



Latitude:33.72802, Longitude:-91.95513

Route:35 Section:07 Log:1.28

Arnold Road ID:22x35x7xA, Arnold Log mile:1.262

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

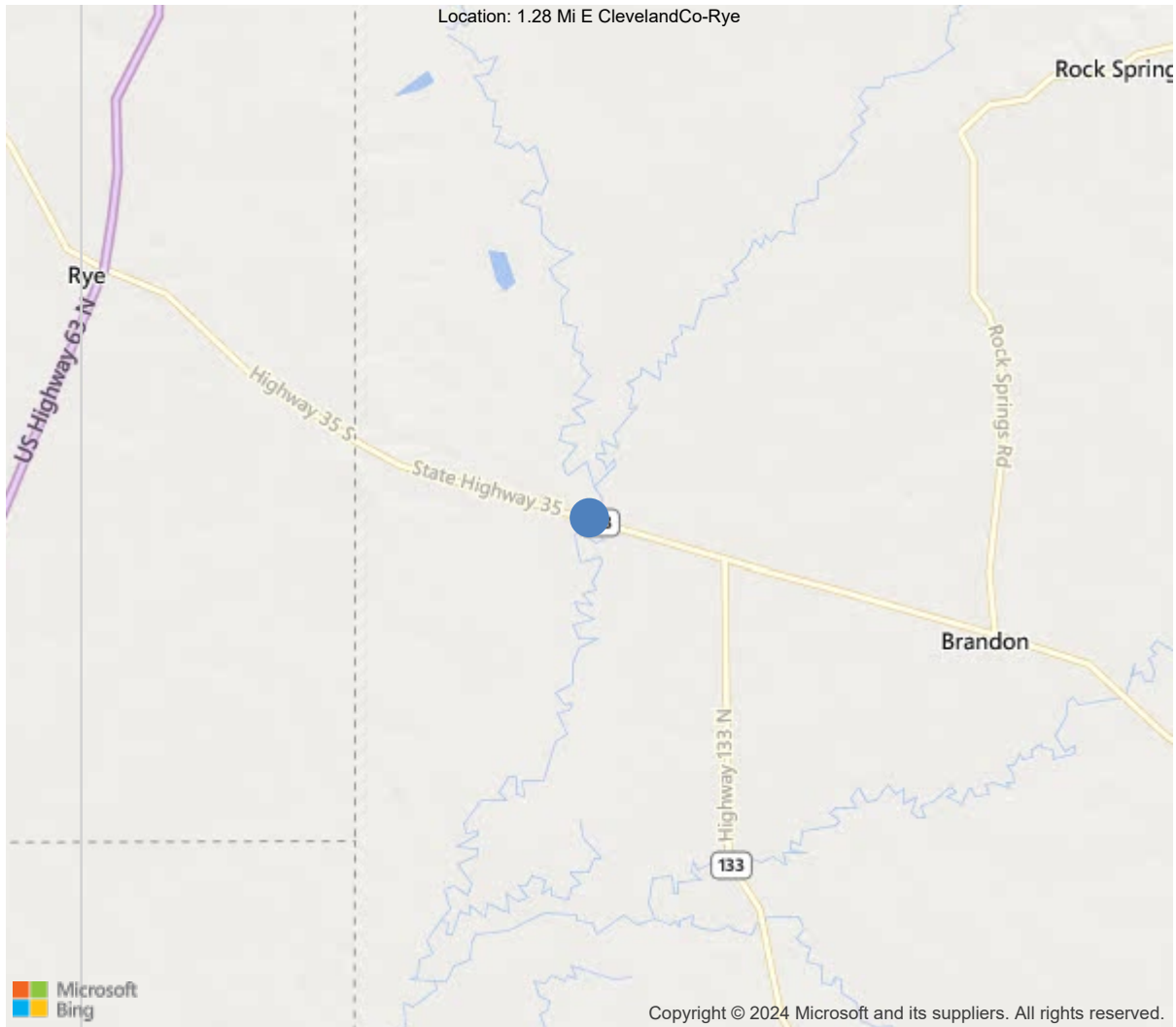
70 - Bridge Posting: 5 - Equal to or above legal loads

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)	47		
Code 5 (40 Tons)	56		

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



33.72802, -91.95513



Asset #06141 (Routine, Underwater type 2)

