



Qualifications in BrM

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Alabama DOT

23 CFR § - 650.307 (2022) Bridge inspection organization responsibilities.

Federal Register / Vol.

PART 650—BRIDGES, STRUCTURES, AND HYDRAULICS

■ 1. The authority citation for part 650 continues to read as follows:

Authority: 23 U.S.C. 119, 144, and 315.

■ 2. Revise subpart C to read as follows:

Subpart C—National Bridge Inspection Standards (NBIS)

Sec.

650.301 Purpose.

650.303 Applicability.

650.305 Definitions.

650.307 Bridge inspection organization responsibilities.

650.309 Qualification of personnel.

650.311 Inspection interval.

650.313 Inspection procedures.

650.315 Inventory.

650.317 Incorporation by reference.

Subpart C—National Bridge Inspection Standards (NBIS)

(e) Each State transportation department, Federal agency, and Tribal government must include a bridge inspection organization that is responsible for the following:

(1) Developing and implementing written Statewide, Federal agencywide, or Tribal governmentwide bridge inspection policies and procedures;

(2) Maintaining a registry of nationally certified bridge inspectors that are performing the duties of a team leader in their State or Federal agency or Tribal government that includes, at a minimum, a method to positively identify each inspector, inspector's qualification records, inspector's current contact information, and detailed information about any adverse action that may affect the good standing of the inspector;

23 CFR § 650.309 (2022) - Qualifications of personnel

- Team Leader
- NSTM Team Leader
- Underwater Bridge Inspection Diver

FHWA regulations in this subpart.

(b) A team leader must, at a minimum:

regulations in this subpart.

(c) Team leaders on NSTM inspections must, at a minimum:

(1) Meet the requirements in

a registered professional engineer.

(e) An Underwater Bridge Inspection Diver must complete FHWA-approved underwater bridge inspection training as

ALDOT Inspector Qualifications

- ALDOT inspector records:
 - Bridge inspector refresher training since 2002
 - NHI 130055 training since 1988
 - All inspector applications on file in bridge maintenance office.
- Inspector training history stored in ALDOT in-house system (ABIMS) and migrated to BrM.
- ALDOT Bridge Inspector Certification Policy (**Team Leaders**)
 - Experience
 - 5 Years total qualifying experience
 - Training
 - NHI 130055 or 130056
 - Bridge Inspection Refresher Training in the past 2 years
 - ALDOT BrM User Training
 - ALDOT Element Level 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.

ALDOT Inspector Qualifications

Admin > CBI Report

Team Leader Qualification Status

Experience

NHI 130055 or NHI 130056

Most Recent Refresher Training

USER REPORT

Search Fields

First Name:

Last Name:

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

ALDOT Inspector Qualifications

Admin > CBI Report

USER REPORT

Search Fields

First Name: Agency:
Last Name: CBI Number:

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							

Page size: 20 1 items in 1 pages

- No date fields for other trainings:
 - UW Bridge Inspection
 - NSTM
 - Element Inspection
 - BrM User Training
 - SNBI Training
- Manual process for status and experience validation.
- Admin access only. Users could not view their certifications or qualifications in their user profile

