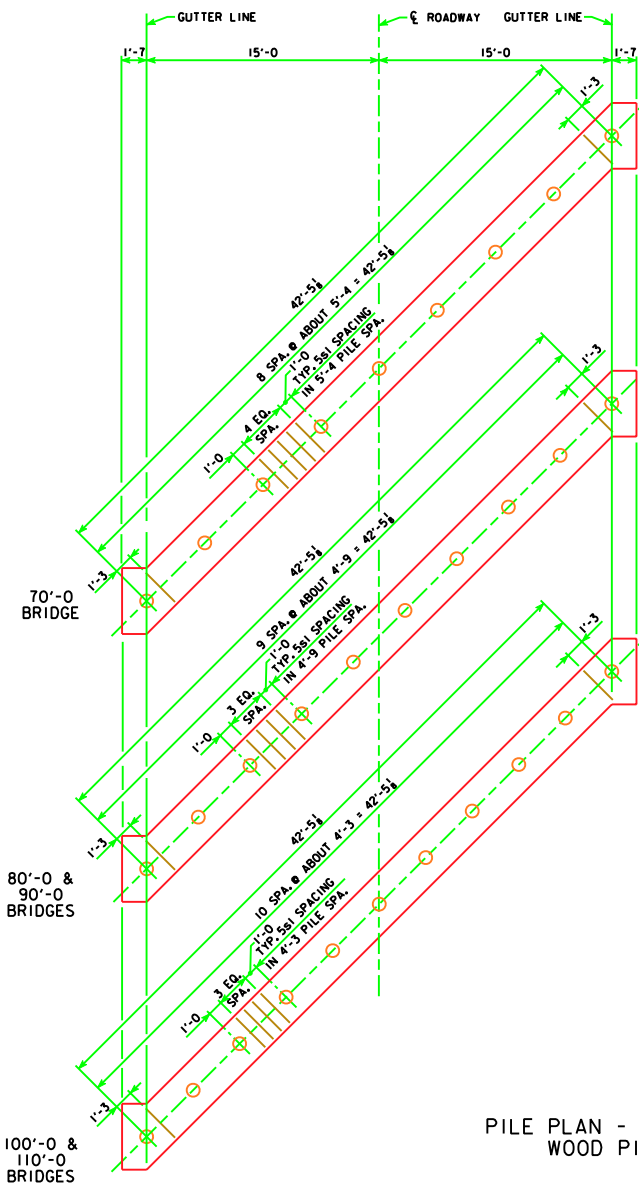
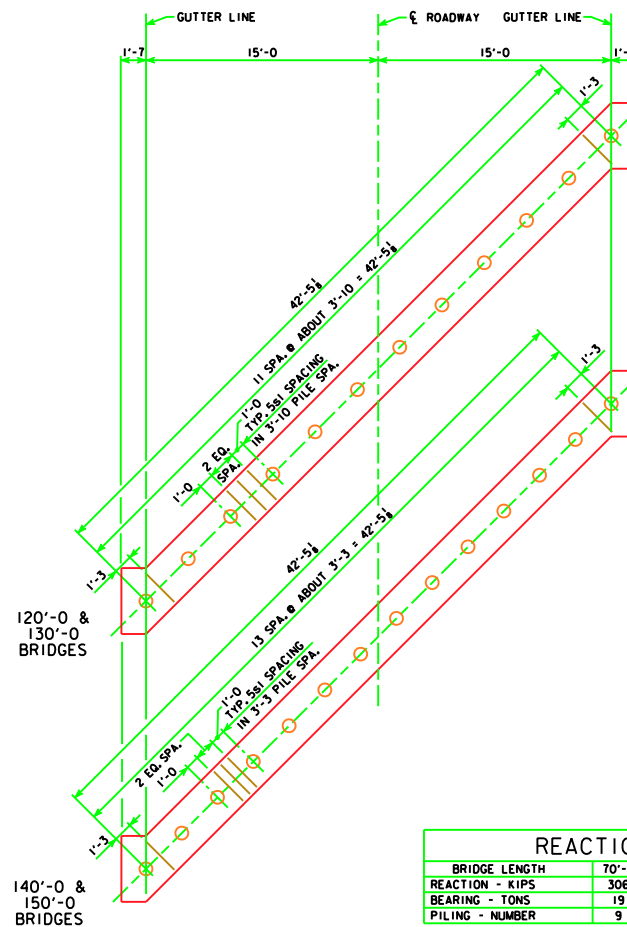


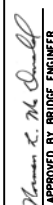


PILE PLAN - 45° SKEW
WOOD PILING



REACTION, PILE NUMBER & BEARING										
BRIDGE LENGTH	70'-0	80'-0	90'-0	100'-0	110'-0	120'-0	130'-0	140'-0	150'-0	
REACTION - KIPS	306	328	346	365	384	405	426	488*	512*	
BEARING - TONS	19	19	20	19	20	19	20	19	20	
PILING - NUMBER	9	10	10	11	11	12	12	14	14	

*INCLUDES IMPACT

LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 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