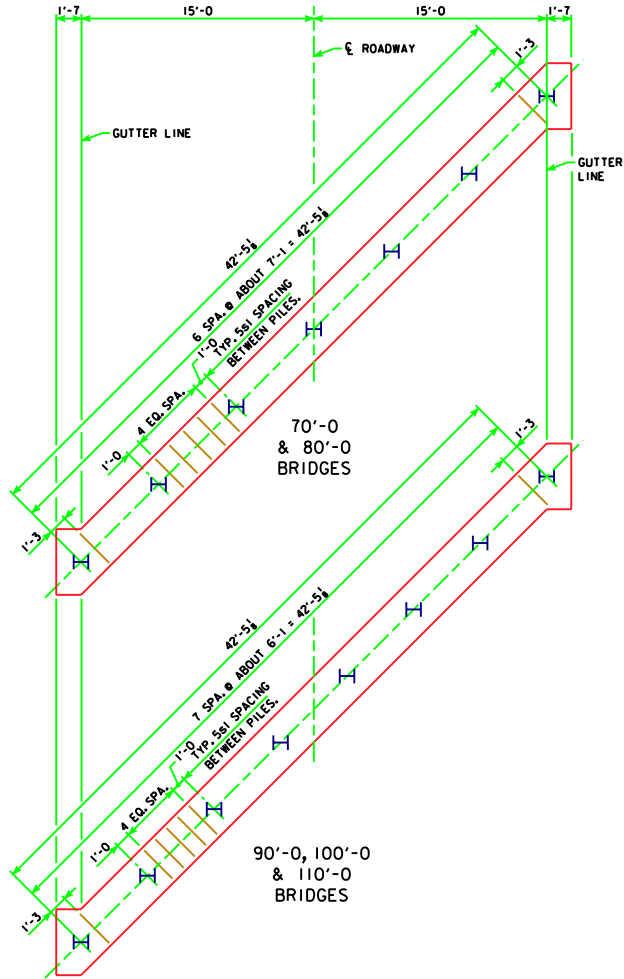
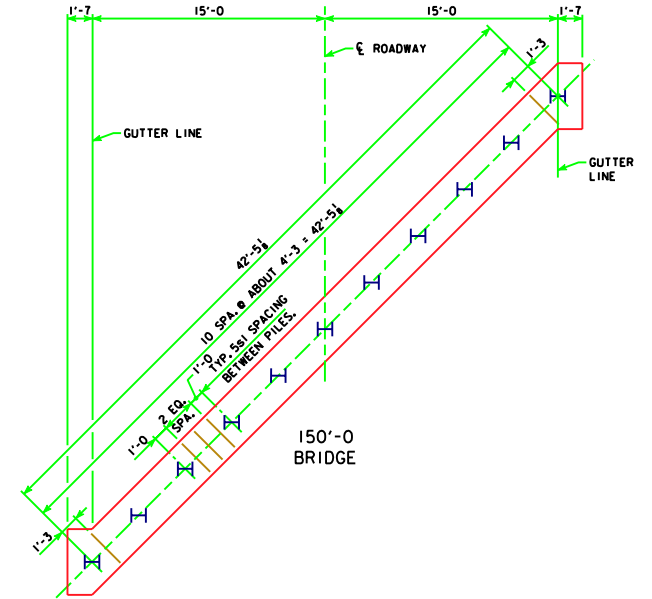
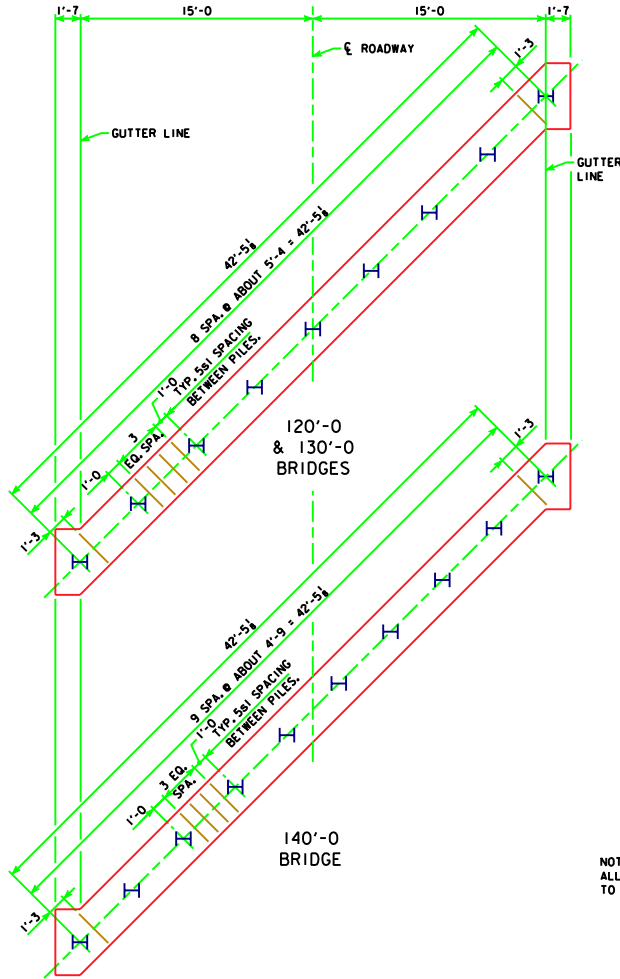




PILE PLAN - 45° SKEW
STEEL PILING

NOTE: ALL PILING HP 10 X 42.



NOTE:
ALL PILES ARE TO BE ORIENTED WITH WEBS PERPENDICULAR
TO THE ∇ 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	306	328	346	365	384	405	426	448	452	
BEARING - TONS	22	24	22	23	24	23	24	25	24	
PILING - NUMBER	7	7	8	8	8	9	9	10	11	

Δ INCLUDES IMPACT

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER



Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 30' ROADWAY, 3 SPAN BRIDGES
CONTINUOUS CONCRETE
SLAB BRIDGES
NOVEMBER, 2006

45° ABUTMENT DETAILS
SKEW - STEEL PILING

J30-38-06