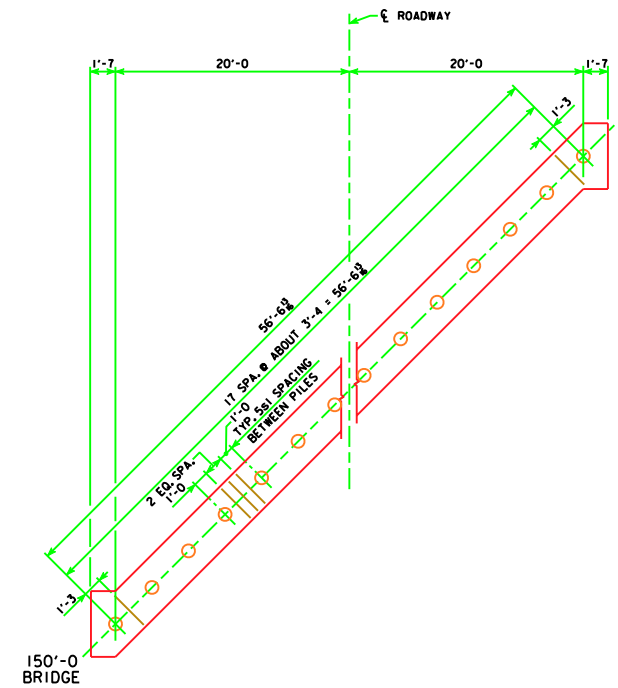
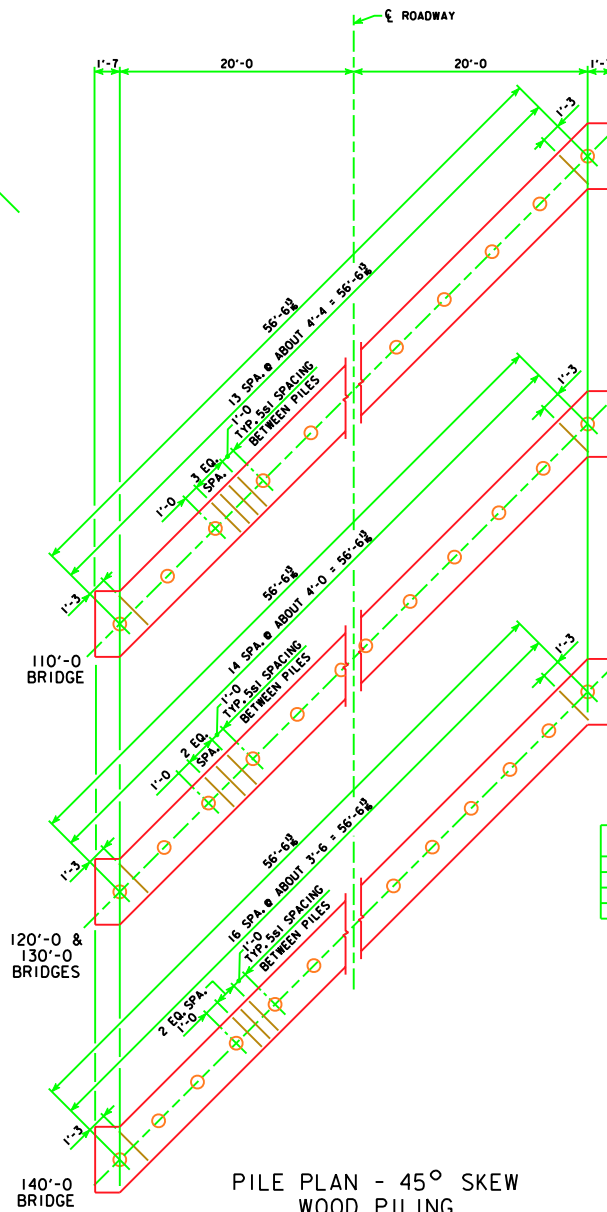
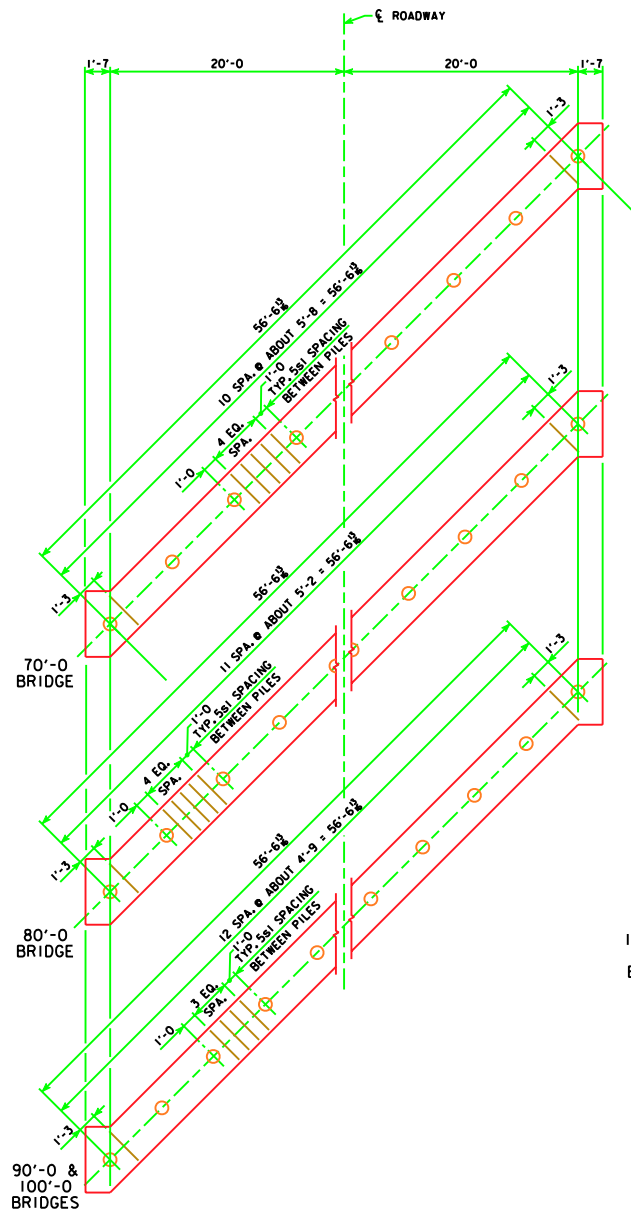
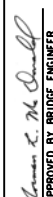




REACTION, PILE NUMBER & BEARING									
BRIDGE LENGTH	70'-0	80'-0	90'-0	100'-0	110'-0	120'-0	130'-0	140'-0	150'-0
REACTION - KIPS	401	430	454	479	503	531	559	Δ 641	Δ 673
BEARING - TONS	20	20	19	20	20	19	20	20	20
PILING - NUMBER	11	12	13	13	14	15	15	17	18

Δ INCLUDES IMPACT

PILE PLAN - 45° SKEW
WOOD PILING

LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 Iowa Department of Transportation Highway Division	
		STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES CONTINUOUS CONCRETE SLAB BRIDGES NOVEMBER, 2006	
		45° ABUTMENT DETAILS SKEW - TIMBER PILING	J40-37-06