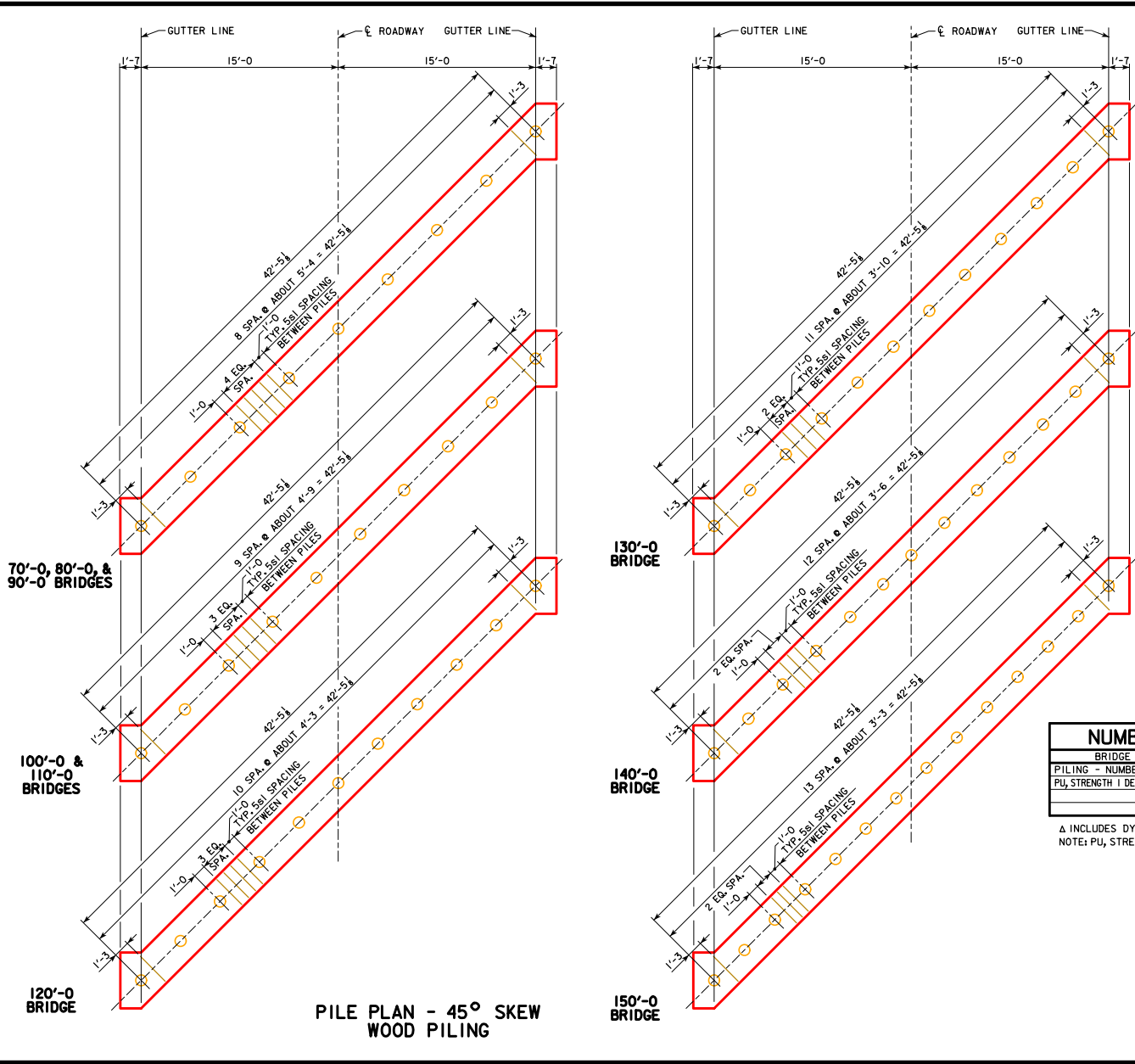


REVISED 06-2013; REVISION FOR LRFD PILE DESIGN.  
 REVISED 09-2020; UPDATED BRIDGE ENGINEER SIGNATURE.



PILE PLAN - 45° SKEW  
 WOOD PILING

| 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                           | 9     | 9     | 9     | 10     | 10     | 11     | 12     | 13     | 14     |
| PU, STRENGTH I DESIGN LOAD - KIPS         | 419   | 444   | 468   | 499    | 528    | 562    | 595    | Δ 691  | Δ 729  |

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

|  |   |
|--|---|
| 09-2020<br>LATEST REVISION DATE<br><br>APPROVED BY BRIDGE ENGINEER<br> |   |
|  | STANDARD DESIGN - 30' ROADWAY, 3 SPAN BRIDGES<br><b>CONTINUOUS CONCRETE<br/>         SLAB BRIDGES</b><br>NOVEMBER, 2006 |
|  | <b>45° ABUTMENT DETAILS<br/>         SKEW - TIMBER PILING</b>   |
| <b>J30-32-06</b>   |   |