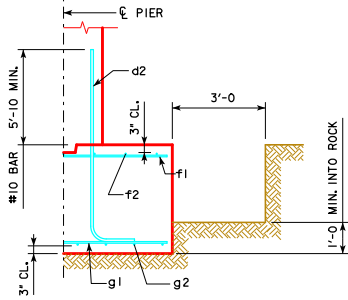
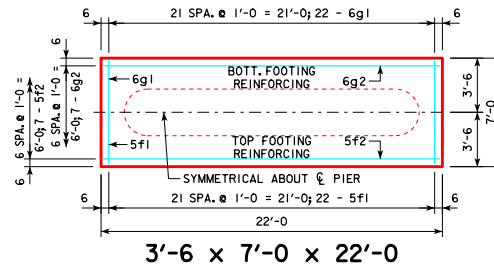


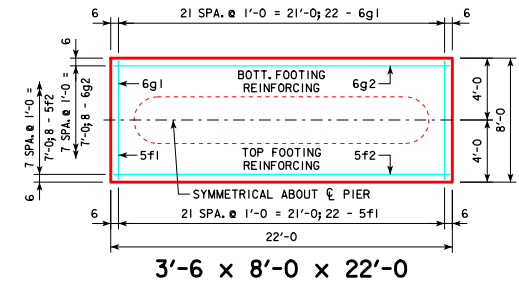
REVISED 04-12 - EXCAVATION LIMIT WAS CHANGED TO 3'-0".
REVISED 09-2016 - CHANGED VERTICAL CLEARANCE OF REBAR "f2" TO TOP OF PIER FOOTING TO 3" (WAS 2").



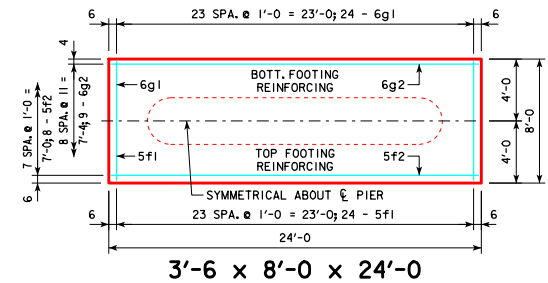
TYPICAL SECTION



3'-6 x 7'-0 x 22'-0

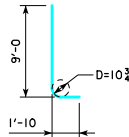


3'-6 x 8'-0 x 22'-0



3'-6 x 8'-0 x 24'-0

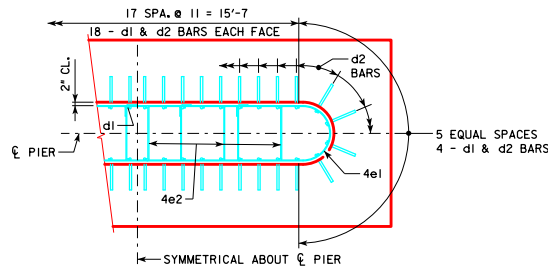
| H IN FT. | CL - CL ABUT. BRG. | FOOTING SIZE |
|----------------|--------------------------|-----------------|
| 16 TO 18 | 138'-10 | 3'-6 x 7' x 22' |
| | 151'-4 | |
| | 163'-10 | |
| | 176'-4 | |
| | 188'-10 | |
| 19 TO 21 | 201'-4 | 3'-6 x 8' x 22' |
| | 213'-10 | |
| | 226'-4 | |
| | 239'-0 | |
| | 251'-6 | |
| 22 TO 24 | 138'-10 | 3'-6 x 8' x 24' |
| | 151'-4 | |
| | 163'-10 | |
| | 176'-4 | |
| | 188'-10 | |
| | 201'-4 | 3'-6 x 8' x 22' |
| | 213'-10 | |
| | 226'-4 | |
| | 239'-0 | |
| | 251'-6 | |



d2

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

| FOOTING SIZE | REINFORCING STEEL (ONE FOOTING) | | | TOTAL WEIGHT (LB.) | STRUCTURAL CONCRETE (CY) |
|----------------------|---------------------------------|--------|--------------|--------------------|--------------------------|
| | BAR NO., SIZE & SPACING | LENGTH | WEIGHT (LB.) | | |
| 3'-6 x 7' x 22' | d2 44 - #10 AS SHOWN | 10'-10 | 2051 | 2810 | 20.0 |
| | f1 22 - #5 @ 1'-0 | 6'-8 | 153 | | |
| | f2 7 - #5 @ 1'-0 | 21'-8 | 158 | | |
| | g1 22 - #6 @ 1'-0 | 6'-8 | 220 | | |
| | g2 7 - #6 @ 1'-0 | 21'-8 | 228 | | |
| | d2 44 - #10 AS SHOWN | 10'-10 | 2051 | | |
| f1 22 - #5 @ 1'-0 | 7'-8 | 176 | | | |
| f2 8 - #5 @ 1'-0 | 21'-8 | 181 | | | |
| g1 22 - #6 @ 1'-0 | 7'-8 | 253 | | | |
| g2 8 - #6 @ 1'-0 | 21'-8 | 260 | | | |
| d2 44 - #10 AS SHOWN | 10'-10 | 2051 | 3036 | 24.9 | |
| f1 24 - #5 @ 1'-0 | 7'-8 | 192 | | | |
| f2 8 - #5 @ 1'-0 | 23'-8 | 197 | | | |
| g1 24 - #6 @ 1'-0 | 7'-8 | 276 | | | |
| g2 9 - #6 @ 0'-11 | 23'-8 | 320 | | | |



d2 BAR LAYOUT

(SEE SECTION A-A ON SHEET H24-64-06.)

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 H24-64-06.

THESE SPREAD FOOTINGS SHALL EXTEND AT LEAST 12 INCHES INTO SUITABLE FOUNDATION ROCK AND THE LAST 12 INCHES OF ROCK EXCAVATION SHALL BE TO NEAT LINES OF MASONRY. THE FOUNDATION ROCK SHALL HAVE A MINIMUM LRFD NOMINAL BEARING RESISTANCE OF 30 KIPS PER SQUARE FOOT (ALLOWABLE BEARING VALUE OF AT LEAST 10 KIPS PER SQUARE FOOT).

| | | |
|---|---|------------------|
| 09-2016 LATEST REVISION DATE <i>Thomas E. M. Donnell</i> APPROVED BY BRIDGE ENGINEER | | |
| | STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES DECEMBER, 2006 | |
| | TEE PIER - SPREAD FOOTINGS 30° SKEW - H=16' TO 24' | H24-69-06 |