



Latitude:33.71507, Longitude:-91.90813

Route:35 Section:07 Log:4.17

Arnold Road ID:22x35x7xA, Arnold Log mile:4.134

District 02, 43 - Drew County

Owner: 1 - State Highway Agency

Inspection Direction: 1 - N to S

**Bridge Posting Information**

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

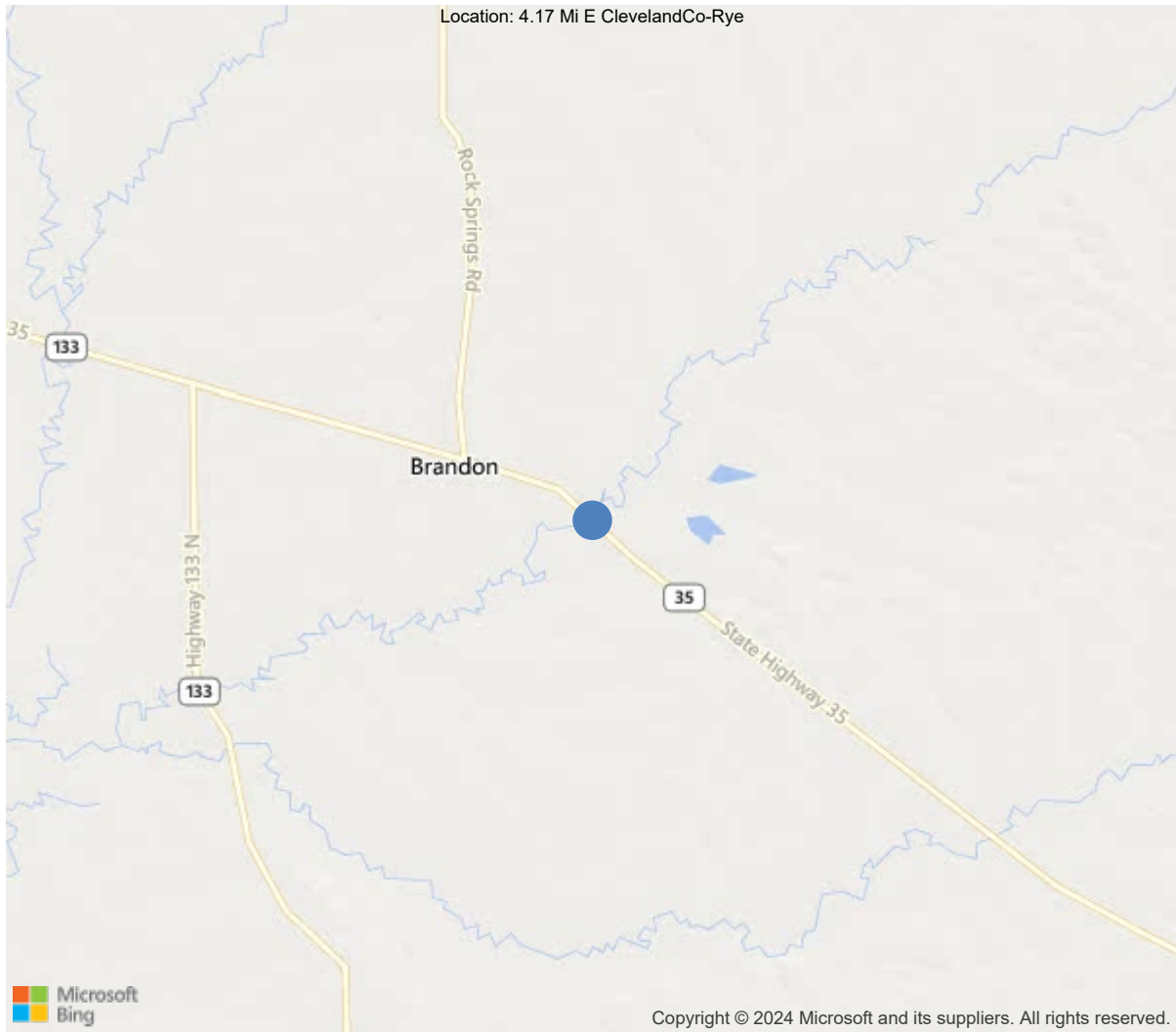
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	40		
Code 9 (31 Tons)	49		
Code 5 (40 Tons)	60		

