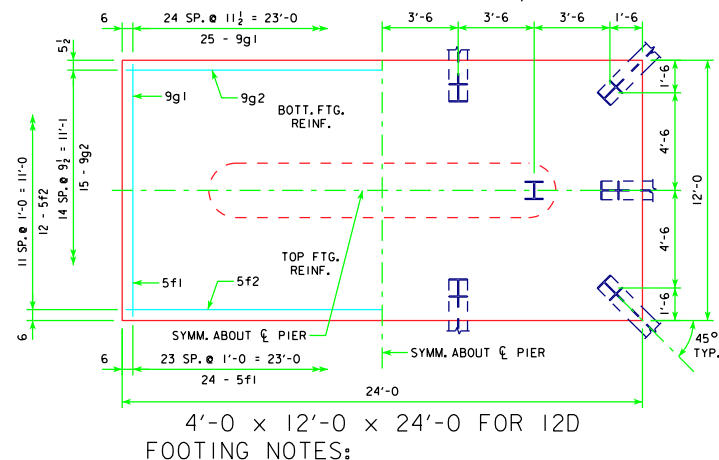
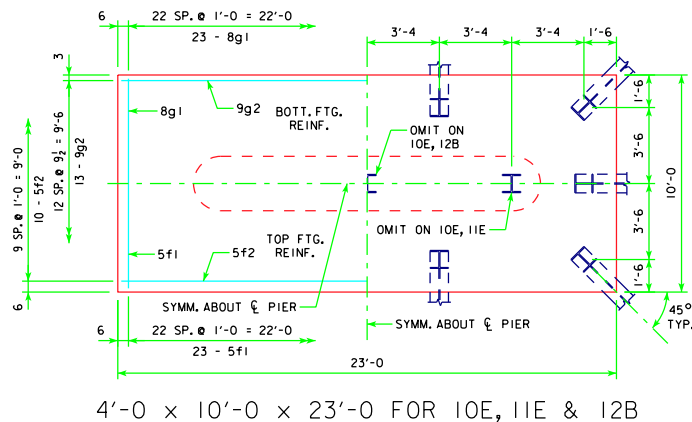
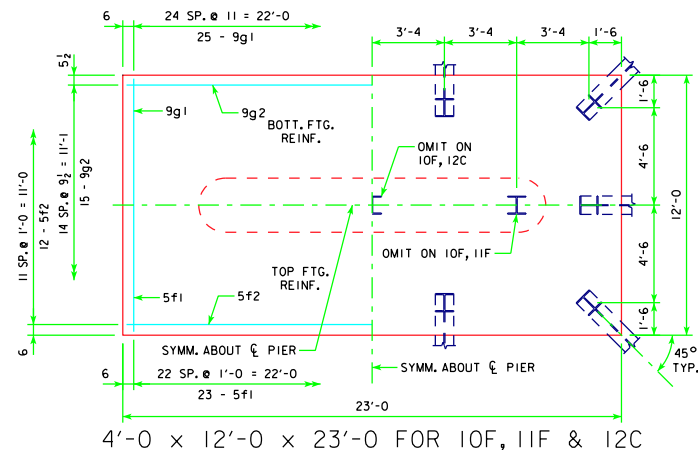
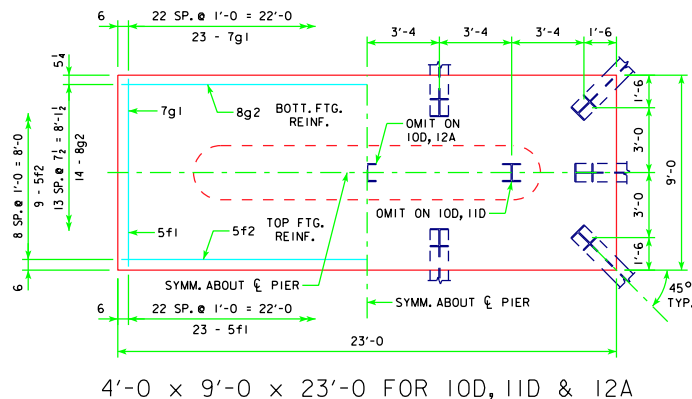


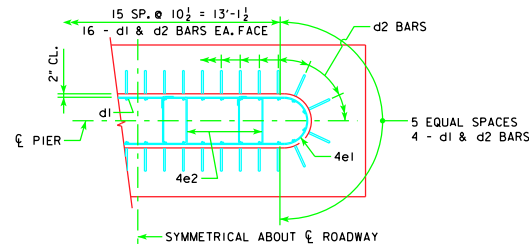
TYPICAL SECTION

H IN FT.	CL - CL ABUT. BRG.	NO. & LAYOUT	PILING (HP10x57) ① DES. BRG. (TONS) ② LRFD DES. BRG. (KIPS)	FOOTING SIZE
20'11"-4	10D	73	212	
21'3"-10	10D	75	219	
22'6"-4	11D	74	213	4' x 9' x 23'
24'3"-0	12A	71	204	
20'11"-4	10D	75	216	
21'3"-10	11D	73	211	
22'6"-4	11D	75	219	4' x 9' x 23'
24'3"-0	12A	73	210	
20'11"-4	10E	75	218	
21'3"-10	11E	73	212	
22'6"-4	12B	71	204	4' x 10' x 23'
24'3"-0	12B	73	211	
20'11"-4	10F	75	218	
21'3"-10	11F	73	211	4' x 12' x 23'
22'6"-4	11F	75	220	
24'3"-0	12C	73	210	
20'11"-4	12D	68	195	
21'3"-10	12D	70	201	4' x 12' x 24'
22'6"-4	12D	72	208	
24'3"-0	12D	75	215	

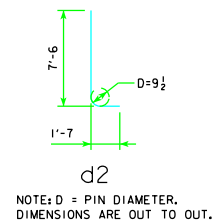
FOOTING SIZE	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)	TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
4' x 9' x 23'	d2	40 - #9 AS SHOWN	9'-1	1235	2910	30.7
	f1	23 - #5 @ 1'-0	8'-8	208		
	f2	9 - #5 @ 1'-0	22'-8	213		
	g1	23 - #7 @ 1'-0	8'-8	407		
4' x 10' x 23'	g2	14 - #8 @ 0'-7 1/2	22'-8	847	3299	34.1
	d2	40 - #9 AS SHOWN	9'-1	1235		
	f1	23 - #5 @ 1'-0	9'-8	232		
	f2	10 - #5 @ 1'-0	22'-8	236		
4' x 12' x 23'	g1	23 - #8 @ 1'-0	9'-8	594	3947	40.9
	g2	13 - #9 @ 0'-9 1/2	22'-8	1002		
	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	4022	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	4022	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 10'-0 x 23'-0 FOR 10E, 11E & 12B



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



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 H30-57-06.

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.

Iowa Department of Transportation Highway Division

STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES

PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES

DECEMBER, 2006

TEE PIER - 75 TON STEEL PILE FOOTINGS

0° SKEW - H=25' TO 40'

H30-61-06

07-10
LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER