AASHTOWare™ BRIDGE MANAGEMENT

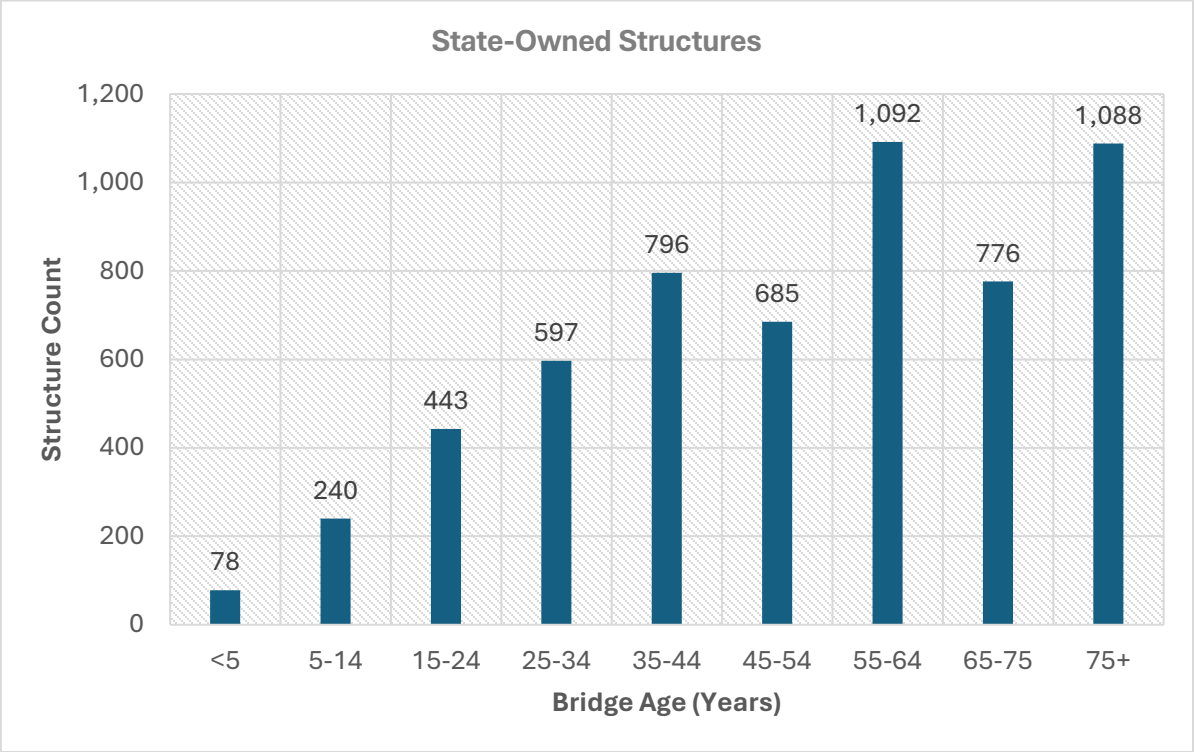
ALDOT Transition to BrM 7

Cole Stump, P.E.

Bridge Operations Engineer – Alabama DOT

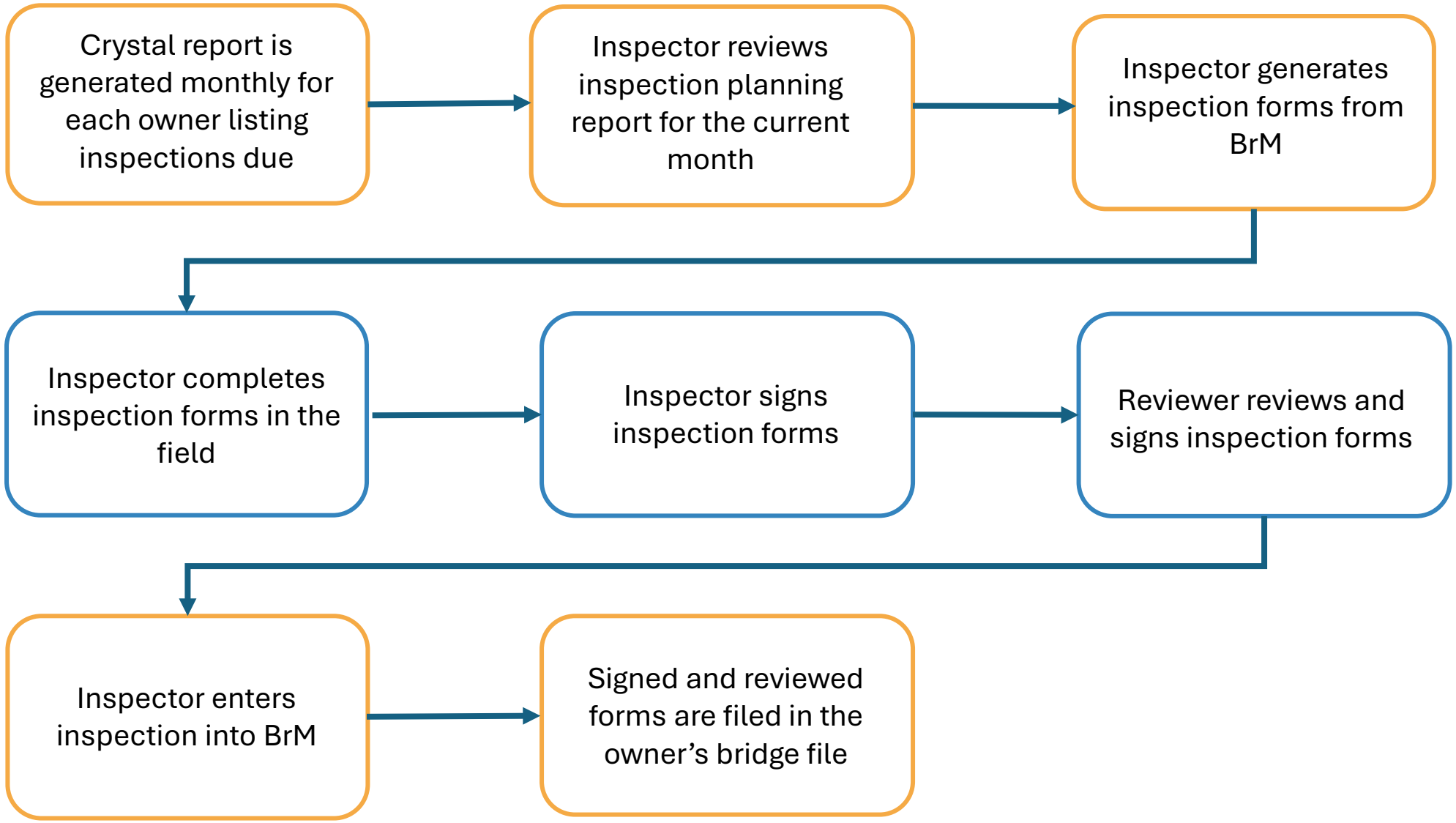
ALDOT & BrM

- Implemented AASHTOWare BrM in 2014
- The BrM database is the primary data source for ALDOT's bridge information.
- Used for Inspection and Management
- ALDOT inspects all state-owned structures with in-house forces.
- Local agencies are responsible for having their own bridges inspected.

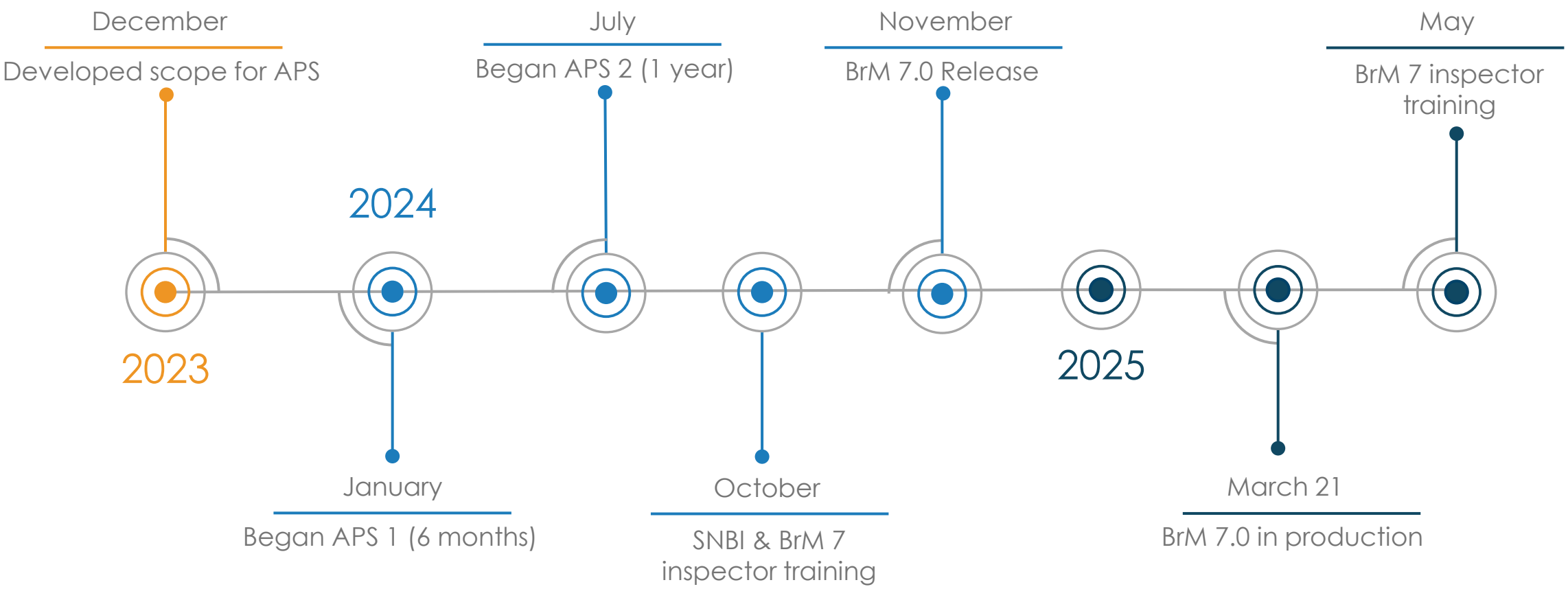


Owner	Count	Count (%)	Deck Area (ft^2)	Deck Area (%)
State	5,795	36.3%	85,560,518	73.8%
County	8,488	53.0%	23,237,981	20.1%
City	1,640	10.3%	6,894,930	5.9%
Other	63	0.4%	213,729	0.2%
Total	**15,986**		**115,907,158**	

