



Latitude:33.99904, Longitude:-91.81435

Route:425 Section:06 Log:4.43

Arnold Road ID:40x425x6xA, Arnold Log mile:4.42

District 02, 79 - Lincoln County

Owner: 1 - State Highway Agency

Bridge Posting Information

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

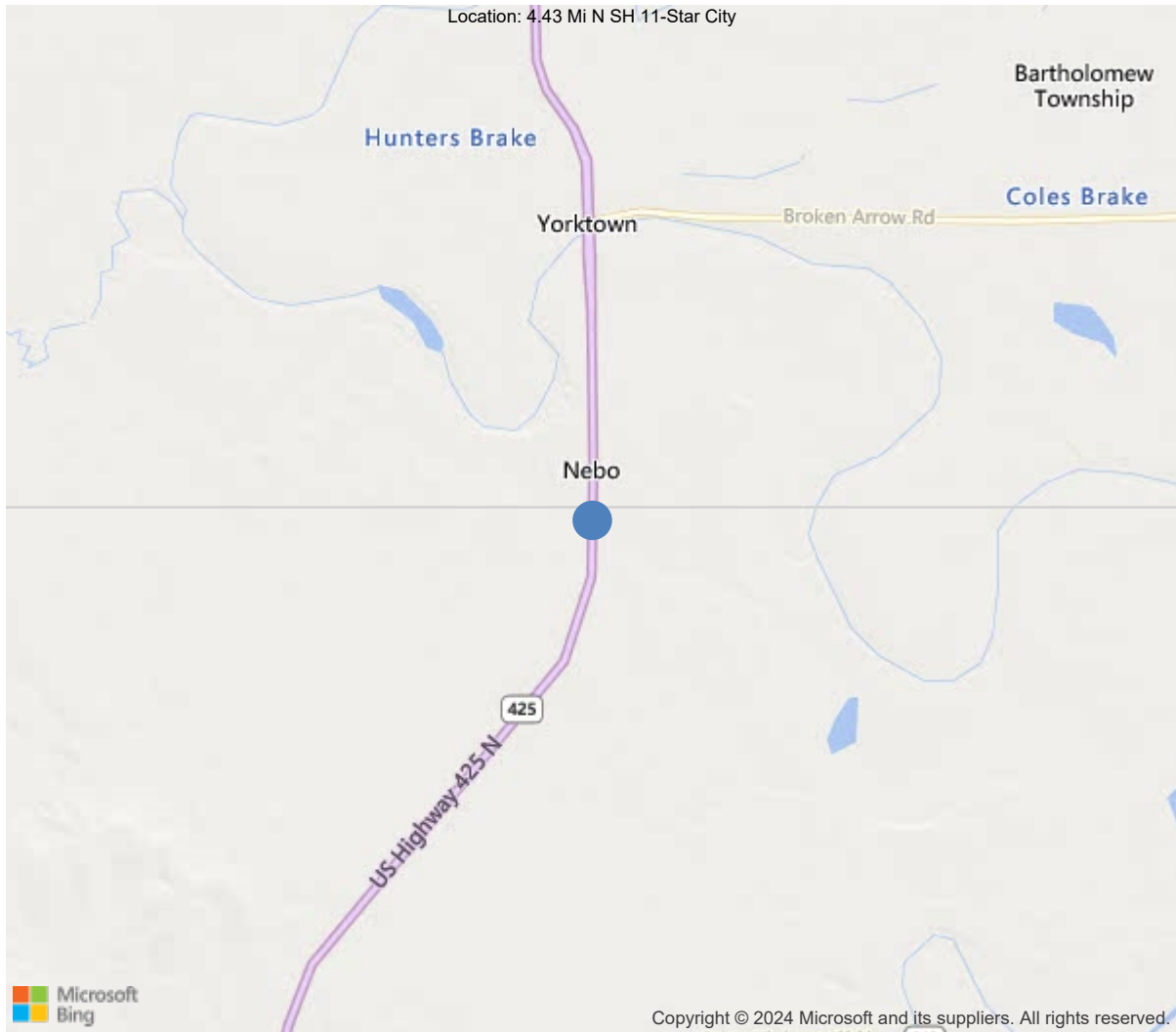
70 - Bridge Posting: 5 - Equal to or above legal loads

