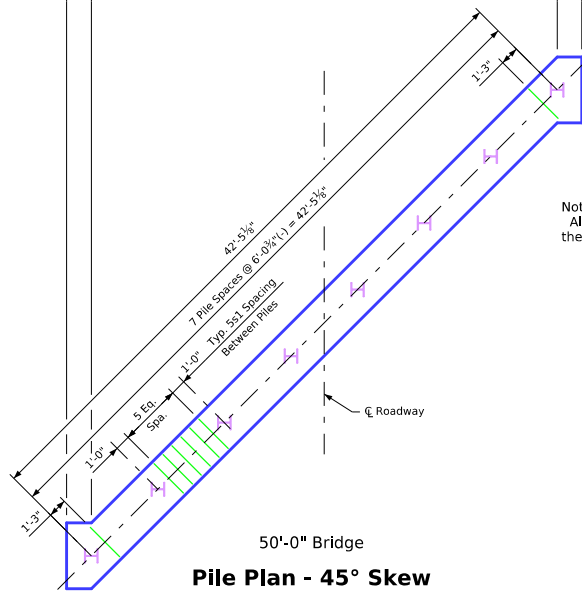


20'-0", 30'-0", & 40'-0" Bridges




50'-0" Bridge

**Pile Plan - 45° Skew
Steel Piling**

Note:
All piles are to be oriented with webs perpendicular to the CL of the roadway as shown.

Number of Piles and Abutment Design Loads				
Bridge Length	20'-0"	30'-0"	40'-0"	50'-0"
Number of Piles	7	7	7	8
Pu, strength I design load for each abutment (kips)	514	608	710	841

Note: Pu, strength I design load for each abutment (kips) is not the value used in the field for driving piles.

Latest Revision Date	 Approved by Bridge Engineer	IOWA DOT	
		Standard Design - 30'-0" Roadway, Single Span Bridge	
		Single Span Concrete Slab Bridges	
		July, 2025	
		Integral Abutment Details 45° Skew	J30S-18-25