



BrM Strategic Direction and Task Force Update

Kent Miller P.E.

BrM Task Force Chair

Nebraska DOT Bridge Division

kent.milller@nebraska.gov

2025 Bridge Management User Group Meeting
Providence, RI | September 9-10, 2025

Some Topics to Discuss

- How is it going?
- Who are the Task Force anyway?
- What does the Task Force even do?
- How did we get here?
- Task Force Priorities and Strategic vision
- What do you need from BrM?
- How can you be involved with BrM and the Task Force?
- How can the Task Force assist you?

How is it going?

- Brm 7.0 came out in November,
 - Then the series of patches: 7.01, 7.02, 7.03
 - The rapid development process to meet release deadlines didn't allow for the usual testing phases
- Not the usual release
 - The challenge of the migration
 - The new database structure
 - The unfamiliar user interface
 - Rapid development meant release of a product with a lot of rough edges
- BrM 7.1 came out in August – so far so good?
 - Does anyone have it up and running yet?
- The 7.2 work is underway and the 7.3 workplan is being prepared

Who is the Bridge Management Task Force

- ~~Minnesota~~
- Nebraska
- Rhode Island
- Michigan
- South Carolina
- California
- Kentucky

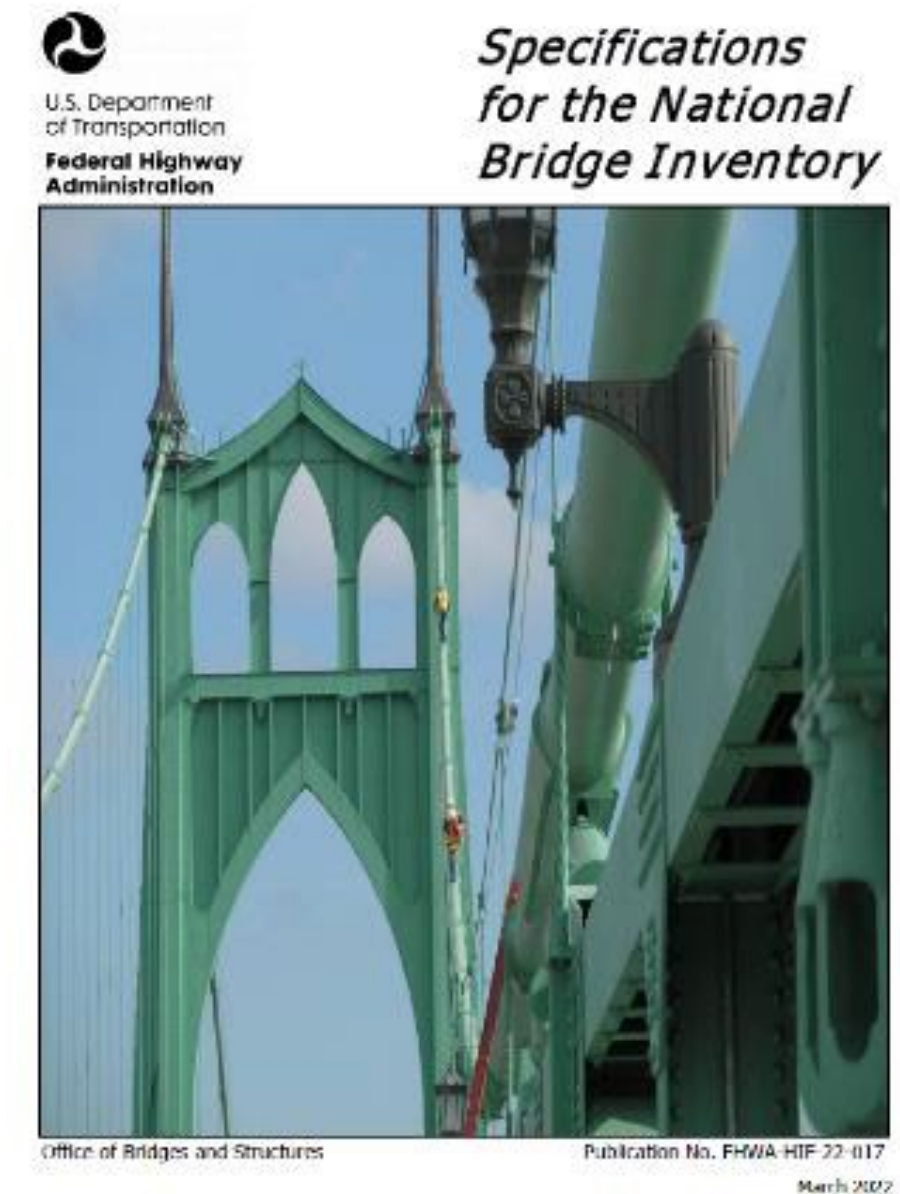


What does the Task Force do?