SH 35-07 LM 1.28 over Hudgins Creek

Location: 1.28 Mi E ClevelandCo-Rye

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

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06141
(5) Inventory Route	1
(2) Highway Agency District	02 - District 02
(3) County Code	43 - Drew County
(4) Place Code	0
(6) Features Intersected	Hudgins Creek
(7) Facility Carried	SH 35-07 LM 1.28
(9) Location	1.28 Mi E ClevelandCo-Rye
(11) Mile Point	1.28 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.7280198636144
(17) Longitude	-91.9551327693462
(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	5
(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	1100
(30) Year of ADT	2018
(109) Truck ADT	1 %
(19) Bypass, Detour Length	30 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	35 ft
(49) Structure Length	175 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	8
(61) Channel & Channel Protection	8
(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	2246
(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		
* 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.			



Asset #06141 (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	5740	5624	88	28	0
1120	Efflorescence/Rust Staining	SF	28	0	0	28	0
1130	Cracking (RC and Other)	SF	88	0	88	0	0
(38) Deck: 32.8' wide x 175 long. Small diagonal cracks on left and right near lane lines of Bents 1, 2, & 5 with some reflective efflorescence on soffit. Scattered longitudinal cracks in all spans - heaviest on centerline and right lane. Sides of slabs have cracking (shear cracks) with light efflorescence.							
215	Reinforced Concrete Abutment	LF	74	74	0	0	0
(215) Abutments: 37' each / Bents 1 & 6. Light staining from leaking joints.							
227	Reinforced Concrete Pile	EA	24	24	0	0	0
(227) Piling: 6 per bent / Bents 2-5.							
234	Reinforced Concrete Pier Cap	LF	128	128	0	0	0
(234) Caps: 32' each / Bents 2-5. Staining from leaking joint seals.							
301	Pourable Joint Seal	LF	120	0	0	100	20
2320	Seal Adhesion	LF	120	0	0	100	20
(301) Joints: 30' each / Bents 2-5. Bents 2-5: 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	350	350	0	0	0
(331) Railing: 175' each side.							

Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	5740	5624	88	28	0
1120	Efflorescence/Rust Staining	SF	28	0	0	28	0
1130	Cracking (RC and Other)	SF	88	0	88	0	0
(38) Deck: 32.8' wide x 175 long. Small diagonal cracks on left and right near lane lines of Bents 1, 2, & 5 with some reflective efflorescence on soffit. Scattered longitudinal cracks in all spans - heaviest on centerline and right lane. Sides of slabs have cracking (shear cracks) with light efflorescence.							



Asset #06141 (Routine, Underwater type 2)

SH 35-07 LM 1.28 over Hudgins Creek

Location: 1.28 Mi E Cleveland Co-Rye

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

Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



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Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment (215) Abutments: 37' each / Bents 1 & 6. Light staining from leaking joints.	LF	74	74	0	0	0
227	Reinforced Concrete Pile (227) Piling: 6 per bent / Bents 2-5.	EA	24	24	0	0	0
234	Reinforced Concrete Pier Cap (234) Caps: 32' each / Bents 2-5. Staining from leaking joint seals.	LF	128	128	0	0	0



Elevation.



Substructure view.



Under view of deck.



Span 1 right Shear cracking on corner of deck. And cracking has efflorescence on under side of deck same area.



Deck over view.



Approach.



Bent. 6 Shear crack with efflorescence. Common most bents at ends of deck.

Maintenance Needs

Date Reported: 06/16/2022

Priority: D- Routine

Status: Open

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

Component:

Deficiency Description

Both ends of Bridge, Trees vines and vegetation growing on and under structure.

Remarks



Span 5 left tree growing onto soffit of deck.



Trees, vines and vegetation on approach under railing and endslopes.

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:

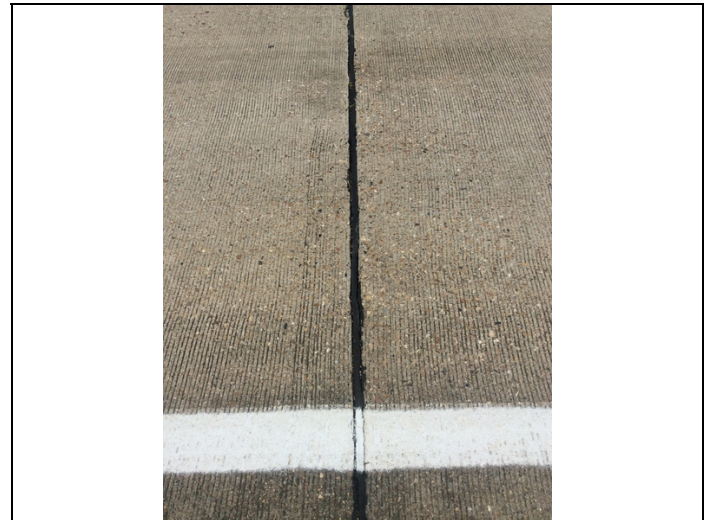
Deficiency Description

Joints - Bents 2-5: Pourable joint material is intact but has lost adhesion in most places with some very light spalling of adjacent concrete.

