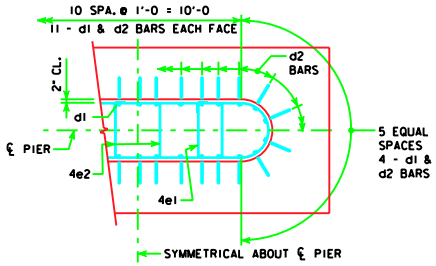
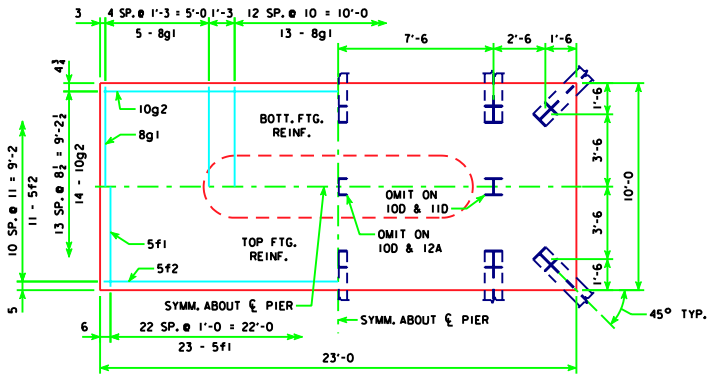
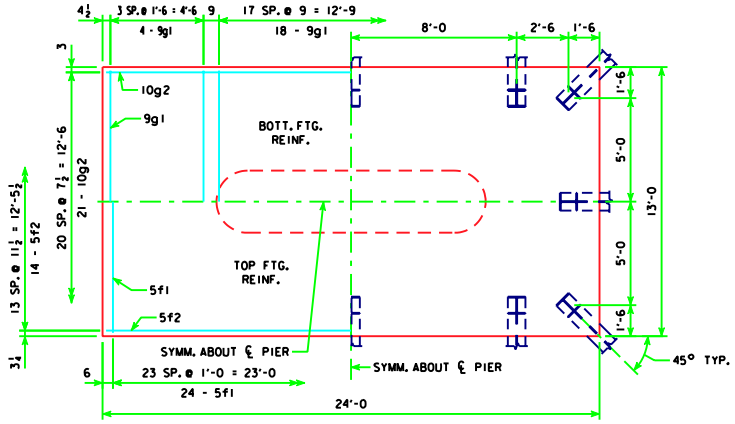


d2 BAR LAYOUT
(SEE SECTION A-A ON SHEET H24-56-06.)

