Updating the MBE

State Bridge Engineer Meeting, June 2014
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MBE Table of Contents

- Section 1, Introduction
- Section 2, Bridge Files and Documentation
- Section 3, Bridge Management Systems
- Section 4, Inspection
- Section 5, Materials Testing
- Section 6, Load Rating
- Section 7, Fatigue Evaluation of Steel Bridges
- Section 8, Nondestructive Load testing
- Appendix A, Illustrative Examples
The MBE is incorporated by reference into 23 CFR 650 Subpart C (NBIS)

Sections 1, 2, 3, and 4 will be revised and reorganized to provide specific guidance and best practices that are considered to be required under the NBIS regulations.

These sections will be separated into “Provisions to Support the NBIS” and “Supplemental….” which will be considered by FHWA as non-regulatory.

Reorganization of Sections 1 and 2 have been balloted and approved (2013).

Sections 6A (LRFR) and 6B (LFR) will remain as the required specification in which load rating is performed. Technical ballot items are proposed every year for the Section 6.
Proposed Strategy

- T-18 is discussing a complete non-technical overhaul of Section 6 is being considered by T-18 for approval by the SCOBS Executive Committee.
- Sections 7 and 8 are non-regulatory but will eventually be updated. (A revised Section 7 is up for ballot this year)
- A revised Section 4 and will be submitted for ballot in 2015. T-18 is proposing a contract to accomplish this effort.
Proposed Outline

- 4.0 INTRODUCTION
- 4.1 PROVISIONS TO SUPPORT THE NBIS
  - 4.1.1 TYPES
  - 4.1.2 INSPECTION INTERVALS
  - 4.1.3 INSPECTION PROCEDURES
- 4.2 SUPPLEMENTAL BEST PRACTICES
  - 4.2.1 GENERAL
  - 4.2.2 SAFETY & EQUIPMENT
  - 4.2.3 PLANNING & SCHEDULING
Thank you for your attention

Questions?