

MEMORANDUM

May 23, 2016

TO: ACEC-INDOT Bridge Inspection Committee Members

FROM: Cheryl Folz, Lochmueller Group

RE: ACEC-INDOT Bridge Inspection Committee Meeting Minutes
(meeting held May 13)

The following were in attendance:

Merril Dougherty, INDOT
Mohammad Hajeer, FHWA
Adam Post, United
Jon Olson, BF&S
John Lukac, BLN

AJ Wortkoetter, INDOT
Craig Parks, Boone County
Bobby Chandler, Clark Dietz
Rob Coop, USI Consultants
Cheryl Folz, Lochmueller Group

Item #1

Training Update.

- NHI Courses:
 - o 130055 2 week Bridge Inspection class - scheduled July 11-22, 2016.
 - o 130053 3 day Refresher Course - planning for October 2016.
 - o 130078 3.5 day Fracture Critical Class - scheduled June 6-9, 2016; Sept 13-16, 2016; and Dec 5-8, 2016.
 - o 130110 - Tunnel Inspection - KYTC District Office will offer in Louisville, Feb 6-10, 2017.
 - o 135047 1 day Scour at Highway Bridges - INDOT is considering for 2017.
- S-BRITE Certification Inspecting Steel Bridges for Fatigue - This will be required for fracture critical and complex bridge inspectors by 12/31/2016. Multiple class dates are posted and registration is open online.
- Test Bridge (scheduled for 5/13/2016). Offered for only one day due to MOT needed on SR 67. Inspection of test bridge is not a requirement for inspectors, however missing the test bridge would result in higher chance of being selected for the QA review. See Bridge Inspection Manual Part 2; Section 3.2 and Bridge Inspection Memo 16-04 for more information.

Item #2

Committee Structure.

Merril Dougherty has been asked about the structure of the Bridge Inspection Committee. Merrill is the Chairman; Cheryl Folz is the Secretary. Considering the committee is small, at this time, subcommittees do not seem necessary. However, if it is decided they are needed, they will be formed.

Item #3

New LPA Inspection Contract.

- Duplicate effort to get contract documents. The concern was made that there is duplicate effort when putting the contract together, specifically for the pre-qualification and audit information. AJ stated that this is not duplicated information because the contract is with the LPA, not INDOT.
- County bridge list required multiple times in contract. INDOT will address this to make it more efficient. INDOT needs this list in Word or Excel file; it will go into the contract as an attachment (Attachment A-2).

Item #4

Compliance Month - When to Complete Field Work.

INDOT is working to determine a reasonable number of bridges that can be inspected within one month. Consultants stated that when working with large counties, flexibility would be helpful. Some concerns brought up by consultants included poor weather conditions; overtime pay and other potential contractual issues; and a county's need for additional inspections (fracture critical, special, etc). It was recommended that 150 bridges might be a reasonable number of bridges to inspect in one month. Thus a county with over 150 bridges would be allotted 2 months to complete inspections; a county with over 300 bridges allotted 3 months; and so on. Merrill will review this information and the number of bridges each county has and send out a memo.

A concern was brought up about confusion in due dates if a county is given multiple months to inspect bridges. It would be up to the consultant to ensure that each bridge is inspected in the proper month.

Item #5

FHWA Compliance Update at Meetings - Partnering for Compliance.

Merrill stated that in the last quarterly report, things were looking good; inspections are getting completed on time. It was recommended that the committee be given an update at each meeting on how the state is doing in comparison with the 23 metrics. Mohammad Hajeer stated that updates can be provided if it is helpful. The biggest concern at this time is load ratings.

Item #6

Old BIAS Documents to ERMS.

INDOT is looking to move bulk files from the old BIAS to ERMS. Until this is completed, the files will still be available on the old BIAS.

Item #7

New Load Rating Policy.

- Even if a bridge is in good condition and has stamped plans, according to INDOT's policy, a load rating is still required.
- A load rating is required at construction completion (due to as-built details having potential of being different than designed). For county bridges built with federal funds, the counties should be provided as-built plans. Counties should make sure they receive these plans. For bridges built with 100% local funds, it was recommended that the contracts require as-built plans to be provided.
- The question was raised on what is a 'load ratable bridge' versus a 'non-load ratable bridge'. All bridges are load ratable. INDOT is looking for a way to load rate all bridges, including reinforced concrete and prestressed concrete members.
- Load ratings will not be required at each inspection, only when the condition changes.
- INDOT will develop a memo regarding procedures for getting discounted AASHTOWare BrR. It is likely that AASHTO will require a letter from INDOT each year when consultants renew the AASHTOWare license. Some consultants have been having problems getting AASHTOWare; Merrill thought the problem might be due to load rating non-compliance nationwide resulting in a large number of people trying to get the program.

- Considering that compliance with the new load rating policy will be required soon, it was asked if load ratings for bridges in good condition could be postponed until the load rating compliance month. Merril will look into this.

Item #8

Other Topics.

- Probability of Detection Study - Rob Coop mentioned that Purdue is still looking for more volunteers to complete the probability of detection study. Volunteers can be team leaders, team members, construction inspectors, etc.
- Bridge Asset Management Plan - Counties have been asked to prepare a bridge asset management plan. Consultants can help prepare a table with current bridge information for the Counties; however it is the Counties' responsibility to complete the budget columns.
- Reliability Based Bridge Inspection Study (risk based bridge inspections) - a pilot project will be done in the INDOT Seymour District. They will be looking at 25 bridges to develop a process. This will receive INDOT and FHWA review and approval. This is only being done for State bridges at this time.

Item #9

Next Meeting Date. The next committee meeting will be held on Friday, August 12, 2016 at 9:00am in INDOT N642 conference room.