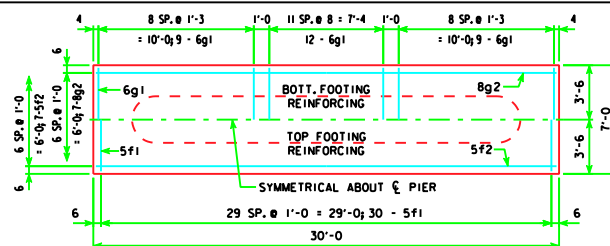
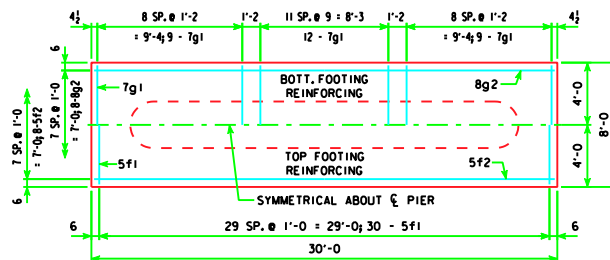


H IN FT.	± E ABUT. BRG.	FOOTING SIZE
138'-10 151'-4 163'-10 176'-4 188'-10	25 TO 27	4' x 7' x 30'
201'-4 213'-10 226'-4 243'-0	28 TO 30	4' x 8' x 30'
138'-10 151'-4 163'-10 176'-4 188'-10	31 TO 33	4' x 8' x 32'
201'-4 213'-10 226'-4 243'-0	34 TO 36	4' x 8' x 32'
138'-10 151'-4 163'-10 176'-4 188'-10	37 TO 40	4' x 9' x 30'
201'-4 213'-10 226'-4 243'-0		4' x 9' x 32'

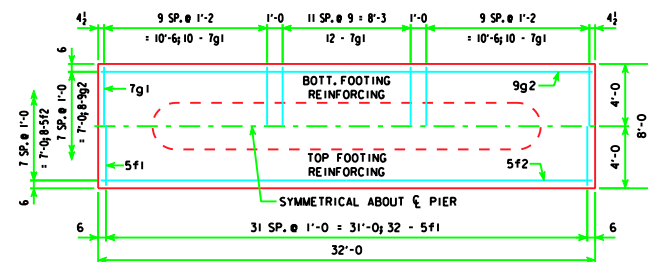
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (L.B.)	STRUCTURAL CONCRETE (CY)
	BAR	NO. SIZE & SPACING	LENGTH	WEIGHT (L.B.)		
4' x 7' x 30'	d2	58 - #10 AS SHOWN	11'-4	2828	4108	31.1
	f1	30 - #5 @ 1'-0	6'-8	209		
	f2	7 - #5 @ 1'-0	29'-8	217		
	g1	30 - #6 AS SHOWN	6'-8	300		
	g2	7 - #8 @ 1'-0	29'-8	554		
	d2	58 - #10 AS SHOWN	11'-4	2828		
4' x 8' x 30'	f1	30 - #5 @ 1'-0	7'-8	240	4420	35.6
	f2	8 - #5 @ 1'-0	29'-8	248		
	g1	30 - #7 AS SHOWN	7'-8	470		
	g2	8 - #8 @ 1'-0	29'-8	634		
	d2	58 - #10 AS SHOWN	11'-4	2828		
	f1	32 - #5 @ 1'-0	7'-8	256		
4' x 8' x 32'	f2	8 - #7 AS SHOWN	7'-8	501	4710	37.9
	g1	32 - #7 AS SHOWN	31'-8	861		
	g2	58 - #10 AS SHOWN	11'-4	2828		
	f1	30 - #5 @ 1'-0	8'-8	271		
	f2	9 - #5 @ 1'-0	29'-8	278		
	g1	30 - #8 AS SHOWN	8'-8	694		
4' x 9' x 30'	g2	9 - #8 @ 1'-0	29'-8	713	4784	40.0
	d2	58 - #10 AS SHOWN	11'-4	2828		
	f1	32 - #5 @ 1'-0	8'-8	289		
	f2	9 - #5 @ 1'-0	31'-8	297		
	g1	32 - #8 AS SHOWN	8'-8	740		
	g2	9 - #9 @ 1'-0	31'-8	969		



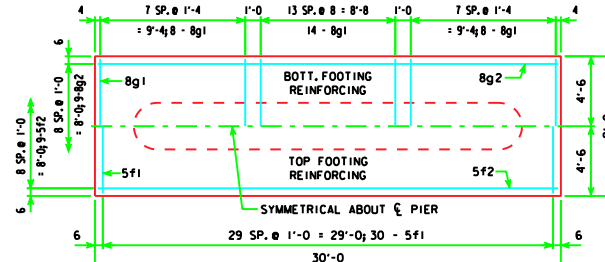
4'-0 x 7'-0 x 30'-0



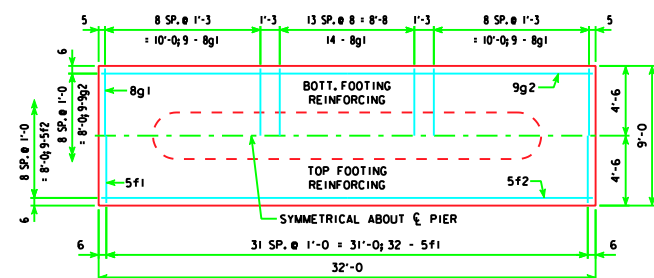
4'-0 x 8'-0 x 30'-0



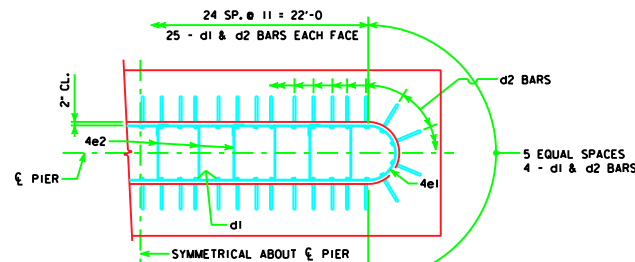
4'-0 x 8'-0 x 32'-0



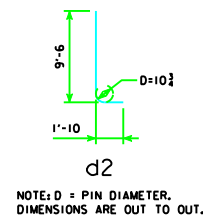
4'-0 x 9'-0 x 30'-0



4'-0 x 9'-0 x 32'-0



d2 LAYOUT
(SEE SECTION A-A ON SHEET H40-71-06.)



TYPICAL SECTION

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 H40-71-06.

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	 Iowa Department of Transportation Highway Division	STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE	
		PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES	
		HL93 SUPERSTRUCTURE	DECEMBER, 2006
		HS25 SUBSTRUCTURE	
TEE PIER - SPREAD FOOTINGS, H=25' TO 40'		H40-76-06	