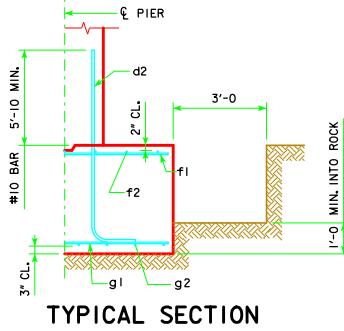
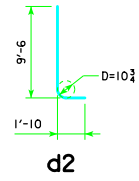


H IN FT.	CL. - CL. ABUT. BRG.	FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)		TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)	
			BAR NO., SIZE & SPACING	LENGTH			
25 TO 27	138'-10"	4' x 8' x 30'	d2 58 - #10 AS SHOWN	11'-4"	2828	4017	35.6
	151'-4"	4' x 9' x 30'	f1 30 - #5 @ 1'-0"	7'-8"	240		
	163'-10"	4' x 9' x 30'	f2 8 - #5 @ 1'-0"	29'-8"	248		
	176'-4"	4' x 9' x 30'	g1 30 - #6 @ 1'-0"	7'-8"	345		
	188'-10"	4' x 9' x 30'	g2 8 - #6 @ 1'-0"	29'-8"	356		
28 TO 30	138'-10"	4' x 8' x 30'	d2 58 - #10 AS SHOWN	11'-4"	2828	4182	40.0
	151'-4"	4' x 9' x 30'	f1 30 - #5 @ 1'-0"	8'-8"	271		
	163'-10"	4' x 9' x 30'	f2 9 - #5 @ 1'-0"	29'-8"	278		
	176'-4"	4' x 9' x 30'	g1 31 - #6 @ 0'-11 1/2"	8'-8"	404		
	188'-10"	4' x 9' x 30'	g2 9 - #6 @ 1'-0"	29'-8"	401		
31 TO 33	138'-10"	4' x 9' x 30'	d2 58 - #10 AS SHOWN	11'-4"	2828	4634	42.7
	151'-4"	4' x 9' x 30'	f1 32 - #5 @ 1'-0"	8'-8"	289		
	163'-10"	4' x 9' x 30'	f2 9 - #5 @ 1'-0"	31'-8"	297		
	176'-4"	4' x 9' x 30'	g1 34 - #6 @ 0'-11"	8'-8"	443		
	188'-10"	4' x 9' x 30'	g2 12 - #7 @ 0'-9"	31'-8"	777		
34 TO 36	138'-10"	4' x 9' x 30'	d2 58 - #10 AS SHOWN	11'-4"	2828	4994	47.4
	151'-4"	4' x 9' x 30'	f1 32 - #5 @ 1'-0"	9'-8"	323		
	163'-10"	4' x 9' x 30'	f2 10 - #5 @ 1'-0"	31'-8"	330		
	176'-4"	4' x 9' x 30'	g1 34 - #7 @ 0'-11"	9'-8"	672		
	188'-10"	4' x 9' x 30'	g2 13 - #7 @ 0'-9"	31'-8"	841		
37 TO 40	138'-10"	4' x 9' x 30'	d2 58 - #10 AS SHOWN	11'-4"	2828	5627	50.4
	151'-4"	4' x 9' x 30'	f1 34 - #5 @ 1'-0"	9'-8"	343		
	163'-10"	4' x 9' x 30'	f2 10 - #5 @ 1'-0"	33'-8"	351		
	176'-4"	4' x 9' x 30'	g1 37 - #7 @ 0'-11"	9'-8"	731		
	188'-10"	4' x 9' x 30'	g2 12 - #9 @ 0'-10"	33'-8"	1374		

