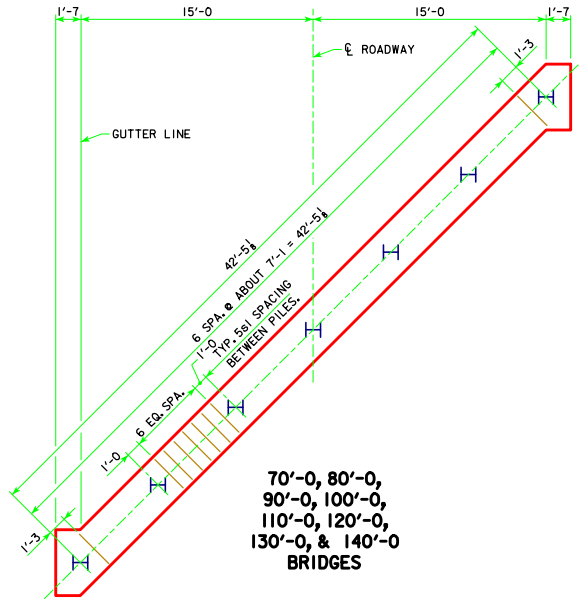
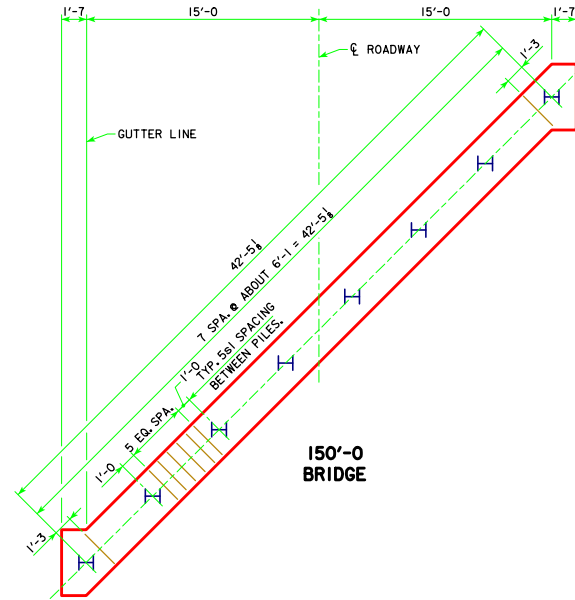


REVISED 06-13 - REVISION FOR LRFD PILE DESIGN.



70'-0, 80'-0,  
90'-0, 100'-0,  
110'-0, 120'-0,  
130'-0, & 140'-0  
BRIDGES



150'-0  
BRIDGE

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

**PILE PLAN - 45° SKEW  
STEEL PILING**

NOTE: ALL PILING HP 10 X 42.

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	7	7	7	7	7	7	7	7	8
PU, STRENGTH I DESIGN LOAD - KIPS	419	444	468	499	528	562	595	Δ 691	Δ 729

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

LATEST REVISION DATE 06-13  APPROVED BY BRIDGE ENGINEER 	 <b>Iowa Department of Transportation</b> Highway Division
	STANDARD DESIGN - 30' ROADWAY, 3 SPAN BRIDGES <b>CONTINUOUS CONCRETE SLAB BRIDGES</b> NOVEMBER, 2006
	<b>ABUTMENT DETAILS 45° SKEW - STEEL PILING</b>
<b>J30-38-06</b>	