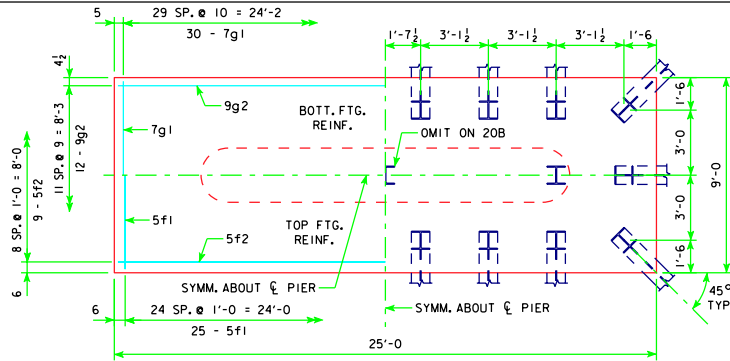
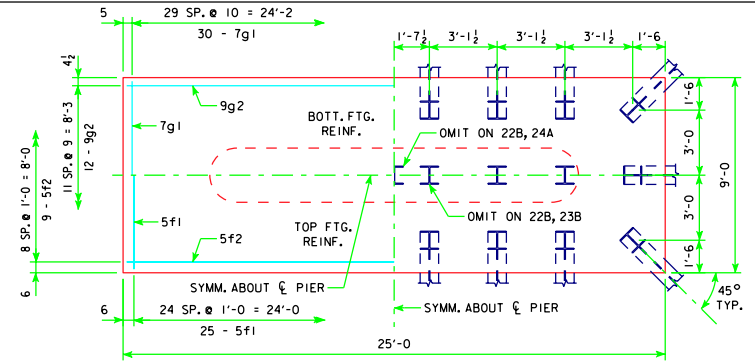


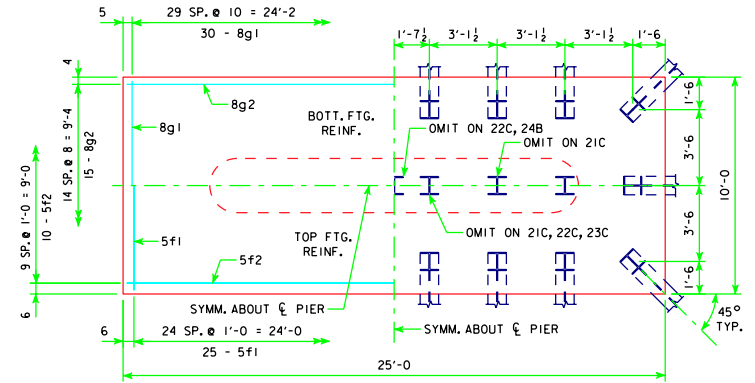
TYPICAL SECTION



4'-0 x 9'-0 x 25'-0 FOR 20B & 21B



4'-0 x 9'-0 x 25'-0 FOR 22B, 23B & 24A



4'-0 x 10'-0 x 25'-0 FOR 21C, 22C, 23C & 24B

FOOTING NOTES:

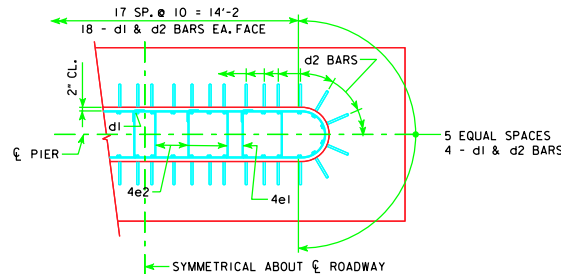
THESE FOOTINGS ARE DESIGNED AND DETAILED TO BE USED WITH THE CAP AND COLUMN DETAILS OF THE TEE PIERS AS SHOWN ON SHEET H40-57-06.

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.

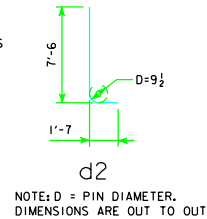
H IN FT.	CL - CL ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	DES. BRG. (TONS)	
20'1'-4	20B	49	141	4' x 9' x 25'
21'3'-10	20B	50	146	
22'6'-4	22B	49	142	
24'3'-0	23B	50	144	
20'1'-4	20B	50	143	4' x 9' x 25'
21'3'-10	21B	50	144	
22'6'-4	22B	50	144	
24'3'-0	23B	50	146	
20'1'-4	20B	50	145	4' x 9' x 25'
21'3'-10	21B	50	146	
22'6'-4	22B	50	146	
24'3'-0	24A	50	144	
20'1'-4	21B	50	143	4' x 9' x 25'
21'3'-10	22B	49	142	
22'6'-4	23B	50	144	
24'3'-0	24A	50	146	
20'1'-4	21C	50	143	4' x 10' x 25'
21'3'-10	22C	50	143	
22'6'-4	23C	50	145	
24'3'-0	24B	50	147	

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 9' x 25'	d2	44 - #9 AS SHOWN	9'-1	1359	3354	33.3
	f1	25 - #5 @ 1'-0	8'-8	226		
	f2	9 - #5 @ 1'-0	24'-8	232		
	g1	30 - #7 @ 0'-10	8'-8	531		
	g2	12 - #9 @ 0'-9	24'-8	1006		
4' x 10' x 25'	d2	44 - #9 AS SHOWN	9'-1	1359	3630	37.0
	f1	25 - #5 @ 1'-0	9'-8	252		
	f2	10 - #5 @ 1'-0	24'-8	257		
	g1	30 - #8 @ 0'-10	9'-8	774		
	g2	15 - #8 @ 0'-8	24'-8	988		



d2 BAR LAYOUT
(SEE SECTION A-A ON SHEET H40-57-06.)

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



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 0° SKEW - H:25' TO 40'	
		H40-60-06	