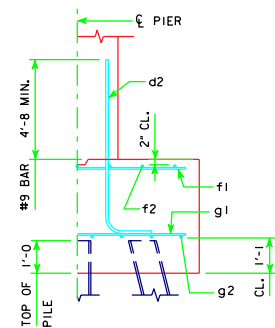
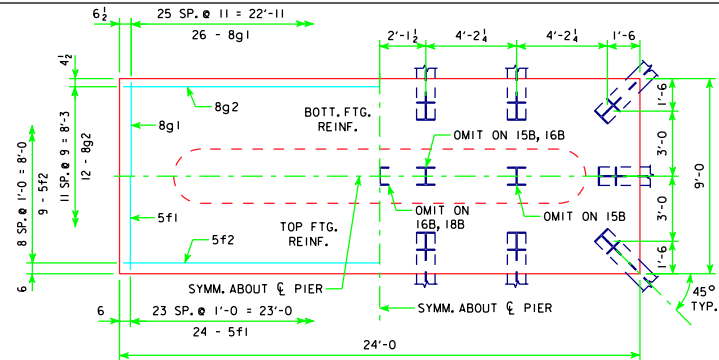


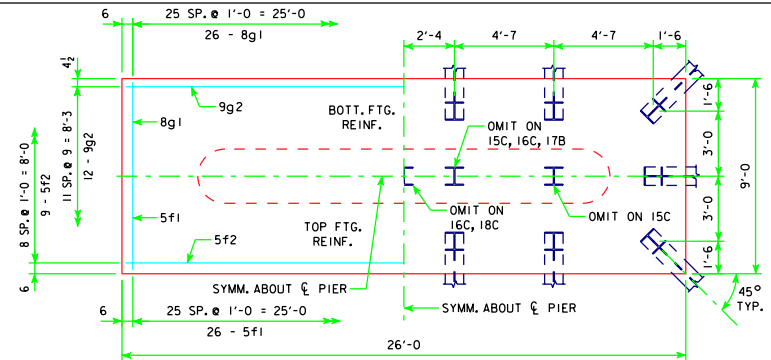
REVISED 11-09 - THIS SHEET WAS ADDED FOR A 75 TON STEEL PILING OPTION.



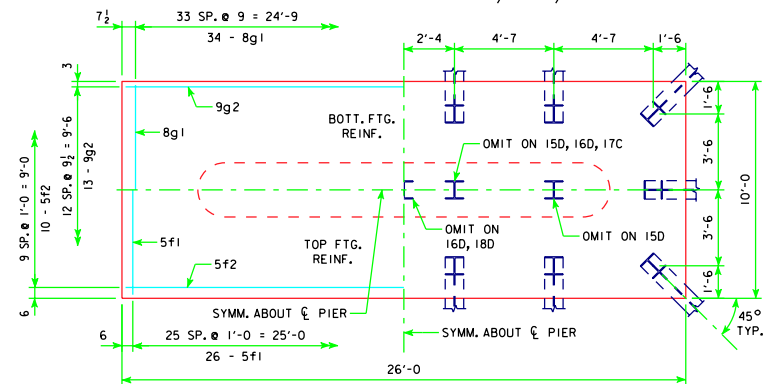
TYPICAL SECTION



4'-0 x 9'-0 x 24'-0 FOR 15B, 16B & 18B



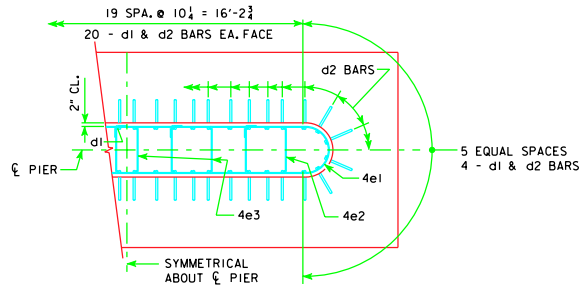
4'-0 x 9'-0 x 26'-0 FOR 15C, 16C, 17B & 18C



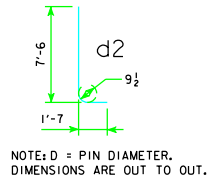
4'-0 x 10'-0 x 26'-0 FOR 15D, 16D, 17C & 18D

H IN FT.	CL - CL ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	DES. BRG. (TONS)	
201'-4	15B	75	217	4' x 9' x 24'
213'-10	16B	73	210	
226'-4	16B	75	220	
243'-0	18B	74	213	
201'-4	15C	74	215	4' x 9' x 26'
213'-10	16C	72	209	
226'-4	16C	75	218	
243'-0	18C	73	210	
201'-4	15C	75	218	4' x 9' x 26'
213'-10	16C	73	212	
226'-4	17B	74	213	
243'-0	18C	74	213	
201'-4	15D	75	219	4' x 10' x 26'
213'-10	16D	74	212	
226'-4	17C	74	213	
243'-0	18D	74	213	
201'-4	16D	72	209	4' x 10' x 26'
213'-10	16D	75	216	
226'-4	17C	75	217	
243'-0	18D	75	217	

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)	
4' x 9' x 24'	d2	48 - #9 AS SHOWN	9'-1	1482	3281
	f1	24 - #5 @ 1'-0	8'-8	217	
	f2	9 - #5 @ 1'-0	23'-8	222	
	g1	25 - #8 @ 0'-9 1/2	8'-8	602	
4' x 9' x 26'	d2	48 - #9 AS SHOWN	9'-1	1482	3607
	f1	26 - #5 @ 1'-0	8'-8	235	
	f2	9 - #5 @ 1'-0	25'-8	241	
	g1	25 - #8 @ 0'-9	8'-8	602	
4' x 10' x 26'	d2	48 - #9 AS SHOWN	9'-1	1482	4024
	f1	26 - #5 @ 1'-0	9'-8	262	
	f2	10 - #5 @ 1'-0	25'-8	268	
	g1	34 - #8 @ 0'-9	8'-8	878	
	g2	13 - #9 @ 0'-9 1/2	25'-8	1134	



- 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 H44-58-07.

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 L. McDaniel

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

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

H44-63-07