


**Pile Plan - 0° Skew
Steel Piling**

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	6	6	6	6	7	7	7	8	9
Pu, Strength 1 Design Load - kips	483	515	546	585	623	666	708	Δ830	Δ879

Δ Includes dynamic load allowance

Note: Pu, Strength 1 Design Load (kips) Is not the value used in the field for driving piles.

Latest Revision Date	 Approved By Bridge Engineer	IOWA DOT	
		Standard Design-40'-0" Roadway, 3 Span Bridge	
		Continuous Concrete Slab Bridge	
		July, 2025	
		Abutment Details 0° Skew - Steel Piling (2 of 2)	J40-39-25