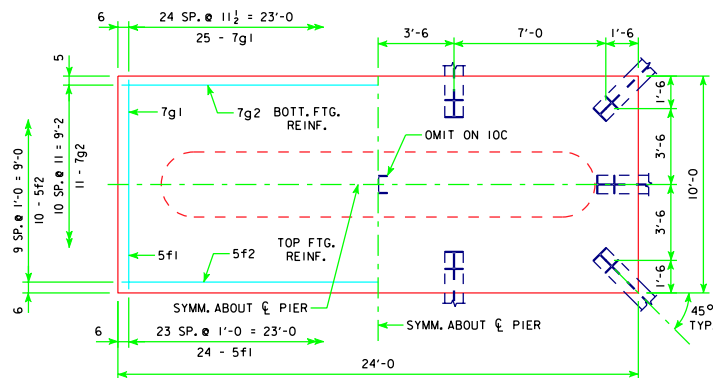
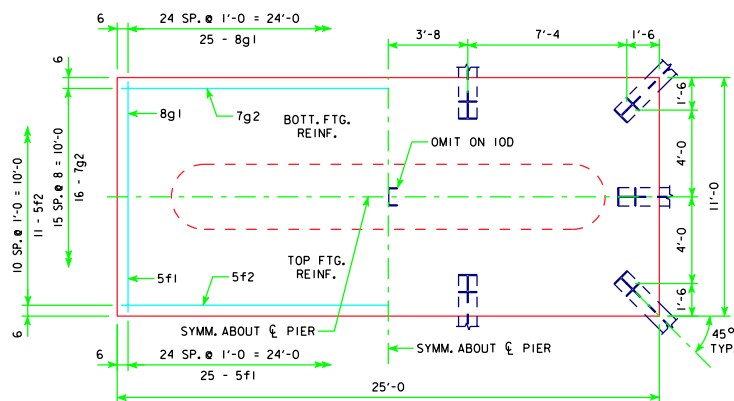


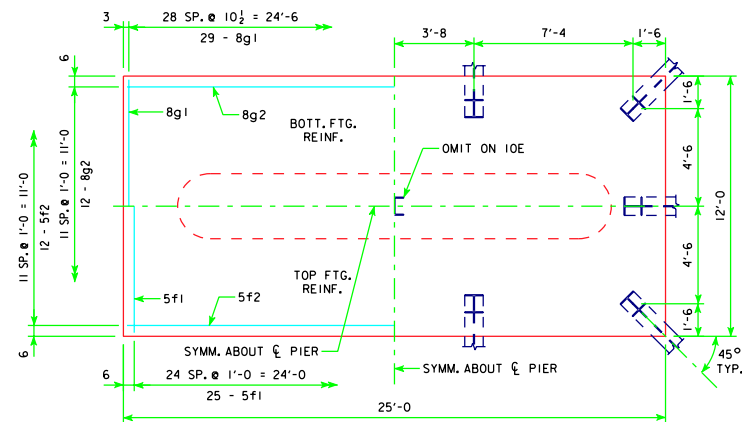
TYPICAL SECTION



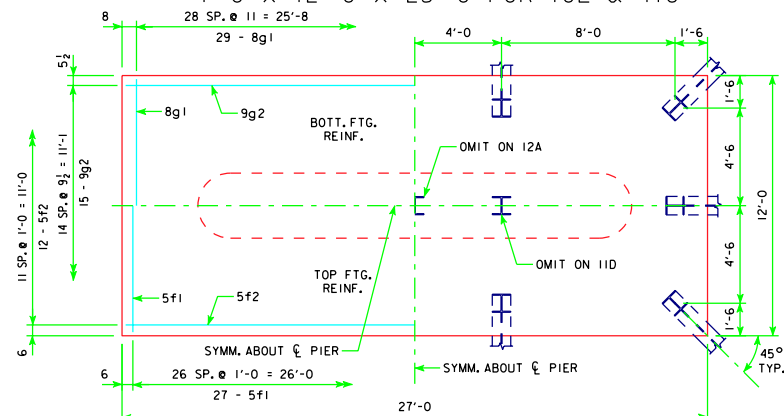
4'-0" x 10'-0" x 24'-0" FOR IOC & IIA



4'-0" x 11'-0" x 25'-0" FOR IOD & IIB



4'-0" x 12'-0" x 25'-0" FOR IOE & IIC



4'-0" x 12'-0" x 27'-0" FOR IID & I2A

FOOTING NOTES:

