

## Bridge 13213 Inspection Report



Latitude:34.59505, Longitude:-93.14445

Route:434 Section:00 Log:0.11

Arnold Road ID:26xSENTINELRDx1xA, Arnold Log mile:1.44

District 06, 51 - Garland County

Owner: 2 - County Highway Agency

Inspection Direction: 4 - W to E

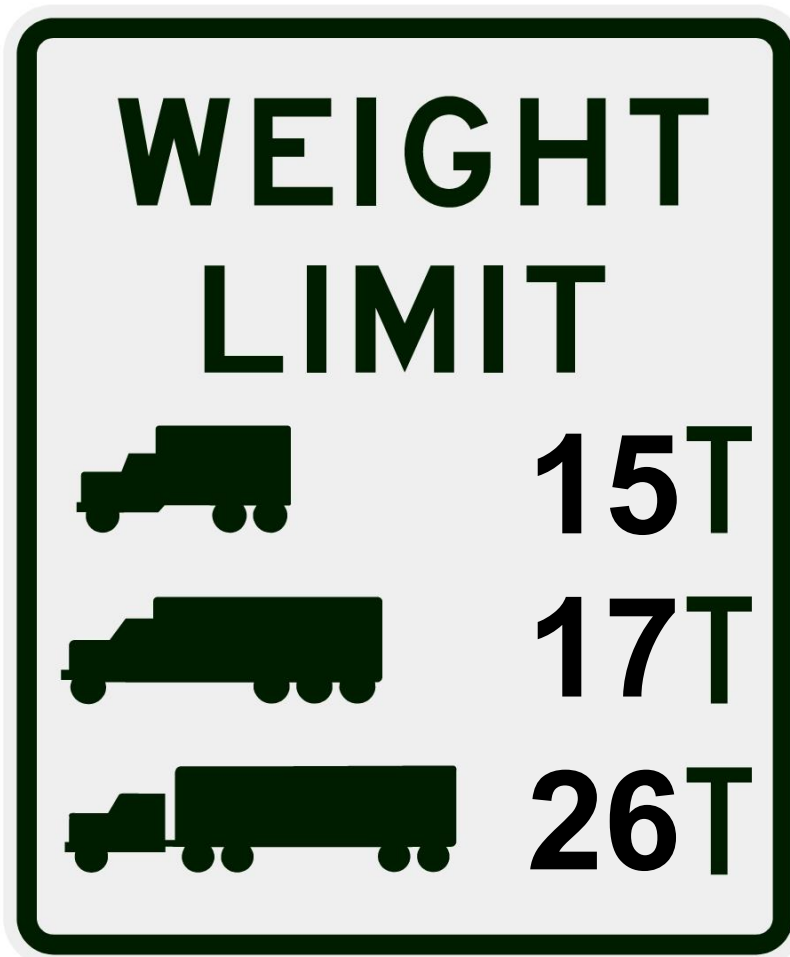
### Bridge Posting Information

41 - Structure Open/Posted/Closed: P - Posted for load (may include other restrictions such a temporary bridges which are load posted)