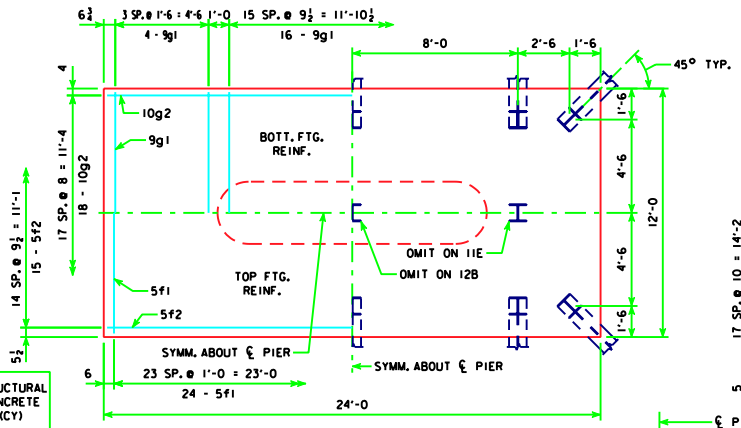


4'-0 x 10'-0 x 23'-0 FOR 10D, 11D & 12A

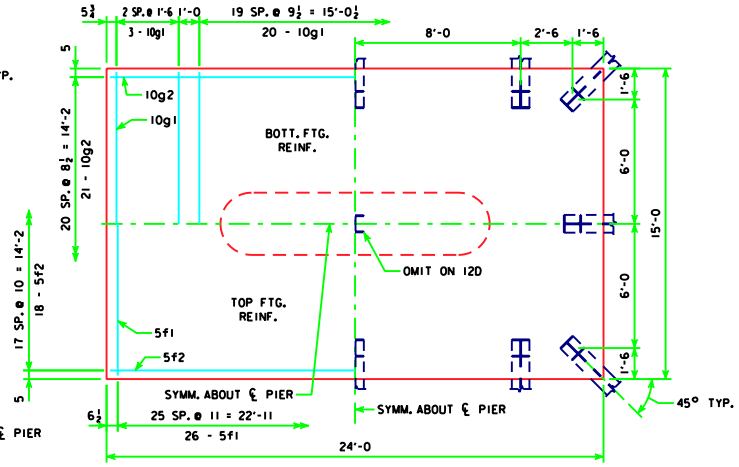


4'-0 x 13'-0 x 24'-0 FOR 12C

H IN FT.	℄ - ℄ ABUT. BRG.	PILING NO. & LAYOUT	PILING DES. BRG. (TONS)	FOOTING SIZE
25 TO 27	201'-4	10D	50	4' x 10' x 23'
	213'-10	11D	48	
	226'-4	12A	45	
	243'-0	12A	46	
28 TO 30	201'-4	11E	48	4' x 12' x 24'
	213'-10	11E	49	
	226'-4	12B	46	
	243'-0	12B	48	
31 TO 33	201'-4	11E	49	4' x 12' x 24'
	213'-10	12B	46	
	226'-4	12B	48	
	243'-0	12B	49	
34 TO 36	201'-4	12C	45	4' x 13 x 24'
	213'-10	12C	46	
	226'-4	12C	48	
	243'-0	12C	49	
37 TO 40	201'-4	12D	47	4' x 15' x 24'
	213'-10	12D	48	
	226'-4	12D	50	
	243'-0	13A	49	



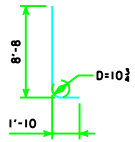
4'-0 x 12'-0 x 24'-0 FOR 11E & 12B



4'-0 x 15'-0 x 24'-0 FOR 12D & 13A

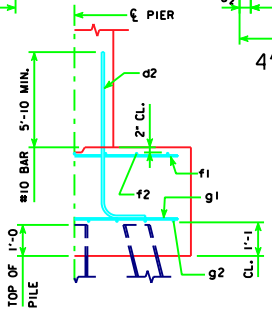
NOTE:
SEE SHEET H24-57-06 FOR FOOTING NOTES.

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING) BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)	TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
4' x 10' x 23'	d2	30 - #10 AS SHOWN	10'-6	1355	3806	34.1
	f1	23 - #5 @ 1'-0	9'-8	232		
	f2	11 - #5 @ 0'-11	22'-8	260		
	g1	23 - #8 AS SHOWN	9'-8	594		
	g2	14 - #10 @ 0'-8½	22'-8	1365		
4' x 12' x 24'	d2	30 - #10 AS SHOWN	10'-6	1355	4802	42.7
	f1	24 - #5 @ 1'-0	11'-8	292		
	f2	15 - #5 @ 0'-9½	23'-8	370		
	g1	24 - #9 AS SHOWN	11'-8	952		
	g2	18 - #10 @ 0'-8	23'-8	1833		
4' x 13' x 24'	d2	30 - #10 AS SHOWN	10'-6	1355	5277	46.2
	f1	24 - #5 @ 1'-0	12'-8	317		
	f2	14 - #5 @ 0'-11½	23'-8	346		
	g1	26 - #9 AS SHOWN	12'-8	1120		
	g2	21 - #10 @ 0'-7½	23'-8	2139		
4' x 15' x 24'	d2	30 - #10 AS SHOWN	10'-6	1355	5977	53.3
	f1	26 - #5 @ 0'-11	14'-8	398		
	f2	18 - #5 @ 0'-10	23'-8	444		
	g1	26 - #10 AS SHOWN	14'-8	1641		
	g2	21 - #10 @ 0'-8½	23'-8	2139		



d2

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



TYPICAL SECTION

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

Iowa Department of Transportation
Highway Division

STANDARD DESIGN STANDARD FOR THREE SPAN BRIDGE
PRETENSIONED PRESTRESSED
CONCRETE BEAM BRIDGES
HL93 SUPERSTRUCTURE DECEMBER 2006 HS25 SUBSTRUCTURE

TEE PIER - STEEL PILE FOOTINGS, H=25' TO 40'
30° SKEW

H24-58-06