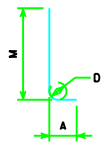
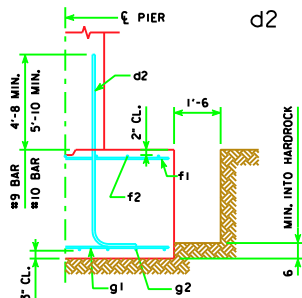


| H IN ABUT. BRG.                                                                            | MIN. BRG. (TSF) | FOOTING SIZE   | FOOTING SIZE   | REINFORCING STEEL (ONE FOOTING)                                                                                                                                                                                                                                                                                              | TOTAL WEIGHT (LB.) | STRUCTURAL CONCRETE (CY) |
|--------------------------------------------------------------------------------------------|-----------------|----------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------|
| FT.                                                                                        |                 |                |                | BAR NO., SIZE & SPACING LENGTH WEIGHT (LB.)                                                                                                                                                                                                                                                                                  |                    |                          |
| 138'-10<br>151'-4<br>163'-10<br>176'-4<br>188'-10<br>201'-4<br>213'-10<br>226'-4<br>243'-0 | 5               | 4' x 7' x 24'  | 4' x 7' x 24'  | d2 30 - #9 AS SHOWN 9'-11 1012<br>f1 24 - #5 @ 1'-0 6'-8 167<br>f2 7 - #5 @ 1'-0 23'-8 173<br>g1 24 - #6 AS SHOWN 6'-8 240<br>g2 14 - #10 @ 0'-6 23'-8 1426<br>d2 30 - #9 AS SHOWN 9'-11 1012<br>f1 24 - #5 @ 1'-0 7'-8 192<br>f2 8 - #5 @ 1'-0 23'-8 197<br>g1 24 - #7 AS SHOWN 7'-8 376<br>g2 13 - #11 @ 0'-7 23'-8 1635   | 3018               | 24.9                     |
| 138'-10<br>151'-4<br>163'-10<br>176'-4<br>188'-10<br>201'-4<br>213'-10<br>226'-4<br>243'-0 | 4               | 4' x 8' x 24'  | 4' x 8' x 24'  | d2 30 - #9 AS SHOWN 9'-11 1012<br>f1 24 - #5 @ 1'-0 8'-8 217<br>f2 9 - #5 @ 1'-0 23'-8 222<br>g1 24 - #8 AS SHOWN 8'-8 555<br>g2 17 - #10 @ 0'-6 23'-8 1731<br>d2 30 - #10 AS SHOWN 11'-4 1463<br>f1 25 - #5 @ 1'-0 9'-8 252<br>f2 10 - #5 @ 1'-0 24'-8 257<br>g1 25 - #9 AS SHOWN 9'-8 822<br>g2 20 - #10 @ 0'-6 24'-8 2123 | 3412               | 28.4                     |
| 138'-10<br>151'-4<br>163'-10<br>176'-4<br>188'-10<br>201'-4<br>213'-10<br>226'-4<br>243'-0 | 5               | 4' x 9' x 24'  | 4' x 9' x 24'  |                                                                                                                                                                                                                                                                                                                              | 3737               | 32.0                     |
| 138'-10<br>151'-4<br>163'-10<br>176'-4<br>188'-10<br>201'-4<br>213'-10<br>226'-4<br>243'-0 | 5               | 4' x 10' x 25' | 4' x 10' x 25' |                                                                                                                                                                                                                                                                                                                              | 4917               | 37.0                     |

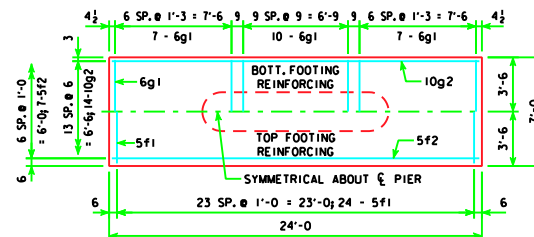
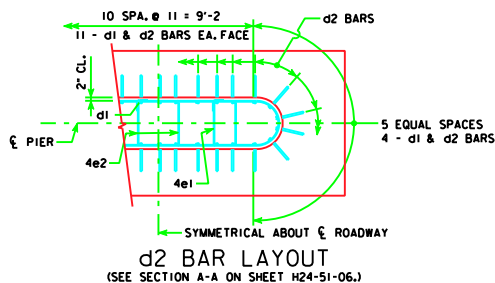


| H IN FT. | D      | M    | A     |
|----------|--------|------|-------|
| 25 TO 36 | 9 1/2  | 8'-4 | 1'-7  |
| 37 TO 40 | 10 1/2 | 9'-6 | 1'-10 |

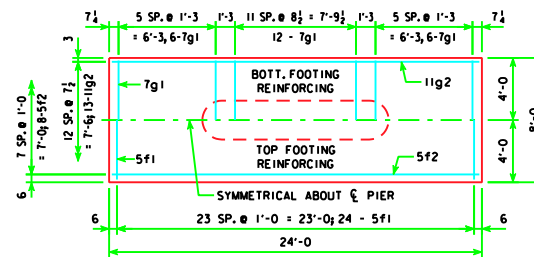
NOTE: D = PIN DIAMETER.  
DIMENSIONS ARE OUT TO OUT.



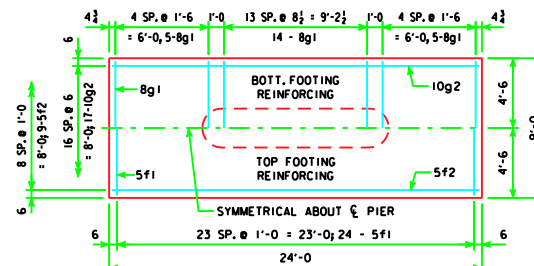
TYPICAL SECTION



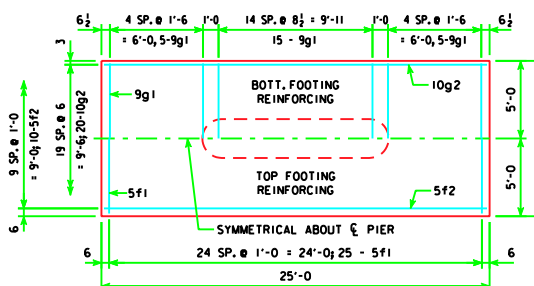
4'-0 x 7'-0 x 24'-0



4'-0 x 8'-0 x 24'-0



4'-0 x 9'-0 x 24'-0



4'-0 x 10'-0 x 25'-0

### 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 H24-51-06.

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. SEE TABLE FOR MINIMUM ALLOWABLE BEARING VALUE REQUIRED FOR THE FOUNDATION ROCK.

|                                                                                                                                                               |                                                         |           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------|
| LATEST REVISION DATE                                                                                                                                          | <i>Thomas L. McQuinn</i><br>APPROVED BY BRIDGE ENGINEER |           |
| STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE<br>PRETENSIONED PRESTRESSED<br>CONCRETE BEAM BRIDGES<br>HL93 SUPERSTRUCTURE DECEMBER, 2006 HS25 SUBSTRUCTURE |                                                         |           |
| TEE PIER - SPREAD<br>FOOTINGS, H=25' TO 40'<br>15° SKEW                                                                                                       |                                                         | H24-55-06 |