

**TUSCOLA BRIDGES – US 45, IDOT – DISTRICT 5  
CONSTRUCTION INSPECTION**



ESI provided construction inspection for the Illinois Department of Transportation for removal of two structures and placement of three proposed structures. An eleven span structure carrying US 45 over three rail lines was removed and replaced with two separate three span structures. Approximately 50,000 cubic yards of embankment was placed between the structures and on the approaches to provide a vertical grade change for US 45 to increase rail clearance. The structures were poured decks utilizing steel and precast (pre-stressed) concrete beams. US 45 were reconstructed with full depth HMA pavement. Extensive coordination was needed with the three railroad companies for the structure demolition and erection of the proposed beams. The existing structure carrying US 45 over US 36 was also replaced utilizing a three span precast beam design with a 5 inch concrete overlay. Night closures of US 36 were utilized during structure demolition and the placement of the new beams and wearing surface.

**Client:** Illinois Department of Transportation, District 5  
**Services Provided:** Construction Inspection and Documentation

This project reflects Firm  
and Staff experience.