

# AASHTOWare Bridge Management (BrM) Task Force Meeting Minutes

## September 24, 2015

### Park City, UT

#### Contents

General Information - Meeting of the Bridge Management Task Force .....	2
0. Review Agenda and Assign Minutes Recorder .....	3
1. Prior Business .....	3
a. Review June Meeting Minutes.....	3
b. Review June Meeting Summary Minutes.....	3
c. Review Prior Action Items .....	3
2. BrM 5.2.2 .....	3
a. Acceptance Build / Beta Testing Results .....	3
b. Production Release Schedule.....	3
3. Database / API TAG Update .....	4
4. Project Update .....	4
a. Budget and Schedule.....	4
b. Customer Support Statistics.....	4
c. Service Units .....	4
d. License Revenue Report.....	4
5. BrMUG Debriefing .....	4
a. Meeting Discussion / Feedback.....	4
b. BrMUG Survey Results .....	4
c. BrM User Configurations .....	4
6. Quarterly Status Report.....	4
7. BrM 5.2.3 – Deterioration Modeling Enhancements Review .....	4
8. Tunnels.....	5
9. BrM 5.2.3 – Scenario Explorer Introduction.....	5
10. BrM 5.2.3 – User Manual Review .....	5
11. BrM 5.2.3 – User Interface Discussion .....	6
12. Review Action Items .....	6
13. Executive Session Discussion .....	6
Attachment A: Listing of AASHTOWare Bridge Task Force, TAG and User Group Personnel.....	7



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## General Information - Meeting of the Bridge Management Task Force

### Participants:

<b>AASHTO</b>	
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<b>SCOJD Liaison</b>	
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Beckie Curtis	Michigan Department of Transportation
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Bruce Novakovich	Oregon Department of Transportation
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Patty Fish	Idaho Transportation Department
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Craig Nazareth	Rhode Island Department of Transportation
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Josh Lang	Bentley Systems, Inc.
Chris Meredith	Bentley Systems, Inc.
Rick Wagner	Bentley Systems, Inc.
Vasil Papakroni	Bentley Systems, Inc.

### Note taker:

Judy Skeen



## 0. Review Agenda and Assign Minutes Recorder

- Judy Skeen will record the meeting minutes
- The following agenda item was added:
  - New Agenda Item 8: Tunnels – status and future directions.

## 1. Prior Business

### a. Review June Meeting Minutes

- The Boise, ID meeting minutes were approved with no changes.

### b. Review June Meeting Summary Minutes

- The Boise, ID meeting summary minutes were approved with no changes.

### c. Review Prior Action Items

- In the interest of time, the Task Force decided to dispense with the review of the active action items. A full review of all action times will be conducted during the November BrM Task Force meeting in St. Petersburg, FL to allow the limited time available during this meeting to be spent discussing and reviewing 5.2.3 design requirements with the invited guests.

## 2. BrM 5.2.2

### a. Acceptance Build / Beta Testing Results

- The acceptance release has been out for a couple of weeks.
- The following issues were identified during the most recent Beta Testing TAG Conference Call
  - The beta testers have identified a problem with custom pages not displaying. Instructions to make it work also need to be developed. Bentley has been able to correct this error.
  - One of the beta testers has encountered some errors in GUIDs on the workstation version of the software not syncing with the GUIDs on the Enterprise version. Bentley has been able to reproduce and fix the error.
  - Another beta tester provided a list of problems associated with Reports. Some reports are missing data or are reporting data in the wrong unit of measurement and sub-reports not properly printing. These reported problems may be due to miscommunication.
  - KML file has been partially fixed. The direct link to Google Earth worked in 5.2.1 but does not work on 5.2.2. Bentley supports the export of the KML file but does not support the path to Google Earth. Bentley will remove the path to Google Earth.
  - Defects on Protective Systems – information saved in Notes cannot be saved if the notes are there from the last inspection. Bentley has a fix for this problem.

With the resolution of the above issues, the Beta Texting TAG supports the production release of the software. Final signoff will be discussed during the Beta Testing TAG conference call next Friday (October 2, 2015).

- The Task Force discussed the continued need for delivering the standard reports. Problems with reports 15 and 16 need to be addressed.

### b. Production Release Schedule

- Release planned for next Friday, October 2 pending final approval from the Beta Testing TAG.

### 3. Database / API TAG Update

Database/API TAG met on Monday of this week. The following items were discussed for elevation to the Task Force.

