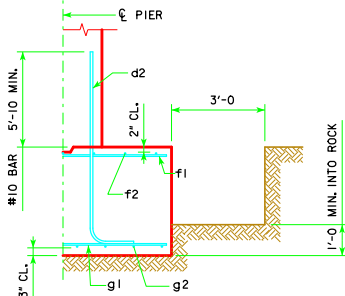


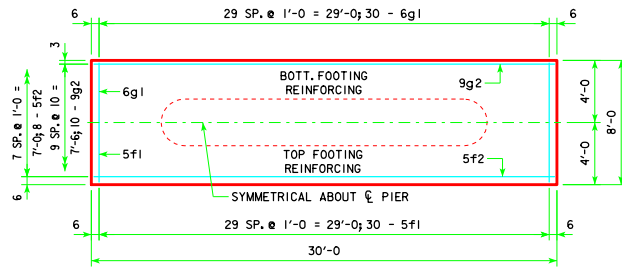
H IN FT.	℄ - ℄ ABUT. BRG.	FOOTING SIZE
25 TO 27	138'-10 151'-4	4' x 8' x 30'
	163'-10 176'-4	4' x 9' x 30'
	188'-10 201'-4	4' x 9' x 32'
	213'-10 226'-4	4' x 10' x 32'
	243'-0	
28 TO 30	138'-10 151'-4	4' x 8' x 30'
	163'-10 176'-4	4' x 9' x 30'
	188'-10 201'-4	4' x 9' x 32'
	213'-10 226'-4	4' x 10' x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

NOTE: THE REINFORCING STEEL QUANTITY IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.
NOTE: THE CONCRETE QUANTITY IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

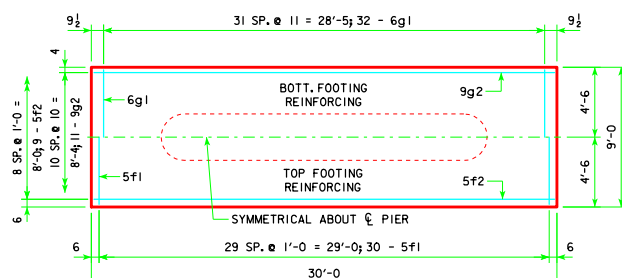


TYPICAL SECTION

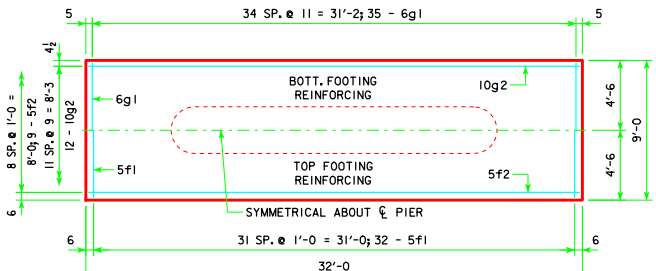
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 8' x 30'	d2	50 - #10 AS SHOWN	11'-4	2438	4280	35.6
	f1	30 - #5 @ 1'-0	7'-8	240		
	f2	8 - #5 @ 1'-0	29'-8	248		
	g1	30 - #6 @ 1'-0	7'-8	345		
	g2	10 - #9 @ 0'-10	29'-8	1009		
4' x 9' x 30'	d2	50 - #10 AS SHOWN	11'-4	2438	4514	40.0
	f1	30 - #5 @ 1'-0	8'-8	271		
	f2	9 - #5 @ 1'-0	29'-8	278		
	g1	32 - #6 @ 0'-11	8'-8	417		
	g2	11 - #9 @ 0'-10	29'-8	1110		
4' x 9' x 32'	d2	50 - #10 AS SHOWN	11'-4	2438	5115	42.7
	f1	32 - #5 @ 1'-0	8'-8	289		
	f2	9 - #5 @ 1'-0	31'-8	297		
	g1	35 - #6 @ 0'-11	8'-8	456		
	g2	12 - #10 @ 0'-9	31'-8	1635		
4' x 10' x 32'	d2	50 - #10 AS SHOWN	11'-4	2438	5554	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	13 - #10 @ 0'-9	31'-8	1771		
4' x 10' x 34'	d2	50 - #10 AS SHOWN	11'-4	2438	6036	50.4
	f1	34 - #5 @ 1'-0	9'-8	343		
	f2	10 - #5 @ 1'-0	33'-8	351		
	g1	37 - #7 @ 0'-11	9'-8	731		
	g2	15 - #10 @ 0'-8	33'-8	2173		



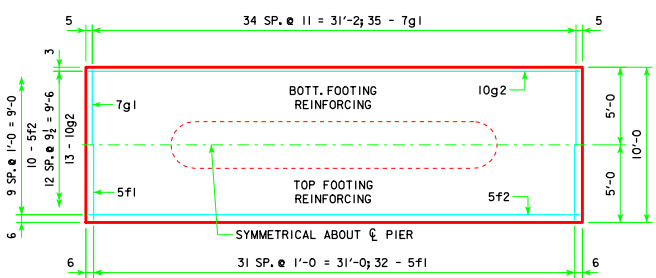
4'-0 x 8'-0 x 30'-0



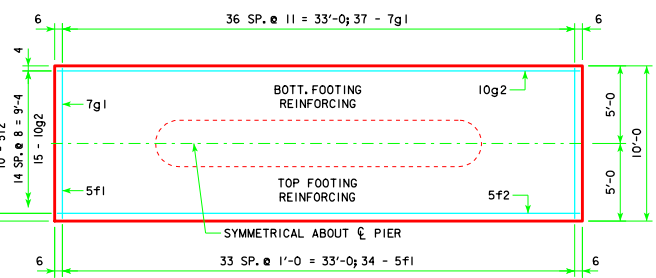
4'-0 x 9'-0 x 30'-0



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



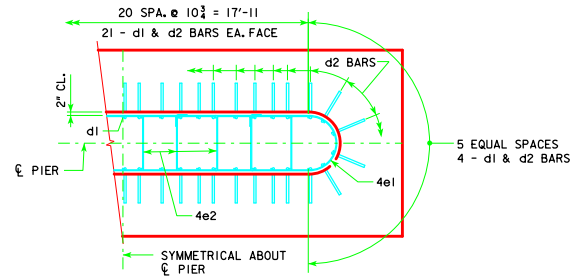
4'-0 x 10'-0 x 32'-0



4'-0 x 10'-0 x 34'-0

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 H44-66-14.
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).



d2 BAR LAYOUT (SEE SECTION A-A ON SHEET H44-66-14.)

d2
NOTE: D = PIN DIAMETER. DIMENSIONS ARE OUT TO OUT.

LATEST REVISION DATE	<i>Thomas E. M. Donnell</i> APPROVED BY BRIDGE ENGINEER	IOWADOT Highway Division STANDARD DESIGN - 44' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES SEPTEMBER, 2014	H44-73-14
	TEE PIER - SPREAD FOOTINGS 30° SKEW - H=25' TO 40'		