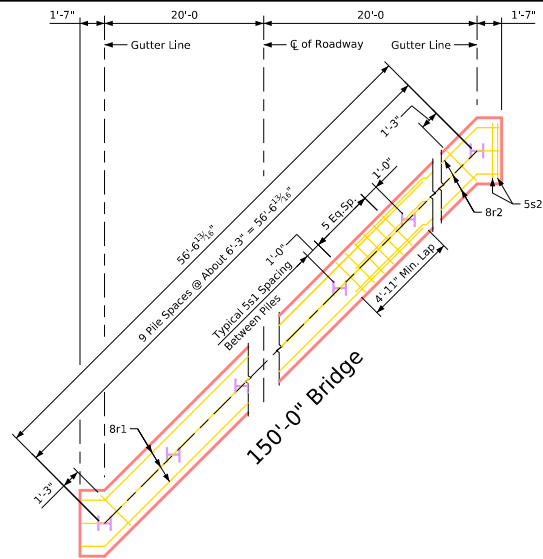


Pile Plan 45° Skew Steel Piling

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



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	9	9	9	9	9	9	9	9	10
Pu, Strength 1 Design Load - kips	538	570	601	641	679	723	765	Δ888	Δ938

Δ Includes dynamic load allowance

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

IOWA DOT	
Latest Revision Date	Approved by Bridge Engineer
Standard Design-40'-0" Roadway, 3 Span Bridge	
Continuous Concrete Slab Bridge	
July, 2025	
Abutment Details 45° Skew - Steel Piling (2 of 2)	J40-45-25