- Deliver development of achievable User Group priorities
 - Advise contractor on the details of users needs
 - Review JIRA tickets and refine or approve strategies
 - A lot comes down to the budget
- Review and develop longer range plans for software development
- Advise on the marketing approach... what goes into the catalog
- Meet online for an hour or so every two weeks
 - These meetings are to provide guidance for the contractor
 - Scheduled for an hour (yeah right)
- Meet in person quarterly for two or three days (depending on what is going on).
 - Discussion is time-limited, and the agenda often is juggled a bit to allow for the varying complexity of the topics
 - If we don't finish the agenda, then sometimes extra online meetings are set up

Where we've been – BrM: 7.0 (November 2024)

- Fully SNBI compliant
- Database and Application Overhaul
- Sustainability
 - Clear out old tech and bring in new
- Configurability
 - Visual Forms Editor Overhaul (now called Page Builder)
 - Built to improve the user experience



Priorities

- Short term
 - ~~SNBI implementation~~
 - Cloud Migration
 - ~~Support stable and configurable UI to meet agency needs.....~~
 - Create a Report and Dashboard exchange portal
 - Support data integration
 - Ideally consume and provide data from other sources without storing it
 - Integrate with BrR and AW Project
 - Implement Training Plans for
 - Optimizer
 - Configuration
 - POA management, QA and other Inspection Management features

Priorities

- Medium Term
- Longer Term

What Do We Need from BrM?

- How do we fulfill our duties to the trust the public has placed in us?
- Provide a platform for Bridge Inventory and Inspection data that is:
 - Easy to use for inspectors
 - Supports bridge file documentation
 - Has data validation and quality control checks for inspectors and owners
 - Supports bridge owner needs with performance monitoring, work requests, inspection scheduling
 - Is configurable for agency business practices
- Provide bridge programming optimization to assure that bridge condition performance targets are met at “the minimum practicable cost”
- Provide accurate, responsible and timely reporting to “customers” (inspectors, owners, our agencies, other agencies and government entities).
- Make compliance with State, Local and Federal requirements easy.
 - Reports available on demand
 - The right data at the right time for the right users in an easy-to-understand format
- **State of the art tools for bridge inspection and program optimization**

How Can You Be Involved with the Task Force?

- Email us!
 - When the quarterly updates come out, that is a great time to reach out if you have questions or concerns
 - Anytime you need information about BrM especially the development direction, just send an email
- Send in JIRA tickets
 - If you find anything that isn't as it should be
 - Anything that you'd like BrM to do that it doesn't do or doesn't do well enough
 - Things you don't understand or that aren't well enough explained in the documentation
- Join a Technical Advisory Group
 - These groups review and help prioritize JIRA tickets
 - They focus on specific topics and share tips and tricks
 - All TAGs have at least one TF member
 - Future TF members often come from active TAG members

Report from Nebraska

Bridges » Inventory & Appraisal » NDOT Inventory & Appraisal

Asset Selector *

S000 00000

NDOT Inventory & Appraisal

NDOT Identification

First County Border Bridge (NE 200A) ⓘ

None

First City Border Bridge (NE 200E) ⓘ

Past Border Bridge Number ⓘ

First Class City (NE 213) ⓘ

No

Element/Non-Element Inspected ⓘ

Element

NDOT Design

Bridge Rail Type (NE 212) ⓘ

N N/A

Grade Beam Type ⓘ

Culvert Barrel Length (NE 359C) ⓘ

Direction of Increasing Ref. Post (NE 217) ⓘ

E

N

S

E

W

NE

NW

SE

SW

Second County Border Bridge Pct (NE 200D) ⓘ

Second City Border Bridge Pct (NE 200H) ⓘ

NE City Code (NE 205) ⓘ

0000 N/A

Year Reconstructed ⓘ

0

Total Number of Pins (NE 342) ⓘ

Report from Nebraska

- Configuring Multimedia for Bridge File management
- Subfolders for all document types
- The ability to add but not delete controlled by triggers
 - If someone tries to delete it is denied and they and an admin get an email to resolve the situation

Report from Nebraska



Contacts

Contact the Task Force

- Jacob Armour - MI DOT
 - ArmourJ1@michigan.gov
- Justin Alameres – CA DOT
 - Justin.Alameres@dot.ca.gov
- Emily Bickley - SC DOT
 - BickleyEJ@scdot.org
- Derek Constable
 - Derek.Constable@dot.gov
- Ryan Cram KY Transportation Cabinet
 - ryan.cram@ky.gov
- Craig Nazareth – RI DOT
 - craig.nazareth@dot.ri.gov

- Kent Miller – NE DOT
 - Kent.Miller@nebraska.gov

Contact Mayvue

- BrM Support brm@mayvue.com

Contact AASHTO

- Ryan Fragapane
 - Fragapane@aashto.org

Questions?

Thank You!

- Thank you for what you do for your agency's bridges!
- If the Task Force can help, let us know!