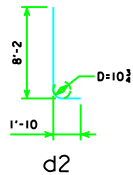


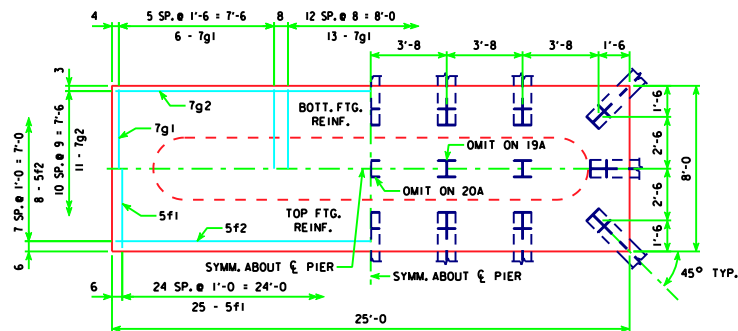
TYPICAL SECTION



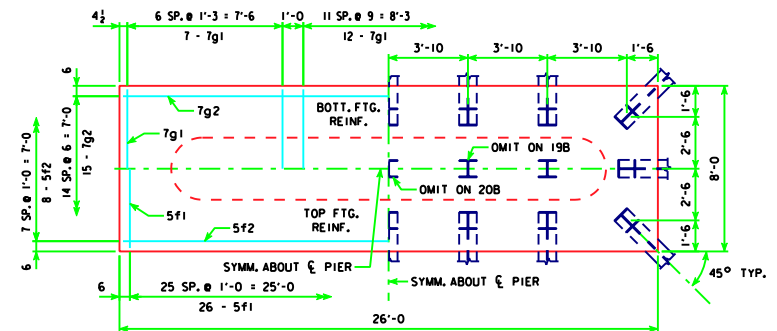
NOTE: D = PIN DIAMETER.
DIMENSIONS ARE OUT TO OUT.

H IN IN FT.	± % ABUT. BRG.	NO. PILES & LAYOUT	DES. BRG. (TONS)	FOOTING SIZE
12 TO 16	201'-4	19A	47	
	213'-10	19A	49	
	226'-4	20A	49	
	243'-0	20A	50	
19 TO 21	201'-4	19B	48	3'-6 x 8' x 26'
	213'-10	19B	49	
	226'-4	20B	49	
	243'-0	21A	49	
22 TO 24	201'-4	19C	48	3'-6 x 9' x 27'
	213'-10	19C	50	
	226'-4	20C	50	
	243'-0	21B	50	

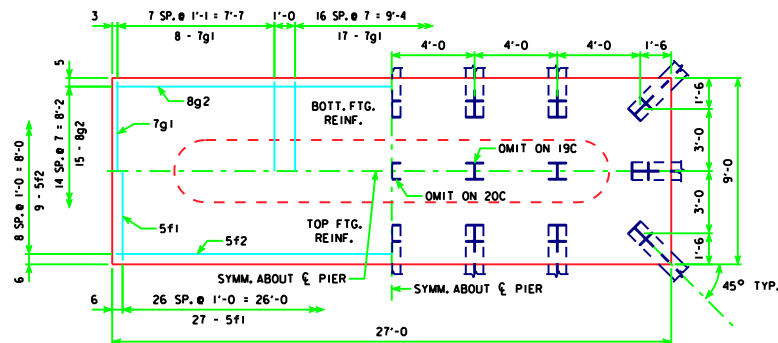
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (L.B.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (L.B.)		
3'-6 x 8' x 25'	d2	50 - #10 AS SHOWN	10'-0	2151	3504	25.9
	f1	25 - #5 @ 1'-0	7'-8	200		
	f2	8 - #5 @ 1'-0	24'-8	206		
	g1	25 - #7 AS SHOWN	7'-8	392		
	g2	11 - #7 @ 0'-9	24'-8	555		
	d2	50 - #10 AS SHOWN	10'-0	2151		
3'-6 x 8' x 26'	f1	26 - #5 @ 1'-0	7'-8	208	3767	27.0
	f2	8 - #5 @ 1'-0	25'-8	214		
	g1	26 - #7 AS SHOWN	7'-8	407		
	g2	15 - #7 @ 0'-6	25'-8	787		
	d2	50 - #10 AS SHOWN	10'-0	2151		
	f1	27 - #5 @ 1'-0	8'-8	244		
3'-6 x 9' x 27'	f2	9 - #5 @ 1'-0	26'-8	250	4298	31.5
	g1	33 - #7 AS SHOWN	8'-8	585		
	g2	15 - #8 @ 0'-7	26'-8	1068		



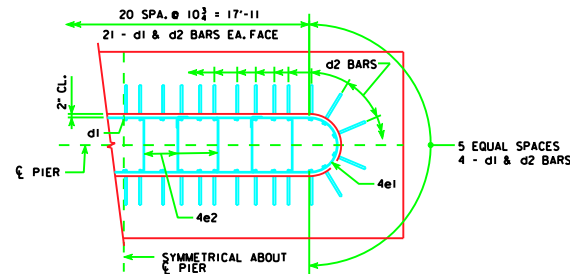
3'-6 x 8'-0 x 25'-0 FOR 19A & 20A



3'-6 x 8'-0 x 26'-0 FOR 19B, 20B & 21A



3'-6 x 9'-0 x 27'-0 FOR 19C, 20C & 21B



d2 BAR LAYOUT
(SEE SECTION A-A ON SHEET H44-56-07.)

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 H44-56-07.

BATTER PILES IN EXTERIOR ROWS 1:4 IN THE DIRECTION SHOWN.

PIER PILES (HP10x57) ARE TO BE DRIVEN TO THE DESIGN BEARING VALUE.

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 <i>Norman L. McCreesh</i> 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=16' TO 24' 30° SKEW	H44-58-07