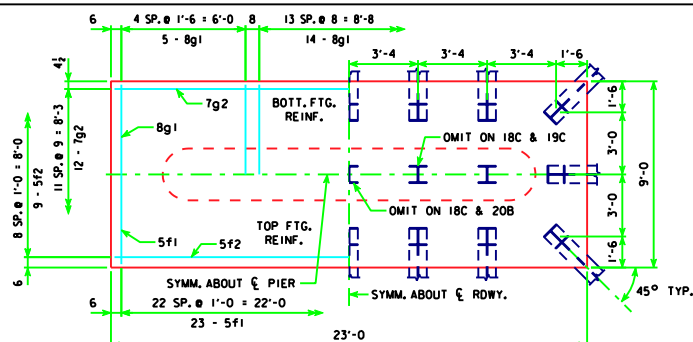
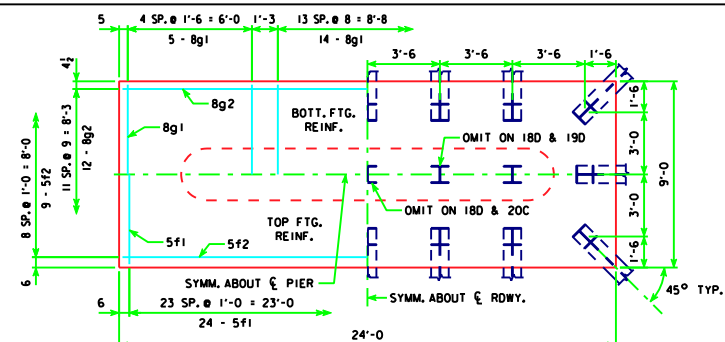


TYPICAL SECTION

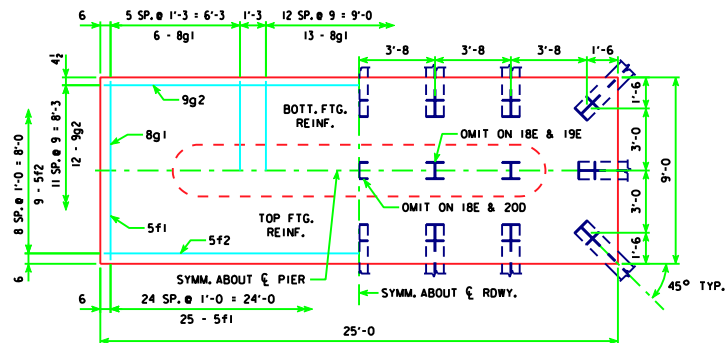


4'-0 x 9'-0 x 23'-0 FOR 18C, 19C & 20B

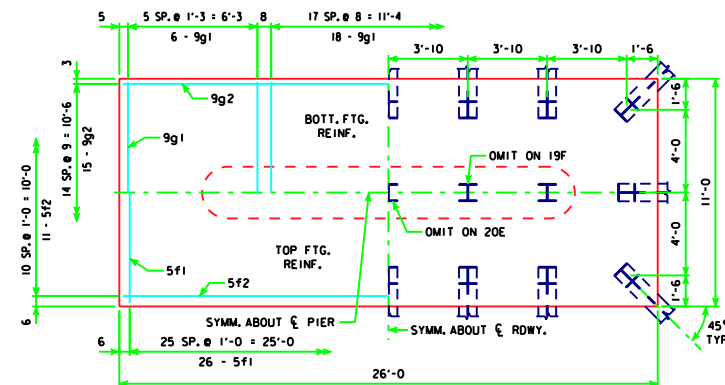


4'-0 x 9'-0 x 24'-0 FOR 18D, 19D & 20C

IN FT.	CL - CL	NO. & LAYOUT	DES. BRG. (TONS)	FOOTING SIZE
20'-4	18C	48	48	4' x 9' x 23'
21'-3	18C	50	50	
22'-6	19C	50	50	
24'-3	20B	50	50	
20'-4	18D	48	48	4' x 9' x 24'
21'-3	19D	48	48	
22'-6	19D	50	50	
24'-3	20C	50	50	
20'-4	18E	49	49	4' x 9' x 25'
21'-3	19E	48	48	
22'-6	19E	50	50	
24'-3	20D	50	50	
20'-4	19F	47	47	4' x 11' x 26'
21'-3	19F	49	49	
22'-6	20E	49	49	
24'-3	20E	50	50	
20'-4	19F	48	48	4' x 11' x 26'
21'-3	20E	48	48	
22'-6	21A	48	48	
24'-3	21A	49	49	

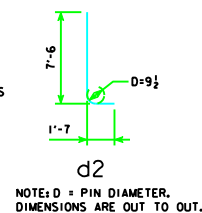
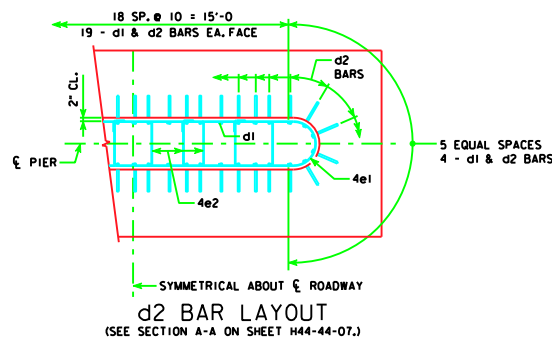


4'-0 x 9'-0 x 25'-0 FOR 18E, 19E & 20D



4'-0 x 11'-0 x 26'-0 FOR 19F, 20E & 21A

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 9' x 23'	d2	46 - #9 AS SHOWN	9'-1	1421	2953	30.7
	f1	23 - #5 @ 1'-0	8'-8	208		
	f2	9 - #5 @ 1'-0	22'-8	213		
	g1	24 - #8 AS SHOWN	8'-8	555		
	g2	12 - #7 @ 0'-9	22'-8	556		
4' x 9' x 24'	d2	46 - #9 AS SHOWN	9'-1	1421	3173	32.0
	f1	24 - #5 @ 1'-0	8'-8	217		
	f2	9 - #5 @ 1'-0	23'-8	222		
	g1	24 - #8 AS SHOWN	8'-8	555		
	g2	12 - #8 @ 0'-9	23'-8	758		
4' x 9' x 25'	d2	46 - #9 AS SHOWN	9'-1	1421	3464	33.3
	f1	25 - #5 @ 1'-0	8'-8	226		
	f2	9 - #5 @ 1'-0	24'-8	232		
	g1	25 - #8 AS SHOWN	8'-8	579		
	g2	12 - #9 @ 0'-9	24'-8	1006		
4' x 11' x 26'	d2	46 - #9 AS SHOWN	9'-1	1421	4401	42.4
	f1	26 - #5 @ 1'-0	10'-8	289		
	f2	11 - #5 @ 1'-0	25'-8	294		
	g1	30 - #9 AS SHOWN	10'-8	1088		
	g2	15 - #9 @ 0'-9	25'-8	1309		



NOTE:
SEE SHEET H44-46-07 FOR FOOTING NOTES.

LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 Iowa Department of Transportation Highway Division	STANDARD DESIGN - 44' ROADWAY, THREE SPAN BRIDGE
			PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES
			HL93 SUPERSTRUCTURE MARCH, 2007 HS25 SUBSTRUCTURE
			TEE PIER - STEEL PILE FOOTINGS, H=25' TO 40' 0° SKEW
		H44-47-07	