

**DOTD FEDERAL AID OFF-SYSTEM HIGHWAY BRIDGE PROGRAM**

# **COMPLIANCE**

**2021 LPESA**

**SPRING CONFERENCE**

**BATON ROUGE**

**MAY 27, 2021**



► Contact Information:

- Barbara Ostuno, P.E.
  - Off-System Bridge Program Manager
  - [barbara.ostuno@la.gov](mailto:barbara.ostuno@la.gov)
  
- Ahmed Mustaque, E.I.
  - Assistant Off-System Bridge Program Manager
  - [ahmed.mustaque@la.gov](mailto:ahmed.mustaque@la.gov)
  
- Ryan Rodney, B.S.C.M., MBA
  - [ryan.rodney@la.gov](mailto:ryan.rodney@la.gov)



- ▶ 12,675 Total Bridges in Louisiana
- ▶ 4,747 Off-System or ~ 37%
- ▶ Parish or City owned bridges must be inspected and maintained as per Louisiana Revised Statute 48:35 and as required by 23 CFR 650.301 of the NBIS and the *AASHTO MBE*.



64 Parishes in Louisiana

62 Participate in the DOTD Off-System Bridge Program

**43 Parishes are in Compliance**

4 Parishes are in Substantial Compliance

**13 Parishes are in Conditional Compliance**

**3 Parishes are in Non-Compliance**



# Criteria to Participate in the DOTD Federal-Aid Highway Off-System Bridge Program

## I. Intergovernmental Agreement

Renewed every 10 years

Projects – DOTD/Parish Responsibilities

## II. Compliance

Annual Certification of Compliance

Resolution



# Annual Certification of Compliance Resolution

- ▶ Inspections were performed on all Parish owned bridges in accordance with the NBIS
- ▶ All Parish bridges structurally analyzed – load rating as per AASHTO Manual for Maintenance Inspection of Bridges
- ▶ All bridges that require load posting or closing are posted or closed as per DOTD EDSM No. 1.1.1.8
- ▶ The list of all bridges owned or maintained by the Parish are submitted to DOTD in appropriate format



- **NON-STATE MAINTAINED HIGHWAY SYSTEM (OFF-SYSTEM)**

The responsibility for implementing weight limits for structurally deficient bridges on public roads which are not on the State maintained highway system (off-system) shall rest with the owner. The owner is responsible to implement procedures of routine review of weight limit requirements and establish weight limits on structurally deficient bridges within the policy of this directive. The compliance to the terms of this directive is subject to audit by the District Bridge Engineer. The weight limits shall be reported to the Bridge Maintenance Section quarterly for reviewing in accordance with Maintenance Directive #5.

EDSM I.1.1.8





# Bridges & Structures

| Structures  | Geotech           | Hydraulics        | Safety and Management |                   |                 |
|-------------|-------------------|-------------------|-----------------------|-------------------|-----------------|
|             | Bridge Inspection | Tunnel Inspection | Bridge Preservation   | Bridge Management | Bridge Programs |
| Load Rating | NBIS              | NBI               |                       |                   |                 |

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## National Bridge Inspection Standards

### Regulations

- [National Bridge Inspections Standards Regulation \(NBIS\)](#) December 14, 2004 (.pdf)
  - [2009 Final Rule](#) (.pdf) (Revision to 2004 NBIS)

### Policy

- [National Bridge Inspection Standards Review Process: Notice](#)

### Guidance

- [Timeframe for Installing Load Posting Signs at Bridges](#)
- [Underwater Inspection of Bridge Substructures Using Imaging Technology](#) (06/14/2018)
- [Risk-Based Interval Determination for Routine Bridge Inspections](#) (06/08/2018)
- [Guidance for Plans of Corrective Action](#) (01/03/2017)
- [Inspection of Bridges and Tunnels on Transit Highway](#) (08/23/2016)
- [23 CFR 650c Non-Regulatory Supplement Compliance with the National Bridge Inspection Standards](#) (09/30/1992)
- [Bridge Load Ratings for the National Bridge Inventory](#) (10/30/2006)
- [Funding for Bridge Inspection Equipment and Access Features](#) (10/05/05)
- [Technical Advisory T5140.21 Revisions to the National Bridge Inspection Standards \(NBIS\)](#) (09/16/1988)

### Information

- [Bridge Inspector's Reference Manual \(BIRM\)](#) (.pdf, 153 mb)
- [Federal-aid Program Overview: National Bridge Inspection Standards Video](#)
- [National Bridge Inventory](#) (NBI)
- [Questions and Answers on National Bridge Inspection Standards](#)
- [Recommended Framework for a Bridge Inspection QC/QA Program](#)
- [Underwater Bridge Inspection Manual](#) (.pdf, 10 mb)
- [Underwater Bridge Repair, Rehabilitation, and Countermeasures Manual](#) (.pdf, 7 mb)





- ▶ National Bridge inspection Standards (NBIS)
  - Requires inspection of all publicly owned highway bridges >20 feet long
  - State DOTs are ultimately responsible for ensuring compliance with NBIS.
  - ALL BRIDGE OWNERS ARE RESPONSIBLE FOR UNDERSTANDING AND COMPLYING WITH THE NBIS REQUIREMENTS!



- ▶ NBIS establishes...
- The minimum qualifications for inspection personnel
- Identifies which bridges to inspect
- Defines the information to be collected and reported as part of the inspection process
- The bridge inspection schedule



- ▶ Local Bridge owners are responsible for...
- Special/Interim Inspections
- Damage Inspections
  - Accidents
  - Natural Disasters
- Bridge Rating and Posting




# More Mississippi bridges added to list; counties get 24 hours to begin closures

BY KENDRA ABLAZA  APRIL 11, 2018

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Zachary Oren Smith, Mississippi Today

This 2016 photo shows a bridge over the Coldwater River in Tate County that was closed by MDOT due to its high degree of decay.

The number of city and county bridges the Mississippi Department of Transportation are ordered to close increased from 83 to 102 as of Wednesday, according to the Mississippi Department of Transportation and Mississippi Office of State Aid Road Construction documents.





<https://mississippitoday.org/2018/12/10/over-500-mississippi-bridges-now-closed-more-likely-under-new-federal-standards/>

## Over 500 Mississippi bridges now closed; more likely under new federal standards

By Alex Rozier Mississippi Today Dec 10, 2018



An Amite County bridge closed by the state earlier this year.

R.L. Nave, Mississippi Today



# Parish Issues regarding Compliance

- ▶ New Inspectors/supervisors
- ▶ Trouble uploading data
- ▶ Under pressure to open repaired bridge prior to load rating
- ▶ Farm machinery taking out posted signs
- ▶ Working remotely/computer issues
- ▶ The bridge was programmed for replacement
- ▶ ???

