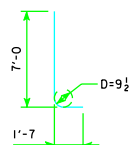


TYPICAL SECTION

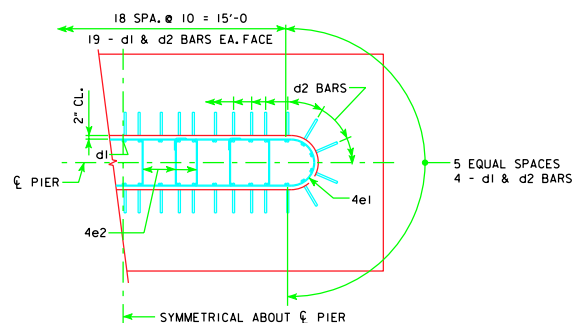


d2

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)	
201'-4	14A	71	205		3'-6 x 8' x 22'
213'-10	14A	73	212		
226'-4	15A	74	213		
243'-0	16A	70	203		
201'-4	14A	73	209		3'-6 x 8' x 22'
213'-10	14A	75	217		
226'-4	15A	75	218		
243'-0	16A	72	207		
201'-4	14A	74	214		3'-6 x 8' x 22'
213'-10	15A	74	213		
226'-4	16A	70	203		
243'-0	16A	73	211		

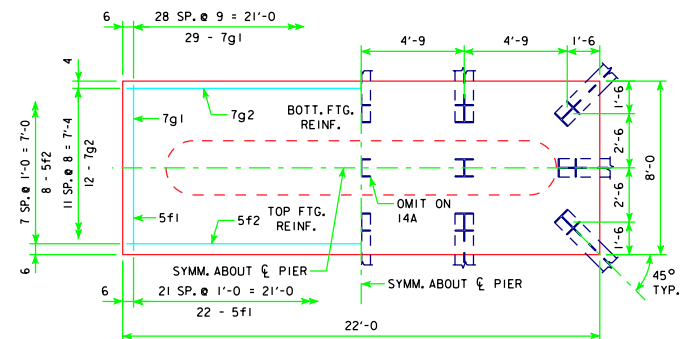
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)					STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)	TOTAL WEIGHT (LB.)	
3'-6 x 8' x 22'	d2	46 - #9 AS SHOWN	8'-7	1342	2684	22.8
	f1	22 - #5 @ 1'-0	7'-8	176		
	f2	8 - #5 @ 1'-0	21'-8	181		
	g1	29 - #7 @ 0'-9	7'-8	454		
	g2	12 - #7 @ 0'-8	21'-8	531		



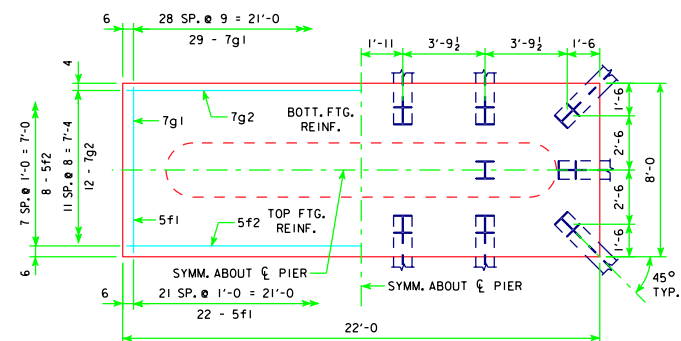
d2 BAR LAYOUT

(SEE SECTION A-A ON SHEET H40-65-06.)

- FOR DETERMINING ACTUAL PILE LENGTHS IN FIELD.
- FOR ESTIMATING PILE LENGTHS USING AASHTO LRFD SPECIFICATIONS.



3'-6 x 8'-0 x 22'-0 FOR 14A & 15A



3'-6 x 8'-0 x 22'-0 FOR 16A

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 H40-65-06.

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 01-10	APPROVED BY BRIDGE ENGINEER <i>Thomas L. McDaniel</i>	 Iowa Department of Transportation Highway Division	
		STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES AUGUST, 2009	
		TEE PIER - 75 TON STEEL PILE FOOTINGS 15° SKEW - H=16' TO 24'	H40-69-06