



INDIANA DEPARTMENT OF TRANSPORTATION

Bridge Inspection Memorandum No. 21-02

July 20, 2021

TO: All Inspection Personnel and Consultants

FROM: /s/ Andrew Fitzgerald, PTOE, PE
Andrew Fitzgerald
Bridge Inspection Manager
Bridge Management Division

SUBJECT: Revised Indiana Bridge Inspection Manual

REVISES: Supersedes Part 3: Load Rating

EFFECTIVE: Immediately

The Indiana Bridge Inspection Manual has been revised. It now consists of the following 9 parts.

- Part 1 Administration
- Part 2 Types of Inspections
- Part 3 Load Rating
- Part 4 QC/QA
- Part 5 Fatigue & Fracture Critical Inspections
- Part 6 Scour
- Part 7 Wearing Surfaces
- Part 8 Asbestos
- Part 9 Environmental Concerns
- Appendix

Sections Affected

Part 3: Load Rating

3-2.0 Reference Material – This section was updated adding the reference for Load Rating for the FAST Act Emergency Vehicles Ev-2 and Ev-3 (NCHRP Project 20-07/Task 410).

3-4.01 Design – This section was updated to include the requirement for rating and reporting the HL-93 vehicle at Design Inventory and Design Operating levels when load ratings are performed using Load and Resistance Factor Rating methodology.

3-4.02 Legal – This section was updated to provide guidance on the use of Load Rating for the FAST Act Emergency Vehicles Ev-2 and Ev-3 (NCHRP Project 20-07/Task 410).

3-5.01 Analytical – Portions of this section were moved to the applicable sections.

3-5.01(01) Load and Resistance Factor Rating (LRFR) – This section was updated to clarify INDOT's requirement to report all Legal load rating results.

3-5.01(02) Load Factor Rating (LFR) – This section was updated to clarify INDOT's requirement to report all Legal load rating results.

3-7.0 Documentation – This section was updated to include the reporting of load capacities for Design vehicles.

Appendix C: The sample Load Rating Summary Report has been replaced.

Appendix E: This appendix was added to supplement updates made to Section 3-4.02 providing for the use of NCHRP 20-01/Task 410 guidance on the application of live loads and LRFR and LFR load factors.