



## NEW COUNTY ROAD AGENCY GUIDELINES

# Bridge Project Quality Control (QC) and Quality Assurance (QA) Certification



**To uphold rigorous new national bridge safety standards implemented by the Federal Highway Administration (FHWA) after the 2007 catastrophic Minnesota bridge failure, beginning June 1, 2016, Project Grade Inspections on new bridges will require a new level of QC/QA certification.**

**After working with CRA's engineering committee, MDOT has released a QC/QA certification form that agencies will be required to submit with all bridge plans submitted after June 1, 2016.**

### New costs

If the Project Grade Inspection for your project falls after June 1, 2016, local road agencies are advised to secure an independent quality assurance licensed engineer to certify that the bridge design was reviewed.

For more information, visit [tinyurl.com/BridgeQCQA](http://tinyurl.com/BridgeQCQA).

## QA

**Quality Assurance (QA) certification on new bridges must include:**

- Independent check of design calculations, unique special provisions by a qualified person or consultant other than the designer.
- Participation in field engineering reviews during design.

## QC

**Quality Control (QC) certification on new bridges must include:**

- A supervisor or team leader responsible for determining the technical knowledge and experience of the designer/checker for a specific design.
- A documented program with detailed procedures, standards and policies for oversight of the bridge design.
- Design calculations, checked calculations, review comments and other pertinent documents.
- Bridge plan sheets including the names or initials of the designer and checker, as well as the most current revision date. Names of the drafter and reviewer must also be added to the plans. Bridge design plans must be signed and sealed by a Licensed Professional Engineer in the State of Michigan.
- Unique special provisions must include the author's and reviewer's initials and date authored and checked.

**For more information contact:**

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