



Latitude:33.72713, Longitude:-91.95134

Route:35 Section:07 Log:1.5

Arnold Road ID:22x35x7xA, Arnold Log mile:1.489

District 02, 43 - Drew County

Owner: 1 - State Highway Agency

Inspection Direction: 4 - W to E

### Bridge Posting Information

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

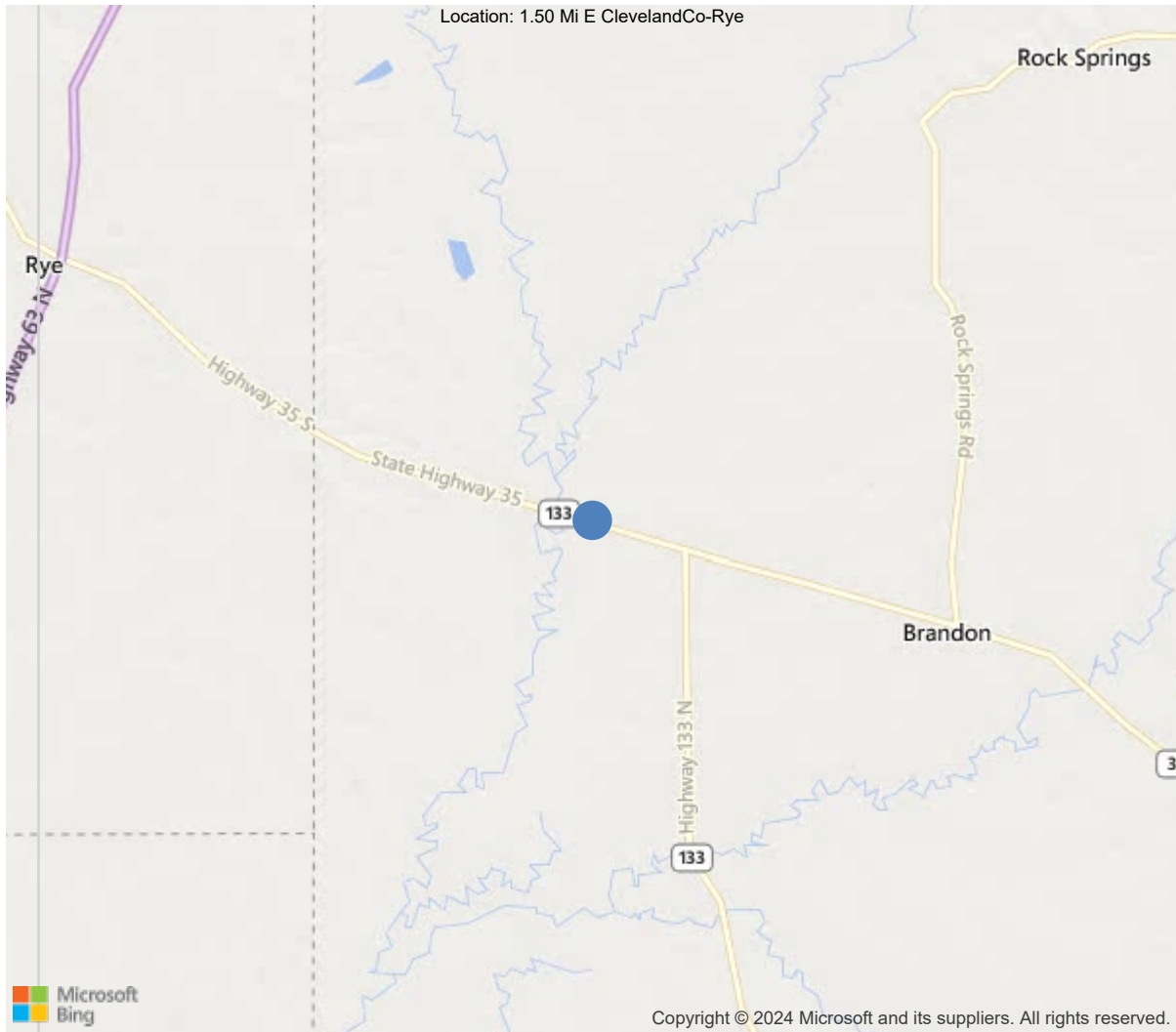
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	37		
Code 9 (31 Tons)	44		
Code 5 (40 Tons)	58		

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



33.72713, -91.95134





Asset #06142(Routine)