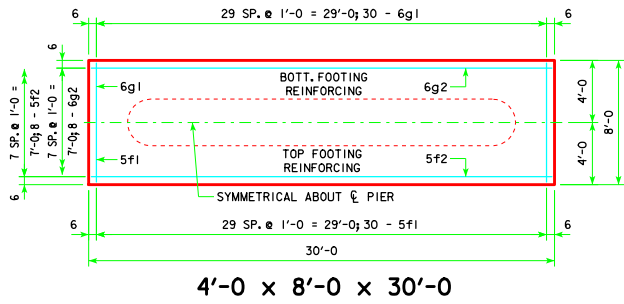


TYPICAL SECTION

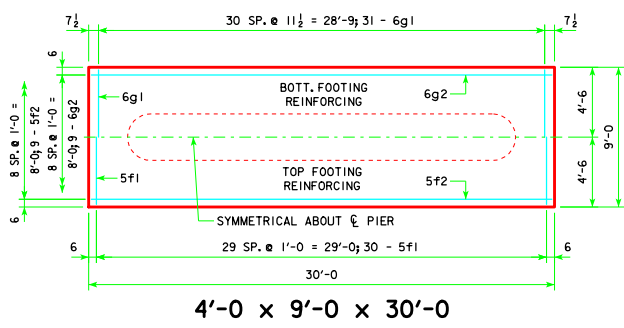
NOTE: THE REINFORCING STEEL QUANTITY IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.
NOTE: THE CONCRETE QUANTITY IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.



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



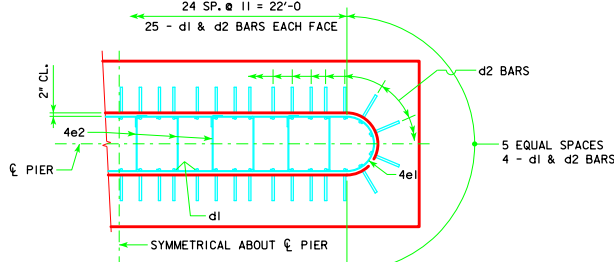
4'-0 x 8'-0 x 30'-0



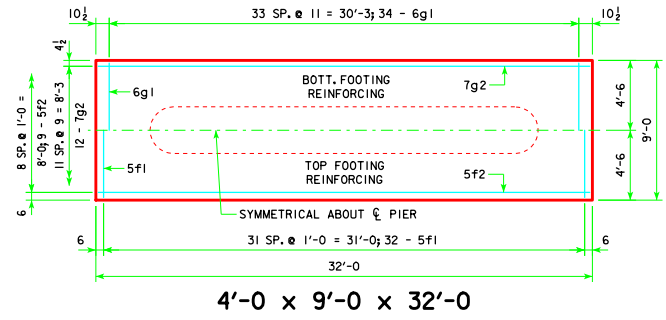
4'-0 x 9'-0 x 30'-0

FOOTING NOTES:

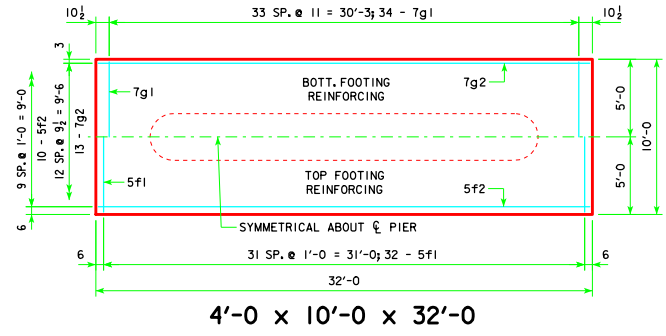
THESE SPREAD FOOTINGS ARE DESIGNED AND DETAILED TO BE USED WITH THE CAP AND COLUMN DETAILS OF THE TEE PIERS AS SHOWN ON SHEET H40-81-14.
THESE SPREAD FOOTINGS SHALL EXTEND AT LEAST 12 INCHES INTO SUITABLE FOUNDATION ROCK AND THE LAST 12 INCHES OF ROCK EXCAVATION SHALL BE TO NEAT LINES OF MASONRY. THE 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).



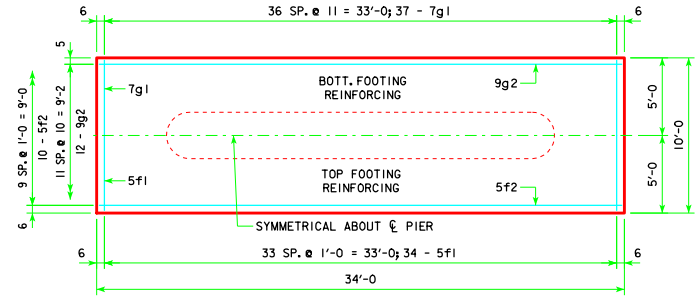
d2 LAYOUT
(SEE SECTION A-A ON SHEET H40-81-14.)



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



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



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

LATEST REVISION DATE	<i>Thomas E. Mc Donnell</i> APPROVED BY BRIDGE ENGINEER	IOWADOT Highway Division STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES SEPTEMBER, 2014	TEE PIER - SPREAD FOOTINGS 45° SKEW - H=25' TO 40'	H40-88-14