

**EPG 753.1: MoDOT NBIS Organization and Responsibilities****EPG 753.1.1: Inventory, Inspection, and Load Rating**

The following subsections define the organization and responsibilities for the bridge inspection program in Missouri. Additionally, the responsibilities for inventorying structures on the National Bridge Inventory (NBI) and the responsibilities for load rating structures are defined in this section. This information is being provided in accordance with the requirements defined in *23 CFR 650 Subpart C—National Bridge Inspection Standards (NBIS)*.

**EPG 753.1.1.1: Program Manager**

The Program Manager will be responsible for setting statewide policies and procedures for the inventory, inspection, and load rating of bridges and culverts that are part of the NBI. The Bridge Management Engineer in Bridge Division will serve as the Program Manager over all bridge and culvert inspections in Missouri. In the absence of the Bridge Management Engineer, the Supervising Bridge Inspection Engineer in Bridge Division will serve in the capacity of the Program Manager. In the absence of the Bridge Management Engineer and the Supervising Bridge Inspection Engineer, the State Bridge Engineer may appoint a qualified person to serve as the Program Manager for Missouri on an interim basis. The Program Manager shall be a registered professional engineer in the State of Missouri and shall meet the requirements to be Team Leader certified as discussed in EPG 753.4.

**EPG 753.1.1.2: Load Rating Engineer**

The Load Rating Engineer will be responsible for the general oversight of load rating issues on bridges and culverts. The Bridge Rating and Inventory Engineer and Structural Project Management Engineer in Bridge Division will serve as the primary Load Rating Engineers for the State of Missouri. In the absence of the Bridge Rating and Inventory Engineer and the Structural Project Management Engineer, the Bridge Management Engineer in Bridge Division will serve in the capacity of the primary Load Rating Engineer. Other engineers within MoDOT may be delegated tasks related to oversight of load ratings as directed by the Bridge Management Engineer or the State Bridge Engineer. The primary Load Rating Engineer and others acting in a similar capacity shall be registered professional engineers in the State of Missouri.

**EPG 753.1.1.3: Inspection Responsibilities**

Bridge Division will be responsible for general oversight of the bridge and culvert inspection program in Missouri. This will include setting policy, maintaining the Bridge Inspection Rating Manual (BIRM), providing training, providing quality-control/quality-assurance checks, developing and maintaining standardized reports, and statewide coordination for the inspection program as well as managing any consultant contracts

utilized by MoDOT for inspection related services. The primary responsibilities for this oversight will rest with the Bridge Management Engineer and the Supervising Bridge Inspection Engineer. Bridge Division will also be responsible for the inspections that are completed using Under Bridge Inspection (UBI) units, underwater dive equipment, and other specialized equipment not readily available in the districts. The UBI crews and equipment as well as the dive inspection team and equipment will be managed and operated from the Bridge Division with assistance from district personnel as requested or needed during the inspection process.

Districts will be responsible for ensuring that inspections and data updates are completed in a timely manner for all bridges and culverts that are inventoried and inspected in the district. This will include MoDOT owned structures and nonstate structures that are part of the NBI as well as other MoDOT owned structures that are inventoried for any reason. District personnel will be required to assist as needed, including data entry, on inspections that are being performed by Bridge Division because of the need for the use of specialized equipment. The District Bridge Engineer will be responsible for overseeing the inspection program within each district and will use other full time and part time resources in the district, as appropriate, to complete inspections and data entry as required to ensure compliance with NBIS regulations.

In some areas of the state, local agencies have taken on the responsibility of completing inspections on their structures in accordance with NBIS regulations. The local agency will be responsible for getting the inspections completed and the data updated in MoDOT's inventory system in a timely manner. The District Bridge Engineer for the district the local agency is located in will serve as the primary point of contact at MoDOT for the local agency on inspection related matters. The District Bridge Engineer will be responsible for communicating with the local agency during the inspection cycle to provide guidance and to ensure that they are working on the inspections and are on track to get everything done in a timely manner. Local agencies doing bridge inspections are required to submit a plan for completing their inspections to MoDOT for review and approval by the Bridge Management Engineer during each inspection cycle. Currently, there are four local agencies performing bridge inspections in Missouri: Kansas City, Greene County, St. Louis County, and St. Louis City.

#### **EPG 753.1.1.3.1: State System Structures**

The Supervising Bridge Inspection Engineer will serve as the primary point of contact within Bridge Division for all inspection related issues on MoDOT owned structures. Questions from the districts on MoDOT owned structures should be directed to this engineer. This engineer will also be responsible for overseeing Bridge Division personnel involved in underwater, fracture critical, special, and in-depth inspections. This engineer or the Bridge Management Engineer will be responsible for overseeing statewide consultant contracts that may be initiated for various inspection services on structures owned by MoDOT. In some cases, a bridge inspection may be performed by a consultant as part of the engineering work for a rehabilitation project on a large structure.

When a bridge inspection is included as part of the engineering work on a bridge project, one of the Structural Liaison Engineers or a Project Manager in Bridge Division may oversee the contract and coordinate with the Bridge Management Engineer or Supervising Bridge Inspection Engineer to ensure compliance with NBIS requirements.

#### **EPG 753.1.1.3.2: Nonstate System Structures**

The Bridge Management Engineer will serve as the primary point of contact within Bridge Division for all inspection related issues on nonstate structures. Questions from the districts on nonstate structures should be directed to this engineer. This engineer will also be responsible for overseeing statewide consultant contracts with MoDOT for underwater, fracture critical, special, and in-depth inspections on locally owned structures. When warranted, the Supervising Bridge Inspection Engineer may assist in the administration of these consultant contracts.

#### **EPG 753.1.1.4: Load Rating Responsibilities**

Bridge Division will be responsible for the completion of load ratings on MoDOT structures. For locally owned structures, Bridge Division will maintain the information needed for load posting and NBI reporting purposes and on a limited basis will provide some load ratings analysis for routine structures whenever local agencies are not capable of providing this information. Local agencies that have engineering staff capable of providing load rating and posting recommendations for their structures will be expected to provide information to MoDOT that is sufficient enough to comply with NBIS requirements and the requirements in EPG 753.15—Load Rating Policy.

#### **EPG 753.1.1.5: Bridge Inventorizing Responsibilities**

Bridge Division will be responsible for maintaining the National Bridge Inventory database system at MoDOT, which includes the data for all state owned and locally owned structures that are required to be inventoried and reported on the NBI. Required inventory data for state structures will be added/updated by Bridge Division as the structures go through the normal letting process. For locally owned structures, inventory data will be added/updated by Bridge Division as the information becomes available either from plans developed through the local agency or through field measurement and data collection by the bridge inspectors. Data updates that result from conditions observed during the inspection process, including documentation of any repair work that may have been completed, will be the responsibility of the districts and the local agencies that perform inspections.

Local agencies or consultants working on projects for local agencies that have plans, specifications, load ratings, and structure inventory and appraisal datasheets that are not part of a federally funded project are strongly encouraged to submit this information to MoDOT for use in keeping NBI data current. This information may be emailed to the following address: [BRINV@modot.mo.gov](mailto:BRINV@modot.mo.gov).