SH 35-07 LM 1.50 over Hudgens Creek Relief

Location: 1.50 Mi E ClevelandCo-Rye

Team Lead: Greg Loomis, Inspection Date: 05/24/2023

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	06142
(5) Inventory Route	1
(2) Highway Agency District	02 - District 02
(3) County Code	43 - Drew County
(4) Place Code	0
(6) Features Intersected	Hudgens Creek Relief
(7) Facility Carried	SH 35-07 LM 1.50
(9) Location	1.50 Mi E ClevelandCo-Rye
(11) Mile Point	1.5 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.7271262991652
(17) Longitude	-91.9513379269176
(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	3
(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	0 - None
AGE AND SERVICE	
(27) Year Built	1986
(106) Year Reconstructed	0
(42) Type of Service	19
On	1 - Highway
Under	9 - Relief for 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	25 ft
(49) Structure Length	75 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	30 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	2246
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	05/24/2023		
(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 #06142(Routine)

District: 02, County: 43 - Drew County

Team Lead: Greg Loomis, Inspection Date: 05/24/2023

#### General Observation

Bridge is logged from west to east.

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#### A-46 - Asset Files

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## SH 35-07 LM 1.50 over Hudgens Creek Relief

**Location: 1.50 Mi E ClevelandCo-Rye**

**Team Lead:** Greg Loomis, **Inspection Date:** 05/24/2023

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	2462	1928	534	0	0
1120	Efflorescence/Rust Staining	SF	3	0	3	0	0
1130	Cracking (RC and Other)	SF	81	0	81	0	0
1190	Abrasion/Wear (PSC/RC)	SF	450	0	450	0	0
(38) Deck: 32'-10" wide x 75' long = 2462 sqft. Some hairline- to minor-sized longitudinal and diagonal (corner) cracks, with very little reflective efflorescence on soffit - 81 sqft CS2 cracking. Light abrasive wear in driving lanes - (2' wide x 3) x 75' long = 450 sqft CS2 abrasive wear.  Side of slabs: Some minor vertical cracking with efflorescence near bents at beginning of drain-slots - 3 sqft CS2 efflorescence.							
215	Reinforced Concrete Abutment	LF	96	96	0	0	0
(215) Abutments: 33' each (with 7'-6" wings each corner) / Bents 1 & 4.							
227	Reinforced Concrete Pile	EA	10	0	10	0	0
1190	Abrasion/Wear (PSC/RC)	EA	10	0	10	0	0
(227) Piling: 5 per bent \ Bents 2 & 3. Bents 2-3: Some abrasive wear around waterline - CS2 abrasive wear x 10.							
234	Reinforced Concrete Pier Cap	LF	66	60	6	0	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
1130	Cracking (RC and Other)	LF	4	0	4	0	0
(234) Caps: 33' each / Bents 2 & 3. Bent 2 left: Shallow spall on top of end face (no steel exposed) - 2' CS2 spalling. Bent 3 left & right: Some cracking with efflorescence on back and ahead side - 4' CS2 cracking.							
301	Pourable Joint Seal	LF	60	0	0	60	0
2310	Leakage	LF	15	0	0	15	0
2320	Seal Adhesion	LF	30	0	0	30	0
2350	Debris Impaction	LF	15	0	0	15	0
(301) Joints: 30' each / Bents 2-3. Bents 2-3: Poured joint material is intact, but has lost adhesion in most places, allowing joint to fill with dirt and debris and allowing stormwater to leak through joint and onto cap.							
331	Reinforced Concrete Bridge Railing	LF	150	150	0	0	0
(331) Railing: 75' each side.							

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**Team Lead:** Greg Loomis, **Inspection Date:** 05/24/2023

## Deck

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab	SF	2462	1928	534	0	0
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Asset #06142(Routine)

SH 35-07 LM 1.50 over Hudgens Creek Relief

Location: 1.50 Mi E ClevelandCo-Rye

Team Lead: Greg Loomis, Inspection Date: 05/24/2023

## Superstructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL				
				CS1	CS2	CS3	CS4



## SH 35-07 LM 1.50 over Hudgens Creek Relief

**Location: 1.50 Mi E ClevelandCo-Rye**

**Team Lead:** Greg Loomis, **Inspection Date:** 05/24/2023

## Substructure

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
215	Reinforced Concrete Abutment	LF	96	96	0	0	0
(215) Abutments: 33' each (with 7'-6" wings each corner) / Bents 1 & 4.							
227	Reinforced Concrete Pile	EA	10	0	10	0	0
1190	Abrasion/Wear (PSC/RC)	EA	10	0	10	0	0
(227) Piling: 5 per bent \ Bents 2 & 3. Bents 2-3: Some abrasive wear around waterline - CS2 abrasive wear x 10.							
234	Reinforced Concrete Pier Cap	LF	66	60	6	0	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
1130	Cracking (RC and Other)	LF	4	0	4	0	0
(234) Caps: 33' each / Bents 2 & 3. Bent 2 left: Shallow spall on top of end face (no steel exposed) - 2' CS2 spalling. Bent 3 left & right: Some cracking with efflorescence on back and ahead side - 4' CS2 cracking.							



