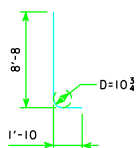
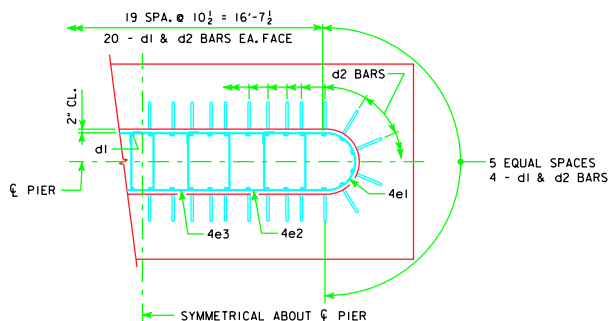


H IN FT.	CL - CL ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	DES. BRG. (TONS)	
20'-4"	15C	71	205	4' x 9' x 26'
213'-10"	15C	74	212	
226'-4"	16C	72	207	
243'-0"	16C	75	215	
201'-4"	15C	73	210	4' x 9' x 26'
213'-10"	15C	75	217	
226'-4"	16C	73	212	
243'-0"	16C	75	219	
201'-4"	15C	74	214	4' x 9' x 26'
213'-10"	16C	72	207	
226'-4"	16C	75	215	
243'-0"	17A	74	215	
201'-4"	15D	74	213	4' x 10' x 27'
213'-10"	16D	72	207	
226'-4"	16D	74	215	
243'-0"	17B	74	214	
201'-4"	15D	75	218	4' x 10' x 27'
213'-10"	16D	73	211	
226'-4"	16D	75	219	
243'-0"	17B	75	219	

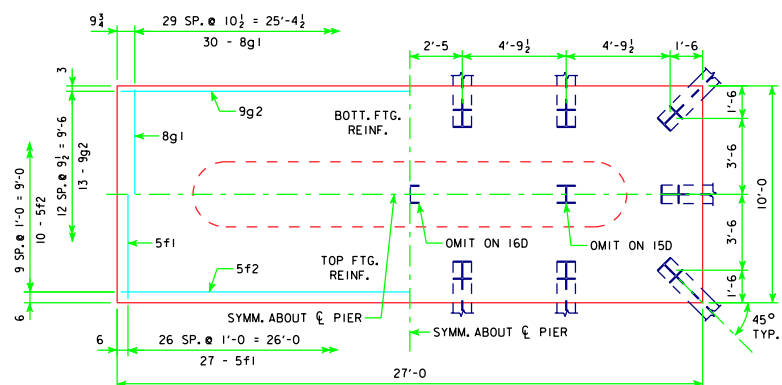
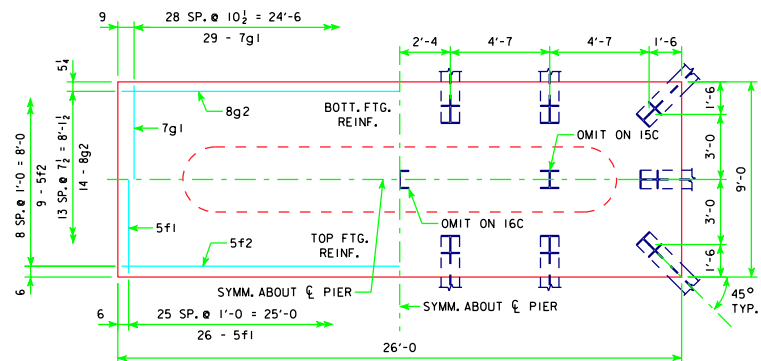
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH (LB.)	TOTAL WEIGHT (LB.)	
4' x 9' x 26'	d2	48 - #10 AS SHOWN	10'-6"	2169	4118
	f1	26 - #5 @ 1'-0"	8'-8"	235	
	f2	9 - #5 @ 1'-0"	25'-8"	241	
	g1	29 - #7 @ 0'-10 1/2"	8'-8"	514	
	g2	14 - #8 @ 0'-7 1/2"	25'-8"	959	
4' x 10' x 27'	d2	48 - #10 AS SHOWN	10'-6"	2169	4672
	f1	27 - #5 @ 1'-0"	9'-8"	272	
	f2	10 - #5 @ 1'-0"	26'-8"	278	
	g1	30 - #8 @ 0'-10 1/2"	9'-8"	774	
	g2	13 - #9 @ 0'-9 1/2"	26'-8"	1179	



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



- 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 H40-73-06.

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	<i>Norman E. Mc Donnell</i> APPROVED BY BRIDGE ENGINEER	 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 30° SKEW - H=25' TO 40'	H40-78-06