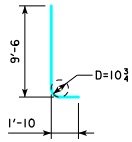
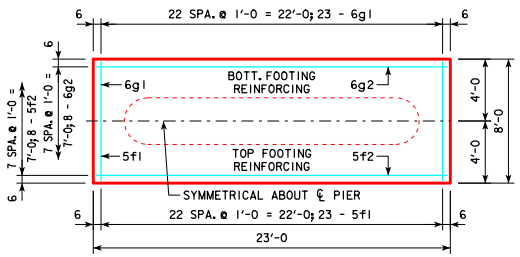
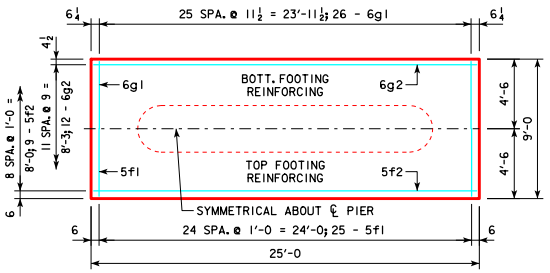


d2

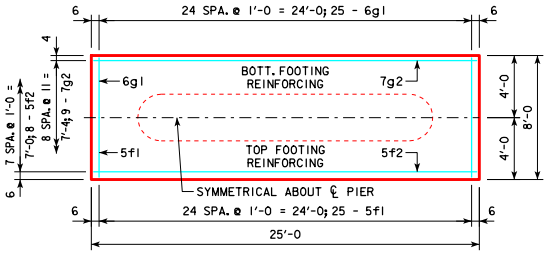
NOTE: D = PIN DIAMETER.
DIMENSIONS ARE OUT TO OUT.



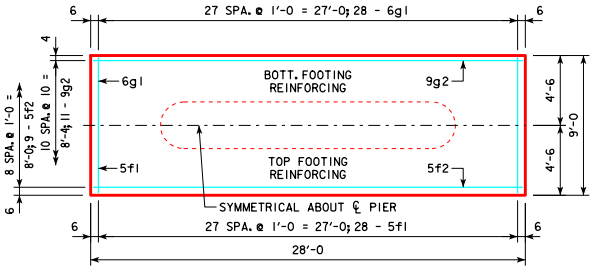
4'-0 x 8'-0 x 23'-0



4'-0 x 9'-0 x 25'-0



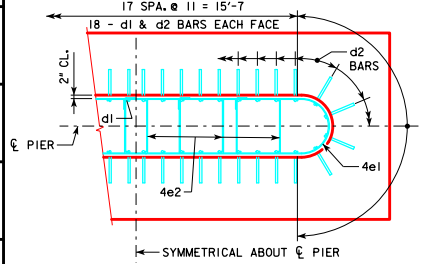
4'-0 x 8'-0 x 25'-0



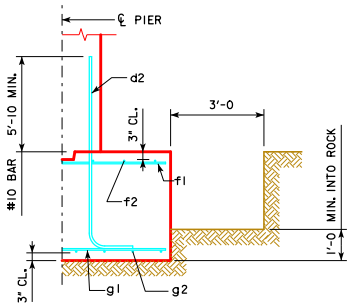
4'-0 x 9'-0 x 28'-0

H IN FT.	℄ - ℄ ABUT. BRG.	FOOTING SIZE
25 TO 27	138'-10 151'-4 163'-10 176'-4 188'-10	4' x 8' x 23'
	201'-4 213'-10 226'-4 243'-0	4' x 8' x 25'
28 TO 30	138'-10	4' x 8' x 23'
	151'-4 163'-10 176'-4 188'-10 201'-4 213'-10	4' x 8' x 25'
	226'-4 243'-0	4' x 9' x 25'
31 TO 33	201'-4 213'-10 226'-4 243'-0	4' x 9' x 25'
34 TO 36	201'-4 213'-10 226'-4 243'-0	4' x 9' x 25'
37 TO 40	201'-4 213'-10 226'-4 243'-0	4' x 9' x 28'

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING) BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)	TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
4' x 8' x 23'	d2	44 - #10 AS SHOWN	11'-4	2146	3056	27.3
	f1	23 - #5 @ 1'-0	7'-8	184		
	f2	8 - #5 @ 1'-0	22'-8	189		
	g1	23 - #6 @ 1'-0	7'-8	265		
	g2	8 - #6 @ 1'-0	22'-8	272		
4' x 8' x 25'	d2	44 - #10 AS SHOWN	11'-4	2146	3294	29.6
	f1	25 - #5 @ 1'-0	7'-8	200		
	f2	8 - #5 @ 1'-0	24'-8	206		
	g1	25 - #6 @ 1'-0	7'-8	288		
	g2	9 - #7 @ 0'-11	24'-8	454		
4' x 9' x 25'	d2	44 - #10 AS SHOWN	11'-4	2146	3387	33.3
	f1	25 - #5 @ 1'-0	8'-8	226		
	f2	9 - #5 @ 1'-0	24'-8	232		
	g1	26 - #6 @ 0'-11½	8'-8	338		
	g2	12 - #6 @ 0'-9	24'-8	445		
4' x 9' x 28'	d2	44 - #10 AS SHOWN	11'-4	2146	4058	37.3
	f1	28 - #5 @ 1'-0	8'-8	253		
	f2	9 - #5 @ 1'-0	27'-8	260		
	g1	28 - #6 @ 1'-0	8'-8	364		
	g2	11 - #9 @ 0'-10	27'-8	1035		



d2 BAR LAYOUT
(SEE SECTION A-A ON SHEET H24-64-06.)



TYPICAL SECTION

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 H24-64-06.

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 BEARING VALUE OF AT LEAST 10 KIPS PER SQUARE FOOT).

09-2016
LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE

PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES

DECEMBER, 2006

TEE PIER - SPREAD FOOTINGS

30° SKEW - H=25' TO 40'

H24-70-06

REVISED 04-12 - EXCAVATION LIMIT WAS CHANGED TO 3'-0.
REVISED 09-2016 - CHANGED VERTICAL CLEARANCE OF REBAR "f2" TO TOP OF PIER FOOTING TO 3" (WAS 2").