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



33.71507, -91.90813





Asset #06143(Routine, Underwater type 2)

SH 35-07 LM 4.17 over Hundley Creek

Location: 4.17 Mi E ClevelandCo-Rye

Team Lead: Sharon Hooks, Inspection Date: 06/14/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06143
(5) Inventory Route	1
(2) Highway Agency District	02 - District 02
(3) County Code	43 - Drew County
(4) Place Code	0
(6) Features Intersected	Hundley Creek
(7) Facility Carried	SH 35-07 LM 4.17
(9) Location	4.17 Mi E ClevelandCo-Rye
(11) Mile Point	4.17 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.71507
(17) Longitude	-91.90813
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	11
Material	1 - Concrete
Type	1 - Slab
(44) Approach Structure Type	00
Material	0 - Other
Type	0 - Other
(45) No. of Spans in Main Unit	4
(46) No. of Approach Spans	0
(107) Deck Structure Type	1 - Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	1 - Monolithic Concrete (concurrently pl
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1986
(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	1200
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	30 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	30 ft
(49) Structure Length	120 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	29.9 ft
(52) Deck Width Out to Out	32.8 ft
(32) Approach Roadway Width (W/Shoulders)	34.1 ft
(33) Bridge Median	0 - No median
(34) Skew	0 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	31.2 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	0 ft
Ref:	
(55) Min Lat Underclear RT	99.9 ft
Ref:	
(56) Min Lat Underclear LT	0 ft
NAVIGATION DATA	
(38) Navigation Control	0 - No navigation control on w
(111) Pier Protection	5 - None present but re-evalua
(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	7 - Rural Major Collector
(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	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	5 - Bridge is not eligible for
CONDITION	
(58) Deck	7
(59) Superstructure	7
(60) Substructure	7
(61) Channel & Channel Protection	7
(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	60
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	36
(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	8
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	0 - Inspected feature does not meet
(36C) Approach Guardrail	0 - Inspected feature does not meet
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(113) Scour Critical Bridges	5 - 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	2745
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	06/14/2022		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection	No		
<p>* 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.</p>			



Asset #06143(Routine, Underwater type 2)

District: 02, County: 43 - Drew County

Team Lead: Sharon Hooks, Inspection Date: 06/14/2022

**General Observation**

Beginning of structure toward US 63, Drew/Cleveland County Line, West End.

**A-46 - Asset Files**

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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	3936	3756	160	20	0
1130	Cracking (RC and Other)	SF	180	0	160	20	0
(38) Deck: 32.8' wide x 120' long. Scattered longitudinal cracks in all spans. Span 4: Tightly-spaced cracking along centerline - 20 sqft CS3.							
215	Reinforced Concrete Abutment	LF	74	74	0	0	0
(215) Abutments: 37' each / Bents 1 & 5.							
227	Reinforced Concrete Pile	EA	15	15	0	0	0
(227) Piling: 5 per bent / Bents 2-4.							
234	Reinforced Concrete Pier Cap	LF	96	88	4	4	0
1080	Delamination/Spall/Patched Area	LF	4	0	0	4	0
1090	Exposed Rebar	LF	4	0	4	0	0
(234) Caps: 32' each / Bents 2-4. Bent 3 ahead face: Large spall with exposed rebar @ key-way between Piles 3 & 4 / delamination @ key-way between Piles 2 & 3.							
301	Pourable Joint Seal	LF	90	0	0	85	5
2320	Seal Adhesion	LF	90	0	0	85	5
(301) Joints: 30' each / Bents 2-4. Bents 2-4: Pourable joint material is intact but has lost adhesion in most places with some very light spalling of adjacent concrete.							
331	Reinforced Concrete Bridge Railing	LF	240	240	0	0	0
(331) Railing: 120' each side.							

