

ACEC Meeting

Andrew Fitzgerald, PE

Presenting

Online

July 30, 2021

Outline

- BIAS Changes
- 2-Week NHI Course
- Load Rating
- Metric 23 Overview
- IPs/PCA update
- LPA Situation
- Compliance Month
- Other Discussions



BIAS Changes/ Update- Sharon, Bill, and Tony

- REMINDER: all inspectors ensure that you add fracture critical inspections to the report process (don't just add it in the files)
- This is a FED review item. Thanks

NHI 2 Week Bridge Inspection Course

- INDOT will be hosting the two-week NHI Bridge Inspection of In-Service Bridges training – Class # 130055, from August 23rd through September 3rd, in Indianapolis, at our Traffic Management Center at 8620 East 21st Street, Indianapolis, IN 46219, near the I-70 and Post Road Exit.
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- Class participants will have until August 10th to verify that you will be attending, at which time your name will be sent to the NHI to be registered and billed. After August 10th, any open seats will be made available to others. If we have more demand than seats available, we may have to limit the number attendees from any one particular firm.
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- Once the NHI assigns instructors, we will pass along further information about starting time on August 23 and other class necessities.
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- **All persons taking the class must take and pass the prerequisite class (# 130101A). A certificate for the two-week class will not be provided without the prerequisite.**

NHI 2 Week Bridge Inspection Course

- **Engineers should be able to take and pass this web-based class ahead of time and provide INDOT (Shari Street) and the Instructors a copy of your training certificate for the prerequisite class on or before August 23rd. The required certificate should be emailed in a pdf format along with your name **(as shown on the NHI certificate)**, phone number, email address and mailing address for each class participant to SStreet@indot.IN.gov . I will place the certificate in your BIAS file to ensure the requirements have been met.
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- **For Non-Engineers, you can take the web-based class after the first three days of the two week class and you should be able to pass that class and print out a certificate, since the course material should cover the same information that is in the prerequisite class.
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- [National Highway Institute : Course Description for Prerequisite Assessment for Safety Inspection of In-Service Bridges - WEB-BASED - FHWA-NHI-130101A \(dot.gov\)](#)

Load Rating-Sean Hankins

Updates to INDOT Bridge Inspection Manual Part 3: Load Rating

- Metric 13 Improvement Plan Updates
 - Report HL93 Design Inventory & Design Operating LRFR Rating Factors when NBIS Items 63 & 65 (Rating Method) = 3 (LRFR)
 - Ratings reported using LF, AS or EJ should not require updates.
 - All counties are impacted.
 - 3,484 total LPA bridges are reported as using LRFR methodology.
 - 2,626 with BrR models.
 - 858 rated using other applications (CANDE/Mathcad/Excel/TBAR/etc).
 - Sample of effort required to produce BrR updates.
 - Submittal requirements: Mass import into BRADIN by consultant.
 - Timing of updates to bridge inventory contracts to capture the effort required.
- NCHRP Guidance for FAST Act Ev-2 & Ev-3 Vehicles (Potential to improve Ev-3 ratings for bridges on routes with low truck traffic.)

Metric 23 Overview

- Overall good- needs improvements
- LPA related: 6,7,11, and 21
- Substantial Compliance- 6,7,11
- Non-compliance- 21

06 - Inspection Frequency - Routine - Lower Risk Bridges	SC	Int	SC
11 - Inspection Frequency - Frequency Criteria	SC	Int	SC
21 - Inspection Procedures - Critical Findings	SC	Int	NC

State Name:	Metric Number	Prior Year	Assess. Level	Dec 31 Compl.	Mar 31 Compl.
Indiana					
01 - Bridge Inspection Organization	C	Min	C		
02 - Qualifications of Personnel - Program Manager	C	Min	C		
03 - Qualifications of Personnel - Team Leader(s)	C	Min	C		
04 - Qualifications of Personnel - Load Rating Engineer	C	Min	C		
05 - Qualifications of Personnel - UW Bridge Inspection Di	C	Min	C		
06 - Inspection Frequency - Routine - Lower Risk Bridges	SC	Int	SC		
07 - Inspection Frequency - Routine - Higher Risk Bridges	SC	Int	SC		
08 - Inspection Frequency - Underwater - Lower Risk Bridg	C	Min	C		
09 - Inspection Frequency - Underwater - Higher Risk Brid	C	Min	C		
10 - Inspection Frequency - Fracture Critical Member	SC	Int	C		
11 - Inspection Frequency - Frequency Criteria	SC	Int	SC		
12 - Inspection Procedures - Quality Inspections	C	Min	C		
13 - Inspection Procedures - Load Rating	CC	Int	CC		
14 - Inspection Procedures - Post or Restrict	C	Min	C		
15 - Inspection Procedures - Bridge Files	CC	Min	CC		
16 - Inspection Procedures - Fracture Critical Members	CC	Min	CC		
17 - Inspection Procedures - Underwater	C	Min	C		
18 - Inspection Procedures - Scour Critical Bridges	CC	Min	CC		
19 - Inspection Procedures - Complex Bridges	C	Min	C		
20 - Inspection Procedures - QC/QA	C	Int	C		
21 - Inspection Procedures - Critical Findings	SC	Int	NC		
22 - Inventory - Prepare and Maintain	C	Min	C		
23 - Inventory - Timely Updating of Data	C	Min	C		

Metric 23 Overview

- Bridge Metrics 7, 11, 12, & 13 - IP's (Improvement Plans)
- Bridge Metric 21- PCA (Plan of Corrective Action)
- Tunnel Metrics 11 & 12 – IP's
 - Had meeting with Indianapolis



Potential Training Later for 2021

- Previously Discussed: NHI 2 Wk Course
 - Dates: August 23- September 3rd
 - Location: TMC, Indianapolis
 - Seats: 30
- Proposed for 2021 NHI Courses:
 - S-Brite (Fracture Critical)- TBD
 - Workshop- TBD

LPA Situation- Team

- Please be aware that Stephanie has moved on to another position in another agency
- Maricar Gonzales is acting in this position
- This position is posted



Other discussions

- There has been several changes at INDOT as we return to our offices
- Next Meeting: Recommend November 19th , 2021 (TBD Online or in-person)
- It has been great working with you all! I have taken another position at INDOT and Tony is acting until filled.

