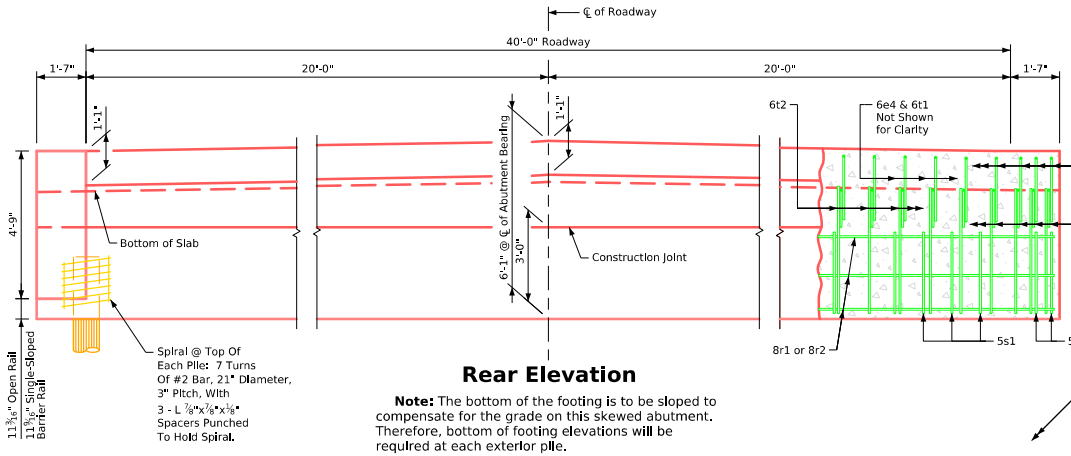
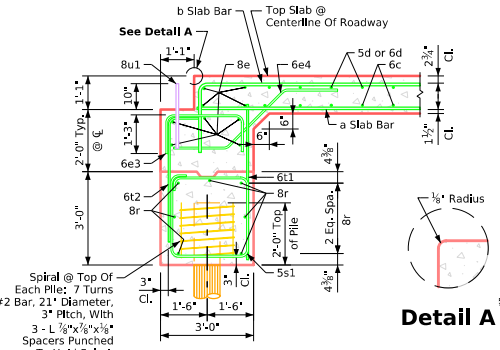


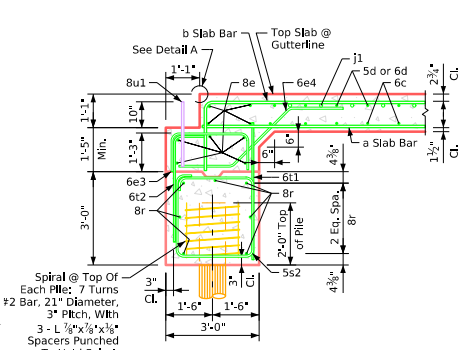
Rear Elevation

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.

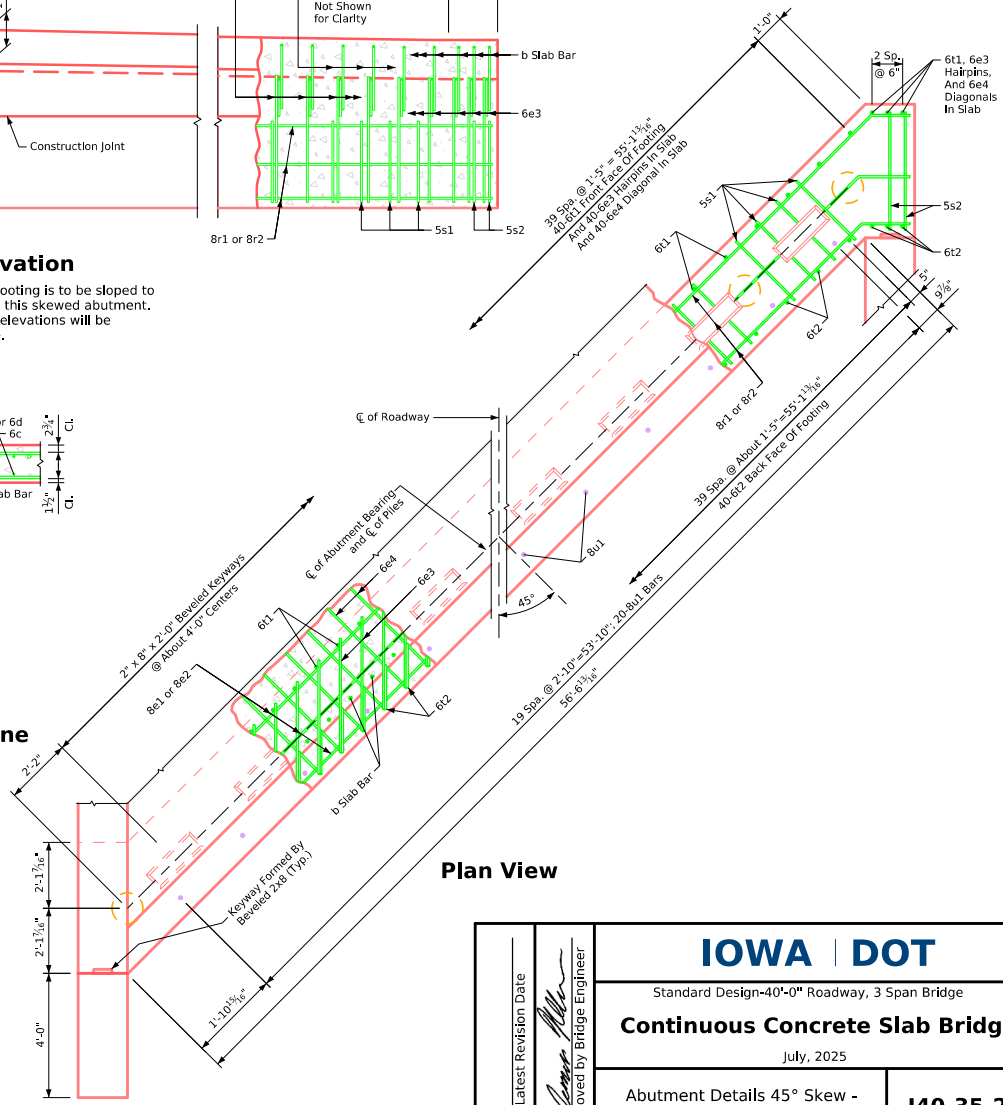


Section Normal to Abutment @ ℄

Detail A



Section Normal to Abutment @ Gutter Line



Plan View

ABUTMENT NOTES:

The concrete and reinforcing steel for the wings is included with the superstructure.

Details on this sheet apply only when abutments are placed on timber piles.

The minimum clear distance from the face of the concrete to the nearest reinforcing bar shall be 2 inches unless otherwise noted or shown.

Timber piles shall be driven to full penetration if practicable, but in no case to a bearing value less than specified in the design plans. Timber piles shall not be driven to more than 160 tons.

All reinforcing steel shall be Grade 60.

Abutment piling was designed for HL-93 loading with an allowance for a 20 lbs. per sq. ft. future wearing surface.

NOTES:

Barrier rails and reinforcement not shown.

Wing reinforcing not shown.

5n1 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 bars are included in the **Superstructure Quantities** for each individual bridge length.

Latest Revision Date

Approved by Bridge Engineer

IOWA | DOT

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

Continuous Concrete Slab Bridge

July, 2025

Abutment Details 45° Skew - Timber Piling (1 of 2)

J40-35-25