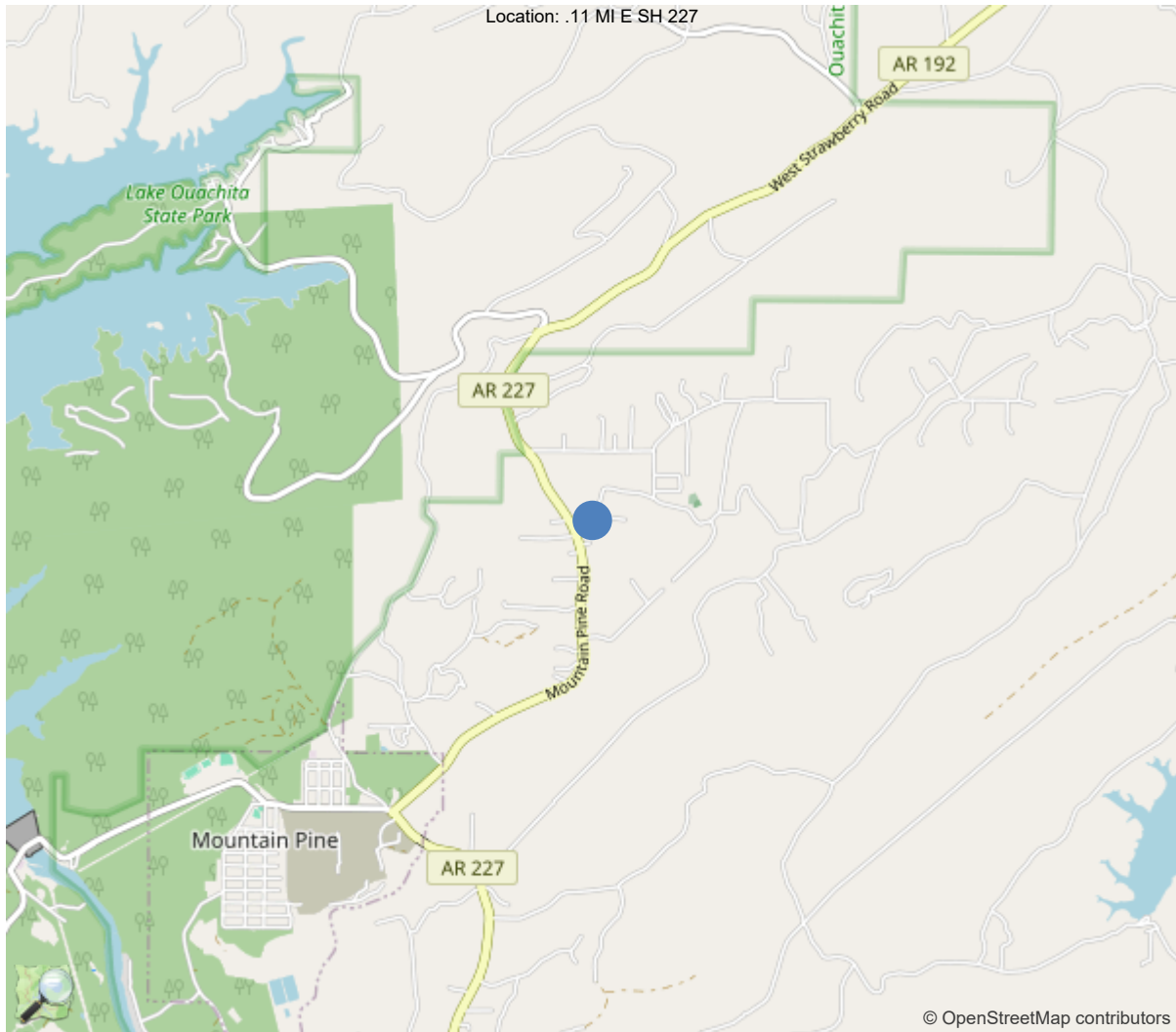
70 - Bridge Posting: 0 - > 39.9% below

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	15	15	15
Code 9 (31 Tons)	17	17	17
Code 5 (40 Tons)	26	26	26

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



34.59505, -93.14445

## National Bridge Inventory Data Sheet

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	13213
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	51 - Garland County
(4) Place Code	0
(6) Features Intersected	Creek
(7) Facility Carried	Sentinel Rd
(9) Location	.11 MI E SH 227
(11) Mile Point	0.11 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	34.5950511835342
(17) Longitude	-93.144450171793
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	42
Material	4 - Steel continuous
Type	2 - Stringer/Multi-beam or girder
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	2
(46) No. of Approach Spans	0
(107) Deck Structure Type	6 - Corrugated Steel
(108) Wearing Surface/Protective System	
Type of Wearing Surface	6 - Bituminous
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1970
(106) Year Reconstructed	2003
(42) Type of Service	15
On	1 - Highway
Under	5 - Waterway
(28) Lane	
On	2
Under	0
(29) Average Daily Traffic	589
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	1 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	14 ft
(49) Structure Length	31 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	20 ft
(52) Deck Width Out to Out	20 ft
(32) Approach Roadway Width (W/Shoulders)	16.1 ft
(33) Bridge Median	0 - No median
(34) Skew	10 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	20.3 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	
(39) Navigation Vertical Clearance	0 ft
(116) Vert-Lift Bridge Nav Min Vert Clear	ft
(40) Navigation Horizontal Clearance	0 ft