ALDOT Inspector Qualifications

Settings » General Configuration » Inspection » Certification Types

Certification Types

Experience Types

Certifications

Qualifications

Filter

Active ▾

Search

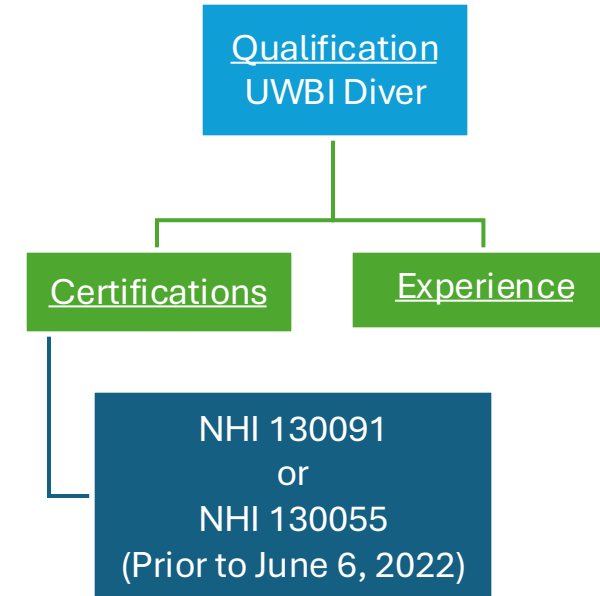
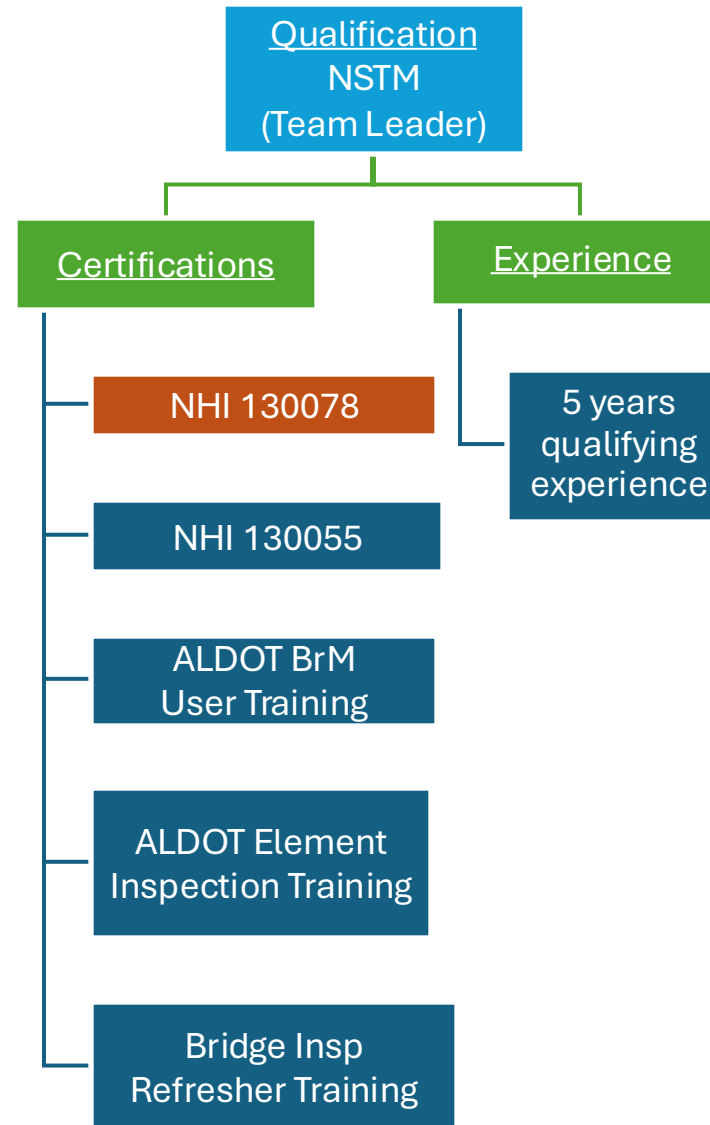
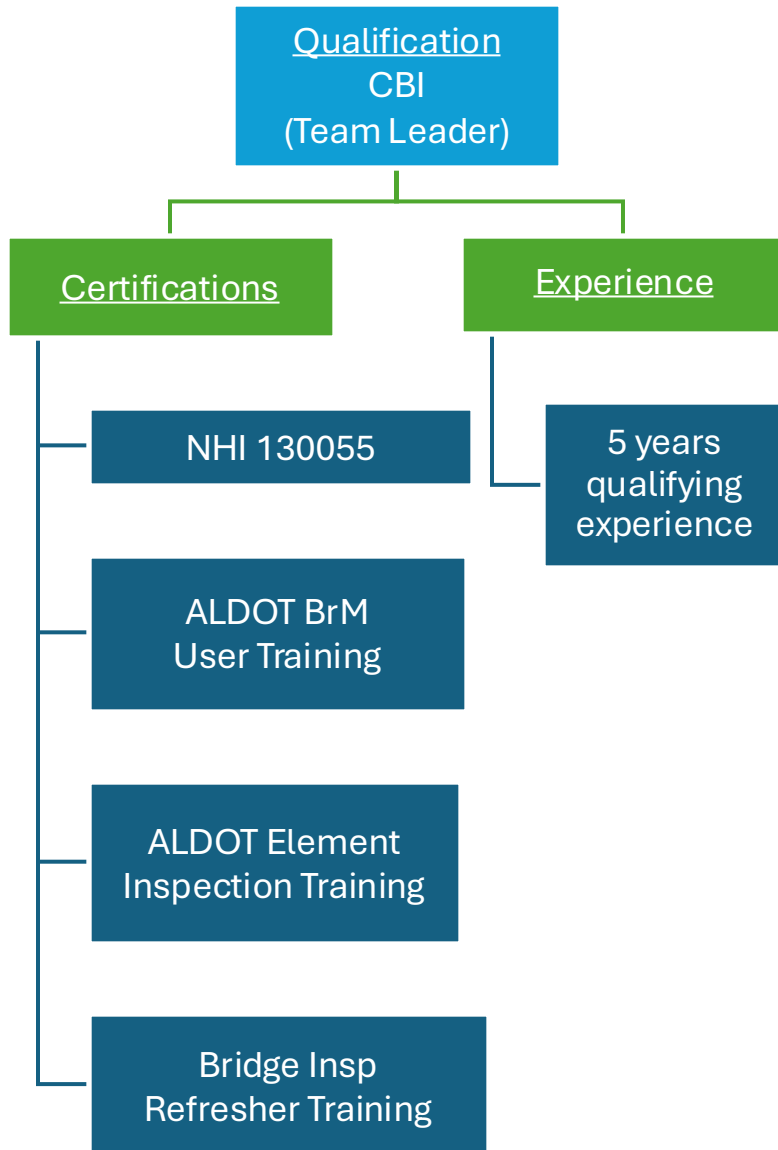
Export

