

140'-0 & 150'-0 BRIDGES

PILE PLAN - 0° SKEW STEEL PILING

ABUTMENT NOTES:

THE CONCRETE AND REINFORCING STEEL FOR THE WINGS IS INCLUDED WITH THE SUPERSTRUCTURE.

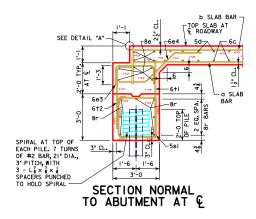
DETAILS ON THIS SHEET ARE TO BE USED ONLY WHEN ABUTMENTS ARE PLACED ON STEEL PILES. IF ROCK IS ENCOUNTERED CLOSER THAN 12' BELOW ABUTMENT FOOTING, SPECIAL ANALYSIS MAY BE REQUIRED.

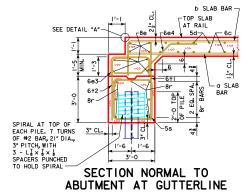
THE MINIMUM CLEAR DISTANCE FROM THE FACE OF THE CONCRETE TO NEAR REINFORCING BAR IS TO BE 2 INCHES UNLESS OTHERWISE NOTED OR SHOWN.

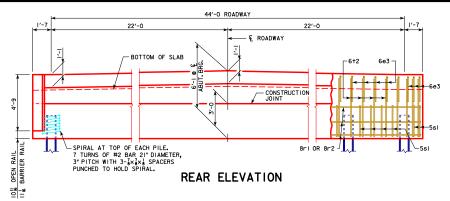
STEEL ABUTMENT PILES SHALL BE DRIVEN TO FULL PENETRATION IF PRACTICABLE BUT IN NO CASE TO A BEARING VALUE LESS THAN SHOWN IN DESIGN PLANS.

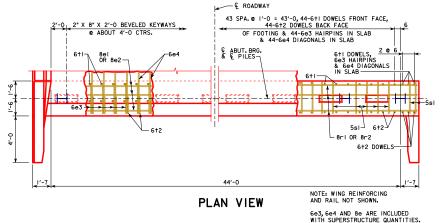
ALL REINFORCING STEEL IS TO BE GRADE 60.

ABUTMENT PILING WAS DESIGNED FOR HL-93 LOADING WITH AN ALLOWANCE FOR 20 LBS, PER SQ. FT. FUTURE WEARING SURFACE.









DETAIL "A"

| NUMBER OF PILES AND ABUTMENT DESIGN LOADS | | | | | | | | | |
|---|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| BRIDGE LENGTH | 70'-0 | 80'-0 | 90'-0 | 100'-0 | 110'-0 | 120'-0 | 130'-0 | 140'-0 | 150'-0 |
| PILING - NUMBER | 7 | 7 | 7 | 7 | 7 | 7 | - 8 | 9 | 9 |
| PU, STRENGTH I DESIGN LOAD - KIPS | 504 | 539 | 571 | 613 | 653 | 699 | 744 | Δ 869 | Δ 922 |
| | | | | | | | | | |
| | | | | | | | | | |

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





STANDARD DESIGN - 44' ROADWAY, 3 SPAN BRIDGES

CONTINUOUS CONCRETE SLAB BRIDGES

NOVEMBER, 2006

O° SKEW - STEEL PILING

J44-39-06