CLASSIFICATION	
(112) NBIS Bridge Length	Y
(104) Highway System	0
(26) Functional Class	9 - Rural Local
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exists
(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 structure
(21) Maintain	2 - County Highway Agency
(22) Owner	2 - County Highway Agency
(37) Historical Significance	5 - Bridge is not eligible for
CONDITION	
(58) Deck	7
(59) Superstructure	6
(60) Substructure	5
(61) Channel & Channel Protection	6
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	0 - Other or Unknown
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	20
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	12
(70) Bridge Posting	0 - > 39.9% below
(41) Structure Open/Posted/Closed	P - Posted for load (may include
APPRAISAL	
(67) Structural Evaluation	
(68) Deck Geometry	5
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	6
(72) Approach Roadway Alignment	3
(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	5 - Bridge foundations determined to
PROPOSED IMPROVEMENTS	
(75) Type of Work	31 - Replacement of bridge or
(76) Length of Structure Improvement	51 ft
(94) Bridge Improvement Cost	\$ 0
(95) Roadway Improvement Cost	\$ 109
(96) Total Project Cost	\$ 210
(97) Year of Improvement Cost Estimate	1994
(114) Future ADT	96
(115) Year of Future ADT	2007

INSPECTIONS *			
(90) Inspection Date			03/03/2026
(91) Frequency			12
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	Yes	12	03/03/2026
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.			

Team Lead: Keith Harris, Inspection Date: 03/03/2026

### Specifications for National Bridge Inventory Sheets

IDENTIFICATION	
B.ID.01 Bridge Number	13213
B.ID.02 Bridge Name	
B.ID.03 Previous Bridge No.	
B.W.01 Year Built	1970

LOCATION	
B.L.01 State Code	5 - Arkansas
B.L.02 County Code	51 - Garland County
B.L.03 Place Code	00000 - N/A
B.L.04 Highway Agency District	06 - District 06
B.L.05 Latitude	34.5950511835342
B.L.06 Longitude	-93.144450171793
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	.11 MI E SH 227
B.L.12 Metropolitan Planning Organization	7

CLASSIFICATION	
B.CL.01 Owner	L01 - County highway agency
B.CL.02 Maint. Responsibility	L01 - County highway agency
B.CL.03 Federal or Tribal Land Access	N - Not Applicable
B.CL.04 Historic Significance	N - Bridge is not eligible for the
B.CL.05 Toll	N - Bridge does not carry a toll ro
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	30.8
B.G.02 Total Bridge Length	30.8
B.G.03 Max Span Length	14.1
B.G.04 Min Span Length	12.8
B.G.05 Bridge Width Out-to-Out	20
B.G.06 Bridge Width Curb-to-Curb	20
B.G.07 Left Curb or Sidewalk Width	0
B.G.08 Right Curb or Sidewalk Width	0
B.G.09 Approach Roadway Width	16.1

B.G.10 Bridge Median	0 - No median
B.G.11 Skew	10
B.G.12 Curved Bridge	N - Not curved
B.G.13 Max Bridge Height	5
B.G.14 Sidehill Bridge	N - Not a sidehill bridge
B.G.15 Irregular Deck Area	
B.G.16 Calculated Deck Area	616.0

LOADS AND LOAD RATING	
B.LR.01 Design Load	U - Unknown
B.LR.02 Design Method	
B.LR.03 Load Rating Date	
B.LR.04 Load Rating Method	LFR - Load Factor Rating
B.LR.05 Inventory Load Rating Factor	0.33
B.LR.06 Operating Load Rating Factor	0.55
B.LR.07 Controlling Legal Load Rating Factor	
B.LR.08 Routine Permit Loads	Bridge does not carry routine permi

