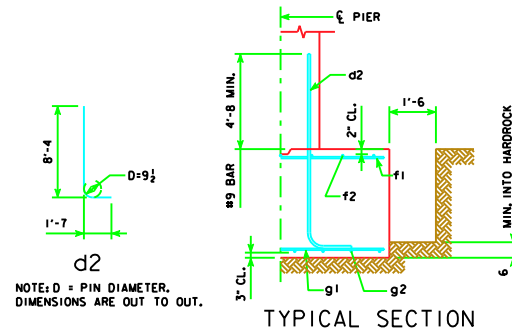
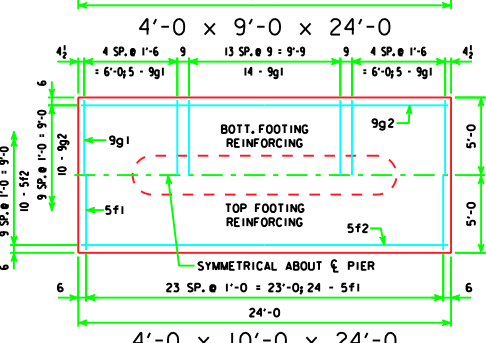
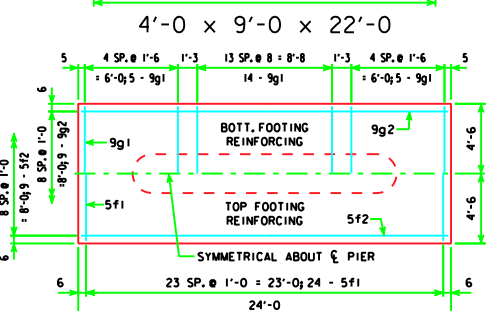
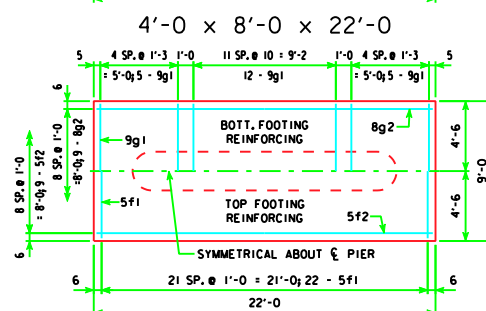
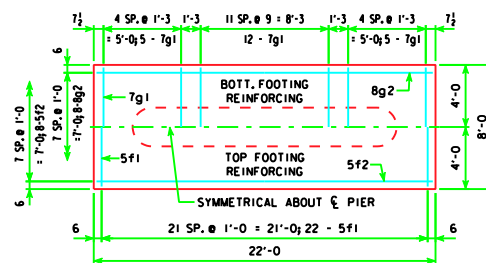
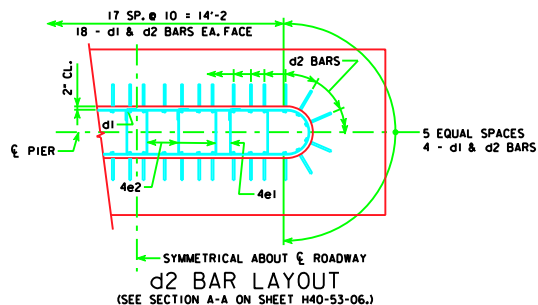


H IN FT.	C - ξ ABUT. BRG.	FOOTING SIZE	FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				STRUCTURAL CONCRETE (CY)
				BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (L.B.)	
25 TO 27	138'-10"	4' x 8' x 22'	4' x 8' x 22'	d2	44 - #9 AS SHOWN	9'-11"	1484	26.1
	151'-4"			f1	22 - #5 @ 1'-0"	7'-8"	176	
	163'-10"			f2	8 - #5 @ 1'-0"	21'-8"	181	
	176'-4"			g1	22 - #7 AS SHOWN	7'-8"	345	
	188'-10"			g2	8 - #8 @ 1'-0"	21'-8"	463	
28 TO 30	201'-4"	4' x 9' x 22'	4' x 9' x 22'	d2	44 - #9 AS SHOWN	9'-11"	1484	29.3
	213'-10"			f1	22 - #5 @ 1'-0"	8'-8"	199	
	226'-4"			f2	9 - #5 @ 1'-0"	21'-8"	203	
	243'-0"			g1	22 - #9 AS SHOWN	8'-8"	648	
	255'-10"			g2	9 - #8 @ 1'-0"	21'-8"	521	
31 TO 33	138'-10"	4' x 8' x 22'	4' x 9' x 24'	d2	44 - #9 AS SHOWN	9'-11"	1484	32.0
	151'-4"			f1	24 - #5 @ 1'-0"	8'-8"	217	
	163'-10"			f2	9 - #5 @ 1'-0"	23'-8"	222	
	176'-4"			g1	24 - #9 AS SHOWN	8'-8"	707	
	188'-10"			g2	9 - #9 @ 1'-0"	23'-8"	724	
34 TO 36	201'-4"	4' x 9' x 22'	4' x 10' x 24'	d2	44 - #9 AS SHOWN	9'-11"	1484	35.6
	213'-10"			f1	24 - #5 @ 1'-0"	9'-8"	242	
	226'-4"			f2	10 - #5 @ 1'-0"	23'-8"	247	
	243'-0"			g1	24 - #9 AS SHOWN	9'-8"	789	
	255'-10"			g2	10 - #9 @ 1'-0"	23'-8"	805	
37 TO 40	138'-10"	4' x 9' x 24'	4' x 10' x 24'	d2	44 - #9 AS SHOWN	9'-11"	1484	35.6
	151'-4"			f1	24 - #5 @ 1'-0"	9'-8"	242	
	163'-10"			f2	10 - #5 @ 1'-0"	23'-8"	247	
	176'-4"			g1	24 - #9 AS SHOWN	9'-8"	789	
	188'-10"			g2	10 - #9 @ 1'-0"	23'-8"	805	



FOOTING NOTES:

THESE SPREAD FOOTINGS ARE DESIGNED AND DETAILED TO BE USED WITH THE CAP AND COLUMN DETAILS OF THE TEE PIERS AS SHOWN ON SHEET H40-53-06.

THESE SPREAD FOOTINGS SHALL EXTEND AT LEAST 6 INCHES INTO SUITABLE FOUNDATION ROCK AND THE LAST 6 INCHES OF ROCK EXCAVATION SHALL BE TO NEAT LINES OF MASONRY. THE FOUNDATION ROCK SHALL HAVE AN ALLOWABLE BEARING VALUE OF AT LEAST 5 TONS PER SQUARE FOOT.

LATEST REVISION DATE	<i>Thomas E. McQuinn</i> APPROVED BY BRIDGE ENGINEER	 Iowa Department of Transportation Highway Division	
		STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE	
		PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES	
		HL93 SUPERSTRUCTURE	HS25 SUBSTRUCTURE
		TEE PIER - SPREAD FOOTINGS, H=25' TO 40' 0° SKEW	
		H40-58-06	