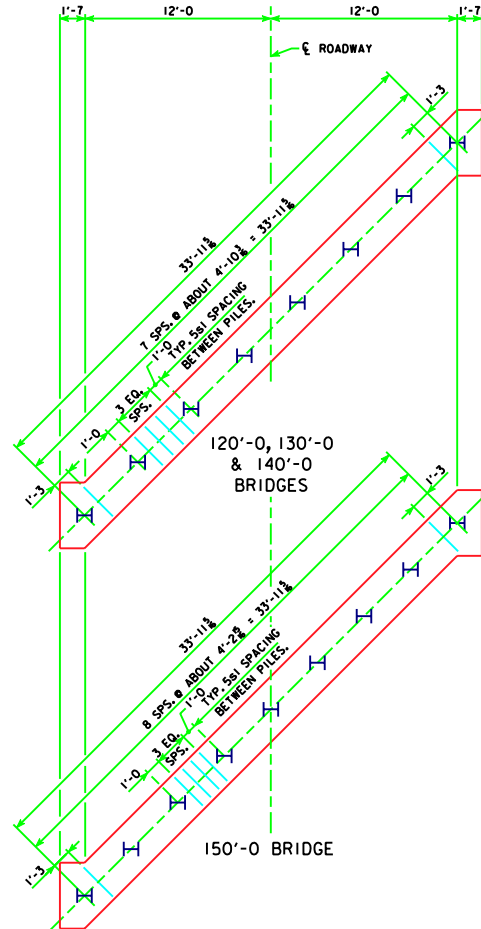




NOTE:
ALL PILES ARE TO BE ORIENTED WITH WEBS PERPENDICULAR
TO THE C OF THE ROADWAY AS SHOWN.

PILE PLAN - 45° SKEW
STEEL PILING

NOTE: ALL PILING HPI0X42

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	270	289	305	322	338	356	374	Δ 432	Δ 45	
BEARING - TONS	23	25	22	23	25	23	24	27	26	
PILING - NUMBER	6	6	7	7	7	8	8	8	9	

Δ INCLUDES IMPACT

LATEST REVISION DATE

Norman L. Mc Donald
APPROVED BY BRIDGE ENGINEER



Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 24' ROADWAY, 3 SPAN BRIDGES

CONTINUOUS CONCRETE SLAB BRIDGES

NOVEMBER, 2006

ABUTMENT DETAILS
45° SKEW - STEEL PILING

J24-38-06