INSPECTION REQUIREMENTS	
B.IR.01 NSTM Inspection Required	Y - NSTM inspection required.
B.IR.02 Fatigue Details	Y - E/E' details are present
B.IR.03 UW Inspection Required	N - Underwater inspection not requi
B.IR.04 Complex Feature	N - Bridge does not have complex fe

COMPONENT CONDITION RATINGS	
B.C.01 Deck Condition Rating	7 - GOOD - Some minor defects.
B.C.02 Superstructure Condition	6 - SATISFACTORY - Widespread
B.C.03 Substructure Condition	5 - FAIR - Some moderate defec
B.C.04 Culvert Condition	N - NOT APPLICABLE - Component
B.C.05 Bridge Railing Condition	6 - SATISFACTORY - Widespread
B.C.06 Bridge Railing Transitions Condition	N - NOT APPLICABLE - Component
B.C.07 Bridge Bearings Cond.	N - NOT APPLICABLE - Component
B.C.08 Bridge Joints Condition	N - NOT APPLICABLE - Bridge do
B.C.09 Channel Condition Rating	6 - SATISFACTORY - Widespread
B.C.10 Channel Protection Condition	6 - SATISFACTORY - Widespread
B.C.11 Scour Condition Rating	6 - Widespread minor or isolat
B.C.12 Bridge Condition Classification	F - Fair
B.C.13 Lowest Condition Rating	5 - FAIR - Some moderate defec
B.C.14 NSTM Insp. Condition	6 - SATISFACTORY - Widespread
B.C.15 UW Inspection Condition	

APPRAISAL	
B.AP.01 Approach Roadway Alignment	P - Poor
B.AP.02 Overtopping Likelihood	1 - Remote - once every 100 years o
B.AP.03 Scour Vulnerability	0 - Scour appraisal has not been co
B.AP.04 Scour Plan of Action	0 - A scour POA is not required.
B.AP.05 Seismic Vulnerability	N - Bridge does not require seismic

SPAN SETS			
<b>M1</b>			
B.SP.02 # of Spans	2	B.SP.08 Deck Interaction	NC - Non-composite
B.SP.03 # of Beam Lines	7	B.SP.09 Deck Material and Type	S05 - Steel - corrugated
B.SP.04 Span Material	S01 - Steel - rolled	B.SP.10 Wearing Surface	B01 - Bituminous (asphalt)
B.SP.05 Span Continuity	2 - Continuous	B.SP.11 Deck Protective System	0 - None
B.SP.06 Span Type	G02 - Girder/beam - I-shaped s	B.SP.12 Deck Reinforcing Protective System	
B.SP.07 Span Protective System	0 - None	B.SP.13 Deck Stay-In-Place Forms	0 - None

SUBSTRUCTURE SETS			
<b>A1</b>			
B.SB.02 No. of Substructure Units	2	B.SB.05 Substructure Protective System	0 - None
B.SB.03 Substructure Material	C01 - Reinforced concrete - ca	B.SB.06 Foundation Type	F02 - Footing - on rock
B.SB.04 Substructure Type	A01 - Abutment - cantilever/wa	B.SB.07 Foundation Protective System	0 - None
<b>P1</b>			
B.SB.02 No. of Substructure Units	1	B.SB.05 Substructure Protective System	0 - None
B.SB.03 Substructure Material	S01 - Steel - rolled shapes	B.SB.06 Foundation Type	F02 - Footing - on rock
B.SB.04 Substructure Type	P03 - Pier - multiple column	B.SB.07 Foundation Protective System	0 - None

HIGHWAY FEATURES			
<b>H1</b>			
B.F.02 Feature Location	C - Carried on bridge	B.H.09 Annual ADT	589
B.F.03 Feature Name	CR 434-J Sentinal	B.H.10 Annual ADTT	5
B.H.01 Functional Classification	7 - Local	B.H.11 Year of Annual ADT	2018
B.H.02 Urban Code	99999	B.H.12 Highway Max Usable Vertical Clearance	99.9
B.H.03 NHS Designation	N - Non-NHS	B.H.13 Highway Min Vertical Clearance	99.9
B.H.04 National Highway Freight Network	N - Not on the NHFN	B.H.14 Highway Min Horizontal Clearance, Left	
B.H.05 STRAHNET Designation	N - Not a STRAHNET route	B.H.15 Highway Min Horizontal Clearance, Right	
B.H.06 LRS Route ID		B.H.16 Highway Max Usable Surface Width	20
B.H.07 LRS Mile Point	0.11	B.H.17 Bypass Detour Length	1
B.H.08 Lanes On Highway	2	B.H.18 Crossing Bridge Number	

