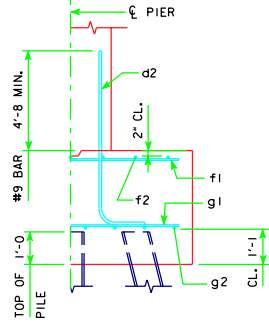
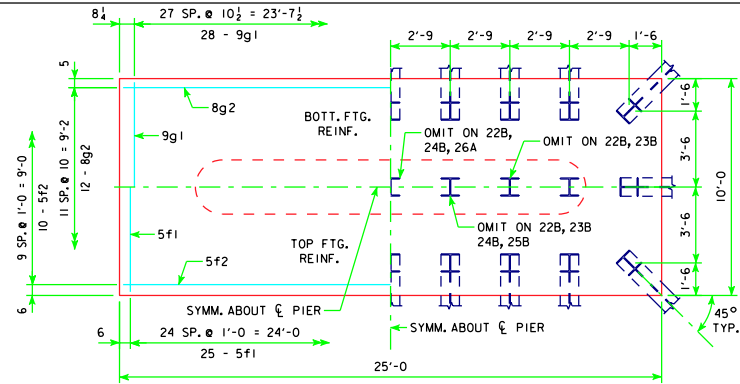


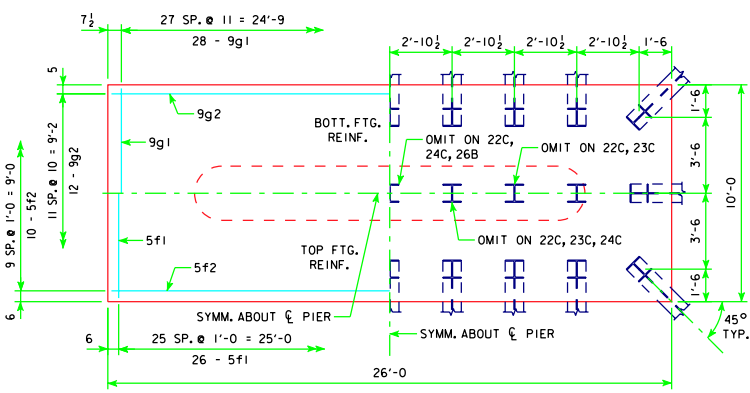
REVISED 11-09 - SHEET WAS REVISED TO MEET LRFD SPECIFICATIONS.



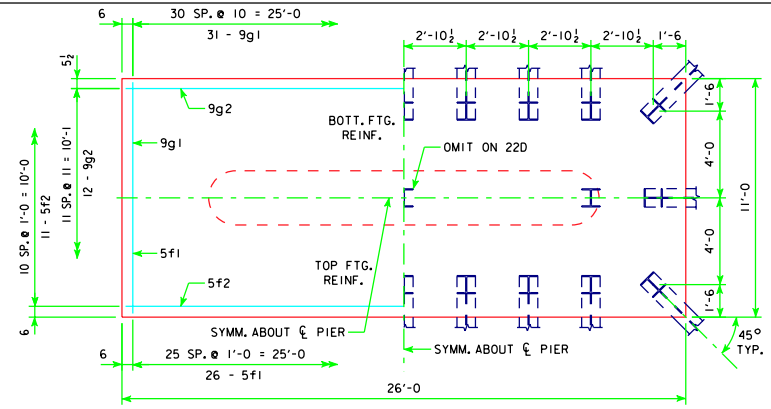
TYPICAL SECTION



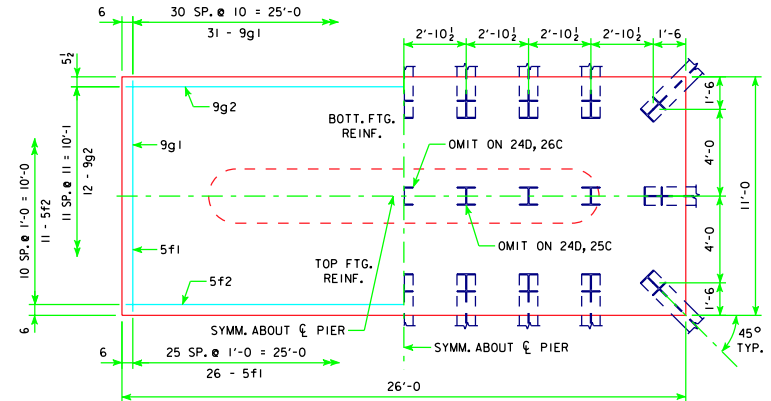
4'-0 x 10'-0 x 25'-0 FOR 22B, 23B, 24B, 25B & 26A



4'-0 x 10'-0 x 26'-0 FOR 22C, 23C, 24C & 26B



4'-0 x 11'-0 x 26'-0 FOR 22D & 23D



4'-0 x 11'-0 x 26'-0 FOR 24D, 25C & 26C

FOOTING NOTES:

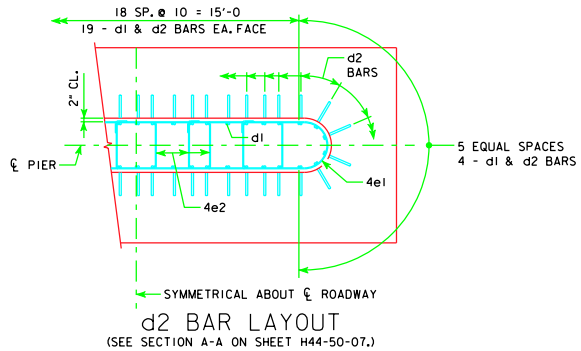
THESE FOOTINGS ARE DESIGNED AND DETAILED TO BE USED WITH THE CAP AND COLUMN DETAILS OF THE TEE PIERS AS SHOWN ON SHEET H44-50-07.

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

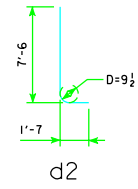
STEEL PILING USED AS POINT BEARING SHALL HAVE A MINIMUM DISTANCE OF APPROXIMATELY 10 FEET FROM BOTTOM OF FOOTING TO TOP OF BEARING ROCK. THE PILE LAYOUTS ARE SUCH THAT THE DISTANCE CENTER TO CENTER OF ADJACENT PILING SHALL NOT EXCEED 8'-0.

H IN FT.	CL. - CL. ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	1) DES. BRG. (TONS) 2) LRFD DES. BRG. (KIPS)	
201'-4	22B	49	141	4' x 10' x 25'
213'-10	22B	50	146	
226'-4	24B	50	143	
243'-0	25B	50	145	
201'-4	22B	49	143	4' x 10' x 25'
213'-10	23B	50	144	
226'-4	24B	50	144	
243'-0	26A	50	143	
201'-4	22C	50	143	4' x 10' x 26'
213'-10	23C	50	144	
226'-4	24C	50	145	
243'-0	26B	50	143	
201'-4	22D	50	144	4' x 11' x 26'
213'-10	23D	50	144	
226'-4	24D	50	145	
243'-0	26C	50	143	
201'-4	22D	50	146	4' x 11' x 26'
213'-10	23D	50	147	
226'-4	25C	50	143	
243'-0	26C	50	145	

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 10' x 25'	d2	46 - #9 AS SHOWN	9'-1	1421	3640	37.0
	f1	25 - #5 @ 1'-0	9'-8	252		
	f2	10 - #5 @ 1'-0	24'-8	257		
	g1	28 - #9 @ 0'-10 1/2	9'-8	920		
	g2	12 - #8 @ 0'-10	24'-8	790		
4' x 10' x 26'	d2	46 - #9 AS SHOWN	9'-1	1421	3918	38.5
	f1	26 - #5 @ 1'-0	9'-8	262		
	f2	10 - #5 @ 1'-0	25'-8	268		
	g1	28 - #9 @ 0'-11	9'-8	920		
	g2	12 - #9 @ 0'-10	25'-8	1047		
4' x 11' x 26'	d2	46 - #9 AS SHOWN	9'-1	1421	4175	42.4
	f1	26 - #5 @ 1'-0	10'-8	289		
	f2	11 - #5 @ 1'-0	25'-8	294		
	g1	31 - #9 @ 0'-10	10'-8	1124		
	g2	12 - #9 @ 0'-11	25'-8	1047		



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



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

LATEST REVISION DATE
11-09

APPROVED BY BRIDGE ENGINEER
Thomas L. McQuinn

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

TEE PIER - 50 TON
STEEL PILE FOOTINGS
0° SKEW - H=25' TO 40'

H44-53-07