ALDOT Inspection Workflow



BrM 7 General Timeline



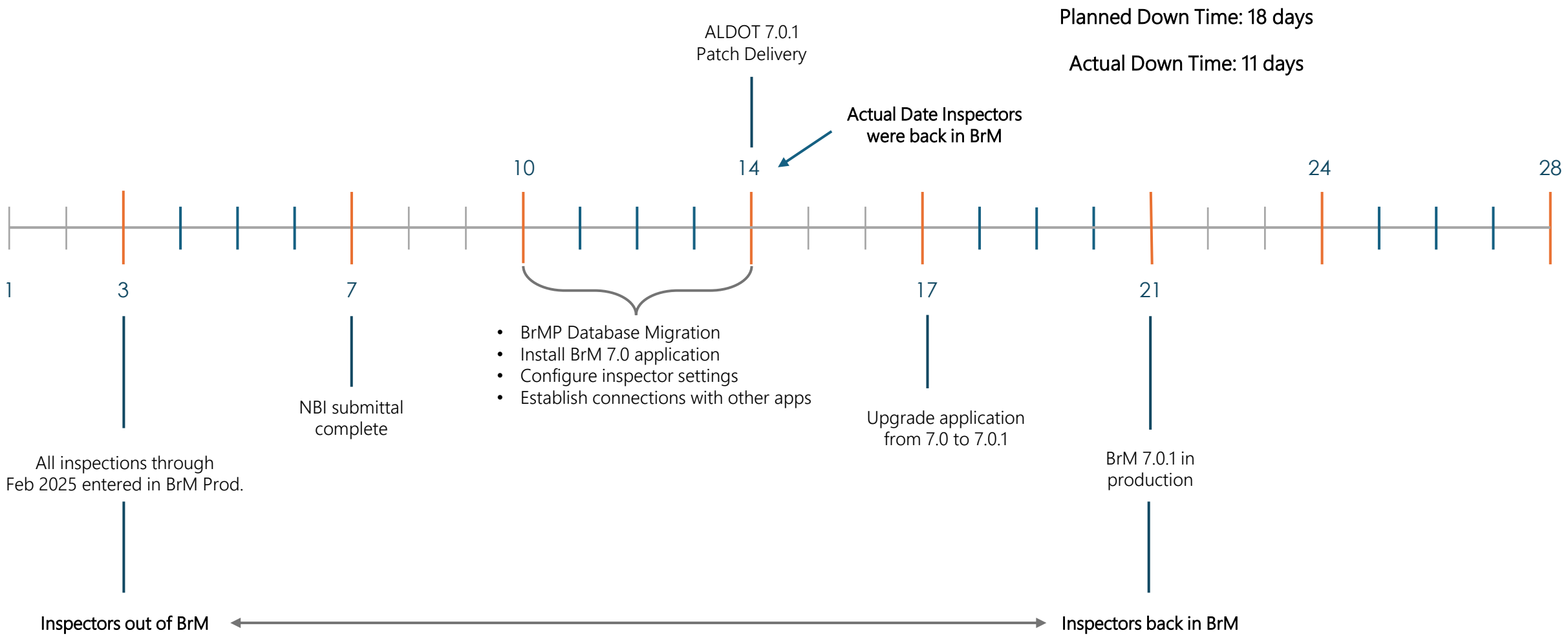
SNBI Training

- (May 2022) NBIS updated & SNBI published
- (March 2023) ALDOT hosted pilot NHI Bridge Inspection Refresher Training (SNBI Version)
- (Sep 2023) ALDOT hosted FHWA SNBI training for ALDOT central office and bridge inspection staff
- (Oct - Dec 2023) ALDOT introduced inspectors to SNBI during bridge inspection refresher training
- (Fall 2024) ALDOT conducted SNBI training including using BrM 7.0
  All certified inspectors in Alabama were required to attend.
- (May 2025) ALDOT conducted SNBI training with expanded BrM 7.0 training

BrM 7 Upgrade Timeline | March 2025

Planned Down Time: 18 days

Actual Down Time: 11 days



Phased Approach

- Phase 0
  Data migration & testing

BrM 7.0 release

- Phase 1
  Critical for go-live
- Phase 2
  Not critical but high value needs
- Phase 3
  Things we want but can do without to start

Database Migration

- Migrated userbrdg fields into SNBI fields where applicable
  - Paint History
  - Previous Bridge ID
  - Equipment Data
  - Scour inspection data
  - Scour evaluation data

- Added fields to UI via page builder page and created dashboards to verify the migrated data

- Mayvue provided post.upgrade.sql script using code blocks. When something is added to the script it is done under a new block. This allows for the script to be executed multiple times omitting blocks that have already executed.

D: > OneDrive - Alabama Department of Transportation > BrM > BrM 7.0 > BrM 7 SQL Queries > post.upgrade.sql

prmaint\prmaint | AL_BRMP

```sql
declare @blockname varchar(100);
declare @dbVersion varchar(100);

BEGIN TRANSACTION;
--{706C8C64-9B04-467A-A1B3-6F62EC0A1969} - SU-1670 Parameter Lookup Function
```

```sql
    THROW;
END CATCH;
*/
COMMIT TRANSACTION;
```

Phase 1

- Goal was for inspectors to:
  - log in and access their assets
  - Know which inspections are due
  - Generate inspection forms
  - Enter completed inspections in BrM

- Steps
  - Install BrM 7 application on production server
  - Admin log in
  - Access filters
  - Users > Groups
  - Users > Roles
  - Inspection Types
  - Certifications / Qualifications
  - Load Rating Vehicles
  - Posting Sign Types
  - Configure Multimedia
  - Updated reports
    - Inspection Planning Report
    - Bridge Inspection Forms

Group Access Filters

Groups migrated from BrM 6 to BrM 7 using standard migration script. Filters did not due to database differences.

Needed to create 265 group access filters.

Mayvue provided script to import BrM 6 filters into BrM 7

ALDOTBRM-15 Import Filters.sql
sql · 348 KB

```sql
-- ALDOTBRM-15 - Import Filters
-- Filters were established on a prior version of the database.  This script imports them to a new database.
set xact_abort on
begin transaction
-- Counts for QC purposes
    select count(*) as FilterCount from filter

--Active Ingredient
insert into Filter values ('014426145E2544E4ACA331DF21FC182C','9E2E203CC3674EBF89247AC4D6FBCCA2','CB409CA249EB41E187B2544FE8658F15','City - Vanc
insert into Filter values ('01503E64B7E7465B9874D765E2D7CDA1','9E2E203CC3674EBF89247AC4D6FBCCA2','CB409CA249EB41E187B2544FE8658F15','Area - Troy
insert into Filter values ('01CD23BCE2D749A4BB5AE4DA05C4B05A','9E2E203CC3674EBF89247AC4D6FBCCA2','CB409CA249EB41E187B2544FE8658F15','City - Smit
insert into Filter values ('01E5A39AF4154BA68FAFAA3F5D972A61','9E2E203CC3674EBF89247AC4D6FBCCA2','CB409CA249EB41E187B2544FE8658F15','City - Pike
insert into Filter values ('020AE104CF36421699B0DD7A9A122271','9E2E203CC3674EBF89247AC4D6FBCCA2','CB409CA249EB41E187B2544FE8658F15','County - Ba
insert into Filter values ('02DE0AF825E44F029400CAC0BB48C2DA','9E2E203CC3674EBF89247AC4D6FBCCA2','CB409CA249EB41E187B2544FE8658F15','City - Doth
insert into Filter values ('045EF7C94A4C4658A72700FFEDB49DE5','9E2E203CC3674EBF89247AC4D6FBCCA2','CB409CA249EB41E187B2544FE8658F15','County - Morgan', null,'SELECT ast.AssetID
insert into Filter values ('05ECF52D445F48CE9AAFCF505184BB36','9E2E203CC3674EBF89247AC4D6FBCCA2','CB409CA249EB41E187B2544FE8658F15','City - Talladega', null,'SELECT ast.AssetID
insert into Filter values ('067487AF86AD4C6F995E01611922A36B','9E2E203CC3674EBF89247AC4D6FBCCA2','CB409CA249EB41E187B2544FE8658F15','City - Opelika', null,'SELECT ast.AssetID A
insert into Filter values ('06C4FFCBBFB3417DBD69F7BFC214FFE7','9E2E203CC3674EBF89247AC4D6FBCCA2','CB409CA249EB41E187B2544FE8658F15','County - Escambia', null,'SELECT ast.Asset
insert into Filter values ('0833A8452CF348C68AC19F3BA5E4CA4C','9E2E203CC3674EBF89247AC4D6FBCCA2','CB409CA249EB41E187B2544FE8658F15','City - Heflin', null,'SELECT ast.AssetID AS
insert into Filter values ('094EE91E36D84338BDBC6694F235771B','9E2E203CC3674EBF89247AC4D6FBCCA2','CB409CA249EB41E187B2544FE8658F15','City - Alabaster', null,'SELECT ast.AssetID
insert into Filter values ('0A766D58F03D47FFAF9F8F93D227F6B5','9E2E203CC3674EBF89247AC4D6FBCCA2','CB409CA249EB41E187B2544FE8658F15','County - Perry', null,'SELECT ast.AssetID A
```

Admin > Security > Groups

User Groups

Ancillary Asset Type: Bridge

Search

Add New

Name
Area - Alexander City
Area - Birmingham
City - Alabaster
City - Albertville
City - Alexander City

« 1 2 3 4 5 6 7 8 9 10 ... 18 »

265 items in **18** pages

Roles

BrM 6

Role Name	Active Users	Inactive Users	Total Users
Bridge Inspector	472	602	1074
Read Only	306	89	395
ALDOT Area Bridge Inspector	23	0	23
Admin	13	3	16
Rating	11	2	13
ALDOT Area Bridge Operations	12	0	12
Tunnel Inspector	11	0	11
Scour	6	0	6
Bridge Inspector - Advanced Multimedia	5	0	5
ALDOT Area Bridge & Tunnel Inspector	4	0	4
Default	4	0	4
Read Only - Scour	4	0	4
Admin Read-Only	2	0	2
ALDOT Area Bridge & Tunnel Operations	1	0	1
Atom	1	0	1
Basic	0	1	1
Total	**875**	**697**	**1572**

BrM 7

Role Name	Active Users	Inactive Users	Total Users
Bridge Data Entry	167	541	708
Read Only	237	72	309
A Bridge Inspector	247	3	250
No Access	36	207	243
ALDOT Area Bridge Inspector	27	0	27
ALDOT Data Entry	16	0	16
Admin	10	0	10
ALDOT Area Bridge Operations	7	0	7
ALDOT Area Bridge & Tunnel Inspector	6	0	6
Rating	6	0	6
Scour	5	0	5
FHWA	3	0	3
ALDOT Central Office Management & Training	2	0	2
Default	2	0	2
Mayvue	2	0	2
ALDOT Area Bridge & Tunnel Operations	1	0	1
Bridge & Tunnel Inspector	1	0	1
Total	**775**	**823**	**1598**

Inspection Types

Created inspection type for Scour Inspection (Different than SNBI Scour Monitoring)

Userbrdg fields in 6.x stored this data but wanted to create its own inspection type for inspection assignment module

Scour Inspection Required (224A):	Scour Monit. Req'd
Scour Inspection Frequency (224B):	24
Special Inspection Detail Indicator (224C):	Sp Dets req'd for Sc Mon
Scour Countermeasures Required (225A):	Scour Counterm Not Req'd
Scour Countermeasures Planned (225B):	2/1/1996
Scour Countermeasures Completed (225C):	4/1/2005
Scour Critical (113):	5 Stable w/in footing
Scour Critical Bridge Description (113B):	Eval Based on Scour Cal
Foundation Type:	Spread
Foundation Elevation:	Known
Streambed Material:	Muck/Unknown

