

ACEC Meeting

Andrew Fitzgerald, PE

Presenting

Online

January 29th , 2021

Outline

- INDOT Bridge Workshop II and NHI Feedback
- Potential Training Later for 2021
- Metric 23 Overview
- LPA Contracts
- Additional Consultant Discussion
- Webpage Discussion
- Bridge Inspection Manual Revisions
- TEAM LEADER Qualifications
- Other Discussions



INDOT Bridge Workshop II and NHI Feedback

- **Feedback Please for both NHI Refresher and 2021 Workshop**
- **2021 Bridge Inspection Workshop live online:**
 - Was on Friday morning and conducted: January 22, 2021
 - 3 PDHs and approximately 170 participants
 - Bridge Inspection Manual session (2 PDHs)
 - FHWA Metric Review session (1 PDH)
 - Certificates- Talent Management (soon)
- **December's NHI Refresher Course**
 - 30 participants (Max)
 - Was Online



Potential Training Later for 2021

- Recommendations please
 - BIAS Topics
 - Text Bridge virtual
 - Critical Findings
 - Load Rating (BRADIN)
 - Hydraulics
 - Bridge Asset Management
- Next Workshop 2021: TBD
- Proposed for 2021 NHI Courses:
 - NBI 2 week course— Possible in the Spring
 - S-Brite (Fracture Critical)

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		

LPA Contracts

- Two Year Contracts for 2021-2024 Cycle Year

	Current Breakdown					Proposed Breakdown			
Contract Year	Year 1	Year 2	Year 3	Year 4		Year 1	Year 2	Year 3	Year 4
# of Counties Contract Due	15	6	21	50		15	26	21	30

- LPA Bridge Inspection Survey
- Advance NTP

1. Enter County Name

[More Details](#)

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Responses

Latest Responses

"Jasper County"

"Gibson"

"Dubois"

2. Is your county willing to execute a 2-year contract for cycle years 2022-2025?

[More Details](#)

Yes	23
No	22
Maybe	32



3. Is your county willing to participate in a District-wide Bridge Inspection Contract? The state will manage your county bridge inspections in a district-wide contract, and counties will still be required to contribute 20%.

[More Details](#)

Yes	17
No	36
Maybe	25



LPA Contract Projected RFP Schedule 2022-2025

Advertise RFP	February	March	April	May	June	July
Compliance Month	February & March	April & May	June	July & August	September	October
	CLARK	FULTON	FOUNTAIN	ELKHART	CLAY	DEKALB
	FLOYD	MONTGOMERY	HANCOCK	JASPER	PULASKI	DELAWARE
	KOSCIUSKO	CLINTON	LAWRENCE	HARRISON	NEWTON	FRANKLIN
	MONROE	WAYNE		MORGAN	MADISON	BLACKFORD
	WHITLEY	POSEY		LAKE	TIPPECANOE	MARSHALL
	GIBSON	ORANGE		SPENCER		VANDERBURGH
	DUBOIS	PORTER		JOHNSON		RIPLEY
		WABASH		WASHINGTON		STARKE
		HENDRICKS		MARION		WHITE
		SWITZERLAND				HOWARD
		BARTHOLOMEW				JEFFERSON
		ADAMS				OWEN
		ALLEN				TIPTON



ACEC-INDOT Bridge Inspection Committee Members

Andrew Fitzgerald, INDOT - Chair

Scott Minnich, United Consulting – Vice Chair

Jonathan Olson, BF&S – Secretary

Stephanie Moore, INDOT

Bill Dittrich, INDOT

Tony Marino, INDOT

Jennifer Hart, INDOT

Randy Strain, INDOT

Adam Post, INDOT

Jose Ortiz, FHWA

Stewart Kline, IACHES (Tippecanoe County)

Michael Vereb, Lochmueller Group

John Lukac, BLN

Timothy Barkey, IACHES (Adams County)

Bobby Chandler, Clark Dietz

Rob Coop, USI Consultants

Pat Connor, LTAP



Additional Consultant Discussion (1/29/21)

