AASHTOWare Bridge Management Update

Bridge Management Licensees (FY21)

County/City	State
Los Angeles Co	CA
City of Phoenix	AZ
Penn. Turnpike	PA
Richmond Metro Auth	VA
FHWA	DC

41 State Departments of Transportation
+ District of Columbia & Puerto Rico

Map Key	
	Non- Licensee
	Licensee
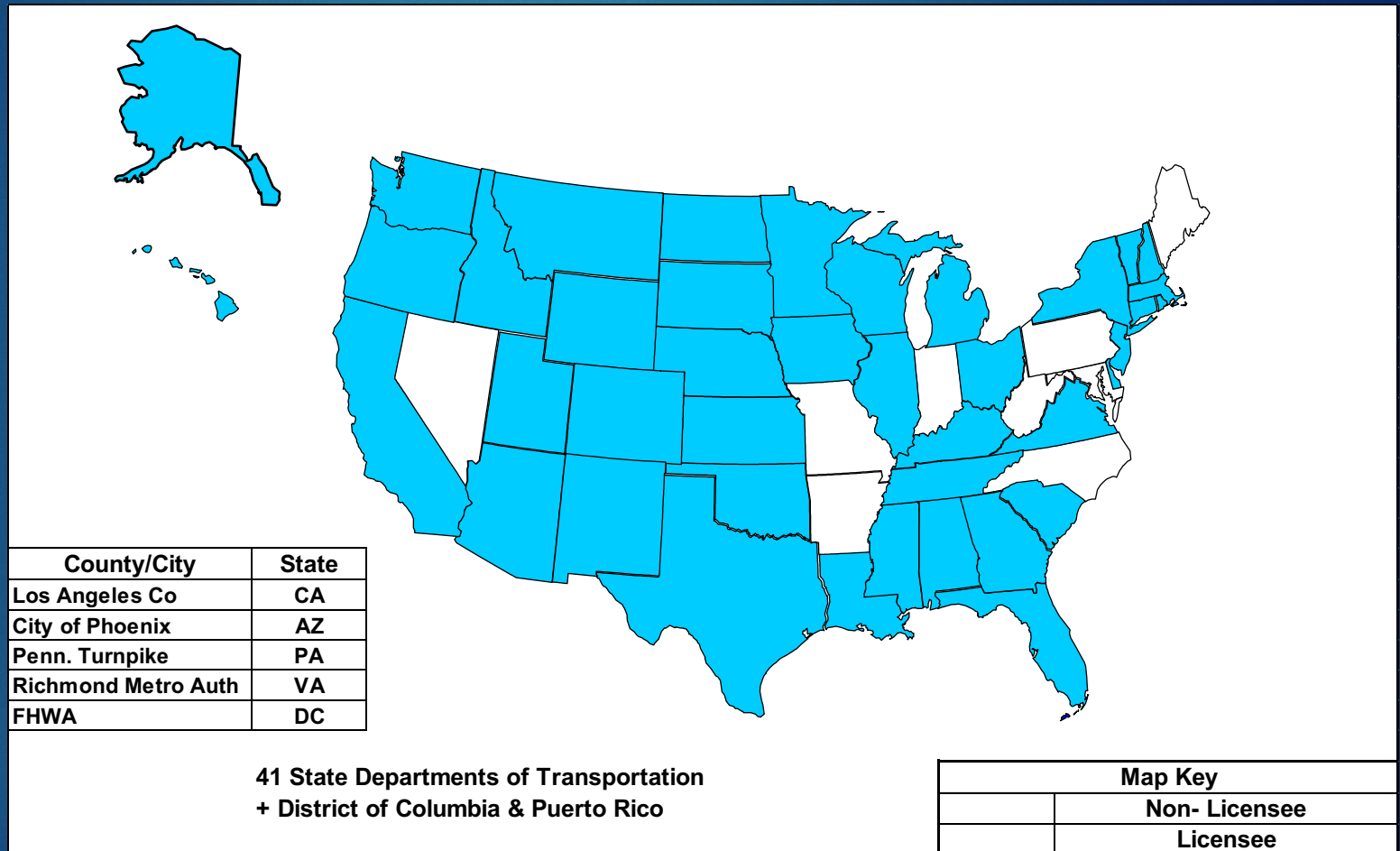
User Group Priorities