Inspection Types

Filter

Active

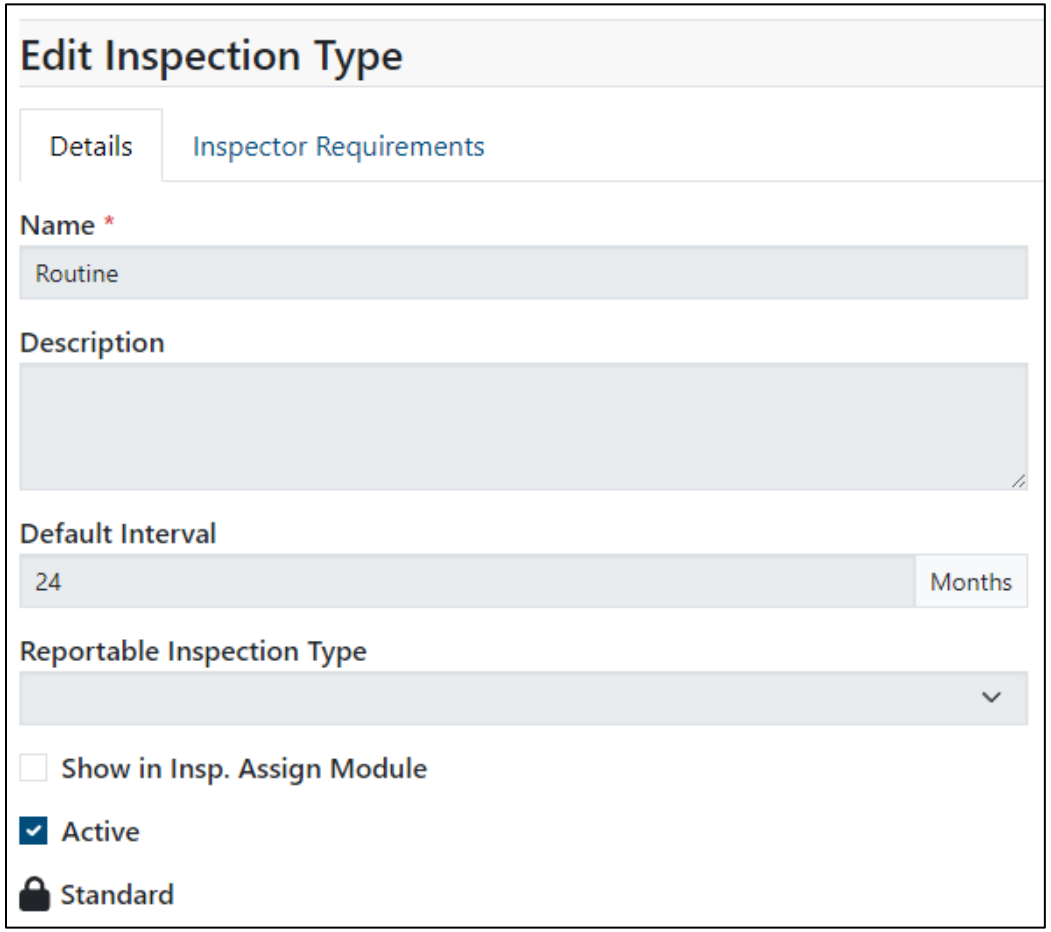
Search | Export | Add New

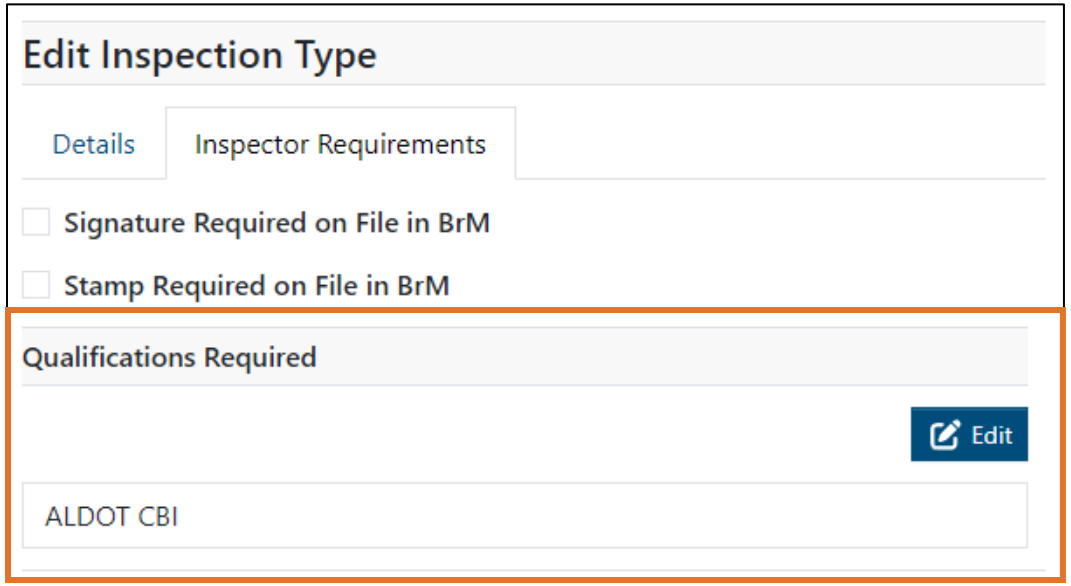
Name	Description	Default Interval (months)	Reportable Inspection Type	Show in Insp. Assign Module
Damage				False
In-Depth		24		False
Initial				False
NSTM		24		False
Routine		24		False
Scour Inspection	ALDOT Scour Inspection Type			False
Scour Monitoring				False
Service				False
Special		12		False
Underwater		60		False

Currently not using inspection assignment but plan to in 7.1

Certifications | Qualifications

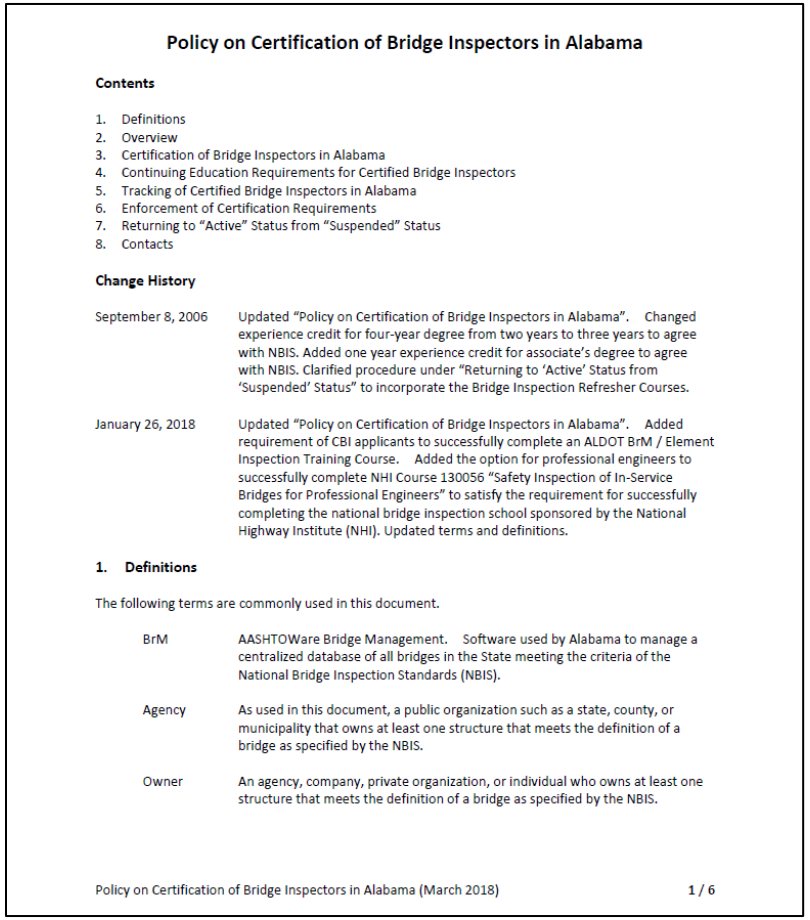
Configured qualification requirements for inspection types





Certifications | Qualifications

- ALDOT has been tracking:
  - Bridge inspector refresher training since 2002
  - NHI 130055 training since 1988
- Training history was stored in ALDOT in-house system (ABIMS) and carried forward into BrM.
- ALDOT Bridge Inspector Certification Policy
- Experience
  - 5 Years total qualifying experience
- Training
  - NHI 130055 or 130056
  - Bridge Inspection Refresher Training in the past 2 years
  - ALDOT BrM Training
  - ALDOT Element Inspection Training



Policy on Certification of Bridge Inspectors in Alabama

Contents

1. Definitions
2. Overview
3. Certification of Bridge Inspectors in Alabama
4. Continuing Education Requirements for Certified Bridge Inspectors
5. Tracking of Certified Bridge Inspectors in Alabama
6. Enforcement of Certification Requirements
7. Returning to "Active" Status from "Suspended" Status
8. Contacts

Change History

September 8, 2006	Updated "Policy on Certification of Bridge Inspectors in Alabama". Changed experience credit for four-year degree from two years to three years to agree with NBIS. Added one year experience credit for associate's degree to agree with NBIS. Clarified procedure under "Returning to 'Active' Status from 'Suspended' Status" to incorporate the Bridge Inspection Refresher Courses.
January 26, 2018	Updated "Policy on Certification of Bridge Inspectors in Alabama". Added requirement of CBI applicants to successfully complete an ALDOT BrM / Element Inspection Training Course. Added the option for professional engineers to successfully complete NHI Course 130056 "Safety Inspection of In-Service Bridges for Professional Engineers" to satisfy the requirement for successfully completing the national bridge inspection school sponsored by the National Highway Institute (NHI). Updated terms and definitions.

1. Definitions

The following terms are commonly used in this document.

BrM	AASHTOWare Bridge Management. Software used by Alabama to manage a centralized database of all bridges in the State meeting the criteria of the National Bridge Inspection Standards (NBIS).
Agency	As used in this document, a public organization such as a state, county, or municipality that owns at least one structure that meets the definition of a bridge as specified by the NBIS.
Owner	An agency, company, private organization, or individual who owns at least one structure that meets the definition of a bridge as specified by the NBIS.

Policy on Certification of Bridge Inspectors in Alabama (March 2018) 1 / 6

Certifications | Qualifications

BrM 6

Experience

Team Leader Qualification Status

NHI 130055 or NHI 130056

Most Recent Refresher Training

Admin > CBI Report

USER REPORT

Search Fields

First Name:

Last Name: stump

Agency:

CBI Number:

Search | Clear

Name	CBI Number	Agency	Cert. Status	Exp. Req. Met	Test Status	Date of 2 Week Training	Date of Last 2-Day Training
Stump, Charles	1112	ALDOT	A	Yes	Pass	9/18/2017	10/13/2022

Dates of 2 Day Training

- 10/13/2022
- 10/17/2018
- 10/25/2017
- 11/14/2018
- 10/9/2019
- 7/18/2017

Past Refresher Trainings

1 | Page size: 20 | 1 items in 1 pages

Certifications | Qualifications

BrM 7

Certification Types

Experience Types | Certifications | Qualifications

Filter: Active

Search | Export

Name	Description
Bridge Inspection Experience	Bridge Inspection Experience as outlined in ALDOT's Policy on the Certification of
Underwater Bridge Inspection Experience	Underwater bridge inspection diver experience required for underwater bridge ins

1 | 15 | 1 - 2 of 2

Certification Types

Experience Types | Certifications | Qualifications

Filter: Active

Search | Export

Name	Description	SQL Statement Exists
ALDOT CBI	Updated 2025.04.08 to expire end of year refresher cert expires.	True
NSTM	Inspectors with an active ALDOT CBI Qualification and NHI 130078 (NSTM) certification.	True
UWBI Diver	Inspectors who meet the underwater bridge inspection diver qualification criteria.	True

Certification Categories

Filter: Active

Search | Export | Add New

Name	Description	Active
Bridge Inspection Refresher Training		True
BrM & Element Inspection		True
NHI Training		True
SNBI Training		True

1 | 15 | 1 - 4 of 4

Certifications

Filter: Active

Search | Export | Add New

Category 1	Name 2	Description	Hours	Valid For (
Bridge Inspection Refresher Training	ALDOT Bridge Inspection Refresher		10	
BrM & Element Inspection	BrM & Element Inspection Training		10	
BrM & Element Inspection	BrM Training			
BrM & Element Inspection	Element Inspection Training			
NHI Training	Fracture Critical (NSTM) Inspection Techniques - 130078		25	
NHI Training	Safety Inspection of In-Service Bridges - 130055		67	
NHI Training	Underwater Bridge Inspection - 130091		24	
SNBI Training	ALDOT SNBI Training		10	

Certifications | Qualifications

BrM 7

Years of Experience

Search | Export | Add New

Experience Type	Experience Start	Experience End	Number of Years
Bridge Inspection Experience	September 2017		8

- To exercise control over qualifications, user experience is only entered by an Admin user once the inspector's application is approved by central office.
- Expires end of year, 24 months after last bridge inspection refresher training

AASHTOWare™ Bridge Management

Back

Inspection Management
- Critical Findings Dashboard
- Inspection Assignment
- Inspection Reviews
- Manage Certifications

Inspection Management › Manage Certifications

Manage Certifications

User Certifications | User Qualifications | Temporary Qualifications Backup

Filter: Current

ALDOT | Export

Name	Agency	Qualification	Active	Expiration Date
	City of Dothan	ALDOT CBI	True	12/31/2026
	ALDOT	ALDOT CBI	True	12/31/2026
	CHUGACH MANAGEMENT SERVICES INC	ALDOT CBI	True	12/31/2026
		ALDOT CBI	True	12/31/2026
	RETIRED	ALDOT CBI	True	12/31/2026
	MARSHALL COUNTY	ALDOT CBI	True	12/31/2026
	SHELBY COUNTY	ALDOT CBI	True	12/31/2026
	HOUSTON COUNTY	ALDOT CBI	True	12/31/2026
	GREENE COUNTY	ALDOT CBI	True	12/31/2026
	ALDOT	ALDOT CBI	True	12/31/2026
	CLAY COUNTY	ALDOT CBI	True	12/31/2027
	ALDOT	ALDOT CBI	True	12/31/2026
	RUSSELL COUNTY	ALDOT CBI	True	12/31/2026
	GENEVA COUNTY	ALDOT CBI	True	12/31/2026
	Volkert	ALDOT CBI	True	12/31/2026
	Town of Cowarts	ALDOT CBI	True	12/31/2025
	ALDOT	ALDOT CBI	True	12/31/2026
	Porter-Higginbotham Engineering	ALDOT CBI	True	12/31/2026