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
H1	1	434	2-T - TEMP - Two-way traffic - NS or EW	4 - County route	1 - Mainline



Team Lead: Keith Harris, Inspection Date: 03/03/2026

## WATERWAY FEATURES

W1			
B.F.02 Feature Location	B - Below bridge	B.N.03 Movable Bridge Max Navigation Vertical Clearance	
B.F.03 Feature Name	Creek	B.N.04 Navigation Channel Width	
B.N.01 Navigable Waterway	N - Not navigable waters	B.N.05 Navigation Channel Min Horizontal Clearance	
B.N.02 Navigation Min Vertical Clearance		B.N.06 Substructure Navigation Protection	

## POSTING STATUS DATA

B.PS.01 Load Posting Status	B.PS.02 Posting Status Change Date
PP - permanent weight restrict	12/24/2025

## 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
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## Inspection Notes

### General Observation

Logged and inspected eastbound.

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### 58 - Deck (7 - GOOD CONDITION - some minor problems.)

The deck is in good condition.

The deck is a 3 1/2" x 6" x 3/16" thick corrugated galvanized steel with 5" edge dams and an asphalt wearing surface. Transverse cracks in the asphalt wearing surface.

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### 59 - Superstructure (6 - SATISFACTORY CONDITION - structural elements show some minor deterioration.)

The superstructure is in satisfactory condition.

All of the steel girders have active corrosion with pitting up to 1/16".

Girder 2, span 2 is butt weld spliced 4' 10" ahead of bent 2.

Most welds to the diaphragms are undercut & not bonded.

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### 60 - Substructure (5 - FAIR CONDITION - all primary structural elements are sound but may have minor section loss, cracking, spalling or scour.)

The substructure is in fair condition.

Concrete abutments are curb channel units turn on side.

Bent 2 steel columns and caps have active corrosion.

Bent 3 has two spalls in the curb area of the unit.

Bent 1, right side: up to 2' void behind abutment.

Bent 1, left side, up to 8' void behind abutment.

Bent 1 downstream footing is undermined up to 2'.

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### 61 - Channel/Channel Protection (6 - Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor stream bed movement evident. Debris is restricting the channel slightly.)

The channel is in satisfactory condition. Sediment and vegetation slightly restrict channel. Bank is slumping on upstream and downstream.

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### B.IR.04 - Complex Feature (N)

Steel cap has minor corrosion throughout.

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### B.C.14 - NSTM Inspection Condition (6 - SATISFACTORY - Widespread minor or isolated moderate defects.)

Steel cap has minor corrosion throughout.

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### A-B.C.11 - B.C.11 Scour Condition Rating (New NBIS) (6 - Widespread minor or isolated moderate scour.)

Bent 1, right side: up to 2' void behind abutment.

Bent 1, right side, up to 8' void behind abutment.

Bent 1 downstream footing is undermined up to 2' X 2'.

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## Inspection Photos and Notes



Elevation



Inventory looking east



Load posting looking east



Under surface view



Deck overview



NSTM view



Span 2 girder 3: girder has active corrosion with moderate pitting. All girders in both spans are in similar condition.



Transverse cracks in the asphalt wearing surface.



Bent 1, left side, up to 8' void behind abutment causing approach roadway to settle.



Bent 1 downstream footing is undermined up to 2'.



Bent 3 footing has a couple spalls with exposed rebar.



Downstream channel



03/04/2026

Upstream channel



03/04/2026

Bent 1 downstream footing is undermined up to 2'.

### Maintenance Needs

**Date Reported:** 03/03/2026

**Priority:** A - Safety deficiency; requires prompt action

**Status:** Open

**Type of Work:** Other Posting Problem

**Component:** Approach

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### Deficiency Description

Load posting sign on east end of bridge is missing.