+ Add New

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

<< < 1 > >> 1 - 3 of 3 15 ▾

ALDOT Inspector Qualifications



ALDOT Certification Types

Certification Categories		
Filter		
Active ▾		
Q 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 ▾				
Q 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	

Attendance is entered into BrM by an Admin after each bridge inspection related training ALDOT hosts

Certifications are configurable to allow user input of certification records and submit for approval by Admin.

ALDOT Experience Types

Settings » General Configuration » Inspection » Certification Types

Certification Types

Experience Types Certifications Qualifications

Filter

Active ▾

🔍 Search

📄 Export

+ Add New

Name ↑	Description ↑↓	Active ↑↓	
Bridge Inspection Experience	Bridge Inspection Experience as outlined in ALDOT's Policy on the Certification of Bridge Inspectors ...	True	✎
Underwater Bridge Inspection Experience	Underwater bridge inspection diver experience required for underwater bridge inspection diver qualif ...	True	✎

⏪ < 1 > ⏩

1 - 2 of 2

15 ▾

Qualification Expiration SQL

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

```

1  -- UW Qualification SQL 2025.07.17 --
12
13  WITH ThisU AS
14      -- (SELECT ID FROM USERS WHERE ID = @UserID)
15      ((SELECT ID FROM USERS WHERE EMAIL = 'stumpc+bridgeinspector@dot.state.al.us'),
16      -- (SELECT ID FROM USERS WHERE EMAIL = 'ballou_lucas@hotmail.com'),
17  ExpMath as
18      (select case when IsOngoing = 1 then (datepart(month, sysdatetime()) - StartMonth)
19      else (EndMonth - StartMonth) + 12 * (EndYear - StartYear) end as Xp
20      from USEREXPERIENCE e
21      join ThisU u on e.UserID = u.ID
22      join EXPERIENCETYPE t on e.ExperienceTypeID = t.ID
23      where t.NAME = 'Bridge Inspection Experience'),
24
25  SumExp as (select sum(xp) as TotalXP,
26              u.ID
27              from ExpMath
28              ,ThisU u group by u.ID),
29
30  UwExpMath as
31      (select case when IsOngoing = 1 then (datepart(month, sysdatetime()) - StartMonth)
32      else (EndMonth - StartMonth) + 12 * (EndYear - StartYear) end as Xp
33      from USEREXPERIENCE e
34      join ThisU u on e.UserID = u.ID
35      join EXPERIENCETYPE t on e.ExperienceTypeID = t.ID
36      where t.NAME = 'Underwater Bridge Inspection Experience'),
37
38  UwSumExp as (select sum(xp) as UWTotalXP,
39              u.ID
40              from UwExpMath
41              ,ThisU u group by u.ID),
42
43  SafetyCert as (select top 1 Status as SafetyCert,

