

# Ohio Department of Transportation **Manual of Bridge Inspection**



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## 2014 Revision

The 2014 Manual of Bridge Inspection Revision was written to accommodate significant, fundamental changes in National Regulations, National Quality Assurance Procedures and State policies. The most notable changes in the inspection program since the 2010 include:

- Federal Element Level requirement in **MAP-21**, 2012 converting Ohio's 1-4 Individual components into National Bridge Elements (NBE), Bridge Management Elements (BME) and Agency Developed Elements (ADE)
- Federal Highway Agency's **23 Metric** Quality Assurance protocol, 2011 with revisions in 2012 and 2013
- Introduction of Ohio's new **Structure Management System** (SMS), 2014
- Revisions to the following **manuals**:
  - AASHTO Manual for Bridge Evaluation and its reference in the National Bridge Inspection Standards, 2010, 2013
  - AASHTO Element Level Manual, 2011, 2013
  - FHWA Bridge Inspectors Reference Manual, 2012
  - Ohio Manual of Uniform Traffic Control Devices (OMUTCD), 2012

The notable changes include the reorganization of the administrative chapters and a consolidation of the prescriptive condition rating and condition state charts. Also, Element Level inspection requirements on the NBIS National Highway System introduced *not* a new way to inspect bridges but a more rigorous way to collect inspection and inventory data. In order to keep two systems of inspection consistent with one-another and in order to incorporate the element level quantities users of this revision will notice new, revised and redefined inspection items. Changes to the BR-86, now called simply the Field Report, can be found in Chapter 7 and in the Appendix.

The Working Group for the 2014 Manual of Bridge Inspection Revision consisted of FHWA, ODOT, CEAO and consultant stakeholders.

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