### Remarks

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Load posting sign on east end of bridge is missing.

### Maintenance Needs

Date Reported: 03/12/2024

Priority: C - Important

Type of Work: Substructure Repair

Status: Open

Component: Substructure

### Deficiency Description

Bent 1, right side: up to 2' void behind abutment causing approach roadway to settle.

Bent 1, left side: up to 8' void behind abutment causing approach roadway to settle.

### Remarks



Bent 1, left side, up to 8' void behind abutment causing approach roadway to settle.



Bent 1, left side, up to 8' void behind abutment causing approach roadway to settle.



Bent 1, right side, up to 5' void behind abutment causing approach roadway to settle.



Bent 1 left side, 5' void behind abutment.



Bent 1, right side: up to 2' void behind abutment.

### Maintenance Needs

**Date Reported:** 03/03/2026

**Priority:** C - Important

**Type of Work:** Substructure Repair

**Status:** Open

**Component:** Substructure

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### Deficiency Description

Bent 1 downstream footing is undermined up to 2'.

### Remarks

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Bent 1 downstream footing is undermined up to 2'.

### Maintenance Needs

**Date Reported:** 03/06/2025

**Priority:** D- Routine

**Type of Work:** Channel Work/Drift Removal

**Status:** Open

**Component:** Channel

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### Deficiency Description

Drift and debris has accumulated at bent 2.

### Remarks

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Drift and debris has accumulated at bent 2.



Drift and debris has accumulated at bent 2.

## Routine Maintenance

### Check Box Maintenance Items

Type of Maintenance	Is Recommended?
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	Yes
A-58 - Cap Cleaning/Flushing Needed	No
A-59 - Joint Repair Needed	No
A-60 - Full Beam Painting Needed	Yes
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	No
A-65 - Clogged deck drains?	No
A-66 - Approach minor pothole/leveling needed	No