```

```

61      where c.CertificationID = '2ED37E4B9800421C98274F63D820834B'
62      and Status = '1'
63      order by DateCompleted desc)
64  Select
65  case when TotalXP >= 60
66      and SafetyCert = 1
67      and SnbiTrain = 1
68      and (Betrain = 1 or (Btrain = 1 and Etrain = 1)
69      and datediff(month,
70      sysdatetime(),
71      cast(datefromparts(year(refCertExp), 12, 31) as datetime)) >= 0)
72      then cast(datefromparts(year(RefCertExp), 12, 31) as datetime)
73      else null
74  end as QualLogic
75
76  from ThisU u
77  left join SumExp se on u.ID = se.ID
78  left join SafetyCert sc on u.ID = sc.ID
79  left join RefresherCert rc on u.ID = rc.ID
80  left join Betrain be on u.ID = be.ID
81  left join Btrain b on u.ID = b.ID
82  left join Etrain e on u.ID = e.UserID
83  left join SnbiTrain st on st.userid = u.id
84  "
85  update QUALIFICATION
86  set SQLStatement = @ExpSql
87  where qualification.id = '3188F6F502C142EBAF0E0744BDCB9893'
88
89  select * from qualification
90
91  -- rollback transaction
92  COMMIT transaction

```

Qualification Requirements by Inspection Type

Inspection Types

Filter

Active ▾

Q Search

Export

Add New

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

<< < 1 > >> 1 - 10 of 10 15 ▾

Qualification Requirements by Inspection Type

Edit Inspection Type

Details

Inspector Requirements

Name *
Routine

Edit Inspection Type

Details

Inspector Requirements

☐ Signature Required on File in BrM
☐ Stamp Required on File in BrM

Qualifications Required

ALDOT CBI

Edit

Edit Inspection Type

Details

Inspector Requirements

Name *
NSTM

Edit Inspection Type

Details

Inspector Requirements

☐ Signature Required on File in BrM
☐ Stamp Required on File in BrM

Qualifications Required

NSTM

Edit

Edit Inspection Type

Details

Inspector Requirements

Name *
Underwater

Edit Inspection Type

Details

Inspector Requirements

☐ Signature Required on File in BrM
☐ Stamp Required on File in BrM

Qualifications Required

UWBI Diver

Edit

Inspection Type Qualification Requirements

Bridges > Inspection > Inspection List

Create Bridge Inspection

Validation Messages 1

⚠ Inspector "Inspector, Bridge" does not meet the qualification requirements for the Inspection Type "Routine"

Bridge *
018018

Bridge Name
018018

Bridge Nickname
US 80 WBL OVER CAHABA RIVER

Bridge Facility Carried
US 80 WBL

Bridge Feature Intersected
CAHABA RIVER

Inspection Begin Date (B.IE.02) *
08/19/2026

Entered By *
Stump, Charles

Inspection Types

[Add New](#)

Inspection Type ↑	Inspector
Routine	Inspector, Bridge

Settings > Security > Users

Edit User

[Account](#) [Contact](#) [Groups](#) [Roles](#) [Qualifications](#) [License](#) [Signature](#)

 **Bridge Inspector**
stumpc+bridgeinspector@dot.state.al.us

Qualifications

Filter
Display Agency Active Qualifications

[Export](#)

Name ↑↓	Active for User ↑↓	Expiration ↓	Suspended ↑↓
ALDOT CBI	False		False
NSTM	False		False
UWBI Diver	False		False

<< < 1 > >> 1 - 3 of 3 15

Dashboards for Qualifications / Certifications

Training Dashboard

Certification Category

Bridge Inspection Refresher Trainin ▾

Certification

ALDOT Bridge Inspection Refresher ▾

Year

2025 ▾

Training Results

Attendance

[365](#)