1 2 3 4 5 | 1 - 25 of 330 | 25

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Certifications | Qualifications

BrM 7

- Users can view their own certifications & qualifications on the user profile page

Qualifications

Filter

Display User Active Qualifications

Search

Export

Name	Active for User	Expiration	Suspended
	True	12/31/2026	False

1 - 1 of 1

15

User Profile

User Profile

Account | Contact | License | Qualifications | Signature

Charles Stump
stumpc@dot.state.al.us

Certifications

Filter

All

Search

Export

Category	Certification	Date Completed	Expiration Date	Hours	Status	Approved/Denied By
SNBI Training	ALDOT SNBI Training	10/10/2024		10	Approved	Stump, Charles
NHI Training	Underwater Bridge Inspection - 130091	4/12/2024		24	Approved	Stump, Charles
NHI Training	Fracture Critical (NSTM) Inspection Techniques - 130078	6/14/2019		25	Approved	Stump, Charles
NHI Training	Safety Inspection of In-Service Bridges - 130055	9/18/2017		67	Approved	
BrM & Element Inspection	BrM & Element Inspection Training	7/18/2017		10	Approved	
Bridge Inspection Refresher Training	ALDOT Bridge Inspection Refresher	10/10/2024	9/30/2026	10	Approved	
Bridge Inspection Refresher Training	ALDOT Bridge Inspection Refresher	10/13/2022	9/30/2024	10	Approved	
Bridge Inspection Refresher Training	ALDOT Bridge Inspection Refresher	10/20/2021	9/30/2023	10	Approved	Stump, Charles
Bridge Inspection Refresher Training	ALDOT Bridge Inspection Refresher	10/14/2020	9/30/2022	10	Approved	Stump, Charles
Bridge Inspection Refresher Training	ALDOT Bridge Inspection Refresher	10/9/2019	9/30/2021	10	Approved	
Bridge Inspection Refresher Training	ALDOT Bridge Inspection Refresher	11/14/2018	10/31/2020	10	Approved	
Bridge Inspection Refresher Training	ALDOT Bridge Inspection Refresher	10/17/2018	9/30/2020	10	Approved	
Bridge Inspection Refresher Training	ALDOT Bridge Inspection Refresher	10/25/2017	9/30/2019	10	Approved	

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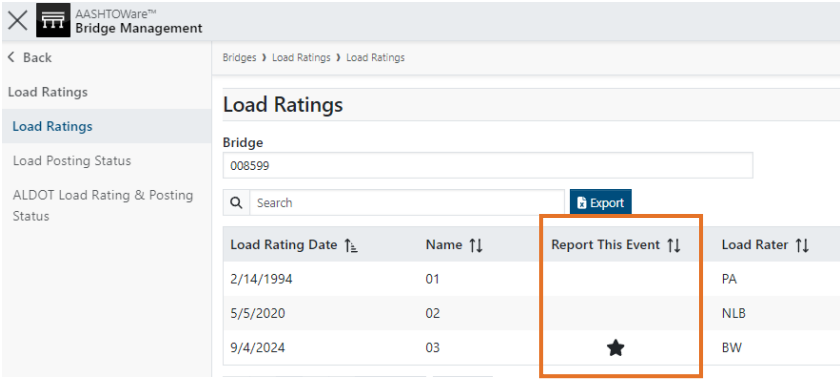
15

Load Ratings

Load ratings needed some touch up work

- Script to mark “Report This Event” (SNBI B.LR.## Items)
- Script to convert load rating vehicle tonnages to load factors
- Script to ratings for Operating Rating, Inventory Rating, and Controlling Legal Load Factor



Vehicle (B.EP.01)	Rating Factor (B.EP.02)	Tons	Analysis Type	Limit State	Location	Description
HS-20 Operating	1.35	48.60	0 Design	0 N/A		48.7 Tons converted using 36.00 Tons per vehicle.
HS-20 Inventory	0.81	29.16	0 Design	0 N/A		29.2 Tons converted using 36.00 Tons per vehicle.
H-TRUCK	1.85	37.00	1 Legal	0 N/A		37 Tons converted using 20.00 Tons per vehicle.
TANDEM AXLE	1.52	44.84	1 Legal	0 N/A		44.7 Tons converted using 29.50 Tons per vehicle.
TRIAXLE DUMP	1.15	43.13	1 Legal	0 N/A		43.1 Tons converted using 37.50 Tons per vehicle.
CONCRETE	1.27	41.91	1 Legal	0 N/A		41.8 Tons converted using 33.00 Tons per vehicle.
18-WHEELER	1.78	71.20	1 Legal	0 N/A		71.3 Tons converted using 40.00 Tons per vehicle.
6-AXLE	1.70	71.40	1 Legal	0 N/A		71.2 Tons converted using 42.00 Tons per vehicle.
SCHOOL BUS	3.54	44.25	1 Legal	0 N/A		44.2 Tons converted using 12.50 Tons per vehicle.
FHWA Type EV2 emergency vehicle	1.47	42.26	1 Legal	0 N/A		42.4 Tons converted using 28.75 Tons per vehicle.
FHWA Type EV3 emergency vehicle	1.01	43.43	1 Legal	0 N/A		43.4 Tons converted using 43.00 Tons per vehicle.

Inventory Load Rating Factor (B.LR.05)	Operating Load Rating Factor (B.LR.06)	Controlling Legal Load Rating Factor (B.LR.07)
	★	
★		
		★

Load Rating Vehicles

Before converting the vehicle tonnage to load factors vehicles must be configured

Settings › General Configuration › Vehicle Types

Vehicle Types

Sign Types | Vehicle Types

Export

Order	Code	Name	Description	Default Analysis Type	Gross	Sign Types	Add to Event	Active	Standard
1	HS20 O	HS-20 Operating	HS-20 Operating	0 Design	36		True	True	True
2	HS20 I	HS-20 Inventory	HS-20 Inventory	0 Design	36		True	True	True
3	HL93 O	HL-93 Operating	HL-93 Operating	0 Design	36		True	True	True
4	HL93 I	HL-93 Inventory	HL-93 Inventory	0 Design	36		True	True	True
5	S1	H-TRUCK		1 Legal	20	1) H-TRUCK, Gross Load	True	True	False
6	S2	TANDEM AXLE		1 Legal	29.5	2) TWO-AXLE, Gross Load	True	True	False
7	S3	TRIAXLE DUMP		1 Legal	37.5	3) TRI-AXLE , Gross Load	True	True	False
8	S4	CONCRETE		1 Legal	33	4) CONCRETE , Gross Load	True	True	False
9	S5	18-WHEELER		1 Legal	40	5) 18-WHEELER , Gross Load	True	True	False
10	S6	6-AXLE		1 Legal	42	6) SIX-AXLE , Gross Load	True	True	False
11	S7	SCHOOL BUS		1 Legal	12.5	7) SCHOOL BUS , Gross Load	True	True	False
12	EV2	FHWA Type EV2 emergency vehicle	FHWA Type EV2 emergency vehicle	1 Legal	28.75	8) EV2 - Single	True	True	True
13	EV3	FHWA Type EV3 emergency vehicle	FHWA Type EV3 emergency vehicle	1 Legal	43	9) EV3 - Tandem	True	True	True

Posting Sign Types

ALDOT Posting Vehicles

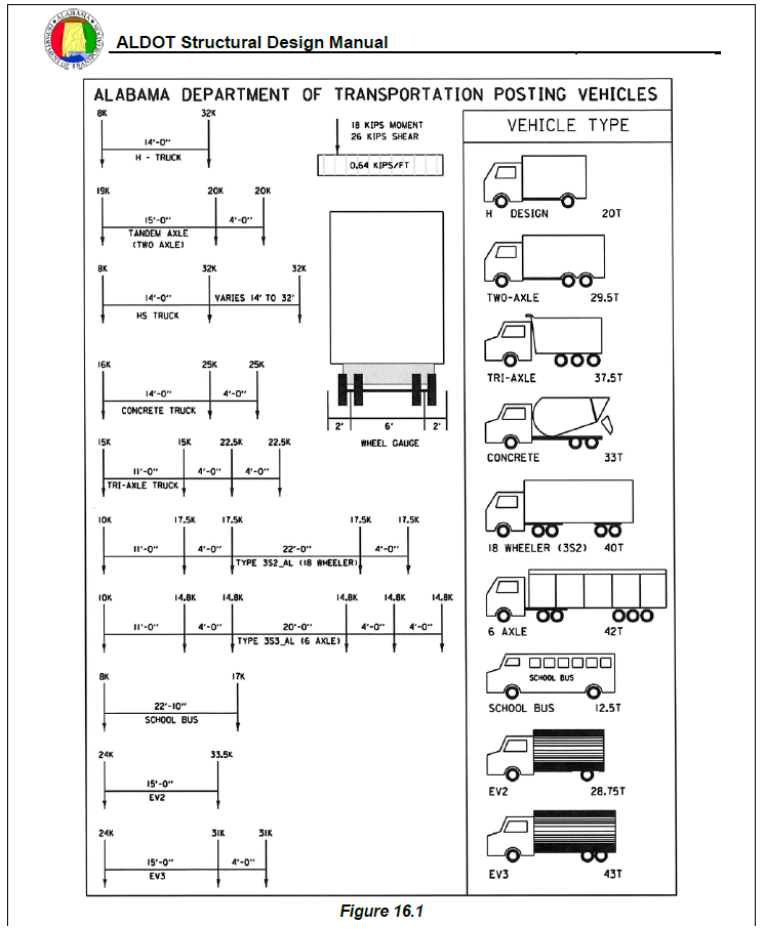
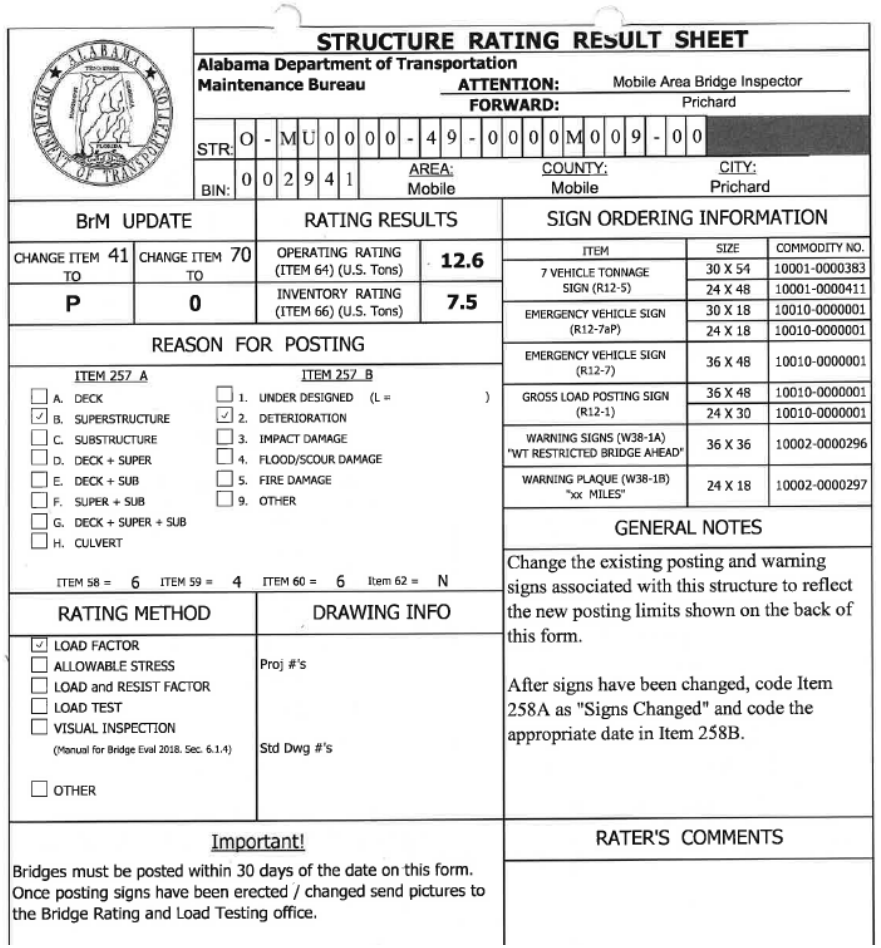


