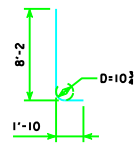


TYPICAL SECTION



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

H IN FT.	CL. - CL. ABUT. - BRG.	NO. & LAYOUT	DES. BRG. (TONS)	FOOTING SIZE
18	201'-4	17A	50	3'-6 x 8' x 29'
213	213'-10	18A	48	
226	226'-4	18A	50	
243	243'-0	19A	50	
19	201'-4	18B	47	3'-6 x 8' x 30'
213	213'-10	18B	49	
226	226'-4	19B	49	
243	243'-0	19B	50	
24	201'-4	18B	48	3'-6 x 8' x 30'
213	213'-10	19B	48	
226	226'-4	19B	50	
243	243'-0	20A	49	

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH (L.B.)	WEIGHT (L.B.)	
3'-6 x 8' x 29'	d2	58 - #10 AS SHOWN	10'-0	2496	4007
	f1	29 - #5 @ 1'-0	7'-8	232	
	f2	8 - #5 @ 1'-0	28'-8	239	
	g1	29 - #7 AS SHOWN	7'-8	454	
3'-6 x 8' x 30'	g2	10 - #7 @ 0'-10	28'-8	586	4364
	d2	58 - #10 AS SHOWN	10'-0	2496	
	f1	30 - #5 @ 1'-0	7'-8	240	
	f2	8 - #5 @ 1'-0	29'-8	248	
	g1	30 - #7 AS SHOWN	7'-8	470	
	g2	15 - #7 @ 0'-6	29'-8	910	

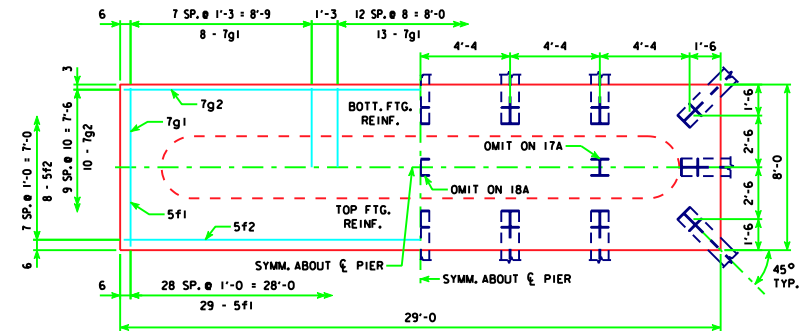
FOOTING NOTES:

THESE FOOTINGS ARE DESIGNED AND DETAILED TO BE USED WITH THE CAP AND COLUMN DETAILS OF THE TEE PIERS AS SHOWN ON SHEET H40-71-06.

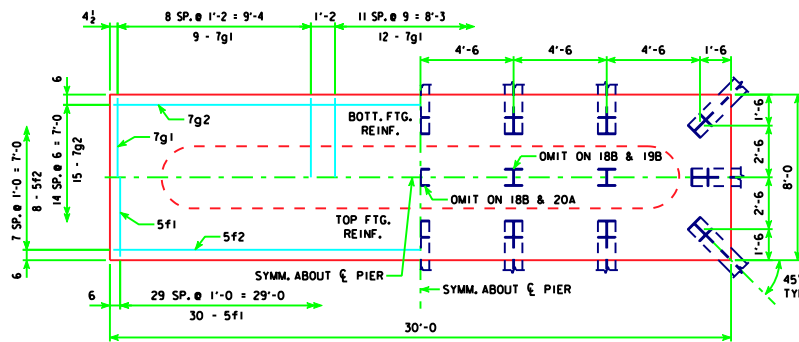
BATTER PILES IN EXTERIOR ROWS 1:4 IN THE DIRECTION SHOWN.

PIER PILES (#P10x57) ARE TO BE DRIVEN TO THE DESIGN BEARING VALUE.

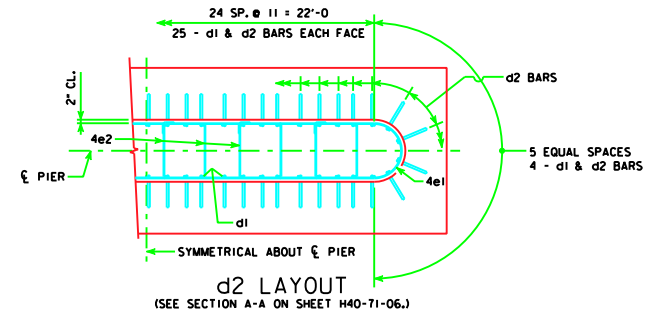
STEEL PILING USED AS POINT BEARING SHALL HAVE A MINIMUM DISTANCE OF APPROXIMATELY 10 FEET FROM BOTTOM OF FOOTING TO TOP OF BEARING ROCK. THE PILE LAYOUTS ARE SUCH THAT THE DISTANCE CENTER TO CENTER OF ADJACENT PILING SHALL NOT EXCEED 8'-0.



3'-6 x 8'-0 x 29'-0 FOR 17A, 18A & 19A



3'-6 x 8'-0 x 30'-0 FOR 18B, 19B & 20A



LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER



Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE

PRETENSIONED PRESTRESSED
CONCRETE BEAM BRIDGES

HL93 SUPERSTRUCTURE DECEMBER, 2006 HS25 SUBSTRUCTURE

TEE PIER - STEEL PILE
FOOTINGS, H=16' TO 24'
45° SKEW

H40-73-06