Asset Table Grid

Attendance

 Export to XLS

 Export to KML

☐	rn ↑↓ ▾	firstname ↑↓ ▾	lastname ↑ ▾	DateCompleted ↑↓ ▾	name ↑↓ ▾	email ↑↓ ▾	rolename ↑↓ ▾
☐	284	David	Abernathy	12/11/2025	ALDOT Bridge Inspection Refresher	dabernathy@lauderdalecountyal.gov	A Bridge Inspector
☐	58	Robert (Neal)	Anderson	10/16/2025	ALDOT Bridge Inspection Refresher	andersonn@randolphcountyalabama.gov	Read Only
☐	59	Ashley	Armstead	10/16/2025	ALDOT Bridge Inspection Refresher	armsteda@dot.state.al.us	Read Only
☐	121	Merrit	Ash	11/06/2025	ALDOT Bridge Inspection Refresher	Rocky6410@yahoo.com	A Bridge Inspector
☐	209	Ken	Atkins	11/20/2025	ALDOT Bridge Inspection Refresher	atkinsKen10@yahoo.com	A Bridge Inspector
☐	122	Jake	Bailey	11/06/2025	ALDOT Bridge Inspection Refresher	baileyj@dot.state.al.us	Read Only
☐	285	Justin	Baird	12/11/2025	ALDOT Bridge Inspection Refresher	bairdj@dot.state.al.us	ALDOT Area Bridge Inspector

Dashboards for Qualifications / Certifications

Training Dashboard

Certification Category

NHI Training

Certification

Safety Inspection of In-Service Bridges - 130055

Year

All

Training Results

Attendance

[1093](#)

Asset Table Grid

Attendance

Export to XLS

Export to KML

☐	rn ↑↓	firstname ↑↓	lastname ↑↓	DateCompleted ↑↓	name ↑↓	email ↑↓	rolename ↑↓
☐	574	David	Abernathy	04/29/2005	Safety Inspection of In-Service Bridges - 130055	dabernathy@lauderdalecountyal.gov	A Bridge Inspector
☐	30	Arzo	Abrams	07/29/1988	Safety Inspection of In-Service Bridges - 130055	arzo.abrams.1933@mayvue.com	Bridge Data Entry
☐	1018	Harrison Drake	Adams	02/02/2024	Safety Inspection of In-Service Bridges - 130055	drakeadams@jcch.net	Bridge Data Entry
☐	289	Pat	Alford	03/01/2002	Safety Inspection of In-Service Bridges - 130055	alfordp@dot.state.al.us	No Access
☐	25	Ken	Allamel	10/06/1986	Safety Inspection of In-Service Bridges - 130055	kallamel@lauderdalecountyal.gov	Bridge Data Entry
☐	290	Otis	Allen	03/01/2002	Safety Inspection of In-Service Bridges - 130055	otis.allen.289157@mayvue.com	Bridge Data Entry
☐	291	Jack	Ammons	03/01/2002	Safety Inspection of In-Service Bridges - 130055	jack.ammons.37171@mayvue.com	Bridge Data Entry
☐	103	James	Anderson	08/05/1994	Safety Inspection of In-Service Bridges - 130055	randerson@tuscco.com	Bridge Data Entry

Dashboards for Qualifications / Certifications

Dashboards > Qualifications

Qualifications

Qualifications

Updated: 2025-12-18

[ALDOT CBI](#)

[NSTM](#)

[UWBI Diver](#)

Asset Table Grid

ALDOT CBI Qualification

Export to XLS

Export to KML

☐ Name ↑↓	Qualified ↑↓	Expiration Date ↑↓	Bridge Inspection Experience (Months) ↑↓	Safety Inspection of In-Service Bridges - 130055 ↑↓	ALDOT Bridge Inspection Refresher (Expiration) ↑↓	BrM & Element Insp
☐ Tim Simpson	No		293	Yes		No
☐ Anthony Arias	No		0	Yes		No
☐ Christopher Wilbanks	No		0	No		No
☐ Kiep Johnson	Yes	12/31/2027	256	Yes	11/06/2027	Yes
☐ Kevin Barrow	Yes	12/31/2026	95	Yes	10/17/2026	Yes
☐ William Jayroe	No		0	No		No
☐ Lacy Deason	No		179	Yes	11/19/2022	No
☐ Randy Stroup	No		268	Yes	10/20/2007	No
☐ Christoffer Eaddy	No		0	No		No
☐ Eassa Smadi	No		0	Yes	12/11/2027	Yes
☐ Cindy Rich	Yes	12/31/2026	176	Yes	10/17/2026	No
☐ John Richards	No		293	Yes		No
☐ ...	...	...	...	...	...	...

