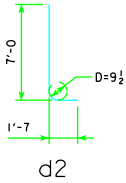


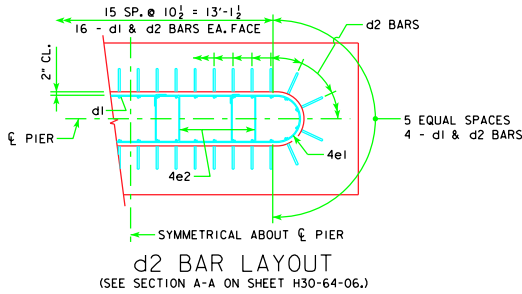
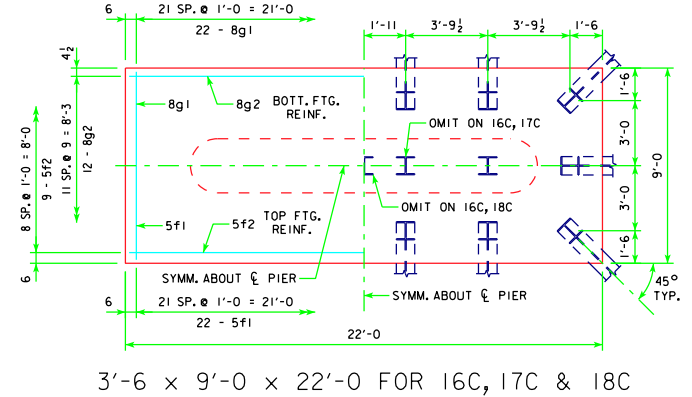
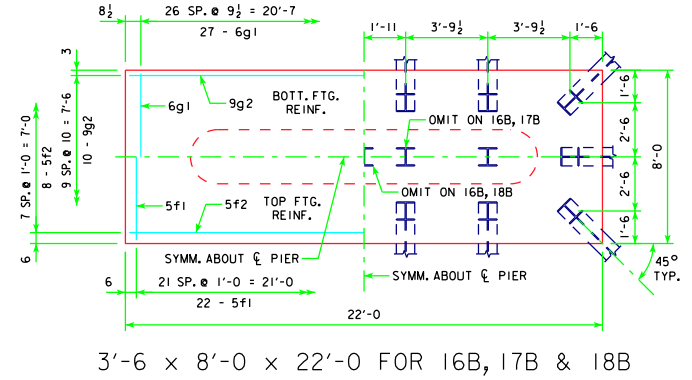
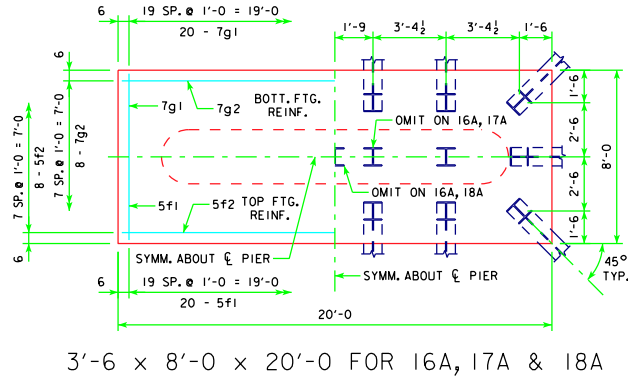
TYPICAL SECTION



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

H IN FT.	CL - CL ABUT. BRG.	PILING (HP10x57)			FOOTING SIZE
		NO. & LAYOUT	DES. BRG. (TONS)	LRFD DES. BRG. (KIPS)	
8	201'-4	16A	48	138	3'-6 x 8' x 20'
213'-10	16A	50	143		
226'-4	17A	50	144		
243'-0	18A	50	144		
201'-4	16B	49	140		3'-6 x 8' x 22'
213'-10	16B	50	145		
226'-4	17B	50	145		
243'-0	18B	50	145		
201'-4	16C	49	141		3'-6 x 9' x 22'
213'-10	16C	50	146		
226'-4	17C	50	146		
243'-0	18C	50	146		

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)					STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)	TOTAL WEIGHT (LB.)	
3'-6 x 8' x 20'	d2	40 - #9 AS SHOWN	8'-7	1167	2126	20.7
	f1	20 - #5 @ 1'-0	7'-8	160		
	f2	8 - #5 @ 1'-0	19'-8	164		
	g1	20 - #7 @ 1'-0	7'-8	313		
	g2	8 - #7 @ 1'-0	19'-8	322		
3'-6 x 8' x 22'	d2	40 - #9 AS SHOWN	8'-7	1167	2572	22.8
	f1	22 - #5 @ 1'-0	7'-8	176		
	f2	8 - #5 @ 1'-0	21'-8	181		
	g1	27 - #6 @ 0'-9 1/2	7'-8	311		
	g2	10 - #9 @ 0'-10	21'-8	737		
3'-6 x 9' x 22'	d2	40 - #9 AS SHOWN	8'-7	1167	2772	25.7
	f1	22 - #5 @ 1'-0	8'-8	199		
	f2	9 - #5 @ 1'-0	21'-8	203		
	g1	22 - #8 @ 1'-0	8'-8	509		
	g2	12 - #8 @ 0'-9	21'-8	694		



- 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 H30-64-06.

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.

LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER		
		STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES DECEMBER, 2006	
		TEE PIER - 50 TON STEEL PILE FOOTINGS 15° SKEW - H=16' to 24'	H30-65-06