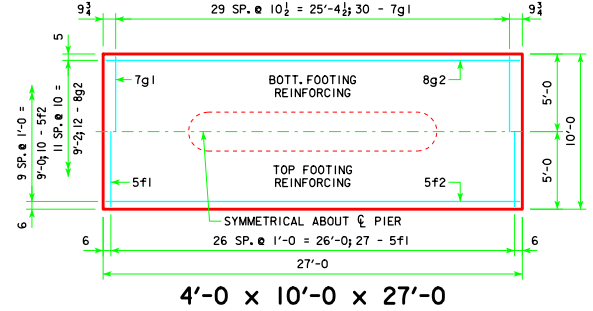
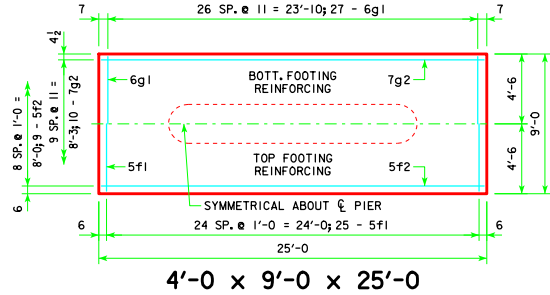
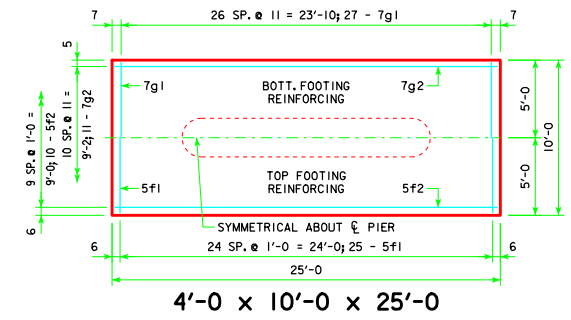
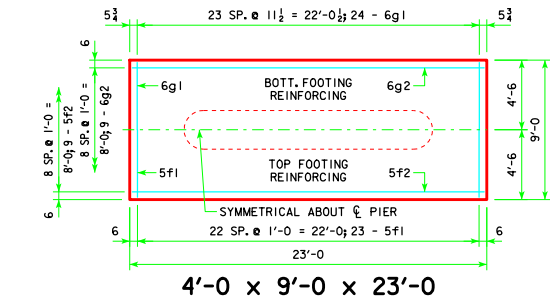
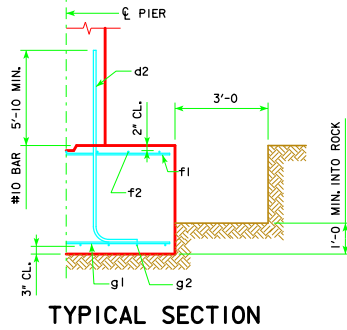
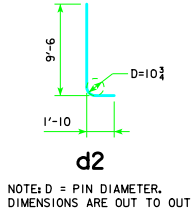
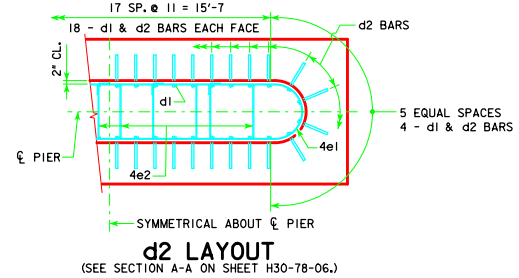


REVISED 04-13 - FOOTING NOTES MODIFIED.

H IN FT.	℄ - ℄ ABUT. BRG.	FOOTING SIZE
25 TO 27	138'-10 151'-4 163'-10 176'-4 188'-10	4' x 9' x 23'
	201'-4 213'-10 226'-4 243'-0	4' x 9' x 25'
	226'-4 243'-0	4' x 10' x 25'
28 TO 30	138'-10 151'-4 163'-10 176'-4 188'-10 201'-4 213'-10	4' x 9' x 23'
	226'-4 243'-0	4' x 10' x 25'
31 TO 33	138'-10 151'-4 163'-10 176'-4 188'-10	4' x 9' x 23'
	201'-4 213'-10 226'-4 243'-0	4' x 10' x 25'
34 TO 36	138'-10 151'-4 163'-10 176'-4 188'-10	4' x 9' x 23'
	201'-4 213'-10 226'-4 243'-0	4' x 10' x 25'
	243'-0	4' x 10' x 27'
	243'-0	4' x 9' x 25'
37 TO 40	138'-10 151'-4 163'-10 176'-4 188'-10 201'-4 213'-10	4' x 9' x 23'
	226'-4 243'-0	4' x 10' x 25'
	243'-0	4' x 10' x 27'



FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				STRUCTURAL CONCRETE (CY)
	BAR NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)	TOTAL WEIGHT (LB.)	
4' x 9' x 23'	d2 44 - #10 AS SHOWN	11'-4	2146	3185	30.7
	f1 23 - #5 @ 1'-0	8'-8	208		
	f2 9 - #5 @ 1'-0	22'-8	213		
	g1 24 - #6 @ 0'-11 1/2	8'-8	312		
	g2 9 - #6 @ 1'-0	22'-8	306		
4' x 9' x 25'	d2 44 - #10 AS SHOWN	11'-4	2146	3459	33.3
	f1 25 - #5 @ 1'-0	8'-8	226		
	f2 9 - #5 @ 1'-0	24'-8	232		
	g1 27 - #6 @ 0'-11	8'-8	351		
	g2 10 - #7 @ 0'-11	24'-8	504		
4' x 10' x 25'	d2 44 - #10 AS SHOWN	11'-4	2146	3743	37.0
	f1 25 - #5 @ 1'-0	8'-8	252		
	f2 10 - #5 @ 1'-0	24'-8	257		
	g1 27 - #7 @ 0'-11	9'-8	533		
	g2 11 - #7 @ 0'-11	24'-8	555		
4' x 10' x 27'	d2 44 - #10 AS SHOWN	11'-4	2146	4143	40.0
	f1 27 - #5 @ 1'-0	9'-8	272		
	f2 10 - #5 @ 1'-0	26'-8	278		
	g1 30 - #7 @ 0'-10 1/2	9'-8	593		
	g2 12 - #8 @ 0'-10	26'-8	854		



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. Dwyer</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		H30-84-06	
45° SKEW - H=25' to 40'			