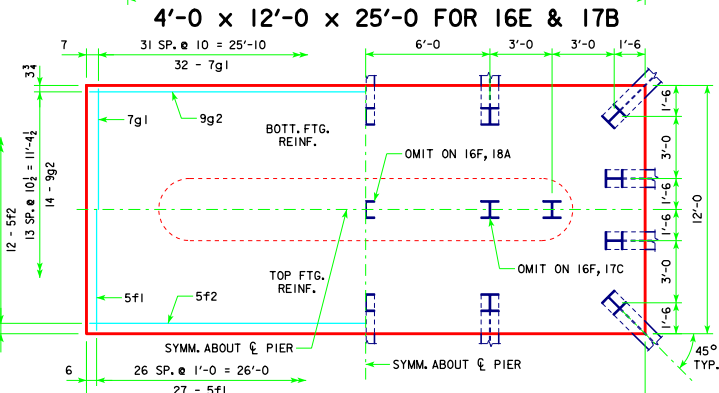
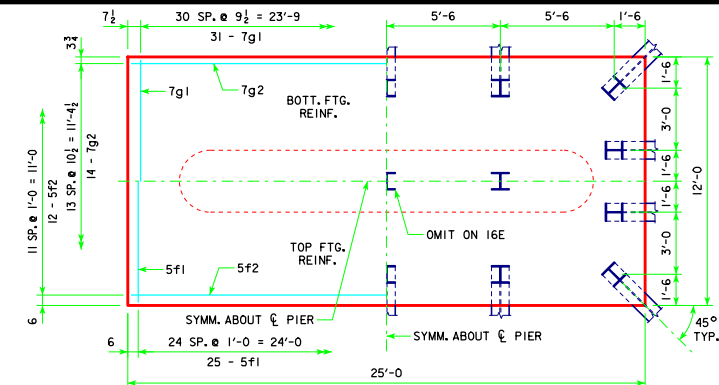
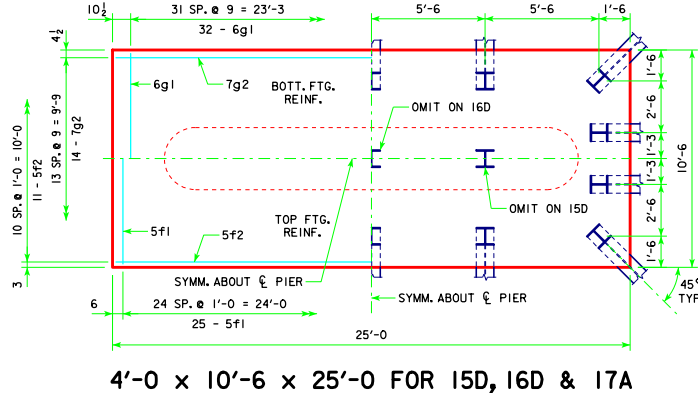
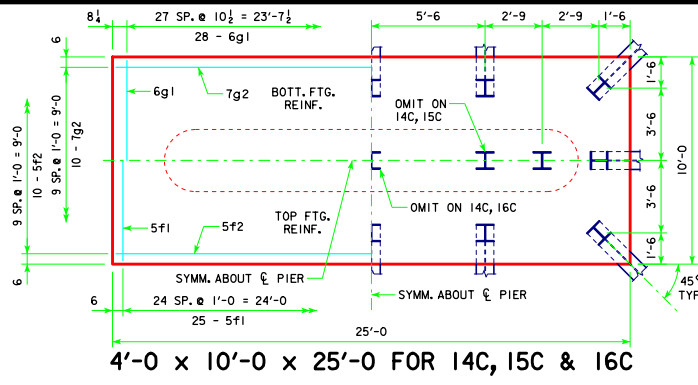
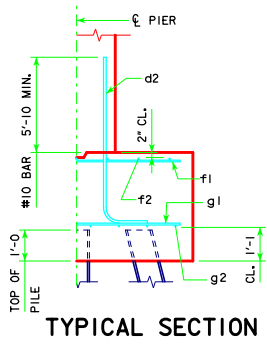
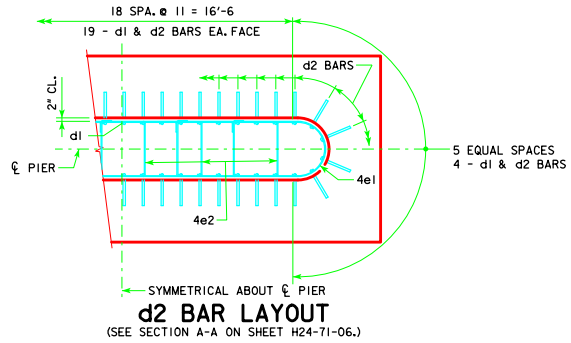


REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.



H IN FT.	IN ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	① LRFD P _u STRENGTH I, DES. LOAD (KIPS)	
201'-4	14C	144		4' x 10' x 25'
213'-10	15C	142		
226'-4	16C	141		
243'-0	16C	145		4' x 10'-6 x 25'
201'-4	15D	138		
213'-10	15D	143		
226'-4	16D	141		4' x 10'-6 x 25'
243'-0	16D	146		
201'-4	15D	143		
213'-10	16D	141		4' x 12' x 25'
226'-4	16D	145		
243'-0	17A	146		
201'-4	16E	140		4' x 12' x 27'
213'-10	16E	144		
226'-4	17B	143		
243'-0	17B	146		4' x 12' x 27'
201'-4	16F	144		
213'-10	17C	142		
226'-4	17C	146		
243'-0	18A	144		

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				STRUCTURAL CONCRETE (CY)
	BAR NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)	TOTAL WEIGHT (LB.)	
4' x 10' x 25'	d2 46 - #10 AS SHOWN	10'-6	2078	3498	37.0
	f1 25 - #5 @ 1'-0	9'-8	252		
	f2 10 - #5 @ 1'-0	24'-8	257		
	g1 28 - #6 @ 0'-10 1/2	9'-8	407		
	g2 10 - #7 @ 1'-0	24'-8	504		
4' x 10'-6 x 25'	d2 46 - #10 AS SHOWN	10'-6	2078	3821	38.9
	f1 25 - #5 @ 1'-0	10'-2	265		
	f2 11 - #5 @ 1'-0	24'-8	283		
	g1 32 - #6 @ 0'-9	10'-2	489		
	g2 14 - #7 @ 0'-9	24'-8	706		
4' x 12' x 25'	d2 46 - #10 AS SHOWN	10'-6	2078	4136	44.4
	f1 25 - #5 @ 1'-0	11'-8	304		
	f2 12 - #5 @ 1'-0	24'-8	309		
	g1 31 - #7 @ 0'-9 1/2	11'-8	739		
	g2 14 - #7 @ 0'-10 1/2	24'-8	706		
4' x 12' x 27'	d2 46 - #10 AS SHOWN	10'-6	2078	4773	48.0
	f1 27 - #5 @ 1'-0	11'-8	329		
	f2 12 - #5 @ 1'-0	26'-8	334		
	g1 32 - #7 @ 0'-10	11'-8	763		
	g2 14 - #9 @ 0'-10 1/2	26'-8	1269		



① NOTE: P_u STRENGTH I DESIGN LOAD (KIPS) IS NOT THE VALUE USED IN THE FIELD FOR DRIVING PILES.

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

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 H24-71-06.

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.

PIER PILES SHALL BE DRIVEN TO VALUES SHOWN IN DESIGN PLANS.

05-13
LATEST REVISION DATE

Thomas E. McQuill
APPROVED BY BRIDGE ENGINEER

STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE

PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES

DECEMBER, 2006

TEE PIER-HP10x57 SRL-1 STEEL PILE FOOTINGS

45° SKEW - H=25' TO 40'

H24-73-06