Figure 16.1



STRUCTURE RATING RESULT SHEET

Alabama Department of Transportation
Maintenance Bureau

ATTENTION: Mobile Area Bridge Inspector
FORWARD: Prichard

STR: O-MU0000-49-0000M009-00[redacted]
BIN: 002941

AREA: Mobile | COUNTY: Mobile | CITY: Prichard

BrM UPDATE		RATING RESULTS	
CHANGE ITEM 41 TO	CHANGE ITEM 70 TO	OPERATING RATING (ITEM 64) (U.S. Tons)	12.6
P	0	INVENTORY RATING (ITEM 66) (U.S. Tons)	7.5

REASON FOR POSTING

ITEM 257 A
- [ ] A. DECK
- [x] B. SUPERSTRUCTURE
- [ ] C. SUBSTRUCTURE
- [ ] D. DECK + SUPER
- [ ] E. DECK + SUB
- [ ] F. SUPER + SUB
- [ ] G. DECK + SUPER + SUB
- [ ] H. CULVERT

ITEM 257 B
- [ ] 1. UNDER DESIGNED (L =)
- [x] 2. DETERIORATION
- [ ] 3. IMPACT DAMAGE
- [ ] 4. FLOOD/SCOUR DAMAGE
- [ ] 5. FIRE DAMAGE
- [ ] 9. OTHER

ITEM 58 = 6 ITEM 59 = 4 ITEM 60 = 6 Item 62 = N

RATING METHOD
- [x] LOAD FACTOR
- [ ] ALLOWABLE STRESS
- [ ] LOAD and RESIST FACTOR
- [ ] LOAD TEST
- [ ] VISUAL INSPECTION (Manual for Bridge Eval 2018, Sec. 6.1.4)
- [ ] OTHER

DRAWING INFO
Proj #'s
Std Dwg #'s

Important!
Bridges must be posted within 30 days of the date on this form. Once posting signs have been erected / changed send pictures to the Bridge Rating and Load Testing office.

SIGN ORDERING INFORMATION

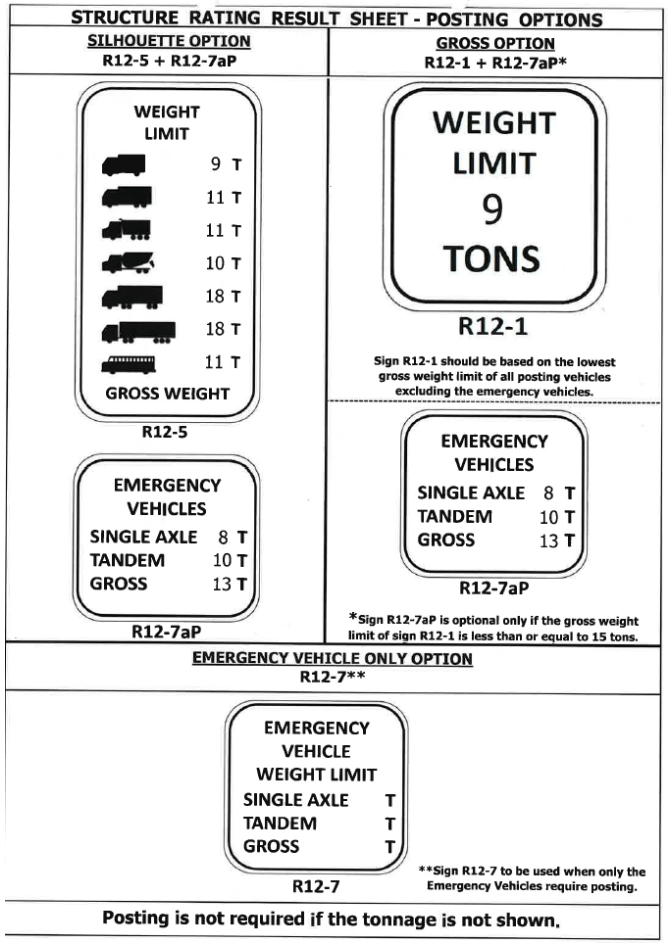
ITEM	SIZE	COMMODITY NO.
7 VEHICLE TONNAGE SIGN (R12-5)	30 X 54	10001-0000383
	24 X 48	10001-0000411
EMERGENCY VEHICLE SIGN (R12-7aP)	30 X 18	10010-0000001
	24 X 18	10010-0000001
EMERGENCY VEHICLE SIGN (R12-7)	36 X 48	10010-0000001
GROSS LOAD POSTING SIGN (R12-1)	36 X 48	10010-0000001
	24 X 30	10010-0000001
WARNING SIGNS (W38-1A) "WT RESTRICTED BRIDGE AHEAD"	36 X 36	10002-0000296
WARNING PLAQUE (W38-1B) "xx MILES"	24 X 18	10002-0000297

GENERAL NOTES

Change the existing posting and warning signs associated with this structure to reflect the new posting limits shown on the back of this form.

After signs have been changed, code Item 258A as "Signs Changed" and code the appropriate date in Item 258B.

RATER'S COMMENTS



Posting Sign Types

Created sign type for each posting vehicle

Vehicle Types

Sign Types | Vehicle Types

Filter
Active

Search | Export

Name	Reportable Posting Type	Active	Standard
1) H-TRUCK	Truck Load	True	False
2) TWO-AXLE	Truck Load	True	False
3) TRI-AXLE	Truck Load	True	False
4) CONCRETE	Truck Load	True	False
5) 18-WHEELER	Truck Load	True	False
6) SIX-AXLE	Truck Load	True	False
7) SCHOOL BUS	Truck Load	True	False
8) EV2 - Single	Truck Load	True	False
9) EV3 - Tandem	Truck Load	True	False
10) EV Gross	Truck Load	True	False
Gross Load		True	True

Edit Load Posting Status Sign

Sign Type *
3) TRI-AXLE

Posting Type (B.EP.03)
Truck Load

Posting Value (B.EP.04) *
11

Vehicle (B.EP.01)	Rating Factor (B.EP.02)	Tons
TRIAXLE DUMP	0.29	10.88

Save | Cancel | Delete

Load Posting Status & Values

Posting Status Change Date (B.PS.02) *
12/30/2019

Open/Posted/Closed *
Weight

Permanent/Temp/Supported *
Permanent

Load Posting Status (B.PS.01)
PP

Load Posting Status & Signs

Text of Load Posting Signs

Add New

Sign Type	Posting Type (B.EP.03)	Posting Value (B.EP.04)
1) H-TRUCK	Truck Load	9
2) TWO-AXLE	Truck Load	11
3) TRI-AXLE	Truck Load	11
4) CONCRETE	Truck Load	10
5) 18-WHEELER	Truck Load	18
6) SIX-AXLE	Truck Load	18
7) SCHOOL BUS	Truck Load	11

Configuring Multimedia

- We had many multimedia files that still referenced [MULTISERVER5] in the database. This was giving us multimedia trouble in the application and crystal reports.
- Mayvue developed a Multimedia File Migration Tool.
- Legacy multimedia files were moved into the current BrM multimedia folder structure and naming convention.

FileLoc	FileRef
NULL	007850042514.jpg
[MULTISERVER5]	007850031705.JPG
NULL	007850_2023-04-05 (20).JPG
[MULTISERVER5]	007850031904.JPG
NULL	007850042540.jpg
NULL	007850042513.jpg

AASHTOWare BrM Support / ALDOT APS Support / ALDOTBRM-46

Multimedia images not showing in BrM 7.0.1 that show in 6.7.1

Attached you'll find the **Multimedia File Migration Tool** we've developed to assist with organizing and migrating multimedia files currently stored under `[MULTISERVER5]`. This tool pulls metadata directly from the ALDOT_7 database, builds folder structures using `BridgeID`, `MultimediaFolder`, and `EventDate`, and moves each file into its correct location.

🔧 **Included: (Each file is clickable to download from Jira)**

- Move-LegacyMultimediaFiles.ps1 — the PowerShell script
- BrM7 Legacy Media Move.docx — usage guide and configuration steps

📝 **Key Features:**

- Supports **dry run mode** for safe previewing
- Automatically creates folders and moves files
- Logs every action in a CSV file
- Updates `IsMigratedFile = NULL` on successful move
- Works with over 170,000+ records efficiently

Please start by running the script in **dry run mode** (`$dryRun = $true`) to validate paths and log output. Once confirmed, set `$dryRun = $false` to proceed with the full migration. The rough estimation of this tool's runtime is around 2 hours.

Phase 1 Reports

Inspection Report (Field Form)

ALDOT
Alabama Department of Transportation

Inspection Report for Structure 000002

Database: Serenity Version: 7.0

04/12/2023 - COUNTRY CLUB BRIDGE

Bridge

Identification Data

	Current:	New:
Bridge Number (B.ID.01):	000002	
Agency Bridge ID:	000002	
Bridge Name (B.ID.02):	COUNTRY CLUB BRIDGE	
Bridge Nickname:		
Bridge Status:	3 Active	
Past Bridge ID (B.ID.03):		
Future Bride ID:		

Location Data

	Current:	New:
State Code (B.L.01):	1 Alabama	
Highway Agency District (B.L.04):	Fayette	
County Code (B.L.02):	Walker	
Place Code (B.L.03):	00000	
Metro Planning Org 1 (B.L.12):		
Metro Planning Org 2 (B.L.12):		
Bridge Location (B.L.11):	1 MILE EAST HWY 195	

Border Data

	Current:	New:
Designated Lead State (B.L.10):		
Border Bridge Number (B.L.07):	_	
Border State or Country (B.L.08):	No matching parameter	
Border Insp. Responsibility (B.L.09):	2	

Classification data

	Current:	New:
Owner (B.CL.01):	L01 County highway agency	
Maintenance Responsibility (B.CL.02):	L01 County highway agency	
Inspection Responsibility:		
Federal or Tribal Land Access (B.CL.03):	N	
Historical Significance (B.CL.04):	2 Bridge is eligible for the National Re	
Toll (B.CL.05):	N Does not carry toll road and is not toll bridge	
Emergency Evacuation Designation (B.CL.06):	N Not an Emergency evacuation route	

Construction data

	Current:	New:
Year Built (B.W.01):	1898	

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The 04/12/2023 Inspection of Structure 000002, COUNTRY CLUB BRIDGE

Schedule

Summary

	Current:	New:
Inspection Completion Date (B.IE.03):	2023-04-12	
Inspector:	Chesnutt, Jarrett	
Date Entered:	2023-04-12	
Entered by:	Chesnutt, Jarrett	
QA Date (B.IE.08):		
QC Date (B.IE.09):		
Inspection Data Update Date (B.IE.10):		

Inspection Needs

	Current:	New:
NSTM Inspection Required (B.IR.01):	Y NSTM inspection required	
Complex Features (B.IE.04):		
Fatigue Details (B.IR.02):		

Inspection Condition

	Current:	New:
Deck (B.C.01):	5 Fair	
Superstructure (B..C.02):	5 Fair	
Substructure (B.C.03):	6 Satisfactory	
Culvert (B.C.04):	4 Poor	
Bridge Condition Classification (B.C.12):	P Poor	
Lowest Condition Rating (B.C.13):	4	
Railing (B.C.05):	No matching parameter	
Railing Transition (B.C.06):	No matching parameter	
Bearing (B.C.07):	No matching parameter	
Joints (B.C.08):	No matching parameter	

