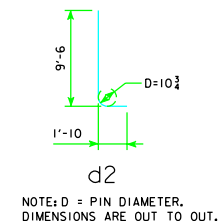
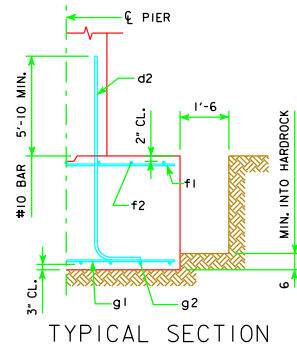


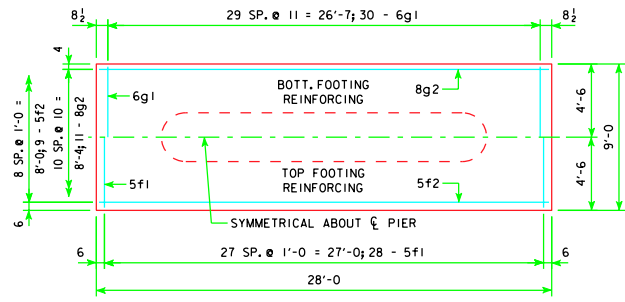
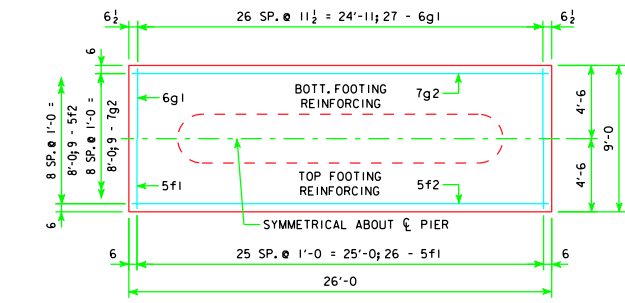
REVISED 01-10 - ADDED FOOTING NOTES.

H IN FT.	℄ - ℄ ABUT. BRG.	FOOTING SIZE
25 TO 27	138'-10 151'-4 163'-10	4' x 9' x 26'
	176'-4 188'-10	4' x 9' x 28'
	201'-4 213'-10	4' x 9' x 30'
	226'-4 243'-0	4' x 9' x 32'
28 TO 30	138'-10 151'-4 163'-10	4' x 9' x 26'
	176'-4 188'-10	4' x 9' x 28'
	201'-4 213'-10	4' x 9' x 30'
	226'-4 243'-0	4' x 9' x 32'
31 TO 33	138'-10 151'-4 163'-10	4' x 9' x 26'
	176'-4 188'-10	4' x 9' x 28'
	201'-4 213'-10	4' x 9' x 30'
	226'-4 243'-0	4' x 10' x 32'
34 TO 36	138'-10 151'-4 163'-10	4' x 9' x 28'
	176'-4 188'-10	4' x 9' x 30'
	201'-4 213'-10	4' x 9' x 32'
	226'-4 243'-0	4' x 10' x 32'
37 TO 40	138'-10 151'-4 163'-10	4' x 9' x 28'
	176'-4 188'-10	4' x 9' x 30'
	201'-4 213'-10	4' x 9' x 32'
	226'-4 243'-0	4' x 10' x 32'



