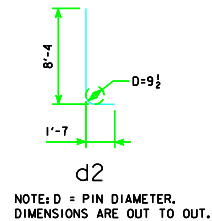
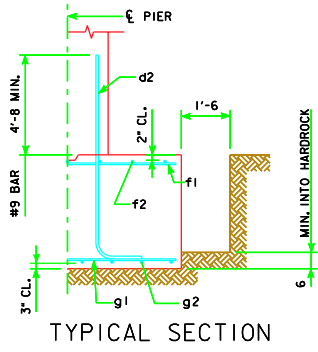
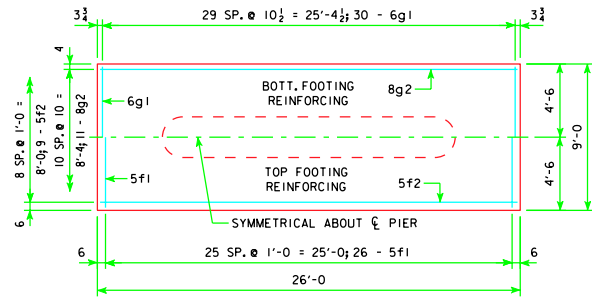
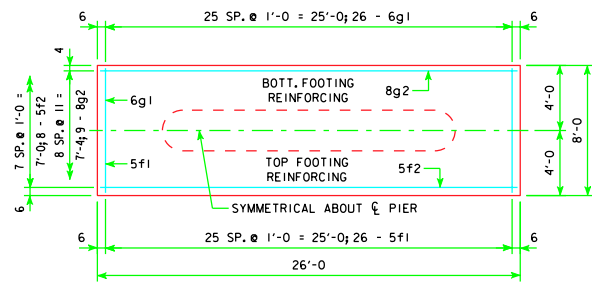


REVISED 01-10 - ADDED FOOTING NOTES.

H IN FT.	℄ - ℄ ABUT. BRG.	FOOTING SIZE
25 TO 27	138'-10 151'-4 163'-10 176'-4 188'-10	4' x 8' x 26'
28 TO 30	201'-4 213'-10 226'-4 243'-0	4' x 9' x 26'
31 TO 33	138'-10 151'-4 163'-10 176'-4 188'-10 201'-4 213'-10 226'-4 243'-0	4' x 9' x 28'
34 TO 36	138'-10 151'-4 163'-10 176'-4 188'-10 201'-4 213'-10 226'-4 243'-0	4' x 9' x 30'
37 TO 40	138'-10 151'-4 163'-10 176'-4 188'-10 201'-4 213'-10 226'-4 243'-0	4' x 10' x 30'



