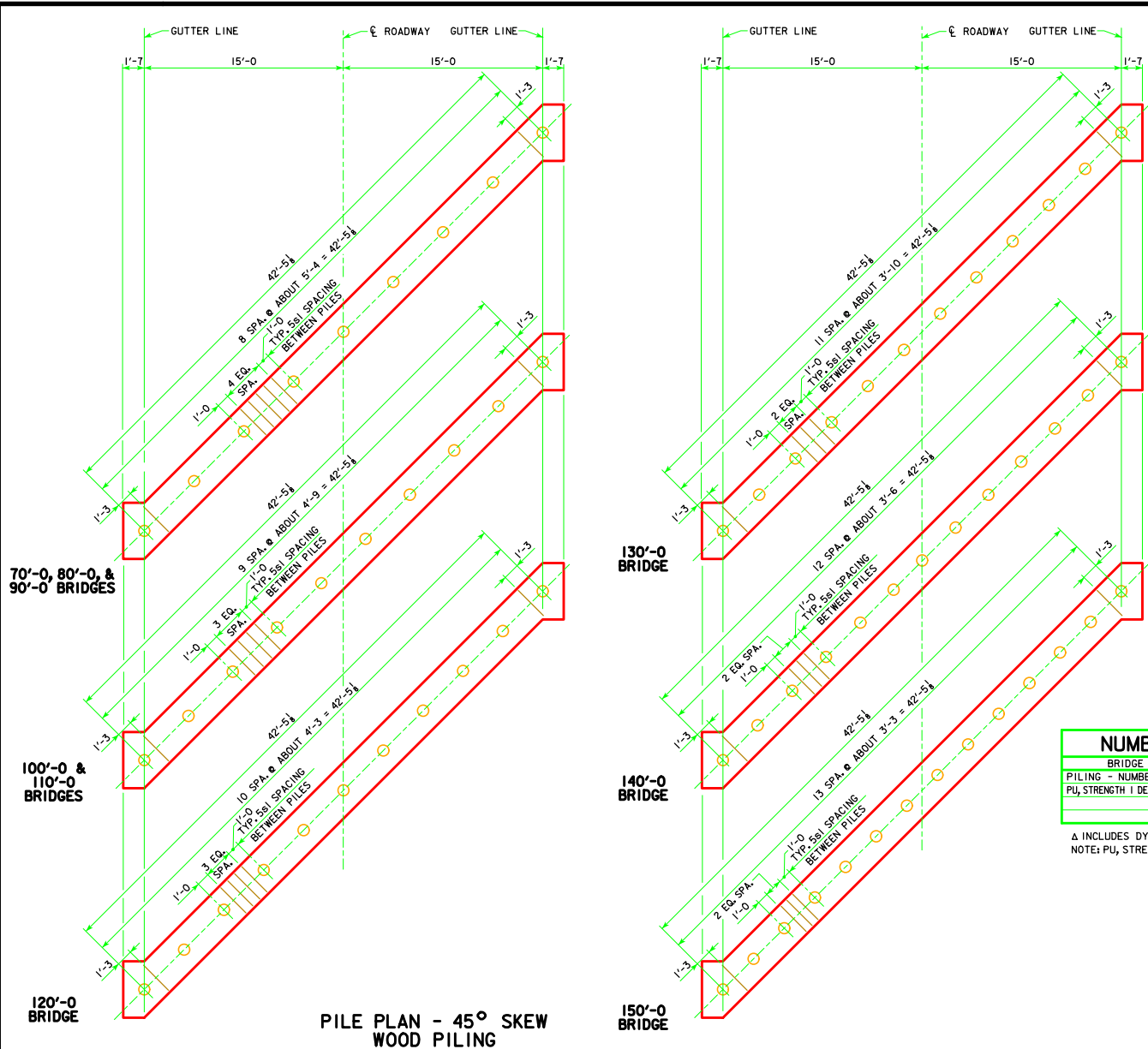



REVISED 06-13 - REVISION FOR LRFD PILE DESIGN.



**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 DESIGN LOAD - KIPS	419	444	468	499	528	562	595	Δ 691	Δ 729

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

LATEST REVISION DATE 06-13	APPROVED BY BRIDGE ENGINEER <i>Norman E. M. Donnell</i>	 Iowa Department of Transportation Highway Division	
		STANDARD DESIGN - 30' ROADWAY, 3 SPAN BRIDGES CONTINUOUS CONCRETE SLAB BRIDGES NOVEMBER, 2006	
		45° ABUTMENT DETAILS SKEW - TIMBER PILING	J30-32-06