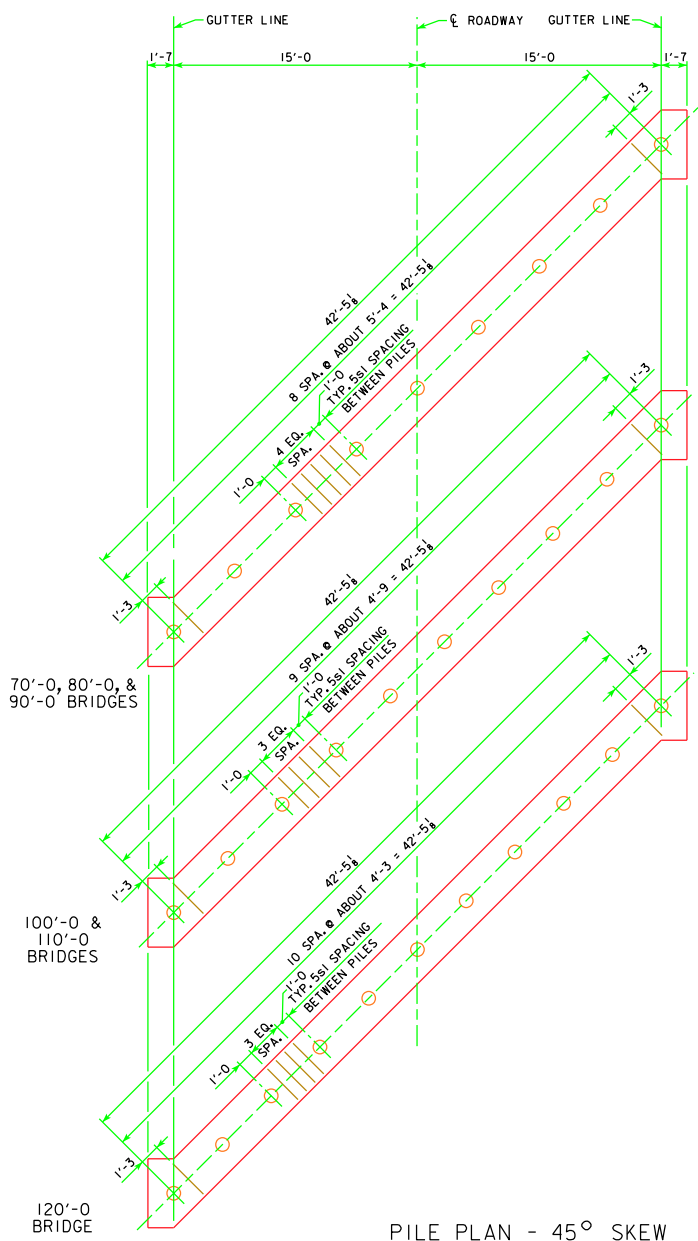
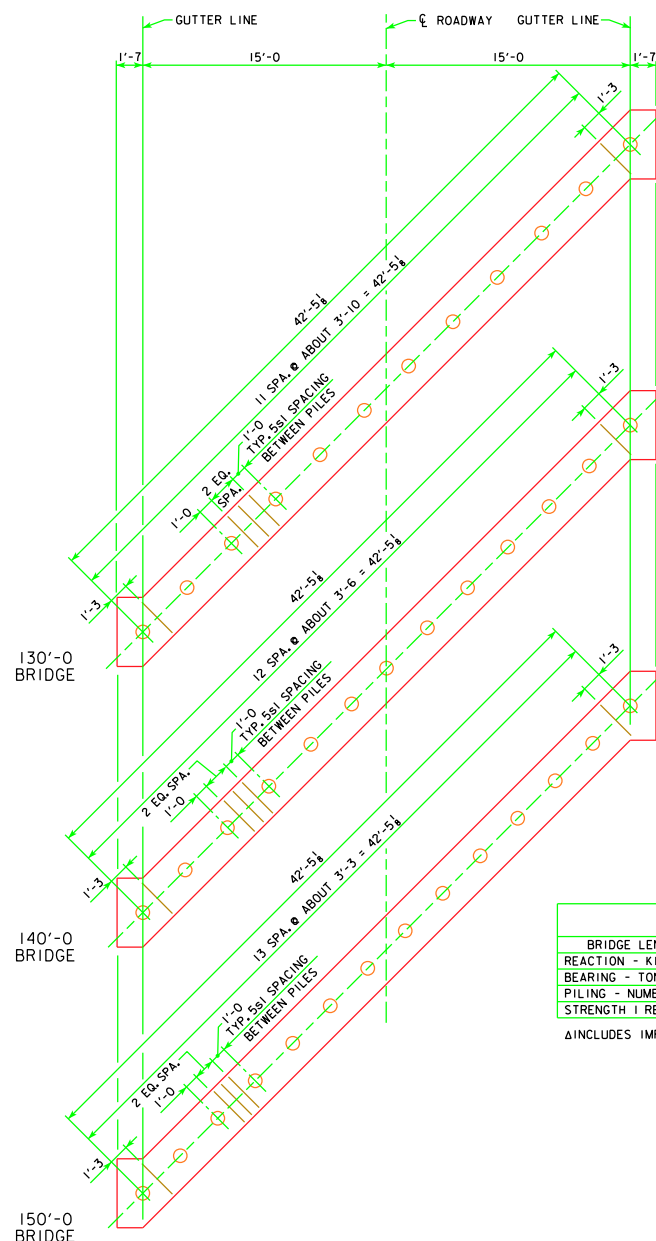


REVISED 12-08 - REVISED ENTIRE SHEET.



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	325	342	358	377	397	419	441	469	499	Δ 525
BEARING - TONS	19	19	20	19	20	20	19	20	19	19
PILING - NUMBER	9	9	9	10	10	11	12	13	14	
STRENGTH REACTION - KIPS	419	444	468	499	528	562	595	Δ 691	Δ 729	

Δ INCLUDES IMPACT

12-08 LATEST REVISION DATE <i>Thomas C. McQuinn</i> APPROVED BY BRIDGE ENGINEER	 Iowa Department of Transportation Highway Division	
	STANDARD DESIGN - 30' ROADWAY, 3 SPAN BRIDGES CONTINUOUS CONCRETE SLAB BRIDGES NOVEMBER, 2006	
	ABUTMENT DETAILS 45° SKEW - TIMBER PILING	J30-32-06