▶ TOP 5

Vote Rank	Total Votes	Count States	Priority Enhancement	States	FDS Status	Funding Status for FDS and Development	Estimated Level of Effort	August 2021 Update
1	505	23	QA/QC Module	AK, CO, DE, FL, HI, ID, KY, MN, MS, NH, NJ, NM, ND, OH, RI, SC, SD, UT, VT, VA, WI, WY, PR	Complete	Funded (SCDOT SU Project)	XL	SCDOT has a signed QC/QA FDS based on the original, draft User Group's version. The TF has reviewed/approved this FDS and needs to determined when/how it will integrate into BrM core.
2	428	21	Funding by Allocation Project Category	AK, CT, GA, HI, ID, IA, KS, MA, MN, NH, NJ, NM, ND, OH, OK, TX, UT, VA, WA, WI, PR	Complete	Funded by (GADOT)	L	The BrM 6.6 work plan currently underway includes this module. The user community can expect this in early 2022.
3	227	14	Multimedia Interface	AL, CO, HI, KS, KY, MN, NH, ND, OH, RI, SD, WI, WYM PR	Complete	Funded (Task Force & State Contributions)	XL	Multimedia enhancements were included in v6.4.Also, v6.6 will include additional multimedia improvements.
4	226	10	VDOT - Ability to Schedule additional types of inspections with item 31	AL, AK, CA, FL, MA, MI, NM, VA, WI, WY	Needs Finalized	Funded (SCDOT SU Project)	XL	Plural inspection types are included in SCDOT's inspection assignment module. This FDS is complete and available for Task Force acceptance into core. This could account for inspection types in the proposed SNBI.
5	198	19	Optimizer look ahead rule (Suppression Rule)	AK, DE, GA, HI, ID, IA, KS, MA, MN, NH, NJ, NM, ND, OH, TX, UT, VT, WI, WY	Needs Finalized	None	L	Also known as the Suppression Rule. A draft FDS is available (recently developed at the Task Force's direction). The next step is for the champion and interested agencies to confirm the requirements in the FDS draft or document additional needs or revise requirements. Funding will be needed to move the enhancement forward to development after requirements are finalized. At this time, there are no funding commitments from the user community. This enhancement will be considered by the Task Force for inclusion in a future work plan.

BrM 6.4 release

▶ Released January 2021

▶ Multimedia module enhancements:

- Widget to more easily access multimedia files from within specific tasks

- Better organization of UI as well as new fields and features

- A foundation for integrating BrM multimedia with other multimedia platforms (e.g. ProjectWise)

▶ Addition of the remaining FHWA validation checks

▶ Enhanced Mapping to view surrounding bridges

▶ Usability enhancements and various maintenance improvements / bug fixes

BrM 6.5 release
Lifecycle Cost Analysis (LCCA)

▶ Released June 2021

▶ More refined Life-Cycle Cost Analysis to allow agencies to create bridge level life-cycle plans that fit their specific practices and policies for any bridge

- Easily program work in the short term (5 years or less) or develop a long-term program (10, 15, 20, 50 years, etc.)

- LCCA policies can be used to prevent the bridge from falling below a certain threshold

▶ Analytical Tools

- Time in State Report (for NBI Condition Ratings)

- NBI Conversion Report

LCCA Enhancements

LCCA Plans List

BrDR 7.1 release

▶ BrM web service integration

  ▶ Provide a Representational State Transfer (REST) client within BrDR to consume the REST web services provided by BrM 6

  ▶ All existing AASHTOWare Bridge Integration use cases in the legacy system will be supported

  ▶ No longer required to integrate BrDR and BrM databases

BrM 6.6 release

- ► Anticipated Release April 2022
- ► Funding by Project Category
- ► Critical Findings / Request for Action Module
- ► User Certification Module
- ► Signs Module
  - Includes Multimedia for Signs and tunnels
- ► Analytical Tools
  - STIP Project Import Tool
- ► Usability enhancements and various maintenance improvements / bug fixes

BrM AASHTOWare Bridge® Management AASHTO

BrM 7.0 – Looking Ahead

▶ Task Force Primary Focus is on changes required to remain compliant with new NBIS Regulations and the new NBI coding guide

▶ Currently developing plan for proposed changes to ensure timely delivery of BrM 7.0 to allow states time to implement ahead of FHWA deadlines

BrM 7.0 – Looking Ahead

▶ Solicitation to support compliance with the proposed changes to the NBIS and the new NBI coding guide

▶ BrM 7.0 to also include deferred maintenance items and usability enhancements

- Deferred database maintenance

- Update Framework to .Core

- Multi-thread optimization process

- Tracking historical changes on a granular level

- Workflow improvements

- Dashboards

Task Force members

Chair	Todd Thompson	South Dakota
Vice Chair	Eric Christie	Alabama
Member – BrM	Beckie Curtis	Michigan
Member – BrM	Craig Nazareth	Rhode Island
Member – BrM	Kent Miller	Nebraska
Member – BrM	David Hedeen	Minnesota
FHWA Liaison – BrM	Derek Constable	FHWA
Member – BrD	Jeff Ruby	Kansas
Member – BrD	Mark Bucci	Louisiana
Member – BrR	Vinacs Vinayagamoorthy	California
Member – BrR	Mike Johnson	Idaho
FHWA Liaison – BrDR	Tom Saad	FHWA

Thank You!

▶ Any Questions?

   ▶ Contact –

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