Other Condition Ratings

	Current:	New:
Channel (B.C.09):	8 Very Good	
Channel Protection (B.C.10):	No matching parameter	
Scour (B.C.11):	No matching parameter	
NSTM Inspection Condition (B.C.14):	No matching parameter	
Underwater Inspection (B.C.15):	No matching parameter	

Appraisal

	Current:	New:
Approach Roadway Alignment (B.AP.01):		
Overtopping Liklihood (B.AP.02):	No matching parameter	
Scour Vulnerability (B.AP.03):	No matching parameter	
Scour Plan of Action (B.AP.04):	No matching parameter	
Seismic Vulnerability (B.AP.05):	No matching parameter	

Inspection Notes

Narrative of Inspection Elements (B.IE.11):

Agency Inspection Notes:

CHANNEL DRIFT U.S. DECK POSTED 3 TON BOTH SIDES ASPHALT DECK NEEDS PATCHING SUPER SECTION LOSS ON TRUSSES AND PINS AT TRUSS END @ B4 SUB SETTLED AT ABUT 1 AND B4 DEBRIS ON BENTS

UNDERWATER INSPECTION 3/31/2020 BRIDGE CLOSED ADVANCED SECTION LOSS COLUMNS 2-1, 3-2

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The 04/12/2023 Inspection of Structure 000002, COUNTRY CLUB BRIDGE

New:

Element Detail

	Elem No.	Element	Env	Total Qty	Unit	CS 1	CS 2	CS 3	CS 4
Current:	107	Steel Opn Girder/Beam	Ben	558	ft	0	558	0	0
New:									
Notes:	_								
Current:	1000	Corrosion	Ben	558	each	0	558	0	0
New:									
Notes:	_								
Current:	113	Steel Stringer	Ben	900	ft	0	900	0	0
New:									
Notes:	_								
Current:	1000	Corrosion	Ben	900	each	0	900	0	0
New:									
Notes:	_								
Current:	120	Steel Truss	Ben	332	ft	232	100	0	0
New:									
Notes:	_								
Current:	1000	Corrosion	Ben	100	each	0	100	0	0
New:									
Notes:	_								
Current:	152	Steel Floor Beam	Ben	65	ft	0	65	0	0
New:									
Notes:	_								
Current:	1000	Corrosion	Ben	65	each	0	65	0	0
New:									
Notes:	_								

Phase 1 Reports

Inspection Planning Report

ALDOT
Alabama Department of Transportation

Structures Due For Inspection

Search criteria given:

Report Date: 09/02/2025
Maintenance: All
Insp Responsibility: State Highway Agency
District: All
County: All
City: All

Area: Guntersville

IDENTIFICATION				TYPE INSPECTION DUE						EQUIP	
Bridge ID	Alabama_ID	Location	Posting Status	Routine	NSTM	UW	Special	Scour	DEL	A02	A03
000674	OAL0069 220262.75900	0.7 MI N JCT SR 67	PO	09/2025				09/2025			
000675	OAL0069 220264.35000	2.4 MI N JCT SR 67	PO	09/2025				09/2025			
000855	OAL0273 100009.51600	9.5 MI N JCT SR 68 *273	PO	09/2025				09/2025			
002722	OAL0075 480061.416+1	1.1 MI S JCT SR68 * SR75	PO	09/2025				09/2025			Y
003478	OAL0069 220223.01600	0.7 MI N JCT SR 91	PO	09/2025				09/2025			
003479	OAL0069 220223.66600	1.4 MI N JCT SR 91	PO	09/2025				09/2025			
003480	OAL0069 220225.10000	2.8 MI N JCT SR 91	PO	09/2025				09/2025			
003481	OAL0069 220226.31900	4.2 MI N JCT SR 91	PO	09/2025				09/2025			
006526	OAL0001 280257.903-1	US 431 .6 MI SO.US 278	PO	09/2025							Y
006527	OAL0001 280257.903+1	U S 431 .6 MI. SO. US 278	PO	09/2025							Y
007202	OAL0068 100045.55800	0.5 MI W JCT SR 68 * 35	PO	09/2025				09/2025			
010781	OAL0091 220007.16600	7 MI N JCT SR 69	SO				09/2025				Y
011038	OAL0069 480276.29200	1.4 MI W BROWNS CREEK	PO	09/2025				09/2025			
014778	OIN0565 450008.300-2	.3 M W JCT I565*AIRPRT RD	PO	09/2025						Y	Y
015204	OAL0069 220249.58400	2.5 MI N JCT US 278	PO	09/2025				09/2025			
015315	OIN0565 450014.03700	7.2 MI N COUNTY LINE RD	PO	09/2025						Y	Y
015668	OAL0001 450334.353+1	0.6 MI N JCT US231 *US431	PO	09/2025						Y	Y
015766	OMU0000 4500000010-1	1 MI. EAST CO. LINE RD.	PO	09/2025						Y	Y
015770	OMU0000 4500000010+1	1 MI E CO LINE RD	PO	09/2025						Y	Y
015948	OIN0565 450019.135-2	2.05 MI E JCT I565 * SR53	PO	09/2025						Y	Y
015954	OIN0565 450019.671-2	2.6 MI E JCT I565 * SR 53	PO	09/2025						Y	Y
015955	OIN0565 450019.676+2	2.6 MI E JCT I565 * SR 53	PO	09/2025						Y	Y
017494	OAL0077 280105.50900	AL 77 OVER HORTON CREEK	PO	09/2025				09/2025			

Structures Due:	This Month	Last Month	2 Months Ago	3 Months Ago	4 Months Ago	5 Months Ago	6 Months Ago	+ 6 MonthsAgo
Routine	22	0	0	0	0	0	0	0
NSTM	0	0	0	0	0	0	0	0
Underwater	0	0	0	0	0	0	0	0
Special	1	0	0	0	0	0	0	0
Scour	12	0	0	0	0	0	0	0
Total	35	0	0	0	0	0	0	0

A.1.6.5 Structure Insp Planning 2025-07-16 v0.9.rpt

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09/02/2025 15:23:17

Phase 1 Reports

Structures Recommended for Posting

BrM 7
STRUCTURES RECOMMENDED FOR POSTING
(B.PS.01 Needs Action, Needs Reduction, or Missing)
SIGNS NOT IN PLACE

DIVISION:
COUNTY:
CITY:

BIN	STRUCT NUM	FEATURES INTERSECTED	RATING DATE	Posting Status	Posting Status Date
012242	OCO0080 250000M01100	YELLOW CREEK	07/31/2025	PA	07/31/2025
004389	OAL0050 620004.87500	WIND CREEK	05/30/2025	PA	05/30/2025
006685	OCO0083 230000113X00	EAST CHOCTAWHATCHEE R	05/23/2025	PD	05/23/2025
011859	OCO0134 360000192Z00	BRANCH	07/14/2025	PD	07/14/2025
003814	OCO0067 230000108X00	EAST CHOCTAWHATCHEE R	05/08/2025	PA	05/08/2025
004186	OCO0415 480000072Z00	DRUM CREEK	07/23/2025	PD	07/23/2025
005488	OCO0014 230000107X00	KELLY CREEK	05/09/2025	PD	05/09/2025
008732	OCO0020 230000118X00	JUDY CREEK	05/23/2025	PD	05/23/2025
004355	OCO0036 230000115X00	WEST CHOCTAWHATCHEE R	05/12/2025	PD	05/12/2025
006684	OCO0083 230000112X00	EAST CHOCTAWHATCHEE R	05/19/2025	PA	05/19/2025
007450	OCO0071 230000103Z00	LITTLE CHOC RIVER	05/12/2025	PD	05/12/2025
005285	OCO0076 250000120Z00	SOUTH FORK	07/22/2025	PD	07/22/2025
007368	OCO0021 230000111X00	HURRICANE CREEK	04/29/2025	PD	05/13/2025
013387	OCO0145 540000002Z00	LITTLE COALFIRE BRANCH	04/10/2025	PD	04/15/2025
005487	OCO0014 230000106X00	KILLEBREW MILL CREEK	05/08/2025	PA	05/08/2025
003095	OCO0054 230000119Z00	COTTON CREEK	05/08/2025	PA	05/08/2025
005986	OCO0073 230000129X00	BLACKWOOD CREEK	05/12/2025	PD	05/12/2025
010981	OCO0060 230000089Z00	LITTLE JUDY CREEK	07/01/2025	PD	07/01/2025
020218	OCO0000 650000008800	BRUSHY CREEK	07/30/2025	PA	07/30/2025
012198	OCO0060 140000040Z00	HORSE CREEK	04/01/2025	PA	04/01/2025
006652	OCO0068 230000123X00	WEST CHOCTAWHATCHEE R	05/19/2025	PA	05/19/2025
006653	OCO0068 230000124X00	WEST CHOCTAWHATCHEE R	05/19/2025	PA	05/19/2025
004357	OCO0036 230000117X00	JUDY CREEK	05/09/2025	PD	05/09/2025
004356	OCO0036 230000116X00	JUDY CREEK	05/09/2025	PD	05/09/2025
004354	OCO0036 230000114X00	WEST CHOCTAWHATCHEE R	05/08/2025	PA	05/08/2025
006654	OCO0068 230000127X00	LITTLE JUDY CREEK	05/19/2025	PD	05/19/2025

TOTAL NUMBER OF STRUCTURES: 26

Reports

Generate Report

Report Name

M.1.0 Performance Measure Detail

File Format *

PDF

Arguments

Start Condition *

Good

End Condition *

Fair

Generate | Cancel

BIN: 011176 | FACILITY CARRIED: US231; US431; SR1 | NHS: Y

AREA: Guntersville | FEATURE INTERSECTED: BRIAR FORK FLINT RIVER | YEAR BUILT: 1974

OWNER: S01 | FHWA DECK AREA (FT²): 26,311.70 | AGE: 51

Insp Date	Insp Type	G/F/P	Deck	Super	Sub	Culv	Photos	Inspector
12/09/2024	Routine	F	6	7	7	N	13	Brian Scott McDowell
12/21/2022	Routine	G	7	7	7	N	10	Windell LaBron White

16

			Unit	Total Qty.	CS 1	CS 2	CS 3	CS 4
12/09/2024	16	Re Conc Top Flange	sq.ft	26,364	0	26,353	11	0
					0.00%	*99.96%*	*0.04%*	*0.00%*
12/21/2022	16	Re Conc Top Flange	sq.ft	26,364	26,333	30	1	0
					99.88%	*0.11%*	*0.00%*	*0.00%*

110

			Unit	Total Qty.	CS 1	CS 2	CS 3	CS 4
12/09/2024	110	Re Conc Opn Girder/Beam	ft	3,672	3,657	13	2	0
					99.59%	*0.35%*	*0.05%*	*0.00%*
12/21/2022	110	Re Conc Opn Girder/Beam	ft	3,672	3,657	13	2	0
					99.59%	*0.35%*	*0.05%*	*0.00%*

Reports

FEDERALLY REQUIRED LIST

September 04, 2
Page 1 o

Report Criteria

Maint: 501 State transportation department
Insp Resp: All
Area: Birmingham
County: All
City: All

STRUCTURES SUMMARY

STRUCTURE TYPES

	Total	FHWA Deck Area (Sq Ft)	AL Deck Area (Sq Ft)
Total Active Structures:	860	22,146,554	22,955,623
Total Active Bridges:	662	21,567,503	21,567,502
Total Active Culverts:	198	579,051	1,388,121
Total Active Unknown Type:	0	0	0

INSPECTION TYPES

	Total	FHWA Deck Area (Sq Ft)	AL Deck Area (Sq Ft)
Routine	860	22,146,554	22,955,623
Underwater	15	413,305	413,305
NSTM	18	968,835	968,835
Special	25	196,219	207,166
Scour	377	4,061,240	4,870,309

EQUIPMENT TYPES

	Total
A01 Ladder	9
A02 Bucket lift vehicle	434
A03 Under bridge inspection vehicle	136
A04 Rigging	270
A06 Boat	8
AX ATV	0

SCOUR SUMMARY

	Total
Structures requiring scour evalutaions:	377
Structures with scour problems:	6
Structures with scour evaluations:	375
Structures without scour evaluations:	2

FEDERALLY REQUIRED LIST

Report Criteria

Maint: 501 State transportation department
Insp Resp: All
Area: Birmingham
County: All
City: All