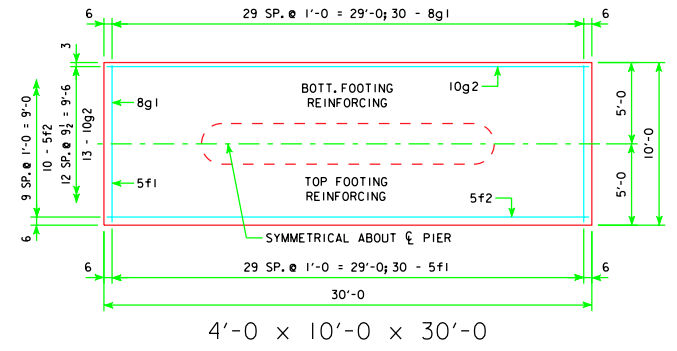
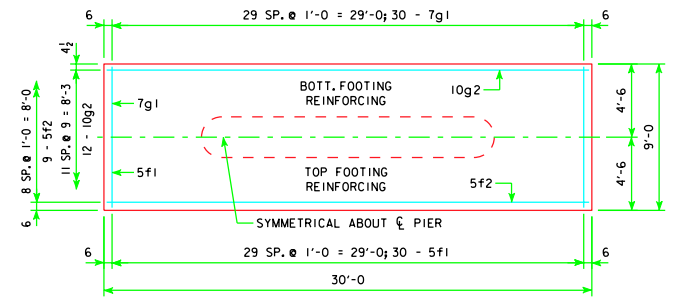
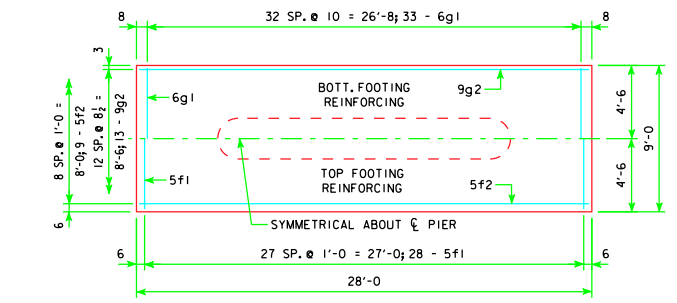
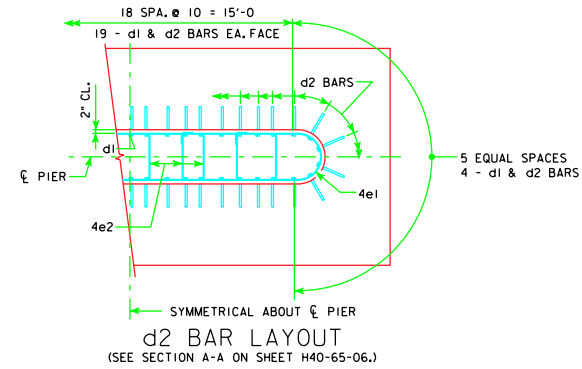
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 8' x 26'	d2	46 - #9 AS SHOWN	9'-11	1551	2889	30.8
	f1	26 - #5 @ 1'-0	7'-8	208		
	f2	8 - #5 @ 1'-0	25'-8	214		
	g1	26 - #6 @ 1'-0	7'-8	299		
	g2	9 - #8 @ 0'-11	25'-8	617		
4' x 9' x 26'	d2	46 - #9 AS SHOWN	9'-11	1551	3172	34.7
	f1	26 - #5 @ 1'-0	8'-8	235		
	f2	9 - #5 @ 1'-0	25'-8	241		
	g1	30 - #6 @ 0'-10 1/2	8'-8	391		
	g2	11 - #8 @ 0'-10	25'-8	754		
4' x 9' x 28'	d2	46 - #9 AS SHOWN	9'-11	1551	3717	37.3
	f1	28 - #5 @ 1'-0	8'-8	253		
	f2	9 - #5 @ 1'-0	27'-8	260		
	g1	33 - #6 @ 0'-10	8'-8	430		
	g2	13 - #9 @ 0'-8 1/2	27'-8	1223		
4' x 9' x 30'	d2	46 - #9 AS SHOWN	9'-11	1551	4163	40.0
	f1	30 - #5 @ 1'-0	8'-8	271		
	f2	9 - #5 @ 1'-0	29'-8	278		
	g1	30 - #7 @ 1'-0	8'-8	531		
	g2	12 - #10 @ 0'-9	29'-8	1532		
4' x 10' x 30'	d2	46 - #9 AS SHOWN	9'-11	1551	4596	44.4
	f1	30 - #5 @ 1'-0	9'-8	302		
	f2	10 - #5 @ 1'-0	29'-8	309		
	g1	30 - #8 @ 1'-0	9'-8	774		
	g2	13 - #10 @ 0'-9 1/2	29'-8	1660		



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 H40-65-06.

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



LATEST REVISION DATE 01-10	APPROVED BY BRIDGE ENGINEER <i>Thomas L. McDaniel</i>	 Iowa Department of Transportation Highway Division	
		STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES AUGUST, 2009	
		TEE PIER - SPREAD FOOTINGS 15° SKEW - H=25' TO 40'	H40-72-06