



Latitude:34.70731, Longitude:-92.43019

Route:26 Section:00 Log:1.18

Arnold Road ID:60xLAWSONRDx1xA, Arnold Log mile:1.177

District 06, 119 - Pulaski County

Owner: 2 - County Highway Agency

Inspection Direction: 3 - E to W

**Bridge Posting Information**

41 - Structure Open/Posted/Closed: A - Open, no restriction

70 - Bridge Posting: 5 - Equal to or above legal loads

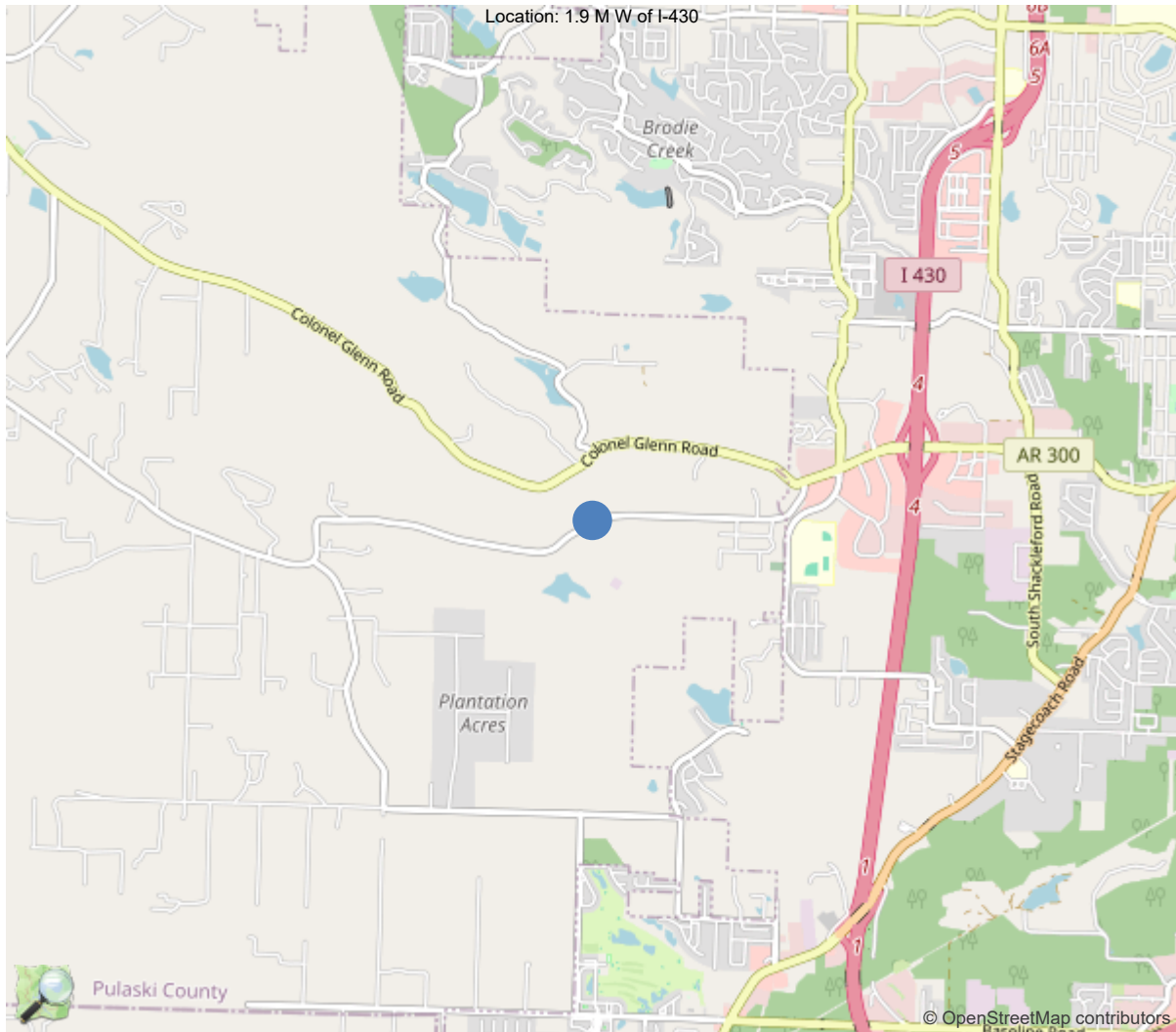
Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	36		
Code 9 (31 Tons)	42		
Code 5 (40 Tons)	59		

