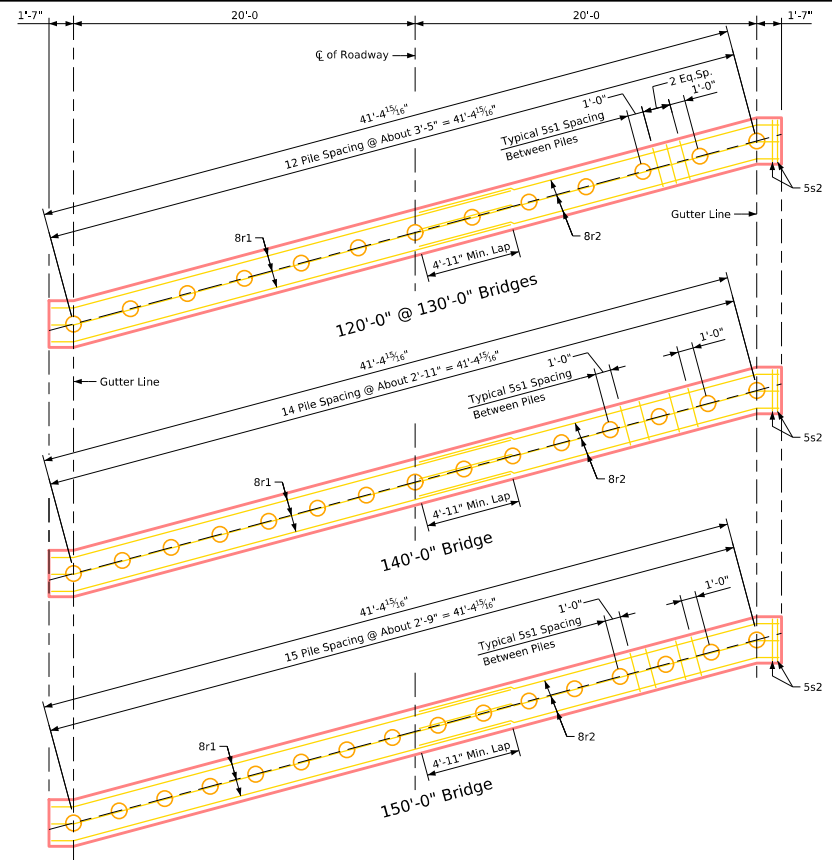


**Pile Plan - 15° Skew
Timber Piling**



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	10	10	11	11	12	13	13	15	16
Pu. Strength 1 Design Load - kips	488	520	550	590	627	671	713	Δ835	Δ884

Δ Includes dynamic load allowance

note: pu. strength 1 design load (kips) is not the value used in the field for driving piles.

12-2025, per Section 101.02 of the Design Book (http://iowadot.gov/design-book) and the Design Book in the plans for existing project.		
Latest Revision Date	IOWA DOT	
	Standard Design-40'-0" Roadway, 3 Span Bridge	
	Continuous Concrete Slab Bridge	
	July, 2025	
Approved By Bridge Engineer	Abutment Details 15° Skew - Timber Piling (2 of 2)	J40-32-25