- Auditing – keep it as generic as possible
- Clearance and Cross-Section functionality should be incorporated into BrM. Bentley advised that this functionality should be addressed in conjunction with the tunnel effort.
- Brkey trigger on other tables – Maybe include the dates in the data dictionary of when an item arrives in the database and when an item leaves the database? Will the brkey be helpful to the users without carrying forward other trigger keys? The brkey needs to continue to exist until users have an opportunity to move all their data over. -- Bentley should provide a clear disclaimer that inclusion of use of the brkey without the indexes will significantly impact the speed of the application due to the extended overhead for database calls.
- Users are requesting Trigger Keys and User Tables be kept to better support their move to 5.2.2 – approximately 30 individual keys/tables would have to be carried forward.

### 4. Project Update

#### a. Budget and Schedule

- The only remaining funds left in the 5.2.2 budget is the final payment for the Fixed Price production delivery task.

#### b. Customer Support Statistics

- Considerable customer support hours have been expended for the Kansas DOT and Virginia DOTs.

#### c. Service Units

#### d. License Revenue Report

- Nothing exists as an outlier in this report.

### 5. BrMUG Debriefing

#### a. Meeting Discussion / Feedback

- The Task Force discussed the overall results of the BrMUG meeting. The Task Force has agreed to respond to all of the user issues / recommendations documented during the BrMUG User Conclave.

#### b. BrMUG Survey Results

- The Task Force deferred discussion of the detailed responses received via the user survey.

#### c. BrM User Configurations

- The Task Force deferred discussion of the detailed responses received via the user survey.

### 6. Quarterly Status Report

- The contents of the next quarterly report will be discussed during the BrM Task Force Meeting in November.

### 7. BrM 5.2.3 – Deterioration Modeling Enhancements Review

- Bentley provided an overview of the Deterioration Modeling Functional Design Specification.

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- The NBI deterioration state at the bridge level should be based on the last few inspections and must be analyzed to determine the start. The software should set the start state and date for the data recorded at the last condition change.

## 8. Tunnels

- SCOJD approved the RIPI funding and 5.2.3 contract modification #1 to include the development of the multiple asset framework. Bentley received the approved contract modification yesterday. Once signed by Bentley, the contract modification will be executed. Development work will begin in October. The additional work and the delay in releasing 5.2.2 will impact the 5.2.3 beta distribution one month, from February, 2016 to March, 2016.
- The chair of the AASHTO Subcommittee on Bridges and Structures, T-20 Tunnels Technical Committee sent a reminder email on 09/24/15 to the tunnel state SCOBS contacts who have not yet responded to SCOBS level of interest email (asking tunnel states to consider contributing \$5,000 towards the \$100,000 needed to fund the tunnel enhancement to BrM). Funding is expected to be collected via Service Unit contributions. The tunnel enhancement effort would be delivered as a patch in the Spring of 2016.
- The SCOJD liaison suggested setting up a video conference meeting with the tunnel states to better explain the scope of the tunnel element extension of BrM.
- FHWA Tunnel Reporting Time Table:
  - 12/2015 - Initial tunnel submission (using BrM Task Force supplied spreadsheet)
  - 10/2016 - Start tunnel inspections
  - 03/2018 – Tunnel element reporting to FHWA

## 9. BrM 5.2.3 – Scenario Explorer Introduction

- Bentley provided an overview of the Scenario Explorer Functional Design Specification.
- Executive Dashboard - should communicate needs / performance levels at the strategic level (i.e. MAP-21 goals). The dashboard will display the agency's current status vs. the goal established by the agency. High Level
  - MAP-21 Goal
  - TAMP Goal
  - Percent and Condition by Year (NHS)
- Results Dashboard – Data driven with ad-hoc flexibility
- Funding Allocation Dashboard – only fully-funded projects go forward. No partial projects will be included. All remaining funding will be forwarded to the next year. Funding sources can span multiple programs.
- Program Planning Dashboard
- Tradeoff Analysis Dashboard – BrM allows one utility tree. With tradeoff analysis, the tree remains the same. The utility weights would be modified based on needs. Local programs vs. State program is an example of the application of different weights.
- Performance Measure Dashboard – All agency defined criterion will be under the utility tree. Custom element groups can be created.
- Scenarios – Agencies need to have the ability to define separate deterioration models.

## 10. BrM 5.2.3 – User Manual Review

- Bentley has hired a technical writer and is using MadCap Flare to support the development of the manual.

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## **11. BrM 5.2.3 – User Interface Discussion**

- Discussion deferred

## **12. Review Action Items**

## **13. Executive Session Discussion**



## Attachment A: Listing of AASHTOWare Bridge Task Force, TAG and User Group Personnel

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