



Railroad Structures



Bridge Inspection

Over 60 Years of Railroad Bridge Inspection and Repair Services.

Successful repair programs are founded on detailed bridge inspections. Key information regarding the physical and environmental aspects of each bridge must be evaluated to determine the best course of action. Foremost is the safe passage of rolling stock over a structure. Timber, concrete and steel all pose different physical characteristics that only an experienced inspector can recognize and evaluate.

Prioritized ranking of any noted defects, along with supporting information and pictures helps our customers' budget for future repairs while helping to fulfill State and Federal bridge inspection requirements. With our digital data base and accurate record keeping, we offer a safe and upgradeable repository for these sensitive records.



Bridge Inspection Services

- *Over 8,000 timber, concrete and steel bridges inspected annually.*
- *Inspections meet all FRA requirements and reports are compliant with CFR Title 49, Part 237 Bridge Safety Standards.*
- *Skilled individuals thoroughly trained in safety and inspection practices.*
- *An organized inventory of your bridges & members.*
- *Comprehensive list of repair recommendations (by bridge & by priority).*
- *Executive report that incorporates findings, detailed photos & drawings.*
- *Budget estimates for repairing higher priority concerns.*
- *Quick turnaround from inspection to final report delivery.*

Timber Bridge Inspection Techniques

- Perform a thorough visual inspection.
- Utilize hammer sounding & drilling methods.
- Pay attention to decay vulnerable areas, such as the groundline, waterline & brace bolt connections of piles.
- Sample stringers & caps at the drift pin areas & connection points.
- Probe drilled holes with a shell & void indicator to evaluate the amount of sound wood remaining.
- Plug inspection holes with a treated wooden dowel.
- Document visual observations along with the size & location of internal voids.
- Record & photograph defects noted during the inspection.

About Us

Koppers Railroad Structures is a turn-key provider of railroad bridge inspection, engineering, and repair services serving the North American Class I and Shortline Railroad market. With over 60 years of experience performing timber, steel, and concrete railroad bridge repairs, Koppers is a leader in the industry. Our experienced repair crews tackle jobs both large and small with the hands-on support of our in-house engineering staff. If heavier axle loads require evaluation of key bridge components, we can provide guidance along with bridge specific solutions.

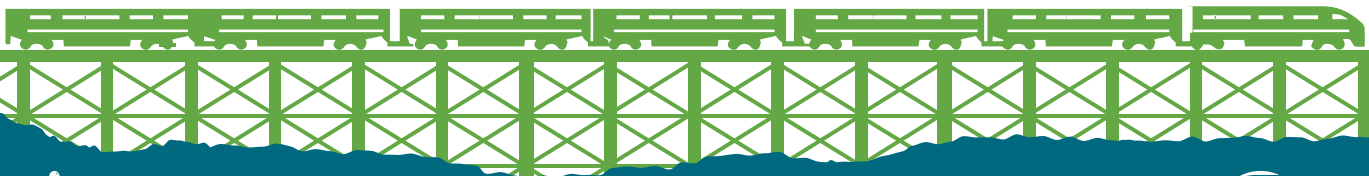


Visual Deficiencies



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