Remarks



Bent 4 joint seals have loss of adhesion.



Joint - Bent 3: Loss of adhesion



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Location: 1.28 Mi E ClevelandCo-Rye

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

Routine Maintenance

Check Box Maintenance Items

Type of Maintenance	Is recommended?
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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Location: 1.28 Mi E ClevelandCo-Rye

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

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



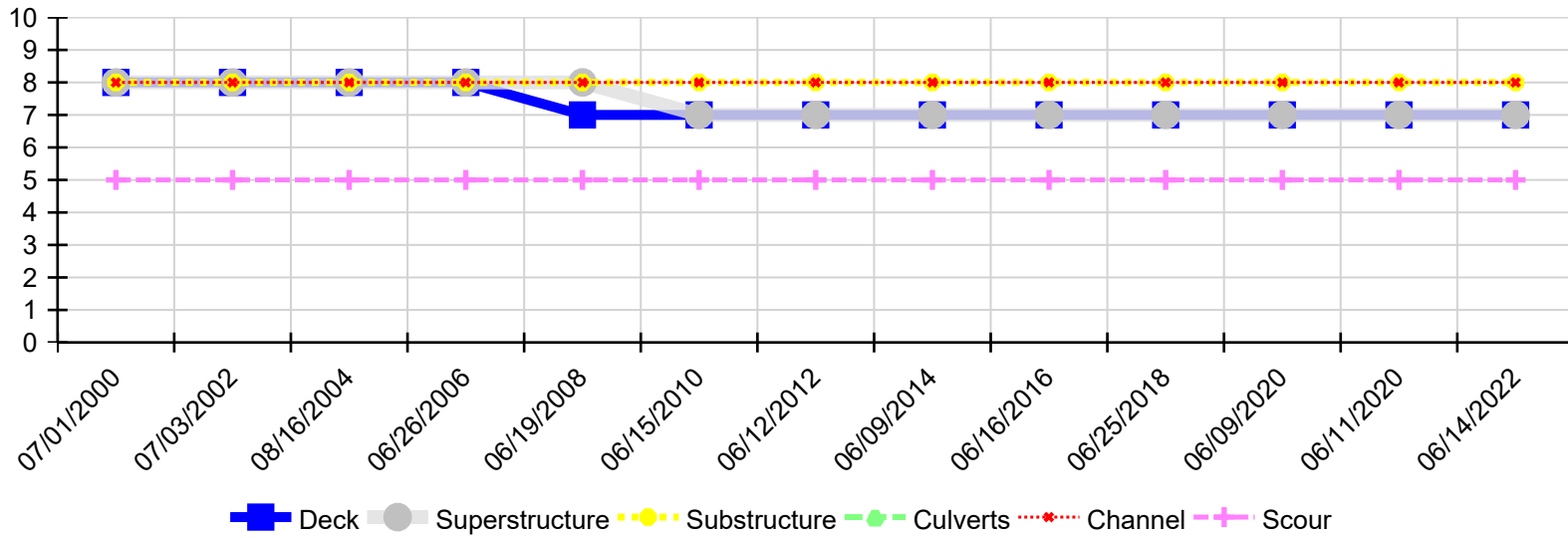
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Location: 1.28 Mi E Cleveland Co-Rye

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

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
06/14/2022	7	7	8	N	8	5
06/11/2020	7	7	8	N	8	5
06/09/2020	7	7	8	N	8	5
06/25/2018	7	7	8	N	8	5
06/16/2016	7	7	8	N	8	5
06/09/2014	7	7	8	N	8	5
06/12/2012	7	7	8	N	8	5
06/15/2010	7	7	8	N	8	5
06/19/2008	7	8	8	N	8	5
06/26/2006	8	8	8	N	8	5
08/16/2004	8	8	8	N	8	5
07/03/2002	8	8	8	N	8	5
07/01/2000	8	8	8	N	8	5