

Pile Plan - 15° Skew **Steel Piling**

Number of Piles and Abutment Design Loads

| | | | | • | | | | | | |
|-----------------------------------|-------|-------|-------|-------|--------|-------|--------|-------|--------|--|
| Br l dge Length | 70'-0 | 80:-0 | 90'-0 | 100-0 | 110 -0 | 120 0 | 130'-0 | 140 0 | 150'-0 | |
| Piling - Number | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | |
| 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



IOWA DOT

Standard Design-40'-0" Roadway, 3 Span Bridge

Continuous Concrete Slab Bridge

Ju**l**y, 2025

Abutment Details 15° Skew -Steel Piling (2 of 2)

J40-41-25