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

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

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



**Asset #13213**(Routine, NSTM, Underwater type 2)

**Sentinel Rd over Creek**

**Location: .11 MI E SH 227**

**Team Lead: Keith Harris Inspection Date: 03/03/2026**

**A-57 - Girder End and Bearing Painting Needed (Yes)**

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

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

**A-60 - Full Girder Painting Needed (Yes)**

**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 (No)**

**A-65 - Clogged deck drains? (No)**



**Asset #13213**(Routine, NSTM, Underwater type 2)

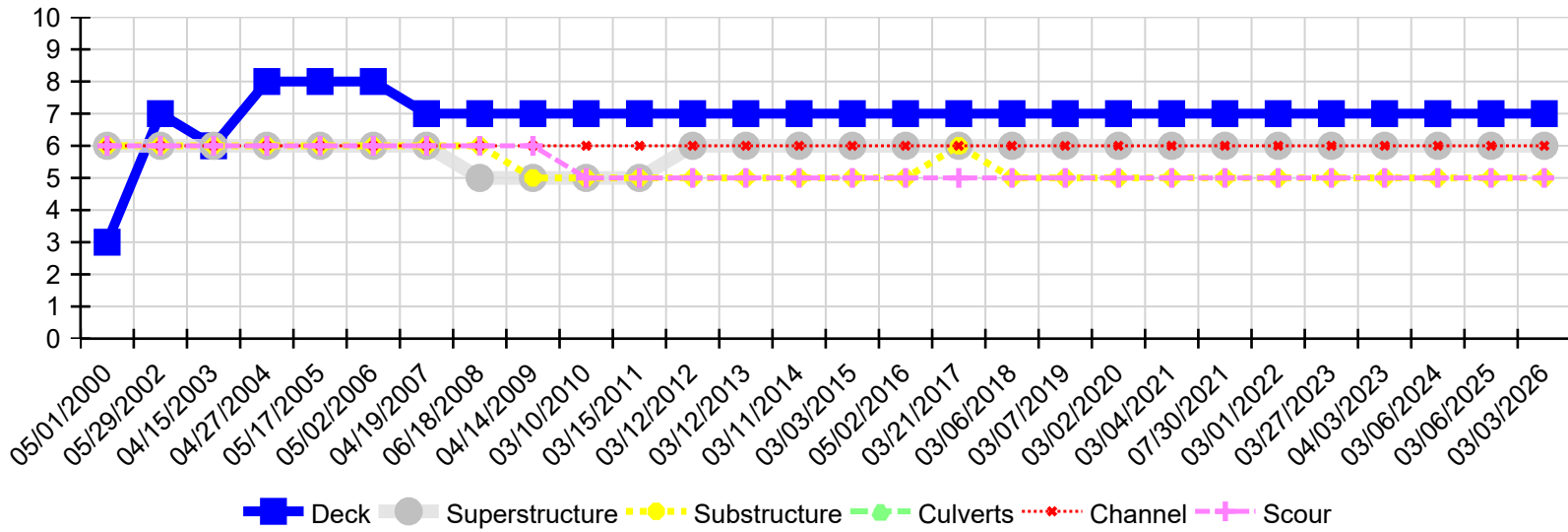
**Sentinel Rd over Creek**

**Location: .11 MI E SH 227**

**Team Lead: Keith Harris Inspection Date: 03/03/2026**

**A-66 - Approach minor pothole/leveling needed (No)**

### Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
03/03/2026	7	6	5	N	6	5
03/06/2025	7	6	5	N	6	5
03/06/2024	7	6	5	N	6	5
04/03/2023	7	6	5	N	6	5
03/27/2023	7	6	5	N	6	5
03/01/2022	7	6	5	N	6	5
07/30/2021	7	6	5	N	6	5
03/04/2021	7	6	5	N	6	5
03/02/2020	7	6	5	N	6	5
03/02/2020	7	6	5	N	6	5
03/07/2019	7	6	5	N	6	5
03/06/2018	7	6	5	N	6	5
03/21/2017	7	6	6	N	6	5
05/02/2016	7	6	5	N	6	5
03/03/2015	7	6	5	N	6	5
03/11/2014	7	6	5	N	6	5
03/12/2013	7	6	5	N	6	5
03/12/2012	7	6	5	N	6	5
03/15/2011	7	5	5	N	6	5
03/10/2010	7	5	5	N	6	5
04/14/2009	7	5	5	N	6	6
06/18/2008	7	5	6	N	6	6
04/19/2007	7	6	6	N	6	6
05/02/2006	8	6	6	N	6	6
05/17/2005	8	6	6	N	6	6
04/27/2004	8	6	6	N	6	6
04/15/2003	6	6	6	N	6	6



**Asset #13213**(Routine, NSTM, Underwater type 2)

**Sentinel Rd over Creek**

**Location: .11 MI E SH 227**

**Team Lead: Keith Harris Inspection Date: 03/03/2026**

Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
05/29/2002	7	6	6	N	6	6
05/01/2000	3	6	6	N	6	6



**Asset #13213**(Routine, NSTM, Underwater type 2)

**Sentinel Rd over Creek**

**Location: .11 MI E SH 227**

**Team Lead: Keith Harris Inspection Date: 03/03/2026**

## **NSTM Inspection Report and Procedure** **Bridge No. 13213 .11 MI E SH 227**

### **A-128 - Description of Structure**

This bridge was reconstructed in 2003. Bent 2 is constructed with a steel cap and steel columns. The steel cap is in tension between the columns. The tension member is inspected "hands on and visually" using a wire brush and flashlight as needed for defects and cracks. Welded connection and any damaged area will be examined closely for any potential cracks.

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

03/03/2026

Keith Harris - Team Leader

Shawn Vergason - Assistant

All members were inspected hands on by both the team lead and the assistant inspector.

### **A-130 - Access Equipment**

Waders were used to inspect in the creek.

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

Y - E/E' details are present

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

6 - SATISFACTORY - Widespread minor or isolated moderate defects.

Steel cap has minor corrosion throughout.

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

N - Bridge does not have complex feature

Steel cap has minor corrosion throughout.

