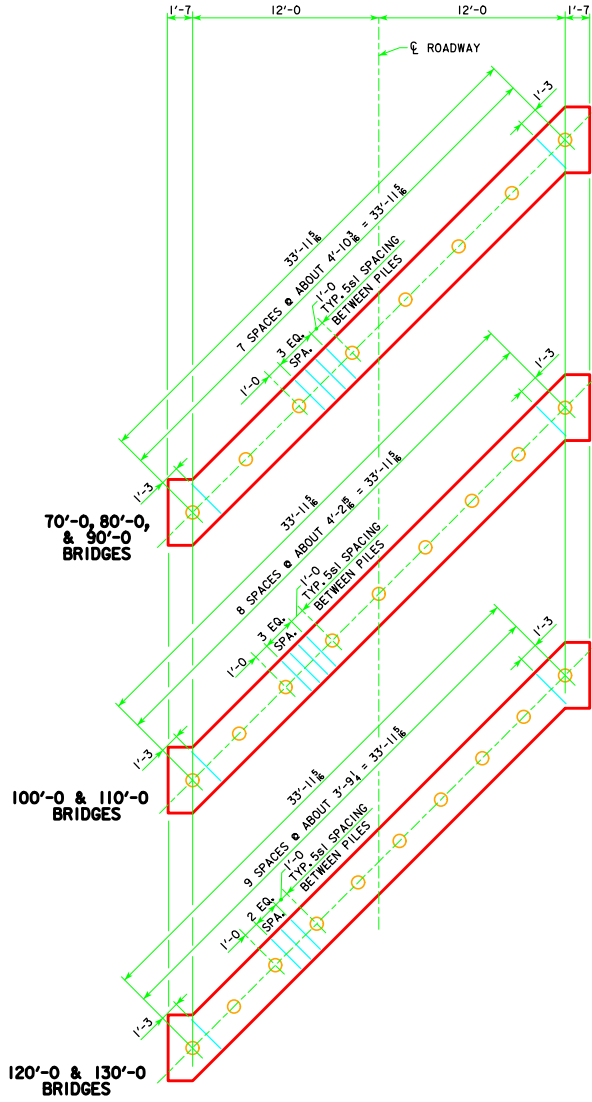


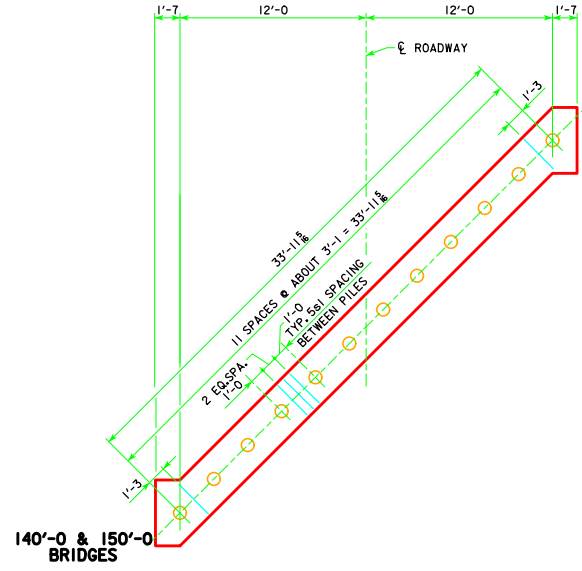
REVISED 06-13 - REVISION FOR LRFD PILE DESIGN.



70'-0, 80'-0,
& 90'-0
BRIDGES

100'-0 & 110'-0
BRIDGES

120'-0 & 130'-0
BRIDGES



140'-0 & 150'-0
BRIDGES

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	8	8	8	9	9	10	10	12	12
PI, STRENGTH I DESIGN LOAD - KIPS	379	401	421	448	474	504	532	Δ 623	Δ 655

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

LATEST REVISION DATE 06-13	 Iowa Department of Transportation Highway Division
	STANDARD DESIGN - 24' ROADWAY, 3 SPAN BRIDGES CONTINUOUS CONCRETE SLAB BRIDGES NOVEMBER, 2006
	45° ABUTMENT DETAILS SKEW - TIMBER PILING

APPROVED BY BRIDGE ENGINEER

 Norman E. McQuinn

J24-32-06