



INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue
Room N642
Indianapolis, Indiana 46204

PHONE: (317) 232-5474
inbridgeshelp@indot.IN.gov

Michael R. Pence, Governor
Karl B. Browning, Commissioner

Bridge Inspection Memorandum 14-02

FROM: /s/Merril Dougherty
Merril Dougherty
Bridge Inspection Manager
Bridge Division

TO: All Inspection Personnel, and Consultants

Date: 23 APRIL 2014

Re: Revisions to INDOT Bridge Inspection Manual

REVISES: *Indiana Bridge Inspection Manual* Part 1 Sections 2.4.10, and 3.4.3

EFFECTIVE: January 1, 2015

The revisions to the *Indiana Bridge Inspection Manual* were necessary due to the changes in FHWA oversight practices and changes in National Bridge Inspection Standards. The changes to the FHWA oversight practices were introduced in 2011. The new criterion defines 23 key metrics, each of which can be linked directly to requirements in the NBIS. These key metrics include inspection file records; determination of bridge load limits; qualifications of inspection personnel; procedures for underwater, fracture-critical, and complex bridge inspections; quality bridge data; and inspection frequency. Other areas that require increased attention are identifying scour critical bridges, implementing plans of actions for these structures, and establishing documented load ratings for all bridges.

The following links provide additional information on the legislated changes and FHWA oversight practices.

<http://flh.fhwa.dot.gov/programs/fabs/documents/2013-metrics.pdf>

<http://www.fhwa.dot.gov/map21/summaryinfo.cfm>

<http://www.fhwa.dot.gov/map21/>

The following outline provides clarification of the changes made in each of the manual sections.

Subsection 2.4.10 Divers

- OSHA has determined that underwater bridge inspection is commercial diving
- All divers shall have completed training accredited by the Association of Commercial Diving Educators to the appropriate level or documented evidence that the divers training meets the requirements specified by the national consensus standard published by the American National Standards Institute (ANSI) and the Association of Commercial Diving Educators (ACDE) (i.e. ANSI / ACDE-01-2009, American National Standard for Divers – Commercial Diver Training – Minimum Standard).
- All divers shall have certification proving successful completion of the Underwater Bridge Inspection course (FHWA-NHI-130091). All proof of training and certifications must be on file with the INDOT Bridge Inspection Unit.

Subsection 3.4.3 Inspection Frequency

Bridges with a rating of 4 or less for the deck, superstructure, substructure, or culvert rating shall have a reduced interval between Routine Inspections. A maximum inspection interval of 12 months will be used.