**Reference Photos:**



NSTM view



Asset #13213(Routine, NSTM, Underwater type 2)

Sentinel Rd over Creek

Location: .11 MI E SH 227

Team Lead: Keith Harris Inspection Date: 03/03/2026

Bridge #13213 NSTM Member Inspection Log			
Member or Element (NSTM)	Access Equipment	Condition Rating	General Condition Notes
Steel cap	Waders	6	Steel cap has active corrosion due to no protective coating.

NSTM specific defect notes

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4



**Asset #13213**(Routine, NSTM, Underwater type 2)

**Sentinel Rd over Creek**

**Location: .11 MI E SH 227**

**Team Lead: Keith Harris Inspection Date: 03/03/2026**

### Signatures

Signature

Printed Name

Date

*Shawn Vergason*

Shawn Vergason

03/04/2026

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*Keith Harris*

(Team Lead) Keith Harris

03/04/2026

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[illegible]

Right Side Sounding <span style="color: red;">---</span> Left Side Sounding <span style="color: green;">---</span>		BRIDGE NO. <div style="font-size: 24pt; font-weight: bold;">13213</div>	
ARKANSAS STATE HIGHWAY COMMISSION Little Rock, ARK.	Scale: 1"=5' <div style="display: flex; justify-content: space-between;"> <span>Inspection Dir: W to E</span> <span>Channel Flow: N to S</span> </div>	<div style="display: flex; justify-content: space-between;"> <span>Drawn By: <a href="#">Edit</a></span> <span>Project: <a href="#">Edit</a></span> </div> <div style="display: flex; justify-content: space-between;"> <span>Checked By: <a href="#">Edit</a></span> <span>Date: 03/03/2026</span> </div>	



**Asset #13213**(Routine, NSTM, Underwater type 2)

**Sentinel Rd over Creek**

**Location: .11 MI E SH 227**

**Team Lead: Keith Harris Inspection Date: 03/03/2026**

## **NSTM Inspection Report and Procedure** **Bridge No. 13213 .11 MI E SH 227**

### **A-128 - Description of Structure**

This bridge was reconstructed in 2003. Bent 2 is constructed with a steel cap and steel columns. The steel cap is in tension between the columns. The tension member is inspected "hands on and visually" using a wire brush and flashlight as needed for defects and cracks. Welded connection and any damaged area will be examined closely for any potential cracks.

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

03/03/2026

Keith Harris - Team Leader

Shawn Vergason - Assistant

All members were inspected hands on by both the team lead and the assistant inspector.

### **A-130 - Access Equipment**

Waders were used to inspect in the creek.

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

Y - E/E' details are present

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

6 - SATISFACTORY - Widespread minor or isolated moderate defects.

Steel cap has minor corrosion throughout.

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

N - Bridge does not have complex feature

Steel cap has minor corrosion throughout.

**Reference Photos:**



NSTM view



Asset #13213(Routine, NSTM, Underwater type 2)

Sentinel Rd over Creek

Location: .11 MI E SH 227

Team Lead: Keith Harris Inspection Date: 03/03/2026

Bridge #13213 NSTM Member Inspection Log			
Member or Element (NSTM)	Access Equipment	Condition Rating	General Condition Notes
Steel cap	Waders	6	Steel cap has active corrosion due to no protective coating.

NSTM specific defect notes

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4



**Asset #13213**(Routine, NSTM, Underwater type 2)

**Sentinel Rd over Creek**

**Location: .11 MI E SH 227**

**Team Lead: Keith Harris Inspection Date: 03/03/2026**

### Signatures

Signature

Printed Name

Date

*Shawn Vergason*

Shawn Vergason

03/03/2026

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*Keith Harris*



(Team Lead) Keith Harris

03/03/2026

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[illegible]

# NSTM in Red

Right Side Sounding		BRIDGE NO.			
Left Side Sounding		13213			
ARKANSAS STATE HIGHWAY COMMISSION Little Rock, ARK.	Scale 1"=2'6"	Drawn By:	Edit	Project:	Edit
	Inspection Dir: W to E	Channel Flow:	Edit	Checked By:	Edit
				Date:	03/25/2024