If calculated Capacity is less than the Legal Load Listed, the Bridge Legally Requires Posting Signs to be installed by the Bridge Owner



30"x36" AR





34.70731, -92.43019



Asset #23023(Routine, NSTM, Underwater type 2)

CR 26 Lawson over McHenry Creek

Location: 1.9 M W of I-430

Team Lead: Shane Byrd Inspection Date: 06/07/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	23023
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	119 - Pulaski County
(4) Place Code	0
(6) Features Intersected	McHenry Creek
(7) Facility Carried	CR 26 Lawson
(9) Location	1.9 M W of I-430
(11) Mile Point	1.18 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.707306
(17) Longitude	-92.430191
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	310
Material	3 - Steel
Type	10 - Truss - Thru
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	1
(46) No. of Approach Spans	0
(107) Deck Structure Type	1 - Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	0 - None (no additional concrete thickne
Type of Membrane	0 - None
Type of Deck Protection	1 - Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2006
(106) Year Reconstructed	0
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	6400
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	2 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	63.7 ft
(49) Structure Length	66 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	35.1 ft
(52) Deck Width Out to Out	35 ft
(32) Approach Roadway Width (W/Shoulders)	24 ft
(33) Bridge Median	0 - No median
(34) Skew	30 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	36.1 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	0 ft
Ref:	
(56) Min Lat Underclear LT	0 ft
NAVIGATION DATA	
(38) Navigation Control	0 - No navigation control on w
(111) Pier Protection	1 - Navigation protection not
(39) Navigation Vertical Clearance	0 ft
(116) Vert-Lift Bridge Nav Min Vert Clear	0 ft
(40) Navigation Horizontal Clearance	0 ft

CLASSIFICATION	
(112) NBIS Bridge Length	Y
(104) Highway System	0
(26) Functional Class	16 - Urban Minor Arterial
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exis
(102) Direction of Traffic	2 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0 - N/A
(110) Designated National Network	0 - The inventory route is not
(20) Toll	3 - On free road. The structu
(21) Maintain	2 - County Highway Agency
(22) Owner	2 - County Highway Agency
(37) Historical Significance	4 - Historical significance is
CONDITION	
(58) Deck	8
(59) Superstructure	7
(60) Substructure	7
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	5 - MS 18 / HS 20
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	56
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	34
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	
(68) Deck Geometry	5
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	6
(72) Approach Roadway Alignment	6
(36A) Bridge Railings	0 - Inspected feature does not meet
(36B) Transitions	0 - Inspected feature does not meet
(36C) Approach Guardrail	0 - Inspected feature does not meet
(36D) Approach Guardrail Ends	0 - Inspected feature does not meet
(113) Scour Critical Bridges	8 - Bridge foundations determined t
PROPOSED IMPROVEMENTS	
(75) Type of Work	
(76) Length of Structure Improvement	0 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 0
(96) Total Project Cost	\$ 0
(97) Year of Improvement Cost Estimate	
(114) Future ADT	3296
(115) Year of Future ADT	2007

INSPECTIONS *			
(90) Inspection Date	06/07/2023		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	Yes	12	06/07/2023
B: Underwater Inspection	No		
C: Other Special Inspection	No		
* The inspection date and frequency information in this box contains the current NBI date and frequency information. Please refer to the report header for the date this inspection was conducted.			