- **Potential Consultants:**

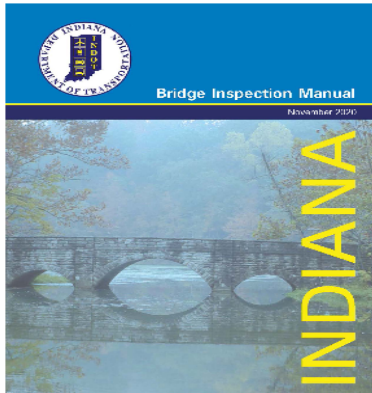
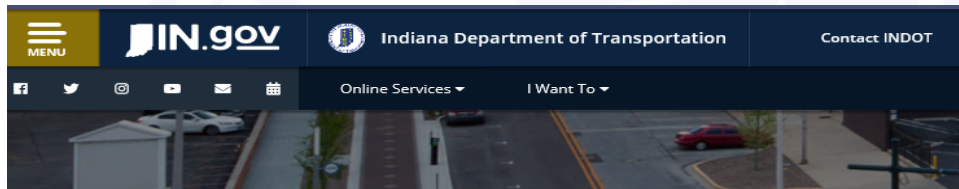
- American Structurepoint
- Janssen & Spaans Engineering
- VS Engineering
- RQAW
- SJCA

- **Need to send out application**

- **Al Wessling of BLN needs to voted on: he will be present**



Webpage- Location of Bridge Inspection Manual



Part 1:[Administration](#)
Part 2:[Types of Inspections](#)
Part 3:[Load Rating](#)
Part 4:[QA/QC](#)
Part 5:[Fatigue and Fracture Critical Inspections](#)
Part 6:[Scour](#)
Part 7:[Wearing Surfaces](#)
Part 8:[Asbestos](#)
Part 9:[Environmental Concerns](#)
Part :[APPENDICES](#)

2020 Bridge Inspection Manual: [2020 Bridge Inspection Manual](#)

Bridge Inspection Policy

[INDOT Bridge Inspection Manual](#)

Tunnel Inspection Policy

[INDOT Tunnel Inspection Manual](#)

Memorandums & Other Documents

- [Active Memos](#)
- [Archived Memos](#)
- [Bridge Inspection Documents](#)
- [LPA Bridges](#)

Conferences, Workshops & Training

- [Announcements & Upcoming Events](#) **NEW**

<https://www.in.gov/indot/div/public/bridgeinspect/>

Bridge Inspection Manual Revisions

- Basically Complete: will be online soon
- 2021 Bridge Inspection Workshop
- The following is the status of the Bridge Inspection Manual:
 - Part 1- Administration – complete
 - Part 2- Types of Inspections – complete
 - Part 3- load rating – complete
 - Part 4- QC/QA – complete
 - Part 5-Fatigue and Fracture critical – complete
 - Part 6- Scour – complete
 - Part 7- Wearing Surface – complete
 - Part 8- Asbestos – complete
 - Part 9- Appendix – complete



Bridge Inspection Manual Revisions

- Part 6: Scour (and Appendix)
 - Scour Plan of Action Template established in Manual and set up in BIAS.
 - ALL SCOUR CRITICAL BRIDGES (State and LPA) require a Scour Plan of Action in the BIAS bridge file and shall use the BIAS Template.
 - Scour Inspection Monitoring Form (for repeated inspections following scour trigger) also established in Manual and set up in BIAS.
 - Inspectors for State Bridges and LPA Bridges must use this BIAS monitoring form.
 - Three (3) approved Scour Triggers established in the Manual; one of which MUST be used for State bridges; LPA bridges may use one of these scour triggers or an acceptable alternative.



TEAM LEADER Qualifications- 1/29/21

- Renewal every 5 years
- **Bridge Inspection Consultant (BIC) Minimum Qualifications**
- The BIC must meet the following minimum qualifications:
 1. Registered PE in the state of Indiana with appropriate training and experience
 2. Qualified as an Approved Team Leader in the state of Indiana.
 3. Successful completion of FHWA-NHI-130055, Safety Inspection of In-Service Bridges or FHWA-NHI-130056, Safety Inspection of In-Service Bridges for Professional Engineers
 4. Successful completion of FHWA-NHI-130078, Fracture Critical Inspection Techniques for Steel Bridges
 5. Capable of overseeing ATL and ATM
 6. If this person is the BIAS administrator for the Firm, then this person must have had BIAS Administrative training from INDOT.

Other discussions

- Area of improvement
- Next Meeting: Recommend April 30, 2021 (Online)

