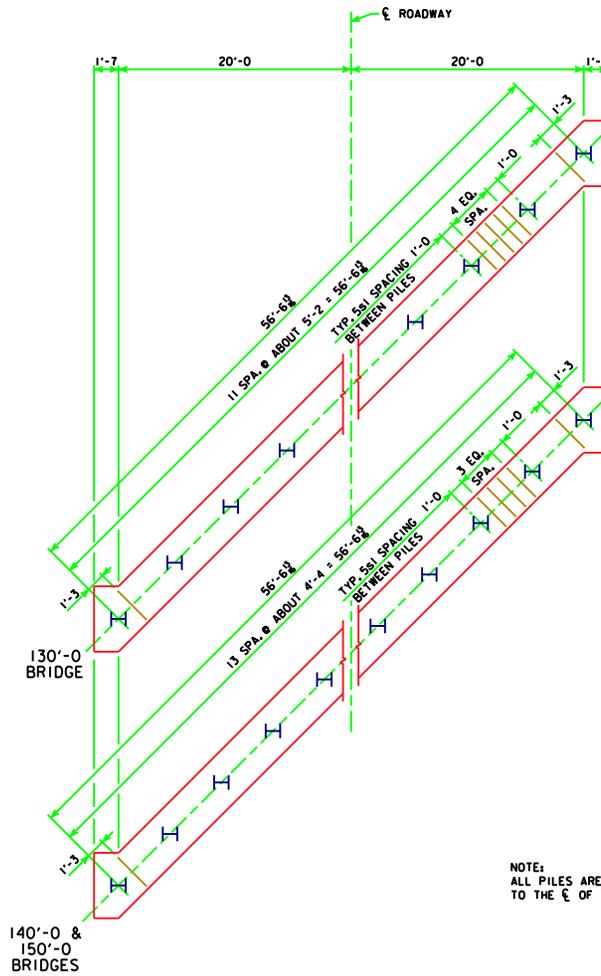


PILE PLAN - 45° SKEW  
STEEL PILING



NOTE:  
ALL PILES ARE TO BE ORIENTED WITH WEBS PERPENDICULAR  
TO THE  $\xi$  OF THE ROADWAY AS SHOWN.

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	23	24	23	24	23	25	24	23	25
PILING - NUMBER	9	9	10	10	11	11	12	14	14

Δ INCLUDES IMPACT

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER  
*Thomas E. McQuinn*



Iowa Department of Transportation  
Highway Division

STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES

CONTINUOUS CONCRETE  
SLAB BRIDGES

NOVEMBER, 2006

ABUTMENT DETAILS  
45° SKEW - STEEL PILING

J40-43-06