SNBI #23023(Routine, NSTM, Underwater type 2)

Team Lead: Shane Byrd, Inspection Date: 06/07/2023

IDENTIFICATION	
B.ID.01 Bridge Number	23023
B.ID.02 Bridge Name	
B.ID.03 Previous Bridge No.	
B.W.01 Year Built	

LOCATION	
B.L.01 State Code	5 - Arkansas
B.L.02 County Code	119 - Pulaski County
B.L.03 Place Code	00000 - N/A
B.L.04 Highway Agency District	06 - District 06
B.L.05 Latitude	34.707306
B.L.06 Longitude	-92.430191
B.L.07 Border Bridge Number	
B.L.08 Border Bridge State or Country Code	
B.L.09 Border Bridge Insp. Resp.	
B.L.10 Border Bridge Designated Lead State	
B.L.11 Bridge Location	
B.L.12 Metropolitan Planning Organization	

CLASSIFICATION	
B.CL.01 Owner	
B.CL.02 Maint. Responsibility	
B.CL.03 Federal or Tribal Land Access	
B.CL.04 Historic Significance	
B.CL.05 Toll	
B.CL.06 Emergency Evacuation Designation	

ROADSIDE HARDWARE	
B.RH.01A Bridge Railing Type	
B.RH.01B Bridge Railing Year (YY)	
B.RH.01C Bridge Railing Test Level	
B.RH.02A Transition Type	
B.RH.02B Transition Year (YY)	
B.RH.02C Transition Test Level	

BRIDGE GEOMETRY	
B.G.01 NBIS Bridge Length	
B.G.02 Total Bridge Length	
B.G.03 Max Span Length	
B.G.04 Min Span Length	
B.G.05 Bridge Width Out-to-Out	
B.G.06 Bridge Width Curb-to-Curb	
B.G.07 Left Curb or Sidewalk Width	
B.G.08 Right Curb or Sidewalk Width	
B.G.09 Approach Roadway Width	

B.G.10 Bridge Median	
B.G.11 Skew	
B.G.12 Curved Bridge	
B.G.13 Max Bridge Height	
B.G.14 Sidehill Bridge	
B.G.15 Irregular Deck Area	
B.G.16 Calculated Deck Area	

LOADS AND LOAD RATING	
B.LR.01 Design Load	
B.LR.02 Design Method	
B.LR.03 Load Rating Date	
B.LR.04 Load Rating Method	
B.LR.05 Inventory Load Rating Factor	
B.LR.06 Operating Load Rating Factor	
B.LR.07 Controlling Legal Load Rating Factor	
B.LR.08 Routine Permit Loads	

INSPECTION REQUIREMENTS	
B.IR.01 NSTM Inspection Required	
B.IR.02 Fatigue Details	
B.IR.03 UW Inspection Required	
B.IR.04 Complex Feature	

COMPONENT CONDITION RATINGS	
B.C.01 Deck Condition Rating	
B.C.02 Superstructure Condition	
B.C.03 Substructure Condition	
B.C.04 Culvert Condition	
B.C.05 Bridge Railing Condition	
B.C.06 Bridge Railing Transitions Condition	
B.C.07 Bridge Bearings Cond.	
B.C.08 Bridge Joints Condition	
B.C.09 Channel Condition Rating	
B.C.10 Channel Protection Condition	
B.C.11 Scour Condition Rating	
B.C.12 Bridge Condition Classification	
B.C.13 Lowest Condition Rating	
B.C.14 NSTM Insp. Condition	
B.C.15 UW Inspection Condition	

APPRAISAL	
B.AP.01 Approach Roadway Alignment	
B.AP.02 Overtopping Likelihood	
B.AP.03 Scour Vulnerability	
B.AP.04 Scour Plan of Action	
B.AP.05 Seismic Vulnerability	



Team Lead: Shane Byrd, Inspection Date: 06/07/2023

HIGHWAY ROUTES					
Highway Parent	B.RT.01 Route Designation	B.RT.02 Route Number	B.RT.03 Route Direction	B.RT.04 Route Type	B.RT.05 Service Type

POSTING STATUS DATA	
B.PS.01 Load Posting Status	B.PS.02 Posting Status Change Date

LOAD EVALUATION AND POSTING			
B.EP.01 Legal Load Configuration	B.EP.02 Legal Load Rating Factor	B.EP.03 Posting Type	B.EP.04 Posting Value



**Asset #23023**(Routine, NSTM, Underwater type 2)

**CR 26 Lawson over McHenry Creek**

**Location: 1.9 M W of I-430**

**Team Lead: Shane Byrd Inspection Date: 06/07/2023**

### **General Observation**

Logged looking west

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#### **59 - Superstructure** (7 - GOOD CONDITION - some minor problems.)

