



# INDIANA TOLL ROAD BRIDGES

## CHALLENGE

TEN BRIDGES ALONG THE INDIANA TOLL ROAD WERE IN NEED OF RECONSTRUCTION AND MAINTENANCE.

## SERVICES

- Bridge Design
- Construction Cost Estimates
- Contact Plans and Special Provisions
- Environmental Documentation
- Field Survey
- Needs Report

## INDIANA TOLL ROAD BRIDGES

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ms consultants performed the design for the rehabilitation of 10 mainline bridges on the Indiana Toll Road from milepost 119.08 to milepost 147.49 in eastern LaGrange and western Steuben Counties. The

toll road runs east and west across the entire northern portion on the state. The bridges included crossings over a river, state highways, interchange ramps and a railroad.

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### KEY ASPECTS OF THE PROJECT INCLUDED:

- Removal and replacement of existing bridge decks and beams down to the piers;
- New superstructures were made continuous, eliminating all joints over piers;
- All shoulders on bridges were widened to 10'-8";
- Where feasible, superstructures were widened without widening piers by lengthening or cantilevering pier caps;

- Upgraded guardrail / crash-walls beneath bridges;
  - Maintenance of traffic (MOT) on mainline bridges was provided via crossovers;
  - Increased substandard vertical clearance beneath mainline bridges over public roads; and,
  - Reconstructed accel/decel lanes at the Angola interchange and at a service plaza.
- Engineering services consisted of field survey, preparing needs reports, preparing contract plans and special provisions, preparing construction cost estimates and preparing environmental documentation.