POSTING STATUS COUNTS

Posting Status	Description	Total
C	Closed	1
N	Permanent - New	3
PA	Permanent - Needs Action	0
PA-T	Needs Action	0
PD	Permanent - Needs Reduction	0
PM	Permanent - Missing	0
PO	Permanent - Open	847
PP	Permanent - Weight	0
PP-T	Weight	2
PR	Permanent - Other	0
PR-T	Other	0
SA	Supported - Needs Action	0
SD	Supported - Needs Reduction	0
SM	Supported - Missing	0
SO	Supported - Open	8
SP	Supported - Weight	0
SR	Supported - Other	0
TA	Temporary - Needs Action	0
TD	Temporary - Needs Reduction	0
TM	Temporary - Missing	0
TO	Temporary - Open	0
TP	Temporary - Weight	0
TR	Temporary - Other	0

FEDERALLY REQUIRED LIST

September 04, 2025
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Report Criteria

Maint: 501 State transportation department
Insp Resp: All
Area: Birmingham
County: All
City: All

STRUCTURES REQUIRING UNDERWATER INSPECTION

BIN	STRUCTURE NUMBER	UW INSP INTERVAL	LAST UW INSP	SUB RATING	CULV RATING	UW INSP RATING	POSTING STATUS
007850	OIN0020 580164.462-1	24	08/20/2024	6	N	6	PO
007851	OIN0020 580164.462+1	24	08/20/2024	6	N	5	PO
007979	OAL0034 580004.47000	24	08/06/2025	6	N	7	PO
009187	OAL0269 370017.91100	24	08/18/2025	5	N	7	SO
009789	OAL0145 590024.95000	24	07/28/2025	6	N	7	PO
010641	OAL0004 580138.50000	24	08/19/2024	5	N		PO
010999	OAL0119 590030.15000	24	08/18/2025	6	N	N	PO
012428	OAL0269 370005.300+1	24	10/29/2024	6	N		PO
013319	OAL0038 590031.600-1	24	08/11/2025	6	N	7	PO
013632	OAL0025 590141.16000	24	10/28/2024	6	N		PO
015300	OAL0038 370005.600-1	24	10/28/2024	6	N		PO
015301	OAL0038 370005.680+1	24	10/28/2024	6	N		PO
017272	OAL0038 590031.600+1	24	08/11/2025	6	N	8	PO
017836	OAL0269 370015.90400	24	10/29/2024	7	N		PO
018213	OAL0025 580207.27200	24	08/19/2024	7	N	7	PO

TOTAL STRUCTURES REQUIRING UNDERWATER INSPECTION = 15

Reports

Generate Report

Report Name
I.1.5 Two Day Attendance

File Format *
PDF

Arguments

Year *
2024

☑ ShowDetails

Generate | Cancel

REPORT I.1.5 - CBI TWO DAY ATTENDANCE REPORT

TOTALS

Date	Attendance
03/06/2024	60
10/10/2024	75
10/17/2024	72
11/14/2024	69
11/21/2024	57
12/05/2024	80
12/12/2024	66

2024 TOTAL ATTENDANCE = 479

REPORT I.1.5 - CBI TWO DAY ATTENDANCE REPORT

12/05/2024

Windell - 593 12/05/2024
ALDOT Bridge Inspection Refresher
ALDOT SNBI Training

Winstor - 854 12/05/2024
ALDOT Bridge Inspection Refresher
ALDOT SNBI Training

Zachary - 1570 12/05/2024
ALDOT Bridge Inspection Refresher
ALDOT SNBI Training

Total: 80

Reports

ALDOT
Alabama Department of Transportation

Load Ratings Summary

County: Autauga

STRUCTURES SUMMARY

STRUCTURE TYPES

	Total
Total Active Structures:	69
Total Active Bridges:	36
Total Active Culverts:	33

LOAD RATINGS SUMMARY

Total Bridges Rated in BrR = 18 (50.00%)

Total Bridges Rated by PE Inspection or Other = 10 (27.78%)

Total Bridges Needing More Information = 8 (22.22%)

BRIDGES NEEDING MORE INFORMATION

BIN	LOCAL ID	FACILITY CARRIED	FEATURE INTERSECTED
017066	058Z	CO RD 82	BRIDGE CREEK
016616	060Z	CO RD 6	AUTAUGA CREEK
014610	061Z	CO.RD. 64	MORTAR CREEK
013242	013X	CO.RD.8	LITTLE-MULLBERRY CREEK
012579	039Z	CO.RD.33	PINE CREEK
012263	074Z	CO.RD 14	BIG MULBERRY CREEK
011577	041Z	CO.RD 60	BUCK CREEK
004008	025X	CO.RD.4	AUTAUGA CREEK

ALDOT
Alabama Department of Transportation

Load Ratings Summary

County: Montgomery

STRUCTURES SUMMARY

STRUCTURE TYPES

	Total
Total Active Structures:	197
Total Active Bridges:	191
Total Active Culverts:	6

LOAD RATINGS SUMMARY

Total Bridges Rated in BrR = 190 (99.48%)

Total Bridges Rated by PE Inspection or Other = 1 (0.52%)

Total Bridges Needing More Information = 0 (0.00%)

BRIDGES NEEDING MORE INFORMATION

BIN	LOCAL ID	FACILITY CARRIED	FEATURE INTERSECTED
None To Display			

Reports

ALDOT
Alabama Department of Transportation

CBI Roll Report

Name:	
Agency:	ALDOT
Title:	BRIDGE BUREAU
Qualifications	
Type:	Status: Expiration:
Address	
Street:	1409 COLISEUM BLVD
City:	MONTGOMERY
State:	AL 36117
Contact	
Phone:	
Email:	
Signature	
	Date:

Name:	
Agency:	LAUDERDALE COUNTY
Title:	ROAD DEPT
Qualifications	
Type:	Status: Expiration:
NBIS Team Leader Cert	Current 11-30-2025
NSTM Team Leader Cert	Current 11-30-2025
Address	
Street:	P O BOX 1059
City:	FLORENCE
State:	AL 35631
Contact	
Phone:	
Email:	
Signature	
	Date:

Name:	
Agency:	GREENE COUNTY
Title:	ENGINEERING
Qualifications	
Type:	Status: Expiration:
Address	
Street:	521 PARIRIE AVE.
City:	EUTAW
State:	AL 35462
Contact	
Phone:	
Email:	
Signature	
	Date:

Name:	
Agency:	ALDOT - West Central Region
Title:	
Qualifications	
Type:	Status: Expiration:
Address	
Street:	
City:	
State:	
Contact	
Phone:	
Email:	
Signature	
	Date:

Name:	Charles Stump
Agency:	ALDOT
Title:	Maintenance Bureau
Qualifications	
Type:	Status: Expiration:
ALDOT CBI	Current 12-31-2026
Address	
Street:	1409 Colliseum Blvd.
City:	Montgomery
State:	AL 36110
Contact	
Phone:	(334) 242-6284
Email:	stumpc@dot.state.al.us
Signature	
	Date:

Reports

ALDOT
Alabama Department of Transportation

Qualification Statistics Report

Qualification Summary

Qualification	Current	Expired	Suspended
ALDOT CBI	331	11	0
NSTM	98	0	0
UWBI Diver	18	0	0

Details

Qualification Type: ALDOT CBI

Name	Agency	CBI Number	Expiration Date
		571	12-31-2026
		798	12-31-2026
		265	12-31-2026
		397	12-31-2026
		372	12-31-2026

Dashboards

Very useful with many – to – one relationships

If it was a report better suited for a dashboard then we converted to dashboard only.

Any report that was developed we duplicated as much of the data in a dashboard as possible.

Asset Type: Bridge
Event Type: All

Search | Export | Add New

Name	Event Type	Standard
BRLT Dashboard		False
BrM Default Bridge Dashboard		True
Clearances Dashboard		False
D.1.6.15 Rating Inventory Report	Bridge Inspection	False
D.1.6.2 Structure Sounding Dashboard		False
D.1.6.5 Insp Planning		False
D.1.6.7 Federally Required List		False
Data Checks		False
Features Dashboard		False
I.1.9 CBI Certification Status (Zac)		False
KMZ Dashboard		False
Multimedia Review		False
SNBI Temp Codes		False
Training Dashboard		False
User List		False
Users Dashboard		False
Work Candidates Dashboard		False

Dashboards

D.1.6.2 Structure Sounding Dashboard

Filters

Maintenance	Insp Resp	Division	County	City	MPO

Counts

	Count
Over Water	14332
Not over water	1668
Total	16000

	Count
Total Bridges	7931
Total Culverts	6401
Known Foundations	12560
Unknown Foundations	1772

	Present	Not Present
Bridge Detail	14332	23
Original Streambed	11043	3312
Streambed Soundings	14329	26
Scour Potential Eval	1616	12739
Streambed Soundings (with date)	14329	

bridgeid	RecordCount	CSdate
014094	20	02/2024
000458	36	06/2025
003047	28	01/2024

Dashboards

D.1.6.5 Insp Planning

Insp Respby	Area	County	City
State Hwy Agency	Guntersville		

Inspections

	Next Month	Current	1 Month	2 Months	3 Months	4 Months	5 Months	>= 6 Months
Bridges	27	23	0	0	0	0	0	0

BIN	Insp Respby	Area	County	City	R	NSTM	UW	SP	SC	PostingStatus
000675	01	1	Cullman	Unknown	Y				Y	PO
007202	01	1	Cherokee	GAYLESVILLE	Y				Y	PO
006527	01	1	Etowah	0 No FIPS Place Code	Y					PO
006526	01	1	Etowah	0 No FIPS Place Code	Y					PO
002722	01	1	Marshall	Unknown	Y				Y	PO
000674	01	1	Cullman	Unknown	Y				Y	PO
003478	01	1	Cullman	Unknown	Y				Y	PO
015954	01	1	Madison	HUNTSVILLE	Y					PO

Dashboards

Data

Totals

	# Structures	FHWA Deck Area	AL Deck Area
Total Active Structures	576	18,067,364	19,207,474
Total Active Bridges	387	18,031,148	18,031,148
Total Active Culverts	189	36,216	1,176,326
Total Active Unknown Structure Type	0		

Inspections

Underwater Required	151
NSTM Required	7
Special Required	12
Special Required (On-NHS)	10
Special Required (Off-NHS)	2

Conditions

Deck Condition = 4	0
Super Condition = 4	2
Sub Condition = 4	1
Culvert Condition = 4	1
Deck Condition = 3 or less	0
Super Condition = 3 or less	0
Sub Condition = 3 or less	0
Culvert Condition = 3 or less	0

Posted and Closed

Posted Structures	0
Closed Structures	0
Permanent-Needs Action (PA)	0
Temporary-Weight (TP)	0
Permanent-New (N)	0
Temporary-Open (TO)	0
Supported-Open (SO)	2
Permanent-Open (PO)	574
Permanent-Needs Reduction (PD)	0

Equipment

A01 Ladder	2
A02 Bucket lift vehicle	135
A03 Under bridge inspection vehicle	274
A04 Rigging	272
A06 Boat	50
AX ATV (Other)	0

Scour

B.AP.03 Scour Vulnerability		B.AP.02 Overtopping Likelihood	
B.AP.03 = 0	3	0 - Never	0
B.AP.03 = A	400	1 - Remote (once every 100 years or less frequently)	181
B.AP.03 = B	0	2 - Very low (once every 51 to 99 years)	0
B.AP.03 = C	0	3 - Low (once every 26 to 50 years)	2
B.AP.03 = D	13	4 - Moderate (once every 11 to 25 years)	0
B.AP.03 = E	0	5 - High (once every 3 to 10 years)	0
B.AP.03 = U	0	6 - Very High (once every 2 years or more frequently)	2
-T (Temporary Code)	0	-T (Temporary Code)	232

Dashboards

Asset Table Grid returns the same columns as the crystal report

Inspections

Underwater Required	151
NSTM Required	7
Special Required	12
Special Required (On-NHS)	10
Special Required (Off-NHS)	2

