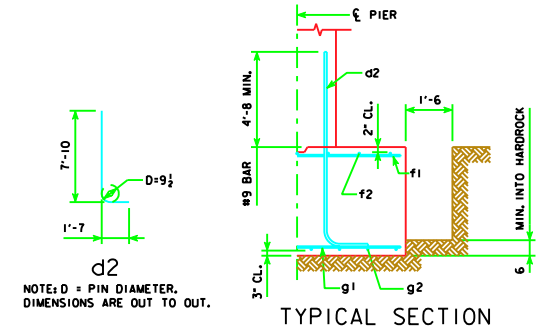
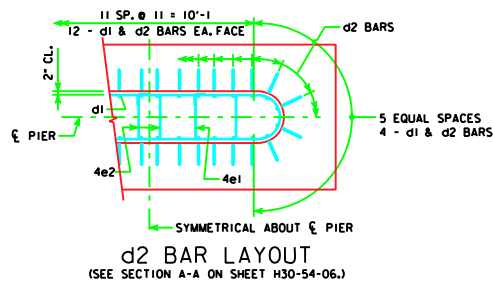
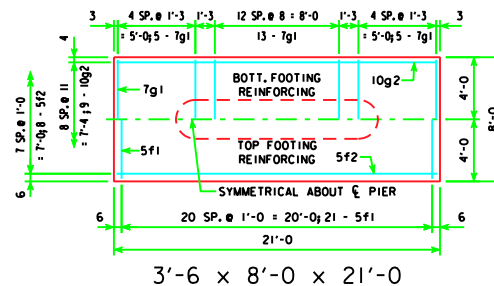
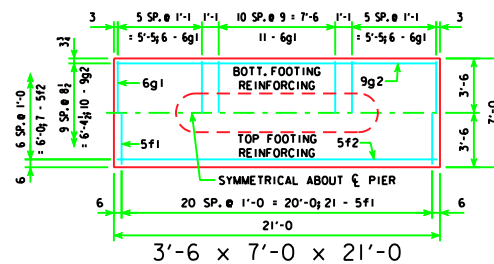
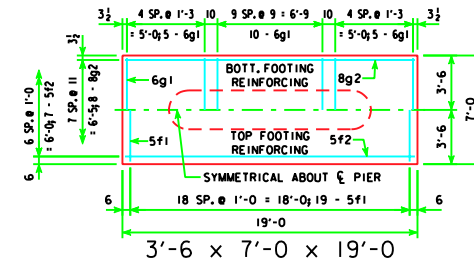


H IN FT.	℄ - ℄ ABUT. BRG.	FOOTING SIZE
16 TO 18	138'-10 151'-4 163'-10 176'-4 188'-10	3'-6 x 7' x 19'
	201'-4 213'-10 226'-4 243'-0	3'-6 x 7' x 21'
	138'-10 151'-4 163'-10 176'-4	3'-6 x 7' x 19'
19 TO 21	188'-10 201'-4 213'-10 226'-4 243'-0	3'-6 x 8' x 21'
22 TO 24	138'-10 151'-4 163'-10 176'-4 188'-10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

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (L.B.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (L.B.)		
3'-6 x 7' x 19'	d2	32 - #9 AS SHOWN	9'-5	1025	1892	17.2
	f1	19 - #5 @ 1'-0	6'-8	132		
	f2	7 - #5 @ 1'-0	18'-8	136		
	g1	20 - #6 AS SHOWN	6'-8	200		
	g2	8 - #8 @ 0'-11	18'-8	399		
3'-6 x 7' x 21'	d2	32 - #9 AS SHOWN	9'-5	1025	2255	19.1
	f1	21 - #5 @ 1'-0	6'-8	146		
	f2	7 - #5 @ 1'-0	20'-8	151		
	g1	23 - #6 AS SHOWN	6'-8	230		
	g2	10 - #9 @ 0'-8½	20'-8	703		
3'-6 x 8' x 21'	d2	32 - #9 AS SHOWN	9'-5	1025	2525	21.8
	f1	21 - #5 @ 1'-0	7'-8	168		
	f2	8 - #5 @ 1'-0	20'-8	172		
	g1	23 - #7 AS SHOWN	7'-8	360		
	g2	9 - #10 @ 0'-11	20'-8	800		



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

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 H30-54-06.

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 AN ALLOWABLE BEARING VALUE OF AT LEAST 5 TONS PER SQUARE FOOT.

LATEST REVISION DATE	<i>Mark E. McQuinn</i> APPROVED BY BRIDGE ENGINEER	 Iowa Department of Transportation Highway Division	
		STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES	
		PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES	
		HL93 SUPERSTRUCTURE	DECEMBER, 2006
TEE PIER - SPREAD FOOTINGS, H=16' TO 24' 15° SKEW		H30-57-06	