



**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	6	6	6	7
Pu, strength I design load for each abutment (kips)	466	547	637	749

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		
	Standard Design - 24'-0" Roadway, Single Span Bridge Single Span Concrete Slab Bridges July, 2025	
	Integral Abutment Details 45° Skew	J24S-18-25