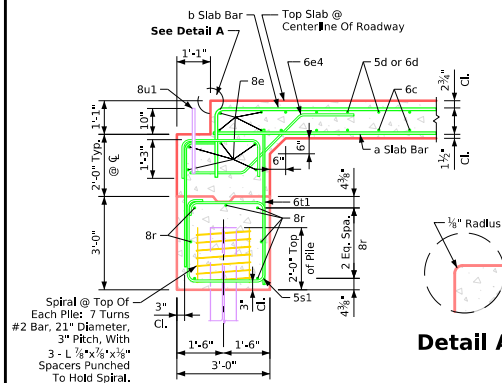
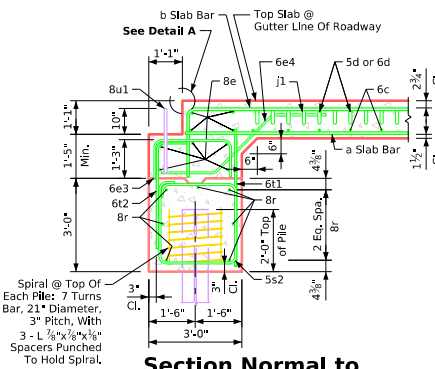


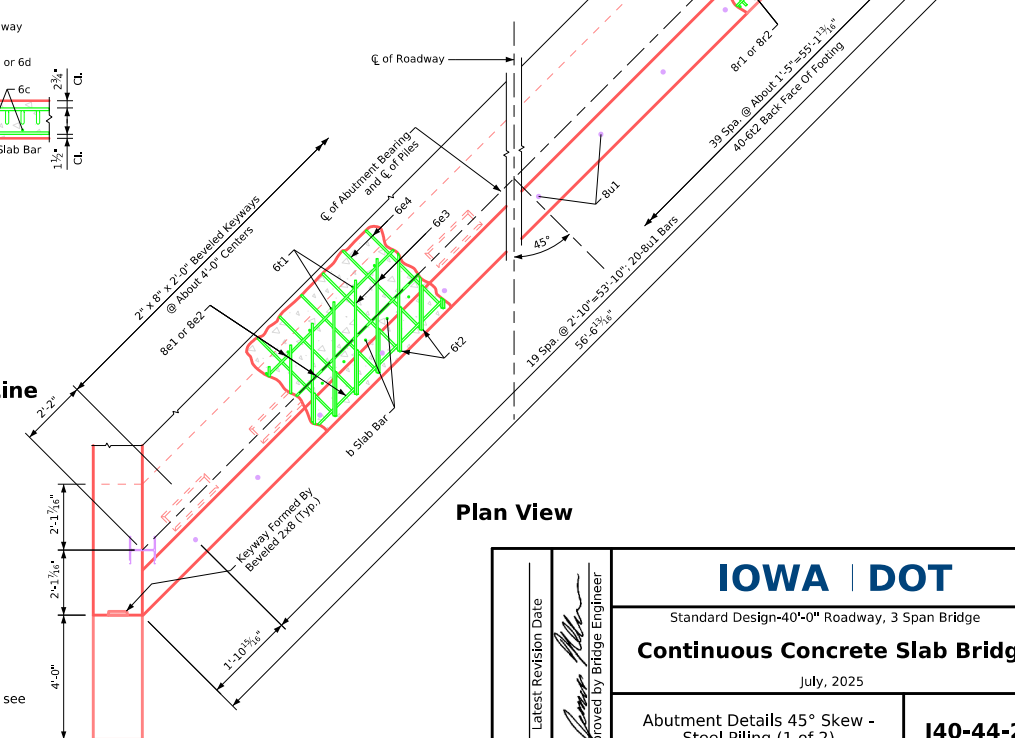
Note: The bottom of the footing is to be sloped to compensate for the grade on this skewed abutment. Therefore, bottom of footing elevations will be required at each exterior pile.



Section Normal to Abutment @ CL
(Bridge Lengths 70'-110')



Section Normal to Abutment @ Gutter Line



ABUTMENT NOTES:

- All piling are HP 10x42.
- The concrete and reinforcing steel for the wings is included with the superstructure.
- Details on this sheet are to be used only when abutments are placed on steel piles. If rock is encountered closer than 12'-0" below the abutment footing, special analysis may be required.
- The minimum clear distance from the face of the concrete to the nearest reinforcing bar is to be 2 inches unless otherwise noted or shown.
- Steel abutment piles shall be driven to full penetration if practicable, but in no case to a bearing value less than shown in the design plans.
- All reinforcing steel is to be Grade 60.
- Abutment piling was designed for HL-93 loading with an allowance for 20 lbs. per sq. ft. future wearing surface.

NOTES:

- Barrier rails and reinforcement not shown.
- Wing reinforcement not shown.
- 5s1 wing reinforcement shall be placed in the abutment footing before the footing is poured. For additional details, see Sheet J40-20-25.
- 6e3, 6e4, and 8e are included in the Superstructure Quantities for each individual bridge length.

Latest Revision Date	IOWA DOT	
	Standard Design-40'-0" Roadway, 3 Span Bridge	
	Continuous Concrete Slab Bridge	
Approved By Bridge Engineer	July, 2025	
	Abutment Details 45° Skew - Steel Piling (1 of 2)	J40-44-25