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	3936	3756	160	20	0
1130	Cracking (RC and Other)	SF	180	0	160	20	0
(38) Deck: 32.8' wide x 120' long. Scattered longitudinal cracks in all spans. Span 4: Tightly-spaced cracking along centerline - 20 sqft CS3.							



Asset #06143(Routine, Underwater type 2)

SH 35-07 LM 4.17 over Hundley Creek

Location: 4.17 Mi E ClevelandCo-Rye

Team Lead: Sharon Hooks, Inspection Date: 06/14/2022

## Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	74	74	0	0	0
(215) Abutments: 37' each / Bents 1 & 5.							
227	Reinforced Concrete Pile	EA	15	15	0	0	0
(227) Piling: 5 per bent / Bents 2-4.							
234	Reinforced Concrete Pier Cap	LF	96	88	4	4	0
1080	Delamination/Spall/Patched Area	LF	4	0	0	4	0
1090	Exposed Rebar	LF	4	0	4	0	0
(234) Caps: 32' each / Bents 2-4.							
Bent 3 ahead face: Large spall with exposed rebar @ key-way between Piles 3 & 4 / delamination @ key-way between Piles 2 & 3.							



Elevation.



Substructure view.



Under view.



Deck cracking span 1 left.





Deck over view.



Approach.

**Maintenance Needs**

**Date Reported:** 06/25/2018

**Priority:** D- Routine

**Type of Work:** (Inactive) (Inactive) 0 - N/A

**Status:** Monitor

**Component:**

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**Deficiency Description**

Endslope - Bent 2: Erosion of channel/slope material between Piles 3-4.

**Remarks**

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Bent 2 endslope erosion.



Endslope - Bent 2: Erosion / Scouring





**Maintenance Needs**

**Date Reported:** 06/16/2022

**Priority:** D- Routine

**Type of Work:** (Inactive) (Inactive) 1 - Clean

**Status:** Open

**Component:**

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**Deficiency Description**

Both ends of bridge, Trees vines and vegetation impeding inspection.

**Remarks**

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Trees, vines and vegetation.



Trees, vines and vegetation tree growing at Bent 5 right side of abutment.

**Maintenance Needs**

**Date Reported:** 06/12/2012

**Priority:** (Inactive) (Inactive) G - General/  
Preventive maintenance

**Status:** Monitor

**Type of Work:** (Inactive) (Inactive) 0 - N/A

**Component:**

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**Deficiency Description**

Joints - Bents 2-4: Pourable joint material is intact but has lost adhesion in most places with some very light spalling of adjacent concrete.

**Remarks**

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Bent 3 joint seals have loss of adhesion.



Joint - Bent 3: Loss of adhesion



**Maintenance Needs**

**Date Reported:** 06/16/2016

**Priority:** (Inactive) (Inactive) G - General/  
Preventive maintenance

**Status:** Monitor

**Type of Work:** (Inactive) (Inactive) 0 - N/A

**Component:**

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**Deficiency Description**

Cap - Bent 3 ahead face: Large spall with exposed rebar @ key-way between Piles 3 & 4 / delamination @ key-way between Piles 2 & 3.

**Remarks**

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Cap - Bent 3 : Spalls and delaminations



Bent 3 ahead spall with exposed rebar and delamination.



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**SH 35-07 LM 4.17 over Hundley Creek**

**Location: 4.17 Mi E ClevelandCo-Rye**

**Team Lead:** Sharon Hooks, **Inspection Date:** 06/14/2022

## **Routine Maintenance**

Check Box Maintenance Items

<b>Type of Maintenance</b>	<b>Is recommended?</b>
A-54 - Sealable Deck Cracks	
A-55 - Deck Washing Needed	
A-56 - Joint Cleaning/Flushing Needed	
A-57 - Beam End and Bearing Paint Needed	
A-58 - Cap Cleaning/Flushing Needed	
A-59 - Joint Repair Needed	
A-60 - Full Beam Painting Needed	
A-61 - Polymer Overlay Advised	
A-62 - Hydro and LMC Advised	
A-63 Missing/Incorrect Log Mile Signage	
A-64 - Vegetation Removal Requested	

