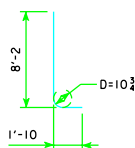
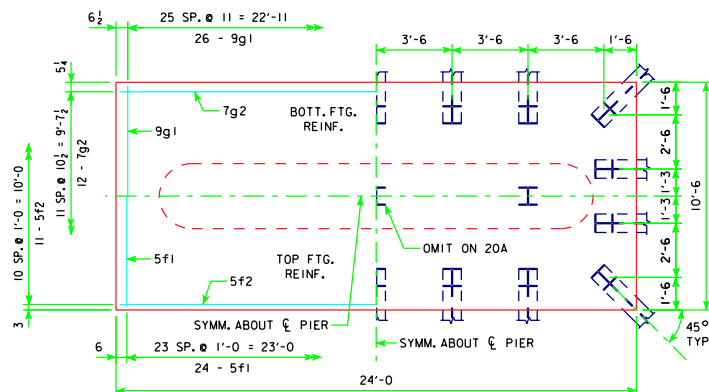


TYPICAL SECTION

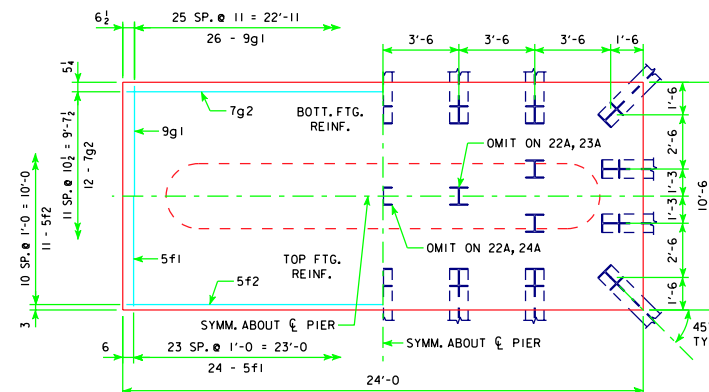


d2

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



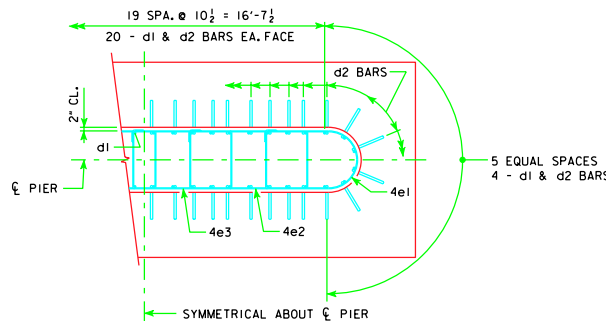
3'-6 x 10'-6 x 24'-0 FOR 20A & 21A



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

H. IN FT.	CL. - CL. ABUT. BRG.	PILING (HP10x57)			FOOTING SIZE
		NO. & LAYOUT	DES. BRG. (TONS)	LRFD DES. BRG. (KIPS)	
201'-4	20A	50	143		3'-6 x 10'-6 x 24'
213'-10	21A	50	144		
226'-4	22A	49	142		
243'-0	23A	50	144		
201'-4	20A	50	146		3'-6 x 10'-6 x 24'
213'-10	22A	48	139		
226'-4	22A	50	145		
243'-0	24A	50	143		
201'-4	21A	50	145		3'-6 x 10'-6 x 24'
213'-10	22A	50	143		
226'-4	23A	50	145		
243'-0	24A	50	146		

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)					STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)	TOTAL WEIGHT (LB.)	
3'-6 x 10'-6 x 24'	d2	48 - #10 AS SHOWN	10'-0	2065	4070	32.7
	f1	24 - #5 @ 1'-0	10'-2	254		
	f2	11 - #5 @ 1'-0	23'-8	272		
	g1	26 - #9 @ 0'-11	10'-2	899		
	g2	12 - #7 @ 0'-10 1/2	23'-8	580		



d2 BAR LAYOUT

(SEE SECTION A-A ON SHEET H40-73-06.)

- 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 H40-73-06.

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.

10-09 LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES AUGUST, 2009	
		TEE PIER - 50 TON STEEL PILE FOOTINGS 30° SKEW - H=16' TO 24'	H40-75-06