

Concrete Sealer Application Limits - Open Rail Section

Apply concrete sealer to:

- The entire top surface, edges, and underside of the bridge slab.
- The top, traffic face, side and bottom surfaces of all open rail components.
- All faces of Open Rail Posts.
- Apply sealer continuously over the full bridge length.
- Sealer application shall conform to Article 2403.03, P.3 of the Standard Specifications and Materials I.M. 491.12.

3/8" Drip * 5"
Groove (Typ.)

* Note:
Double Drip Grooves Apply To The Open Rail Option Only.

Half Section Near Abutment

Slab Cross-Section Area For Open Rail = 66.55 sq. ft.

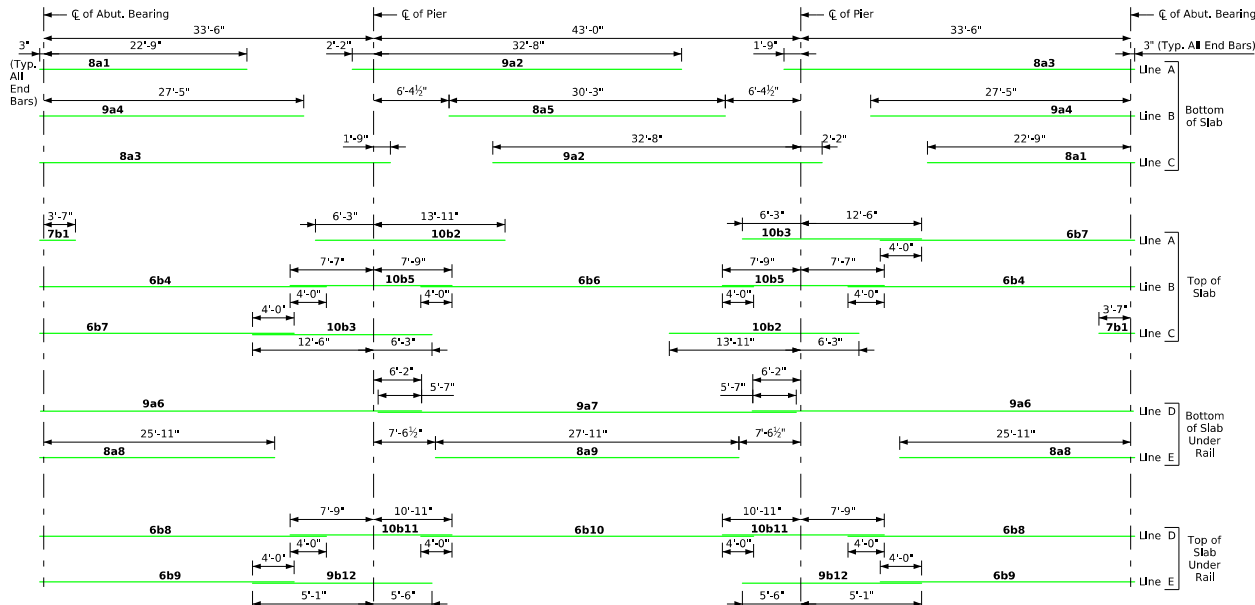
Note:

Top longitudinal reinforcing steel shall be parallel to and 2 3/4 inches clear below the top of the slab.
Bottom longitudinal reinforcing steel shall be parallel to and 1 1/2 inches clear above the bottom of the slab.
Reinforcing steel shall be securely wired in place and adequately supported on bar chairs before concrete placement.

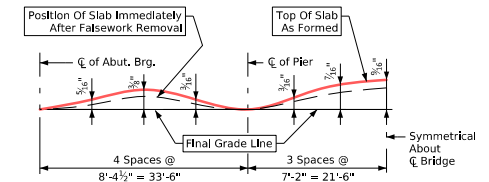
Half Section Near Pier

Slab Cross-Section Area For Single-Slope Barrier Rail = 66.60 sq. ft.

I.M. 451.01
Requirements Shall Apply For Bar Chairs.



110' - Placement for Longitudinal Reinforcement



Form Camber Diagram

This diagram illustrates the form camber required to compensate for the anticipated ultimate dead load deflection. The dimensions shown do not account for form deflection or falsework settlement.

Latest Revision Date	IOWA DOT	
	Standard Design-40'-0" Roadway, 3 Span Bridge	
	Continuous Concrete Slab Bridge	
Approved By Bridge Engineer	July, 2025	
	Superstructure Details 110'-0" Bridge	J40-10-25