**A-54 - Sealable Deck Cracks**

**A-55 - Deck Washing Needed**

**A-56 - Joint Cleaning/Flushing Needed**



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**SH 35-07 LM 4.17 over Hundley Creek**

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**A-57 - Beam End and Bearing Painting Needed**

**A-58 - Cap Cleaning/Flushing Needed**

**A-59 - Joint Repair Needed**

**A-60 - Full Beam Painting Needed**

**A-61 - Polymer Overlay Advised**

**A-62 - Hydro and LMC Advised**

**A-63 - Missing/Incorrect Log Mile Signage**

**A-64 - Vegetation Removal Requested**



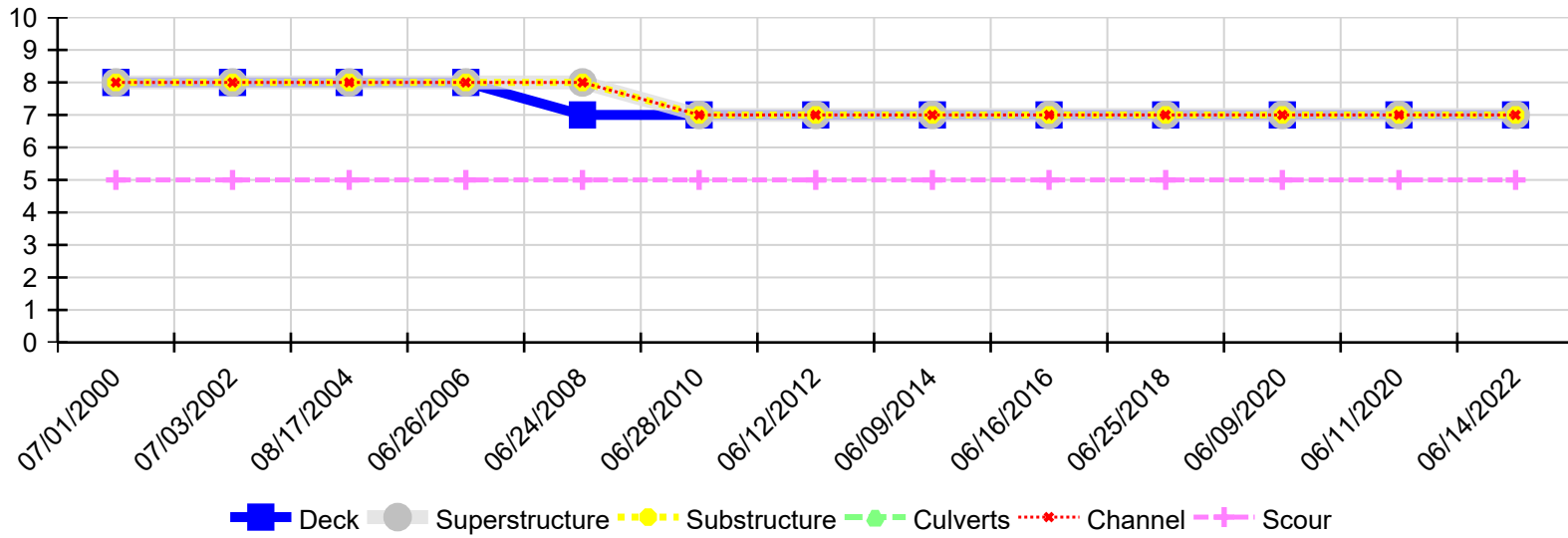
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Location: 4.17 Mi E ClevelandCo-Rye

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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
06/14/2022	7	7	7	N	7	5
06/11/2020	7	7	7	N	7	5
06/09/2020	7	7	7	N	7	5
06/25/2018	7	7	7	N	7	5
06/16/2016	7	7	7	N	7	5
06/09/2014	7	7	7	N	7	5
06/12/2012	7	7	7	N	7	5
06/28/2010	7	7	7	N	7	5
06/24/2008	7	8	8	N	8	5
06/26/2006	8	8	8	N	8	5
08/17/2004	8	8	8	N	8	5
07/03/2002	8	8	8	N	8	5
07/01/2000	8	8	8	N	8	5