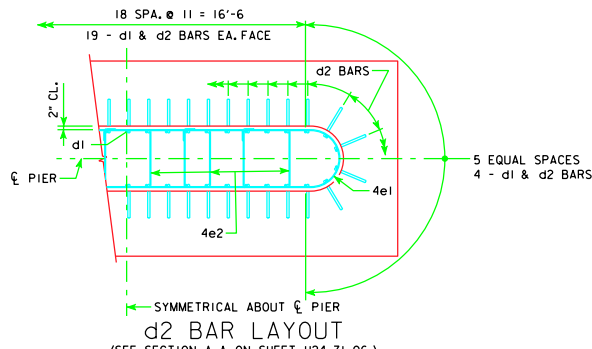
THESE FOOTINGS ARE DESIGNED AND DETAILED TO BE USED WITH THE CAP AND COLUMN DETAILS OF THE TEE PIERS AS SHOWN ON SHEET H24-71-06.

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".

H IN FT.	CL. - CL. ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	DES. BRG. (TONS)	
20'-4"	IOC	68	196	4' x 10' x 24'
213'-10"	IOC	70	203	
226'-4"	IOC	73	211	
243'-0"	IOC	75	218	4' x 10' x 24'
201'-4"	IOC	70	202	
213'-10"	IOC	72	208	
226'-4"	IOC	75	216	4' x 11' x 25'
243'-0"	IIA	73	210	
201'-4"	IOD	71	206	
213'-10"	IOD	73	212	4' x 11' x 25'
226'-4"	IOD	75	219	
243'-0"	IIB	74	213	
201'-4"	IOE	74	214	4' x 12' x 25'
213'-10"	IOE	75	220	
226'-4"	IIC	74	214	
243'-0"	IIC	75	218	4' x 12' x 25'
201'-4"	IID	73	210	
213'-10"	IID	74	215	
226'-4"	I2A	72	208	4' x 12' x 27'
243'-0"	I2A	73	211	

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)			TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH		
4' x 10' x 24'	d2	46 - #10 AS SHOWN	10'-6"	2078	3593
	f1	24 - #5 @ 1'-0"	9'-8"	242	
	f2	10 - #5 @ 1'-0"	23'-8"	247	
	g1	25 - #7 @ 0'-11 1/2"	9'-8"	494	
	g2	11 - #7 @ 0'-11 1/2"	23'-8"	532	
	d2	46 - #10 AS SHOWN	10'-6"	2078	
4' x 11' x 25'	d2	46 - #10 AS SHOWN	10'-6"	2078	4158
	f1	25 - #5 @ 1'-0"	10'-8"	278	
	f2	11 - #5 @ 1'-0"	24'-8"	283	
	g1	25 - #8 @ 1'-0"	10'-8"	712	
	g2	16 - #7 @ 0'-8"	24'-8"	807	
	d2	46 - #10 AS SHOWN	10'-6"	2078	
4' x 12' x 25'	d2	46 - #10 AS SHOWN	10'-6"	2078	4384
	f1	25 - #5 @ 1'-0"	11'-8"	304	
	f2	12 - #5 @ 1'-0"	24'-8"	309	
	g1	29 - #8 @ 0'-10 1/2"	11'-8"	903	
	g2	12 - #8 @ 1'-0"	24'-8"	790	
	d2	46 - #10 AS SHOWN	10'-6"	2078	
4' x 12' x 27'	d2	46 - #10 AS SHOWN	10'-6"	2078	5004
	f1	27 - #5 @ 1'-0"	11'-8"	329	
	f2	12 - #5 @ 1'-0"	26'-8"	334	
	g1	29 - #8 @ 0'-11 1/2"	11'-8"	903	
	g2	15 - #9 @ 0'-9 1/2"	26'-8"	1360	

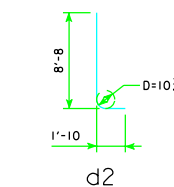


d2 BAR LAYOUT

(SEE SECTION A-A ON SHEET H24-71-06.)

① FOR DETERMINING ACTUAL PILE LENGTHS IN FIELD.

② FOR ESTIMATING PILE LENGTHS USING AASHTO LRFD SPECIFICATIONS.



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

01-10 LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES DECEMBER, 2006	
		TEE PIER - 75 TON STEEL PILE FOOTINGS 45° SKEW - H=25' TO 40'	
		H24-75-06	