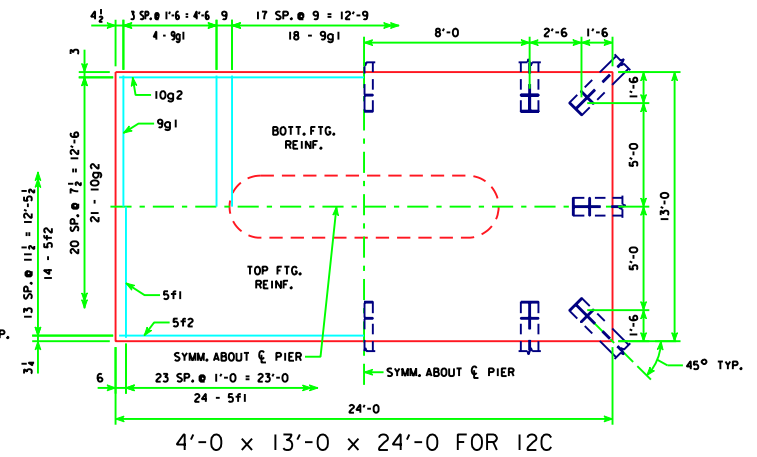
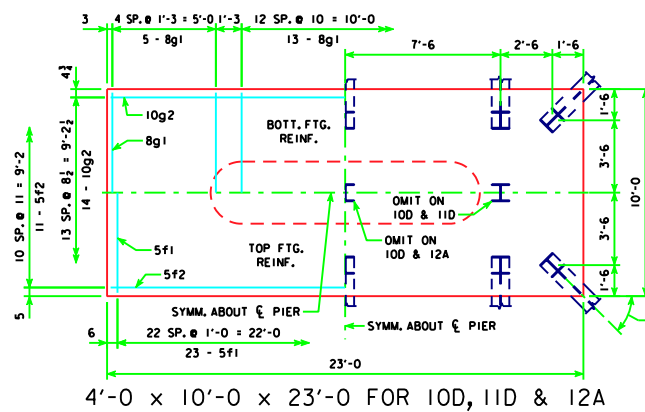
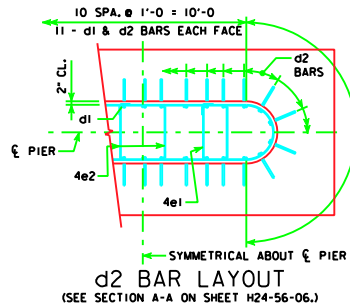
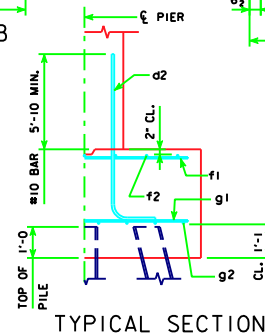
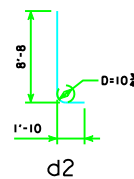
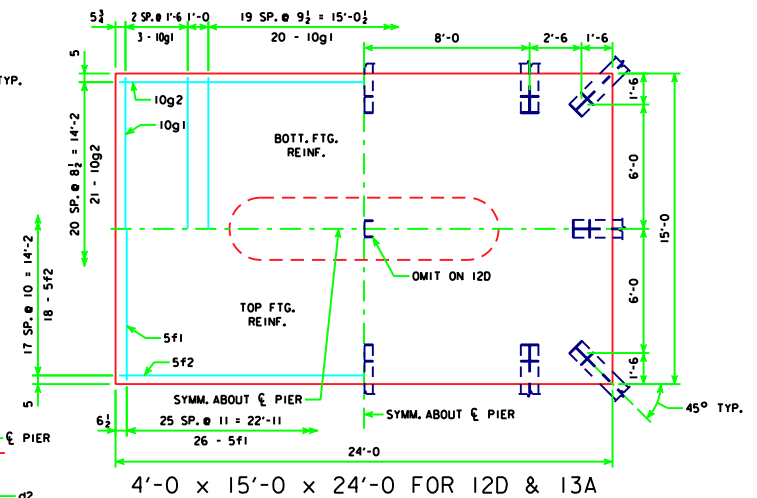
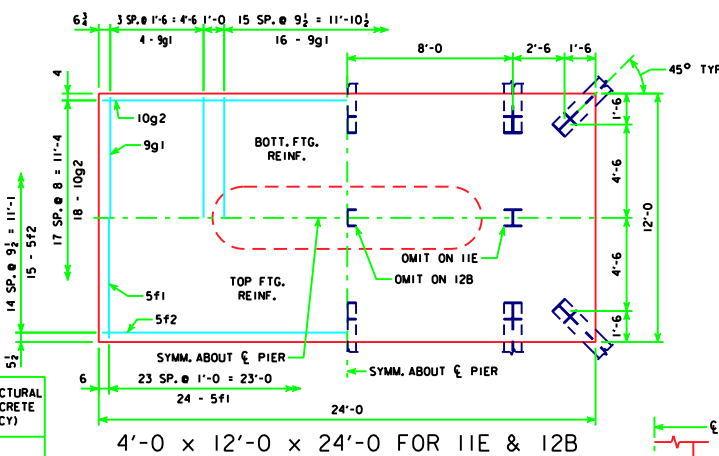




H IN FT.	CL ABUT. BRG.	PIILING NO. & LAYOUT	DES. BRG. (TONS)	FOOTING SIZE
201'-4	IOB	50		
213'-10	IID	48		4' x 10' x 23'
226'-4	I2A	45		
243'-0	I2A	46		
201'-4	IIE	48		
213'-10	IIE	49		4' x 12' x 24'
226'-4	I2B	46		
243'-0	I2B	48		
201'-4	IIE	49		
213'-10	I2B	46		4' x 12' x 24'
226'-4	I2B	48		
243'-0	I2B	49		
201'-4	I2C	45		
213'-10	I2C	46		4' x 13' x 24'
226'-4	I2C	48		
243'-0	I2C	49		
201'-4	I2D	47		
213'-10	I2D	48		4' x 15' x 24'
226'-4	I2D	50		
243'-0	I3A	49		

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
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'-8 1/2"	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'-9 1/2"	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'-11"	23'-8"	346		
	g1	26 - #9 AS SHOWN	12'-8"	1120		
	g2	21 - #10 @ 0'-7 1/2"	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'-8 1/2"	23'-8"	2139		



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

Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 24' ROADWAY, 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

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER