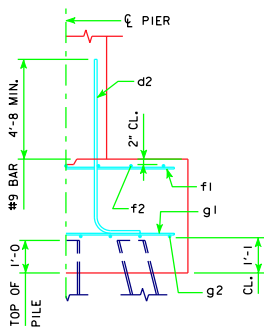
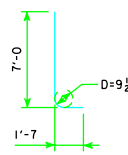


REVISED 11-09 - SHEET WAS REVISED TO MEET LRFD SPECIFICATIONS.



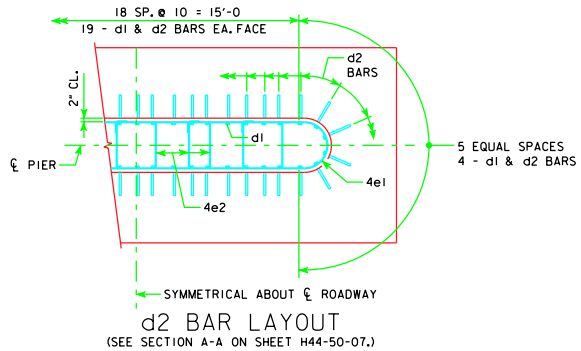
TYPICAL SECTION



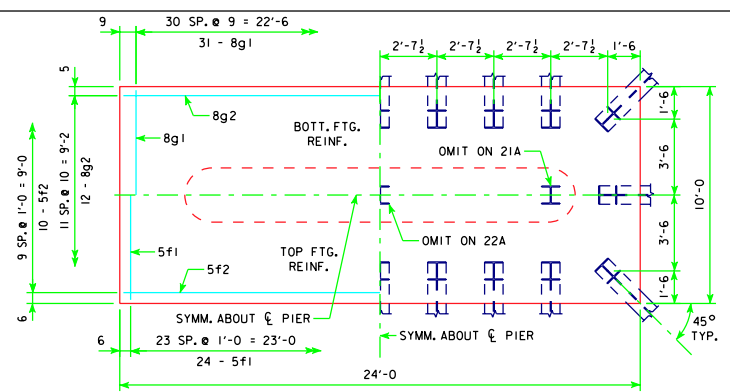
d2
NOTE: D = PIN DIAMETER.
DIMENSIONS ARE OUT TO OUT.

H IN FT.	CL - CL ABUT. BRG. FT.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	DES. BRG. (TONS)	
18	201'-4	21A	50	145
	213'-10	22A	49	141
	226'-4	23A	50	144
	243'-0	24A	50	145
16 TO 21	201'-4	22A	48	138
	213'-10	22A	50	144
	226'-4	23A	50	146
	243'-0	25A	50	143
19 TO 24	201'-4	22A	49	140
	213'-10	22A	50	146
	226'-4	24A	49	143
	243'-0	25A	50	145

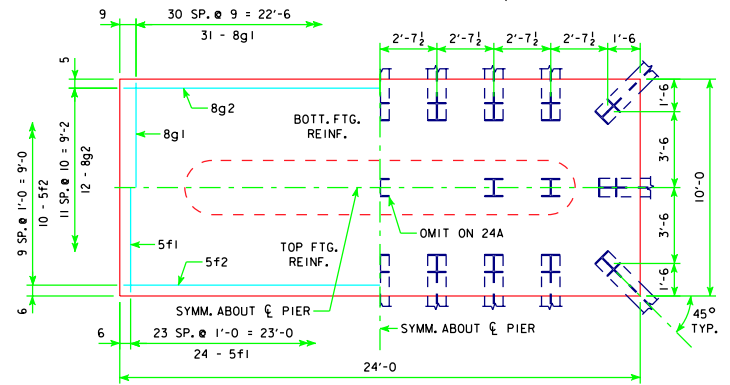
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
3'-6 x 10' x 24'	d2	46 - #9 AS SHOWN	8'-7	1342	3389	31.1
	f1	24 - #5 @ 1'-0	9'-8	242		
	f2	10 - #5 @ 1'-0	23'-8	247		
	g1	31 - #8 @ 0'-9	9'-8	800		
	g2	12 - #8 @ 0'-10	23'-8	758		



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



3'-6 x 10'-0 x 24'-0 FOR 21A, 22A & 23A



3'-6 x 10'-0 x 24'-0 FOR 24A & 25A

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.

11-09 LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 44' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES MARCH, 2007	
		TEE PIER - 50 TON STEEL PILE FOOTINGS 0° SKEW - H=16' TO 24'	
		H44-52-07	