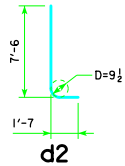


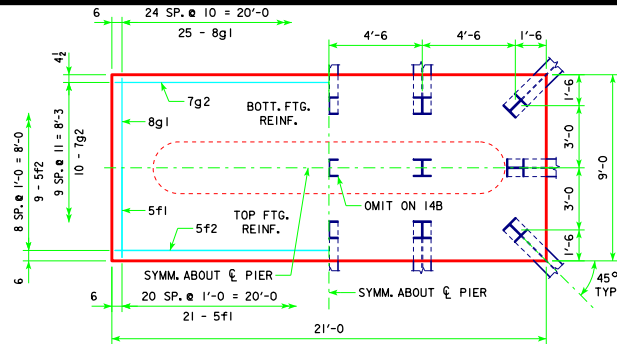
TYPICAL SECTION



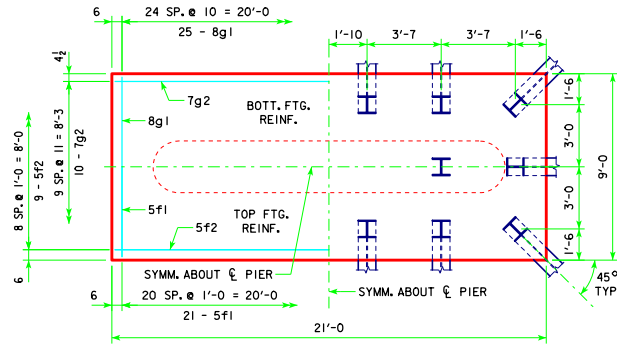
NOTE: D = PIN DIAMETER. DIMENSIONS ARE OUT TO OUT.

H IN FT.	CL. - ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE	
		NO. & LAYOUT	① LRFD PU, STRENGTH I DES. LOAD (KIPS)		
25 TO 27		201'-4	14B	208	4' x 9' x 21'
		213'-10	14B	216	
		226'-4	15B	206	
28 TO 30		243'-0	16B	206	4' x 9' x 23'
		201'-4	14C	203	
		213'-10	14C	210	
31 TO 33		226'-4	15C	210	4' x 9' x 23'
		243'-0	16C	206	
		201'-4	14C	206	
34 TO 36		213'-10	14C	213	4' x 9' x 23'
		226'-4	15C	213	
		243'-0	16C	209	
37 TO 40		201'-4	14D	204	4' x 10' x 24'
		213'-10	14D	211	
		226'-4	15D	210	
41 TO 43		243'-0	16D	206	4' x 10' x 24'
		201'-4	14D	208	
		213'-10	14D	216	
44 TO 46		226'-4	15D	215	4' x 10' x 24'
		243'-0	16D	212	

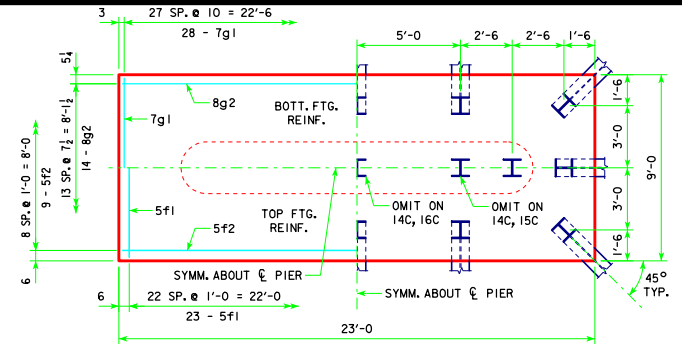
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)			TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 9' x 21'	d2 44 - #9 AS SHOWN	9'-1	1359	2744	28.0
	f1 21 - #5 @ 1'-0	8'-8	190		
	f2 9 - #5 @ 1'-0	20'-8	194		
	g1 25 - #8 @ 0'-10	8'-8	579		
	g2 10 - #7 @ 0'-11	20'-8	422		
4' x 9' x 23'	d2 44 - #9 AS SHOWN	9'-1	1359	3123	30.7
	f1 23 - #5 @ 1'-0	8'-8	208		
	f2 9 - #5 @ 1'-0	22'-8	213		
	g1 28 - #7 @ 0'-10	8'-8	496		
	g2 14 - #8 @ 0'-7	22'-8	847		
4' x 10' x 24'	d2 44 - #9 AS SHOWN	9'-1	1359	3591	35.6
	f1 24 - #5 @ 1'-0	9'-8	247		
	f2 10 - #5 @ 1'-0	23'-8	242		
	g1 27 - #8 @ 0'-10 1/2	9'-8	697		
	g2 13 - #9 @ 0'-9 1/2	23'-8	1046		



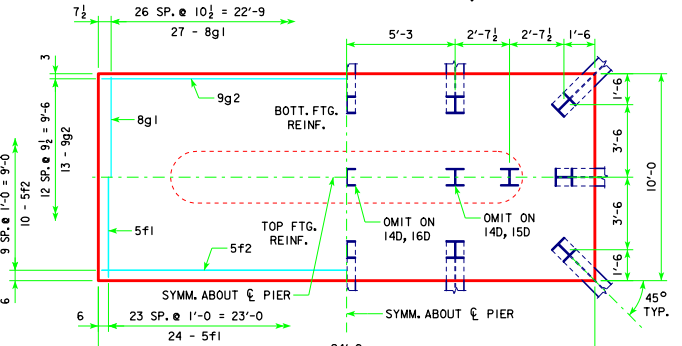
4'-0 x 9'-0 x 21'-0 FOR 14B & 15B



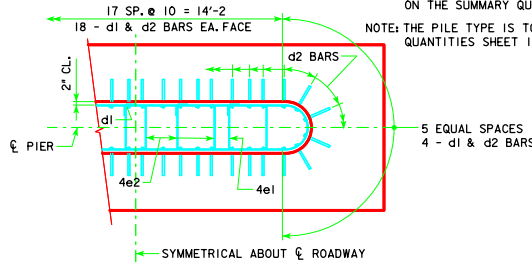
4'-0 x 9'-0 x 21'-0 FOR 16B



4'-0 x 9'-0 x 23'-0 FOR 14C, 15C & 16C



4'-0 x 10'-0 x 24'-0 FOR 14D, 15D & 16D



d2 BAR LAYOUT
(SEE SECTION A-A ON SHEET H40-57-14.)

① NOTE: PU, STRENGTH I DESIGN LOAD (KIPS) IS NOT THE VALUE USED IN THE FIELD FOR DRIVING PILES.

NOTE: THE REINFORCING STEEL QUANTITY IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

NOTE: THE CONCRETE QUANTITY IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

NOTE: THE PILE TYPE IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

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 H40-57-14.

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.

PIER PILES SHALL BE DRIVEN TO VALUES SHOWN IN DESIGN PLANS.

LATEST REVISION DATE	
	STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES SEPTEMBER, 2014
	TEE PIER-HP10x57 SRL-2 STEEL PILE FOOTINGS 0° SKEW - H=25' TO 40'
APPROVED BY BRIDGE ENGINEER 	H40-62-14