

**KYTC Division of Maintenance and
ACEC Bridges, Inspection & Design Sub-Committee
Partnering Meeting**

**May 26, 2017, 10:00 AM – 12:00 PM
Room 311**

Minutes

These minutes provide an outline of discussions at the Division of Maintenance and ACEC Bridge Sub-Committee partnering meeting held at the Transportation Cabinet Office Building. Those in attendance were:

David Steele	KYTC Division of Maintenance (DOM)
Josh Rogers	KYTC Division of Maintenance
Rick Rogers	KYTC Division of Maintenance
Evan Dick	KYTC Division of Maintenance
Anne Irish	KYTC Division of Maintenance
Dora Alexander	KYTC Division of Maintenance
Erin Van Zee	KYTC Division of Maintenance
Mark Swieterman	KYTC Division of Maintenance
David Tipton	KYTC Division of Maintenance
Michael Edwards	KYTC Division of Maintenance
Derek Barnes	Parsons
John Broadus	HDR
Steve Goodpaster	American Engineers
Wendy Harper	WSP
Aaron Stover	Michael Baker
David Rust	Palmer Engineering

Discussion topics included:

- 1) Purpose** – This meeting was requested by the Sub-Committee to continue the dialog with the Division of Maintenance. The goal is to exchange feedback on bridge maintenance issues that could be addressed through inspection, rehabilitation, or design, resulting in more economical, easier to maintain, and longer lasting bridges.

2) Division of Maintenance (Bridge Preservation Branch) Discussion topics –

- a) **Bridge Inspection Procedures Manual** – The 2017 Kentucky Bridge Inspection Procedures Manual dated 4/24/17 is now available online and via a link in BrM. Section 500 has been updated for new scour procedures including new policies for cross sections.
- b) **BrM updates** – BrM was updated the week of 5/26. The update addressed reporting issues, added a new field for load rating notes, and provided a quick link to KYTC weight posting pages within BrM. DOM indicated that capacities for emergency vehicles are now being populated in BrM and that there will be no more duplication of inspections with everything being carried forward for all inspections. Additionally, bridge plans uploaded to STRUT can also be accessed through BrM while tunnel information has also been added but is read only (unless certified for tunnel inspection).
- c) **Scour Update** - DOM is progressing through the six items in the Plan of Corrective Action for FHWA Metric 18. Items 1 & 2 are complete with Items 3-6 at varying levels of completion. For Item 6, all cross sections for bridges with item 113 rated 2-6 & U are to be completed by November 2018 (currently at 57% completion) and cross sections for all bridges are to be completed by November 2020 (3,357 bridges). DOM will advertise to enlist Consultant assistance on completing these items.
- d) **Standard Drawing Updates** – DOM indicated that standard drawings for rolled steel beam bridges are under development by Division of Structural Design (DOSD). DOSD is also developing standard drawings for integral end bents.

3) Follow-up from last meeting

- a) **Load Ratings by Designers** – DOM remains open to having Consultants produce load ratings for new structures as part of the design contract (Consultants already producing some load ratings, typically on complex structures). This would prevent posting of newly constructed bridges because if a bridge did not adequately rate adjustments could still be made during design. Previously discussed obstacles remain (funding, software licensing). Another option discussed would be utilizing a design “check” vehicle to ensure new bridges will adequately rate. DOM to follow up with DOSD.
- b) **Consultant Access to Bridge Plans** – DOM indicated that firms prequalified for bridge design may request access to BrM to access existing bridge plans now filed in the STRUT portal. Contact Ryan Cram (ryan.cram@ky.gov) to apply for BrM access.
- c) **Items with no corresponding elements in BrM** – In the previous meeting it was suggested that a new element for “Aggradation and/or Silting in Culvert Barrel” be added with condition states defined by the percentage of total area blocked. DOM indicated that there has been no movement regarding adding this element but remains open to adding elements provided there is a large need. DOM is open to feedback from Consultants and would consider adding elements provided there is major consensus statewide.

- 4) **Coatings** – DOM indicated that the coatings selected for use from the KTC study are now being applied to the splash zones in recent bridge rehabilitations. The coatings are performing well so far and after more evaluation a recommendation may be made to specify their use as a preventative maintenance item on new bridges.
- 5) **Expansion Joints** – DOM indicated that the current compression seals aren't performing well and are being discontinued. The list of approved materials, Standard Drawings and Standard Specifications (2020 version) are in the process of being updated for 6 seals (by Emseal, SSI, WABO, etc.) to accommodate joints less than 4". Additionally, the 4" strips seals are being updated to replace welded extrusions with embedded. Sepias may be added to the Standard Drawings to address prior to the specification update. Contact David Tipton (david.tipton@ky.gov) for additional information.
- 6) **Training opportunities** – DOM is considering hosting an NHI course toward the end of the year for in-house staff and does not anticipate hosting an open NHI course soon. DOM is considering a training session for BrM 5.3 for in-house staff and consultants with existing contracts.
- 7) **Partnering opportunities at KYTC bridge maintenance conference** – DOM has opened the KYTC bridge maintenance conference to consultants with inspection and load rating contracts (28 people representing 8 firms). Future expansion to allow additional consultants will be re-evaluated after this year's conference.
- 8) **Future advertisements** – An Underwater Inspection Contract Advertisement is expected in August that will include 2 packages addressing the underwater inspection of 230 bridges, scour assessments and development of channel cross sections.
- 9) **Future meetings** – The next scheduled partnering meeting will be held in Spring 2018.

KYTC Division of Maintenance/ACEC Bridge Subcommittee Meeting May 26, 2017

Name	Affiliation	E-mail address
Wendy Harper	WSP	wendy.harper@wsp.com
Steve Goodpaster	AEI	sgoodpaster@aei.cc
Evan Dick	KYTC	evan.dick@ky.gov
Erin VanZee	KYTC	erin.vanzee@ky.gov
Anne Irish	KYTC	anne.irish@ky.gov
Aaron Stover	Michael Baker	astover@mbakerintl.com
MARK SWIETERMAN	KYTC	MARK.SWIETERMAN@KY.GOV
DAVID TIPTON	KYTC	david.tipton@ky.gov
Joshua Rogers	KYTC	josh.rogers@ky.gov
Rick Rogers	KYTC	RickR.Rogers@ky.gov
Dora Alexander	KYTC	dora.alexander@ky.gov
MICHAEL EDWARDS	KYTC	michael.edwards@ky.gov
David Steele	KYTC	David.Stealc@ky.gov
David Rust	Palmer Engineering	drust@palmernet.com
JOHN BRADUS	HDR	john.bradius@hdrinc.com
DEREK BARNES	PARSONS	derek.w.barnes@parsons.com