Asset Table Grid

NSTM Required

Export to XLS Export to KML

BIN	AL_ALABAMA_ID	LastInsp	IntervalMonths	Inspection Code	Inspection Type	Required for Bridge	postingstatus	PostingStatusDate	SuperRating	NSTMRating	FatigueDetails
001390	OAL0003 180095.83300	02/24/2023	24	MUYI	NSTM	true	PO	02/24/2023	5		
008714	OAL0016 490037.344-1	09/20/2024	12	TEBZ	NSTM	true	PO	09/20/2024	4		
012321	OIN0065 490024.309-1	11/22/2024	24	AVBF	NSTM	true	PO	11/22/2024	5		
012322	OIN0065 490024.309+1	11/21/2024	24	SMEG	NSTM	true	PO	11/21/2024	5		
013393	OAL0188 490010.04300	08/28/2024	24	VZBO	NSTM	true	PO	02/11/2025	6		
015508	OIN0165 490000.100-1	02/06/2025	24	TBNV	NSTM	true	PO	02/06/2025	5		
015574	OIN0165 490000.100+1	02/25/2025	24	XRSJ	NSTM	true	PO	02/25/2025	6		

Dashboards

D.1.6.15 Rating Inventory Report

Area	County	City	Maintenance Responsiblity	Status	Feature Location
				3 Active	C Carried on bridge

Structure Count

Filtered
16017

Report A_1_6_15 - Data

Filtered

Export to XLS Export to KML

STRUCTURE NUMBER	FEATINT/FACILITY	AREA/DIVISION	DST	BIN	DSN	YEAR BUILT	RE CNST DATE	MN CON	APR CON	NUM MN SPN	NUM APR SPN	OPN PST CLS	OPR	LOCATION	INV	DCK	SPR	SUB	CHA	CUL	CUSTODIAN	COUNTY	CITY	ROUTE_ID	ST_OPNL_STAT	REC_TYPE
OCO0000 430000139Z00	MAJOR RELPH RD OVER CREEK	Montgomery	00	014094	HS20	1987				0	0	PO		1 MI EAST OF CO RD 7		N	N	N	6	7	L01	085	0	CO0000000	3	H01/C
OMU0002 050000136Z00	2ND AVENUE WEST OVER MILL CREEK	Birmingham	02	000458	H10	1928		M01: CR-T/GT-T		3	0	PP-T		.2 MI NO OF SO CTY LM		5	5	5	6	N	L03	009	57000	MU0002000	3	H01/C
OMU0015 510000M00100	WOODL									3	0	PP-T		0.75 MI W OF VIR. LOOP							L03	101	51000	MU0015000	3	H01/C
OCO1267 030000084Z00	MARTIN									5	0	C		3.2 MI NE OF CO 89							L01	005	00000	CO1267000	3	H01/C
																					S01	033	53016	AL0133000	3	H01/C

Dashboards

BRLT Dashboard

Table

Totals

Structures	20801
Load Ratings	20801

Asset Table Grid

Load Ratings

Export to XLS Export to KML

BIN	AlabamaID	Rating Date	ID	Method	SoftwareUsed	SecondarySoftware	HS-20 OP RF	HS-20 OP Tons	HS-20 Inv RF
008599	OIN0085 440042.669-1	09/04/2024	514A44DF1B8547F2827EC4853878FC78	LFR	AASHTO BrR (Virtis)	No matching parameter	1.35	48.6	0.81
018599	OCO0001 650000029Z00	05/01/2002	32433DC2D21749AEAE5DD76D782D0772	LFR	AASHTO BrR (Virtis)	Not Rated / Analyzed	1.69	60.84	1.01

HS-20 Inv Tons	H-Truck RF	H-Truck Tons	Tandem RF	Tandem Tons	Triaxle RF	Triaxle Tons	Concrete RF	Concrete Tons
29.16	1.85	37	1.52	44.84	1.15	43.125	1.27	41.91
36.36	2.34	46.8	1.91	56.345	1.45	54.375	1.6	52.8

18-WHLR RF	18-WHLR Tons	6-AXLE RF	6-AXLE Tons	SCHOOL BUS RF	SCHOOL BUS Tons	EV2 RF	EV2 Tons	EV3 RF	EV3 Tons
1.78	71.2	1.7	71.4	3.54	44.25	1.47	42.2625	1.01	43.43
2.25	90	2.12	89.04	4.46	55.75				

Dashboards

If your BrM 6.x database is running on the same database server as the BrM 7.x database, you can pull BrM 6 data into reports and dashboards.

Clearances Dashboard

Counts

BrM 7 - Routes with Vertical Clearance <=16 ft	124
BrM 6 - Routes with Vertical Clearance <= 16 ft	99

Asset Table Grid

BrM 7 - Routes with Vertical Clearance <=16 ft

Export to XLS Export to KML

BIN	Area	County	FacilityCarried	FeatureIntersected	BridgeStatus	MaintenanceResponsibility	Owner	YearBuilt	Alabama ID
000272	6	Butler	CSX RR	AL 10	3 Active	R	R	1925	OAL0010 070123.16400
000381	9	Escambia	B & N RR	US 31	3 Active	R	R	1927	OAL0003 270041.20900
000552	4	Calhoun	CSX RAILROAD	SR 204	3 Active	R	R	1928	OAL0204 080000.40300

Latitude	Longitude	BridgeLocation	Feature Location	Feature Designation	FeatureName	LRS Inv Route	MP	Route Dir	Min Vert Clearance - BH13
31.828333	-86.628333	GRNVILLE-.2MI E OF AL 185	B	H02		AL0010000	123.164	2-T	10.5
31.024113	-87.497044	0.2 MI S SR 21	B	H02	B & N RR	AL0003000	41.209	T	15.9
33.856472	-85.905722	0.7 MI EAST JCT US 431	B	H02	CSX RAILROAD	AL0204000	0.403	2-T	16

Dashboards

Data Checks

Duplicate Inspection Count

Duplicate Inspection Count	15

Structures Reported to FHWA

Active Structures Less than 20ft Total Length	28
Active Reported Structures	16016
Active Not Reported Structures	124
Active Not Reported Structures (Errors)	1
Proposed Reported Structures	82
Proposed Not Reported Structures	613

No Span Sets

Active with No Span Sets	4

Previous / Replacement BINs

Bridges with Previous BIN	3226
Bridges with Replacement BIN	3154

Elements

Steel Piles	4391
Timber Piles	597

Inspections Review

Routine Inspections Completed This Month	31
Routine Inspections Completed Last Month	394
Routine Inspections Completed 2 Months Ago	501
Routine Inspections Completed 3 Months Ago	443
Scour Inspection Date with no Cross Sections	9

Active Bridges No Inspections / Posting Status

Active status no posting status	0
Active status no inspections	0

Dashboards

Multimedia Review

Filters

MaintenanceResponsibility	Inspection Responsibility	Area	County	PlaceCode
	State Highway Agency	Birmingham		

Total Structures	876	
Structures with Bridge Context Pictures	859	98.06%
Structures without Bridge Context Pictures	17	
Structures with Inspection Context Pictures	860	98.17%
Structures without Inspection Context Pictures	16	
Structures with Latest Inspection Inspection Context Pictures	831	94.86%
Structures without Latest Inspection Inspection Context Pictures	45	

Dashboards

SNBI Temp Codes

Scour Rating	11843
Overtopping Likelihood	6475
Scour Vulnerability	5
Scour Plan of Action	13
Substructure Navigation Protection	53
Border Bridge Inspection Responsibility	0
Federal Lands Access	0
Historical Significance	0

Asset Table Grid

Export to XLS Export to KML

BIN	LastInsp	OvertoppingLikelihood
000002	03/31/2020	VLM-T
000037	02/20/2025	VLM-T
000064	10/17/1995	VLM-T

Dashboards

Training Dashboard

Certification Category

Certification

Year

Training Results

Attendence	10031

Training Dashboard

Certification Category: Bridge Inspection Refresher Training

Certification: ALDOT Bridge Inspection Refresher

Year: 2024

Training Results

Attendence	419

Asset Table Grid

Attendence

Export to XLS | Export to KML

rn	firstname	lastname	DateCompleted	name	email	rolename
			10/10/2024	ALDOT Bridge Inspection Refresher		Read Only
			10/10/2024	ALDOT Bridge Inspection Refresher		A Bridge Inspector
			10/10/2024	ALDOT Bridge Inspection Refresher		Bridge Data Entry
			10/10/2024	ALDOT Bridge Inspection Refresher		A Bridge Inspector

Dashboards

Users Dashboard

User Roles

A Bridge Inspector	247
Admin	10
ALDOT Area Bridge & Tunnel Inspector	6
ALDOT Area Bridge & Tunnel Operations	1
ALDOT Area Bridge Inspector	27
ALDOT Area Bridge Operations	7

ALDOT Area Bridge Inspector	27
ALDOT Area Bridge Operations	7
Bridge & Tunnel Inspector	1
Bridge Data Entry	167
Default	2
FHWA	3

Mayvue	2
No Access	36
Rating	6
Read Only	237
Scour	5

Users with "@mayvue.com" email address

Users with "@mayvue.com" email address	442

Dashboards

Dashboards can be a useful way of providing limited information to specific roles / groups / users

User List

Users

Users	775

User List

User List

Export to XLS Export to KML

IsActive	FirstName	LastName	Agency	PhoneNumber	email	role

Dashboards

Work Candidates Dashboard

Dashboard Notes:

SQL is hard-coded for: Maint = S01; Highway On; Active Status; Excludes Closed

Records returned are limited to current user's access

Filters

Area

Troy

Data

Work Candidates

High Priority	Medium Priority	Low Priority	All
595	400	2	997

bridgeid	ALDOT Area	County	ALDOT District	Name	Rec Date (yyyy/mm/dd)	Comp Date (yyyy/mm/dd)	Priority	TargetYear	Status	Source
001746	7	Crenshaw	03	B44 "MN BEARING DEV-INS,MT,REP"	2025/08/25		High	2025		Inspector Recommended
002103	7	Covington	03	B26 BRIDGE CULVERT CLEANING	2025/08/19		High	2025	Under Review	
011894	7	Barbour	06	B30 SLOPE & SHORE PROT REPAIR	2025/08/12		High	2025		Inspector Recommended

Dashboards

Features Dashboard

Dashboard Notes:

Dashboard coded for structures in Active status

Data

Features

Type	Carried	Below	Above	Top Level	Lower Level
Highways	16377	1717	6	1	0
Railroad	2	625			
Pathway	360	13			
Waterway		13608			
Relief for waterway		747			
Urban Feature	2	2			
Dry Terrain or Side Slope		0			
Other	0	59			

Many–to–one data sets are easily searched when using a dashboard

Dashboards

Features

Type	Carried	Below	Above	Top Level	Lower Level
Highways	16377	1717	6	1	0

Location	Designation	FeatureName	Name	LRSRouteID	MilePoint	MinVerticalClearance	NHSDesignation	RouteNumber	RouteType	Direction
B	H02	I65 SBL	H Highway	AL0010000	120.869	16.8	Y	10	3	2-T
B	H02	US80	H Highway	IN0065000	167	17.3	Y	65	1	2-T
B	H04	I-10 WBL	H Highway	IN0010000	22.22	16	Y	10	1	1-T

Type	Carried	Below	Above	Top Level	Lower Level
Relief for waterway		747			

Location	Designation	FeatureName	Name
B	F01	WARRIOR RVR REL (-)	F Relief for Waterway
B	F01	STREAM	F Relief for Waterway
B	F01	SIPSEY RIVER RELIEF	F Relief for Waterway

Application Connections

- Connecting in-house and third-party applications
  - Comprehensive Project Management System (CPMS)
    - System developed in-house
    - Direct connection to database servers utilizing database views
  - Maintenance Management System (ATOM)
    - Third-party application
    - Utilizes BrM API
    - Currently working with AASHTOWare OpenAPI to connect
  - ESRI
    - Direct connection to database servers utilizing database views
  - Oversize / Overweight Permitting & Routing (ALPASS)
    - TBD
  - AASHTOWare Bridge Rating (BrR)
    - Utilizes BrM API
    - Waiting for BrR vendor to update BrR- BrM API integration

Cole Stump, P.E.

Bridge Operations Engineer

Alabama DOT

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