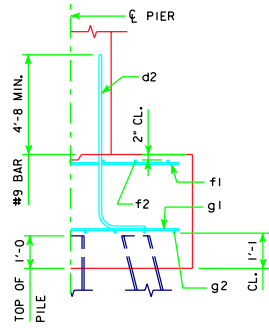
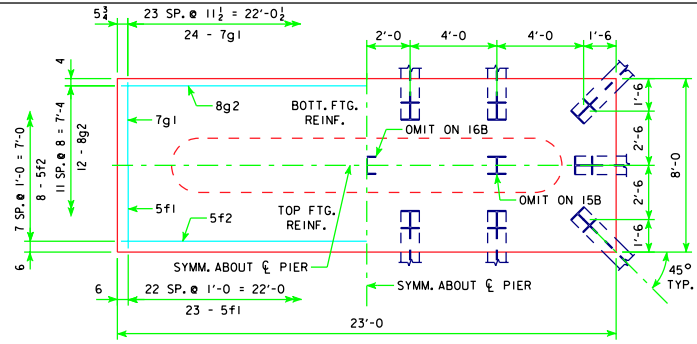


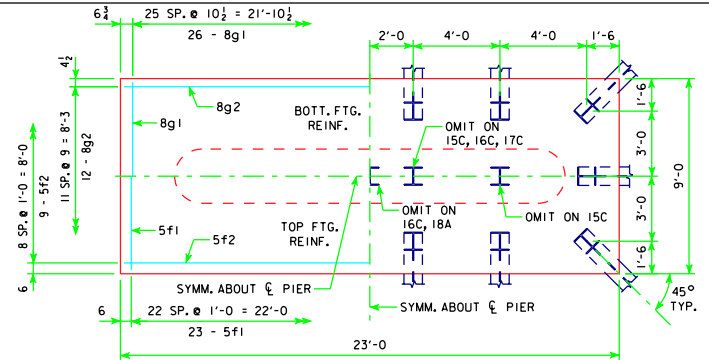
REVISED 11-09 - THIS SHEET WAS ADDED FOR A 75 TON STEEL PILING OPTION.



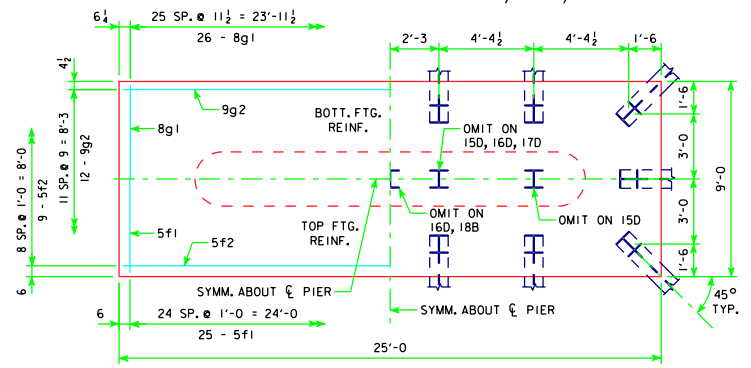
TYPICAL SECTION



4'-0 x 8'-0 x 23'-0 FOR 15B, 16B & 17B

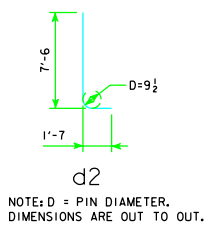


4'-0 x 9'-0 x 23'-0 FOR 15C, 16C, 17C & 18A

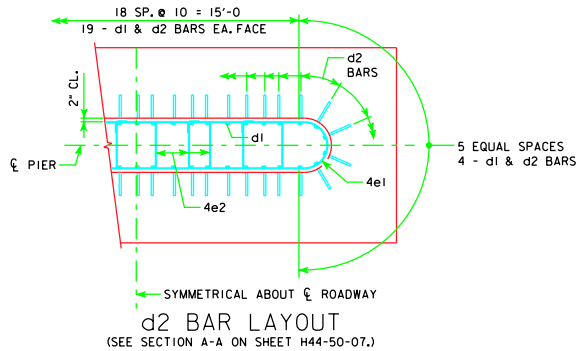


4'-0 x 9'-0 x 25'-0 FOR 15D, 16D, 17D & 18B

H IN FT.	CL - CL ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	1) DES. BRG. (TONS) 2) LRFD DES. BRG. (KIPS)	
20'-4	15B	74	214	4' x 8' x 23'
213'-10	16B	72	208	
226'-4	16B	75	218	
243'-0	17B	75	219	
20'-4	15C	74	213	4' x 9' x 23'
213'-10	16C	72	207	
226'-4	16C	75	217	
243'-0	17C	75	218	
20'-4	15D	75	216	4' x 9' x 23'
213'-10	16C	73	210	
226'-4	16C	75	219	
243'-0	18A	74	212	
20'-4	15D	74	214	4' x 9' x 25'
213'-10	16D	72	208	
226'-4	16D	75	217	
243'-0	18B	73	209	
20'-4	15D	75	218	4' x 9' x 25'
213'-10	16D	73	212	
226'-4	17D	74	213	
243'-0	18B	74	213	



FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)	
4' x 8' x 23'	d2	46 - #9 AS SHOWN	9'-1	1421	2896
	f1	23 - #5 @ 1'-0	7'-8	184	
	f2	8 - #5 @ 1'-0	22'-8	189	
	g1	24 - #7 @ 0'-11 1/2	7'-8	376	
4' x 9' x 23'	g2	12 - #8 @ 0'-8	22'-8	726	3170
	d2	46 - #9 AS SHOWN	9'-1	1421	
	f1	23 - #5 @ 1'-0	8'-8	208	
	f2	9 - #5 @ 1'-0	22'-8	213	
4' x 9' x 25'	g1	26 - #8 @ 0'-10 1/2	8'-8	602	3487
	g2	12 - #8 @ 0'-9	22'-8	726	
	d2	46 - #9 AS SHOWN	9'-1	1421	
	f1	25 - #5 @ 1'-0	8'-8	226	
4' x 9' x 25'	f2	9 - #5 @ 1'-0	24'-8	232	33.3
	g1	26 - #8 @ 0'-11 1/2	8'-8	602	
	g2	12 - #9 @ 0'-9	24'-8	1006	



- 1 FOR DETERMINING ACTUAL PILE LENGTHS IN FIELD.
- 2 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 H44-50-07.

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.

LATEST REVISION DATE
11-09

APPROVED BY BRIDGE ENGINEER
Thomas E. McQuinn

STANDARD DESIGN - 44' ROADWAY, THREE SPAN BRIDGE
PRETENSIONED PRESTRESSED
CONCRETE BEAM BRIDGES
MARCH, 2007

TEE PIER - 75 TON
STEEL PILE FOOTINGS
0° SKEW - H:25' TO 40'

H44-55-07