



PROFESSIONAL CAPABILITIES

STRUCTURAL DESIGN

- Steel, Concrete, and Timber
- Fixed and Moveable
- Beam, Girder, and Truss Spans
- Temporary Supports for Bridge Change Outs
- Run-Around Structures
- Freight and Passenger Lines
- Signal Towers, Buildings, and Yards

INSPECTION & TESTING

- Rating
- Detailed Structural Inspection
- Photographic Documentation
- Professional Engineers and Trained Team Leaders
- Nondestructive Testing
- Fracture Critical Inspection
- Inventory Identification
- Computer Database Development for Inventory and Maintenance Scheduling

ENGINEERING EVALUATION

- Load Evaluations
- Cost Estimates for Repair
- Failure Investigation
- Repair and Rehabilitation Design
- Comprehensive Engineering Reports
- Maintenance and Repair Recommendations

Collins has an established record of providing a full line of engineering services to the railroad industry. Our considerable railroad engineering experience is reinforced by the background of several employees who have worked for the railroads. Additionally, Collins is very active within the railroad community, with staff members serving on AREMA Committees 8, 9, and 15. We promote the ongoing development of personnel and have an in-house training program in which state-of-the-art courses keep our employees current in railroad engineering, fall protection, and track safety.

Collins' railroad experience includes design and inspection for bridges of all types and materials, embankment and retaining structures, depots, trackage, and other railway related facilities. Collins' design experience also includes phased and temporary works that minimize disruption to rail traffic and keep trains moving.

COLLINS
ENGINEERS INC