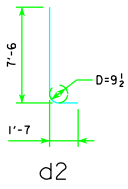
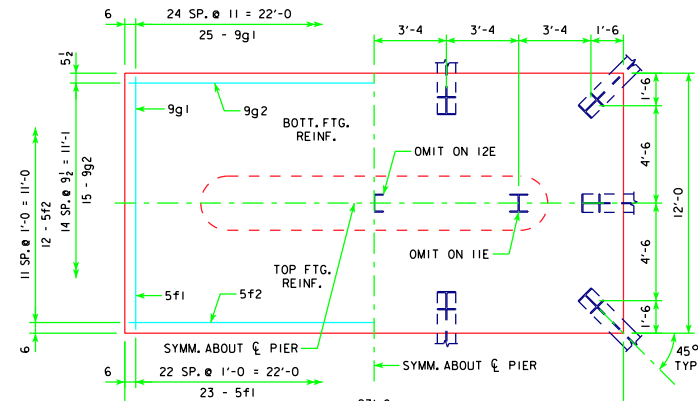
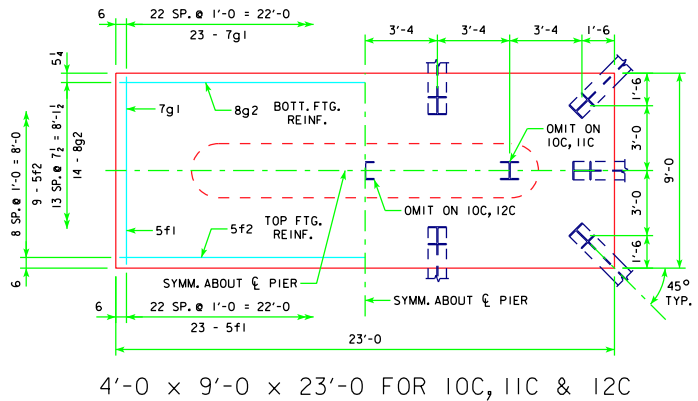


REVISED 07-10 - THIS SHEET WAS ADDED FOR A 75 TON PILING OPTION.

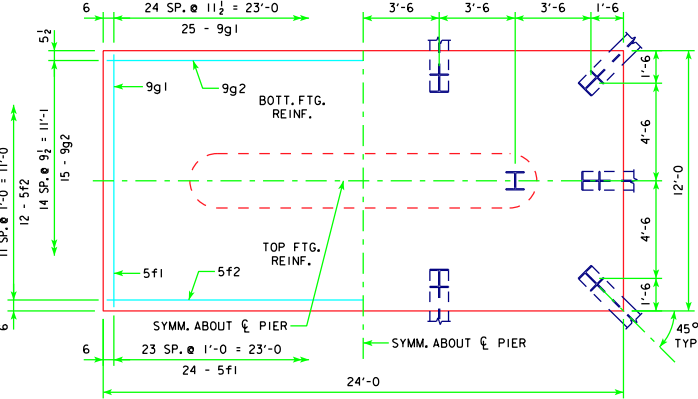
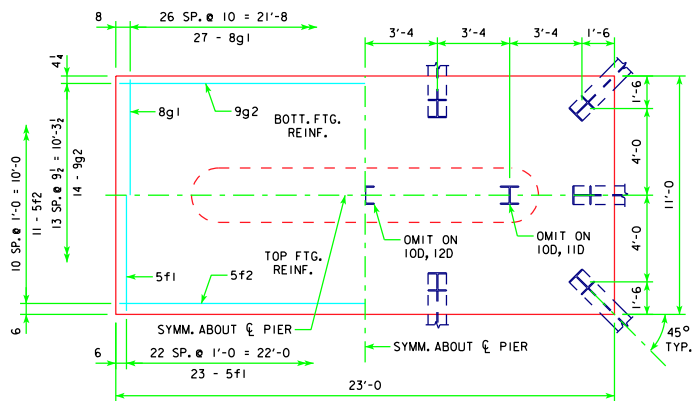


NOTE: D = PIN DIAMETER.
DIMENSIONS ARE OUT TO OUT.