Steel protective coating has heavy granular texture

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#### **60 - Substructure** (7 - GOOD CONDITION - some minor problems.)

Spalls on top of back wall have been covered with asphalt.

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Elevation.



Spalls on top of back wall have been covered with asphalt.



Channel downstream.



Channel upstream.





Steel protective coating has heavy granular texture



Soffit.



Deck overview.



Approach westbound.



**Asset #23023**(Routine, NSTM, Underwater type 2)

**CR 26 Lawson over McHenry Creek**

**Location: 1.9 M W of I-430**

**Team Lead: Shane Byrd Inspection Date: 06/07/2023**

## **Routine Maintenance**

### **Check Box Maintenance Items**

<b>Type of Maintenance</b>	<b>Is recommended?</b>
A-54 - Sealable Deck Cracks	No
A-55 - Deck Washing Needed	No
A-56 - Joint Cleaning/Flushing Needed	No
A-57 - Beam End and Bearing Paint Needed	No
A-58 - Cap Cleaning/Flushing Needed	No
A-59 - Joint Repair Needed	No
A-60 - Full Beam Painting Needed	No
A-61 - Polymer Overlay Advised	No
A-62 - Hydro and LMC Advised	No
A-63 - Missing/Incorrect Log Mile Signage	No
A-64 - Vegetation Removal Requested	

**A-54 - Sealable Deck Cracks (No)**

**A-55 - Deck Washing Needed (No)**

**A-56 - Joint Cleaning/Flushing Needed (No)**



**Asset #23023**(Routine, NSTM, Underwater type 2)

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**A-57 - Girder End and Bearing Painting Needed (No)**

**A-58 - Cap Cleaning/Flushing Needed (No)**

**A-59 - Joint Repair Needed (No)**

**A-60 - Full Girder Painting Needed (No)**

**A-61 - Polymer Overlay Advised (No)**

**A-62 - Hydro and LMC Advised (No)**

**A-63 - Missing/Incorrect Log Mile Signage (No)**

**A-64 - Vegetation Removal Requested**





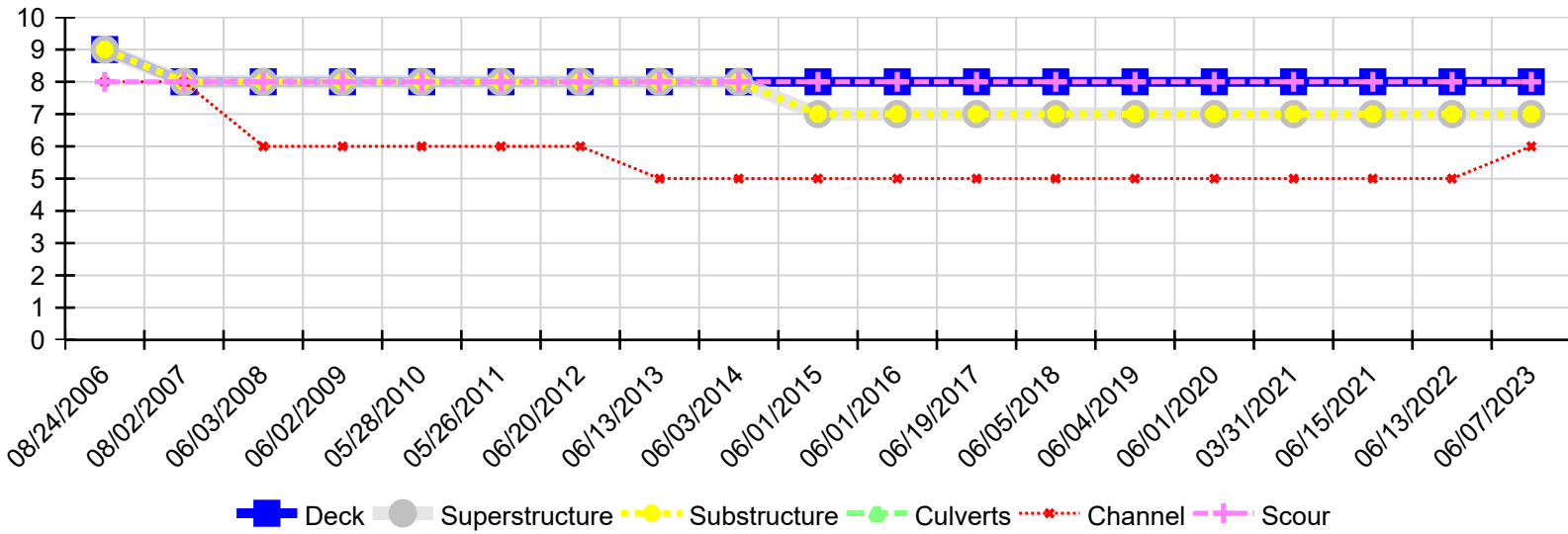
Asset #23023(Routine, NSTM, Underwater type 2)

