NBIS Update

Bridge Management Section – NBIS Proposed Changes

Brian Zakrzewski, PE
NBI Program Manager
MDOT Bureau of Bridges and Structures
Who We Are:

NBIS Program

- Load Rating Program
- Inspection Program
- Inventory and Management System
Load Rating Program

Creightyn McMunn, PE
Load Rating Program Manager

4 - Load Rating Engineers
1 - Load Rating Technician
1 - Student Assistant
Structure Inspection Program

Allie Nadjian, PE
Structure Inspection Program Manager

3 Engineer Specialists
- Statewide Fracture Critical
- Statewide Large Deck/Fatigue Sensitive
- Statewide Scour
Structure Inventory

3 Inventory Engineers
- Management Systems
- Local Agency Contact
- SQL Query

1 Data Analyst
Proposed Changes to the NBIS

Review of Proposed Changes to the National Bridge Inspection Standards (NBIS)
Global Changes

- Bridges Included
- New Definitions
- Align with NTIS
- Units

650.303 Applicability

- Include private owned bridges that are connected to a public road on both sides of the bridge
- Include tribally owned bridges

Source: Michael Baker International
Inspection Procedures

650.313 Inspection Procedures

- 650.313(i), (j), (k) Load Rating, Load Posting, Closed Bridges
  - Load rate within 3 months of initial inspection and when changes warrant re-rating
  - Load rate for routine and special permit loads
  - Load post within 30 days of valid load rating or awareness of need
  - Develop and document criteria for when a bridge is to be closed

Changes to:
- Post Construction
- Underwater Insp.
- NSTM Inspections
- Load Rating
- Critical Findings
- Inspection Date
Inspector Qualifications

Changes to:
- Team Leader
- Refresher Training
- NSTM Training
- Underwater Training

And:
- MDOT Practical Exam

650.309 Qualifications of Personnel

- Team leaders for nonredundant steel tension member (NSTM) inspections must have NSTM inspection training
- Underwater divers must have underwater bridge inspection training
Inventory Changes

650.315 Inventory

- Data reported in accordance with Specifications for the National Bridge Inventory
- Data must be updated within three months of field portion of inspection is completed
- Establish and document a process that ensures the timeframes are met

Changes to:
- Reference Docs
- Timeframes
- Management
Reference Docs

- MBE
- MBEIM
- SNBI
- SNBI (elements)
What's next?

- Comments Sent
- Signature
- Publish
- Implementation
QUESTIONS?

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(517) 243-9473
zakrzewskib@Michigan.gov