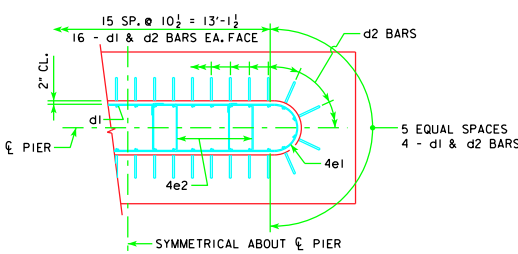


H IN FT.	C - C ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	DES. BRG. (TONS)	
27	201'-4	IOB	75	219
27	213'-10	I1C	73	212
27	226'-4	I2C	71	204
25	243'-0	I2C	73	211
30	201'-4	IOD	75	219
30	213'-10	I1D	73	211
30	226'-4	I2D	70	202
30	243'-0	I2D	73	209
33	201'-4	I1D	72	208
33	213'-10	I1D	74	215
33	226'-4	I2D	71	206
33	243'-0	I2D	74	213
36	201'-4	I1E	73	210
36	213'-10	I1E	75	217
36	226'-4	I2E	72	208
36	243'-0	I2E	74	215
40	201'-4	I2F	69	199
40	213'-10	I2F	71	204
40	226'-4	I2F	73	211
40	243'-0	I2F	75	218

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 9' x 23'	d2	40 - #9 AS SHOWN	9'-1	1235	2910	30.7
	f1	23 - #5 @ 1'-0	8'-8	208		
	f2	9 - #5 @ 1'-0	22'-8	213		
	g1	23 - #7 @ 1'-0	8'-8	407		
4' x 11' x 23'	g2	14 - #8 @ 0'-7 1/2	22'-8	847	1235	37.5
	d2	40 - #9 AS SHOWN	9'-1	1235		
	f1	23 - #5 @ 1'-0	10'-8	256		
	f2	11 - #5 @ 1'-0	22'-8	260		
4' x 12' x 23'	g1	27 - #8 @ 0'-10	10'-8	769	1156	40.9
	g2	14 - #9 @ 0'-9 1/2	22'-8	1079		
	d2	40 - #9 AS SHOWN	9'-1	1235		
	f1	23 - #5 @ 1'-0	11'-8	280		
4' x 12' x 24'	f2	12 - #5 @ 1'-0	22'-8	284	1156	42.7
	g1	25 - #9 @ 0'-11	11'-8	992		
	g2	15 - #9 @ 0'-9 1/2	22'-8	1156		
	d2	40 - #9 AS SHOWN	9'-1	1235		
4' x 12' x 24'	f1	24 - #5 @ 1'-0	11'-8	292	1207	42.7
	f2	12 - #5 @ 1'-0	23'-8	296		
	g1	25 - #9 @ 0'-11 1/2	11'-8	992		
	g2	15 - #9 @ 0'-9 1/2	23'-8	1207		

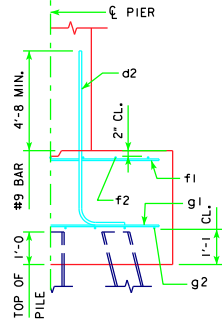


4'-0" x 11'-0" x 23'-0" FOR IOD, IID & I2D



d2 BAR LAYOUT
(SEE SECTION A-A ON SHEET H30-64-06.)

- ① FOR DETERMINING ACTUAL PILE LENGTHS IN FIELD.
- ② FOR ESTIMATING PILE LENGTHS USING AASHTO LRFD SPECIFICATIONS.



TYPICAL SECTION

FOOTING NOTES:

THESE FOOTINGS ARE DESIGNED AND DETAILED TO BE USED WITH THE CAP AND COLUMN DETAILS OF THE TEE PIERS AS SHOWN ON SHEET H30-64-06.

BATTER PILES IN EXTERIOR ROWS 1:4 IN THE DIRECTION SHOWN.

STEEL PILING USED AS POINT BEARING SHALL HAVE A MINIMUM DISTANCE OF APPROXIMATELY 10 FEET FROM BOTTOM OF FOOTING TO TOP OF BEARING ROCK. THE PILE LAYOUTS ARE SUCH THAT THE DISTANCE CENTER TO CENTER OF ADJACENT PILING SHALL NOT EXCEED 8'-0".

07-10

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES
PRETENSIONED PRESTRESSED
CONCRETE BEAM BRIDGES
DECEMBER, 2006

TEE PIER - 75 TON
STEEL PILE FOOTINGS
15° SKEW - H=25' TO 40'

H30-68-06