Left side view



Roadway view



Deck - Spans 1-3: Typical



Soffit - Span 2: Typical



Deck - Span 2: Abrasive wear





## 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	Yes
A-60 - Full Beam Painting Needed	
A-61 - Polymer Overlay Advised	Yes
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**



**Asset #06142(Routine)**

**SH 35-07 LM 1.50 over Hudgens Creek Relief**

**Location: 1.50 Mi E ClevelandCo-Rye**

**Team Lead: Greg Loomis, Inspection Date: 05/24/2023**

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

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

**A-59 - Joint Repair Needed (Yes)**

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

**A-61 - Polymer Overlay Advised (Yes)**

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

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

**A-64 - Vegetation Removal Requested**





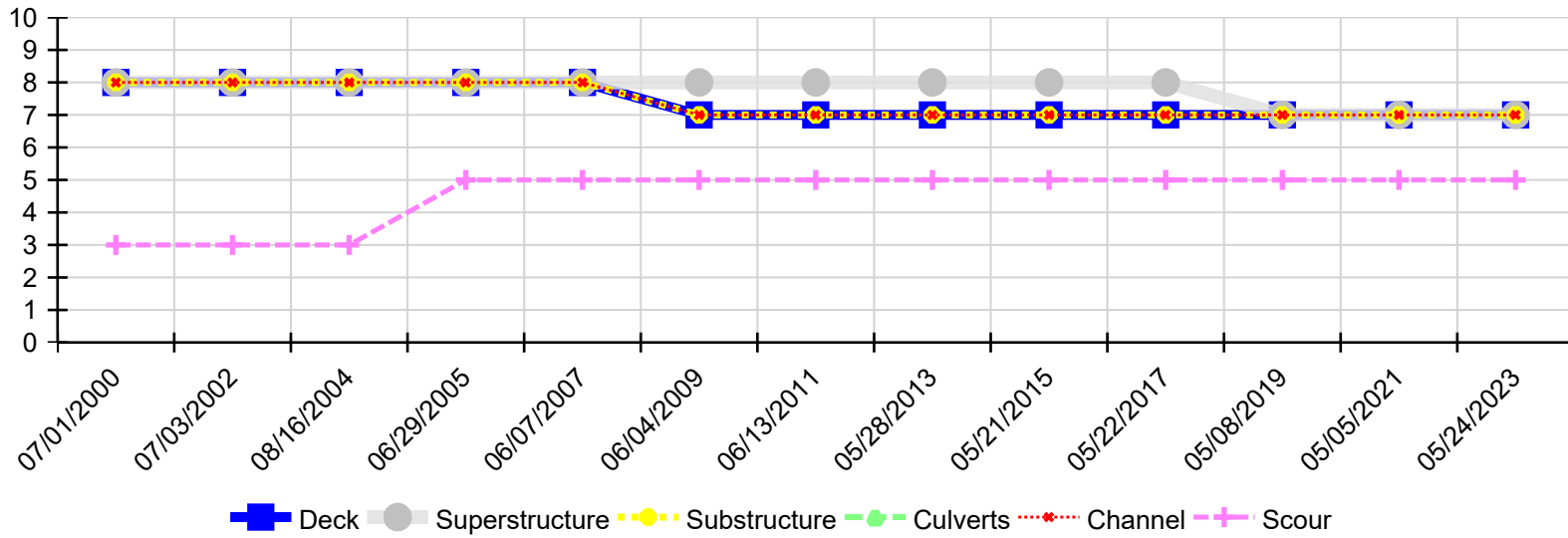
Asset #06142(Routine)

SH 35-07 LM 1.50 over Hudgens Creek Relief

Location: 1.50 Mi E ClevelandCo-Rye

Team Lead: Greg Loomis, Inspection Date: 05/24/2023

Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
05/24/2023	7	7	7	N	7	5
05/05/2021	7	7	7	N	7	5
05/08/2019	7	7	7	N	7	5
05/22/2017	7	8	7	N	7	5
05/21/2015	7	8	7	N	7	5
05/28/2013	7	8	7	N	7	5
06/13/2011	7	8	7	N	7	5
06/04/2009	7	8	7	N	7	5
06/07/2007	8	8	8	N	8	5
06/29/2005	8	8	8	N	8	5
08/16/2004	8	8	8	N	8	3
07/03/2002	8	8	8	N	8	3
07/01/2000	8	8	8	N	8	3