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

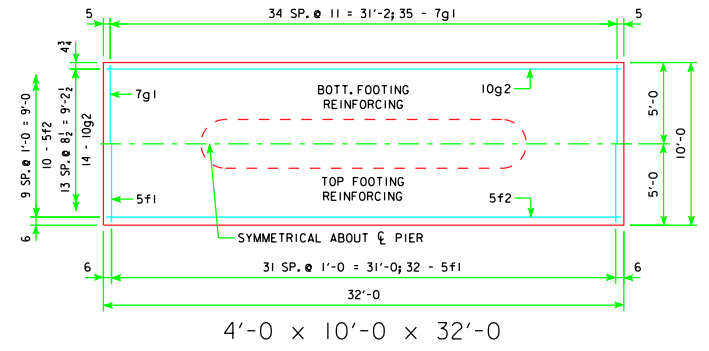
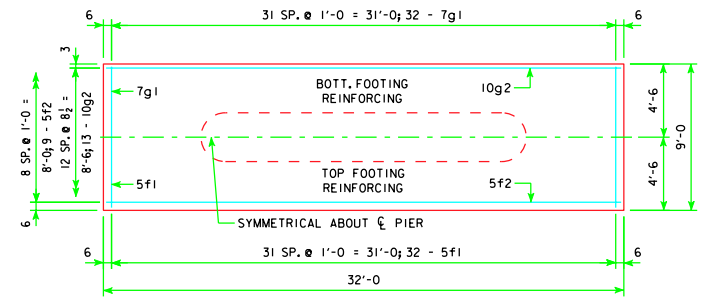
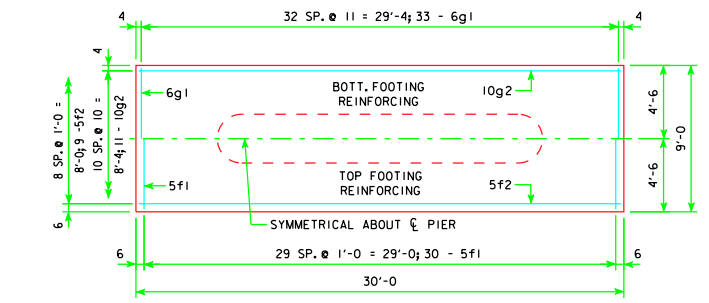
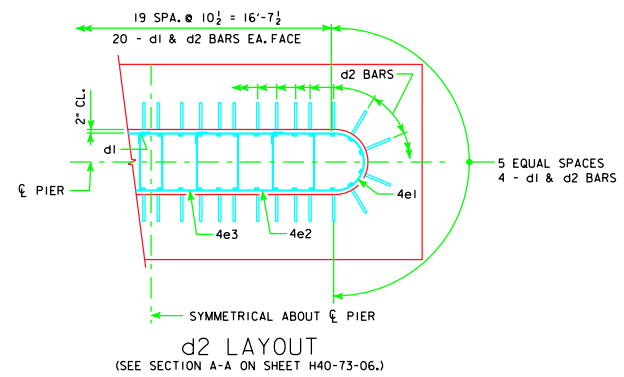
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 9' x 26'	d2	48 - #10 AS SHOWN	11'-4	2341	3640	34.7
	f1	26 - #5 @ 1'-0	8'-8	235		
	f2	9 - #5 @ 1'-0	25'-8	241		
	g1	27 - #6 @ 0'-11 1/2	8'-8	351		
	g2	9 - #7 @ 1'-0	25'-8	472		
4' x 9' x 28'	d2	48 - #10 AS SHOWN	11'-4	2341	4058	37.3
	f1	28 - #5 @ 1'-0	8'-8	253		
	f2	9 - #5 @ 1'-0	27'-8	260		
	g1	30 - #6 @ 0'-11	8'-8	391		
	g2	11 - #8 @ 0'-10	27'-8	813		
4' x 9' x 30'	d2	48 - #10 AS SHOWN	11'-4	2341	4724	40.0
	f1	30 - #5 @ 1'-0	8'-8	271		
	f2	9 - #5 @ 1'-0	29'-8	278		
	g1	33 - #6 @ 0'-11	8'-8	430		
	g2	11 - #10 @ 0'-10	29'-8	1404		
4' x 9' x 32'	d2	48 - #10 AS SHOWN	11'-4	2341	5265	42.7
	f1	32 - #5 @ 1'-0	8'-8	289		
	f2	9 - #5 @ 1'-0	31'-8	297		
	g1	32 - #7 @ 1'-0	8'-8	567		
	g2	13 - #10 @ 0'-8 1/2	31'-8	1771		
4' x 10' x 32'	d2	48 - #10 AS SHOWN	11'-4	2341	5594	47.4
	f1	32 - #5 @ 1'-0	9'-8	323		
	f2	10 - #5 @ 1'-0	31'-8	330		
	g1	35 - #7 @ 0'-11	9'-8	692		
	g2	14 - #10 @ 0'-8 1/2	31'-8	1908		



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 H40-73-06.

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 KIIPS 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 30° SKEW - H=25' TO 40'	H40-80-06