Reports for Qualifications / Certifications



Qualification Statistics Report

Qualification Summary			
Qualification	Current	Expired	Suspended
UWBI Diver	22	0	0
ALDOT CBI	344	4	0
NSTM	111	0	0

Details			
Qualification Type: ALDOT CBI			
Name	Agency	CBI Number	Expiration Date
Abernathy, David		571	12-31-2027
Adams, Harrison Drake		1526	12-31-2026
Armstead, Ashley		798	12-31-2027
Arrington, Donald		265	12-31-2026
Ash, Merrit		397	12-31-2027
Atkins, Ken		372	12-31-2027
Bailey, Jake		773	12-31-2027
Baird, Justin		732	12-31-2027
Ballou, Lucas		1014	12-31-2027
Barefoot, Larry		391	12-31-2026
Barnwell, Christopher		246	12-31-2027
Barrow, Kevin		1426	12-31-2026
Batson, William		441	12-31-2026
Bedsole, Jason Royce		1460	12-31-2027
Bell, TJ		1166	12-31-2027
Betterton, John		750	12-31-2027
Blanks, Brian		557	12-31-2026

Reports for Qualifications / Certifications

Generate Report

Report Name
I-2 NHI Training Attendance

File Format *
PDF

Arguments

Year *
2024

 **Generate**  **Cancel**

REPORT I.2.0 - NHI TRAINING ATTENDANCE REPORT

TOTALS

Date	Course Name	Attendance
02/02/2024	Safety Inspection of In-Service Bridges - 130055	25
02/09/2024	Safety Inspection of In-Service Bridges - 130055	1
04/12/2024	Underwater Bridge Inspection - 130091	25
08/01/2024	Fracture Critical (NSTM) Inspection Techniques - 130078	22
09/20/2024	Safety Inspection of In-Service Bridges - 130055	20

2024 TOTAL ATTENDANCE = 93

REPORT I.2.0 - NHI TRAINING ATTENDANCE REPORT

02/02/2024

Safety Inspection of In-Service Bridges - 130055

Harrison Drake Adams - 1526
Richard Fray Cantrell - 1515
Joshua Clifton - 1466
Brian Coleman - 1387
Michael Dahlke - 1507
Hunter Daws - 1229
Brian Kevin Dewberry - 1527
William Everett - 1522
Billy Joe Goff - 1523
Will Bryant Gradic - 1475
Alvin Jerome Gurley - 1508
Brianna Hannon - 1481
Cole Hatcher - 1497
Adam Kindred - 1514
Garon Brent Machen - 1525
Tommy McCaskill Jr - 1483
Nathan Daniel McDonald - 916
Jarrod Milligan - 1448
Phillip Montgomery - 1506
Sidney Chad Robinson - 1458
Marcus Sanders - 1457
Emmett Allen Sparks - 1534
William Gage Sprayberry - 1476
Jacob Frank Stephens - 1524
Neal Tucker Stuart - 1533
Total: 25

Reports for Qualifications / Certifications

Generate Report

Report Name

I-5 Two Day Attendance 2026-05-04 v0.3

File Format *

PDF



Arguments

Year *

2025

☐ ShowDetails

 Generate

 Cancel

REPORT I.1.5 - CBI TWO DAY ATTENDANCE REPORT

TOTALS

Date	Attendance
01/01/2025	1
05/20/2025	57
10/16/2025	63
11/06/2025	88
11/20/2025	66
12/10/2025	7
12/11/2025	82
12/29/2025	1

2025 TOTAL ATTENDANCE = 365

Questions?

Cole Stump, P.E.

Bridge Operations Engineer

Alabama DOT

stumpc@dot.state.al.us