CR 26 Lawson over McHenry Creek

Location: 1.9 M W of I-430

Team Lead: Shane Byrd Inspection Date: 06/07/2023

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
06/07/2023	8	7	7	N	6	8
06/13/2022	8	7	7	N	5	8
06/15/2021	8	7	7	N	5	8
03/31/2021	8	7	7	N	5	8
06/01/2020	8	7	7	N	5	8
06/04/2019	8	7	7	N	5	8
06/05/2018	8	7	7	N	5	8
06/19/2017	8	7	7	N	5	8
06/01/2016	8	7	7	N	5	8
06/01/2015	8	7	7	N	5	8
06/03/2014	8	8	8	N	5	8
06/13/2013	8	8	8	N	5	8
06/20/2012	8	8	8	N	6	8
05/26/2011	8	8	8	N	6	8
05/28/2010	8	8	8	N	6	8
06/02/2009	8	8	8	N	6	8
06/03/2008	8	8	8	N	6	8
08/02/2007	8	8	8	N	8	8
08/24/2006	9	9	9	N	8	8



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**CR 26 Lawson over McHenry Creek**

**Location: 1.9 M W of I-430**

**Team Lead: Shane Byrd Inspection Date: 06/07/2023**

**NSTM Inspection Report and Procedure**  
**Bridge No. 23023 1.9 M W of I-430**

**A-128 - Description of Structure**

**A-129 - Range Of Dates, Personnel and Responsibilities**

**A-130 - Access Equipment**

**B.IR.02 - Fatigue Prone Details**

**B.C.14 - NSTM Inspection Condition**

**B.IR.04 - Complex Feature**



**Asset #23023**(Routine, NSTM, Underwater type 2)

**CR 26 Lawson over McHenry Creek**

**Location: 1.9 M W of I-430**

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## Reference Photos:





Asset #23023(Routine, NSTM, Underwater type 2)

CR 26 Lawson over McHenry Creek

Location: 1.9 M W of I-430

Team Lead: Shane Byrd Inspection Date: 06/07/2023

Bridge #23023 NSTM Member Inspection Log

Member or Element (NSTM)	Access Equipment	Condition Rating	General Condition Notes
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NSTM specific defect notes

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4



**Asset #23023**(Routine, NSTM, Underwater type 2)

**CR 26 Lawson over McHenry Creek**

**Location: 1.9 M W of I-430**

**Team Lead: Shane Byrd Inspection Date: 06/07/2023**

### Signatures

Signature

Printed Name

Date

*Jason Edmison*

Jason Edmison

06/07/2023

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*Shane Byrd*

(Team Lead) Shane Byrd

06/07/2023

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