Legal Load	Calculated Capacity	Beginning of Bridge Sign Current Value	End of Bridge Sign Current Value
Code 4 (22 Tons)	22		
Code 9 (31 Tons)	39		
Code 5 (40 Tons)	54		

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



33.99904, -91.81435



Asset #M1497(Routine)

US 425-06 LM 4.43 over Flat Creek

Location: 4.43 Mi N SH 11-Star City

Team Lead: Sharon Hooks, Inspection Date: 08/08/2022

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	M1497
(5) Inventory Route	1
(2) Highway Agency District	02 - District 02
(3) County Code	79 - Lincoln County
(4) Place Code	0
(6) Features Intersected	Flat Creek
(7) Facility Carried	US 425-06 LM 4.43
(9) Location	4.43 Mi N SH 11-Star City
(11) Mile Point	4.43 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000425060
(16) Latitude	33.99904
(17) Longitude	-91.81435
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	119
Material	1 - Concrete
Type	19 - Culvert
(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	N - Not applicable
(108) Wearing Surface/Protective System	
Type of Wearing Surface	N - Not applicable (applies only to stru
Type of Membrane	N - Not applicable (applies only to stru
Type of Deck Protection	N - Not applicable (applies only to stru
AGE AND SERVICE	
(27) Year Built	1954
(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	3218
(30) Year of ADT	2018
(109) Truck ADT	18 %
(19) Bypass, Detour Length	30 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	10 ft
(49) Structure Length	32 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	0 ft
(52) Deck Width Out to Out	0 ft
(32) Approach Roadway Width (W/Shoulders)	39 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	99.9 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	1
(26) Functional Class	2 - Rural Principal 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	1 - The inventory route is par
(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	N
(59) Superstructure	N
(60) Substructure	N
(61) Channel & Channel Protection	7
(62) Culverts	7
LOAD RATING AND POSTING	
(31) Design Load	1 - M9 / H10
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1 - Load Factor(LF)
Rating	44
(65) Inventory Rating Method	1 - Load Factor(LF)
(66) Inventory Rating	
Type	
Rating	26
(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	N
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(72) Approach Roadway Alignment	8
(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	5465
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date	08/08/2022		
(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 #M1497(Routine)

District: 02, County: 79 - Lincoln County

Team Lead: Sharon Hooks, Inspection Date: 08/08/2022

General Observation

Beginning of structure toward SH 11, Star City, South End.
Bridge is logged from south to north.

Updated NHS status = '1'. DRB, 10/25/12

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
241	Reinforced Concrete Culvert	LF	132	62	69	1	0
1130	Cracking (RC and Other)	LF	4	0	4	0	0
1190	Abrasion/Wear (PSC/RC)	LF	66	0	65	1	0
(241) Box culvert: 44' each / Barrels 1-3. Barrels 1-3: Abrasive wear on bottom 24" of walls - heaviest from center to right side. Hairline vertical cracks at corners of box walls and wing walls. Channel - Barrels 1 & 3: Some minor erosion at end of bottom slab.							



Elevation.



Barrel 3 view.



Barrel 3 wall abrasion common on all divider walls.



Deck over view.



Approach.



Channel - Barrel 3 left: Erosion @ bottom slab

Maintenance Needs

Date Reported: 08/18/2020

Priority: C - Important

Type of Work: Replace (General)

Status: Repair Documented

Component: Approach

Deficiency Description

Signs - Barrel 1 left: No object marker or post in place.
Signs are in place. 8/8/2022 JRB

Remarks



Barrel 1 left: No object marker



Signs in place. 8/8/2022 JRB



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Location: 4.43 Mi N SH 11-Star City

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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	

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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



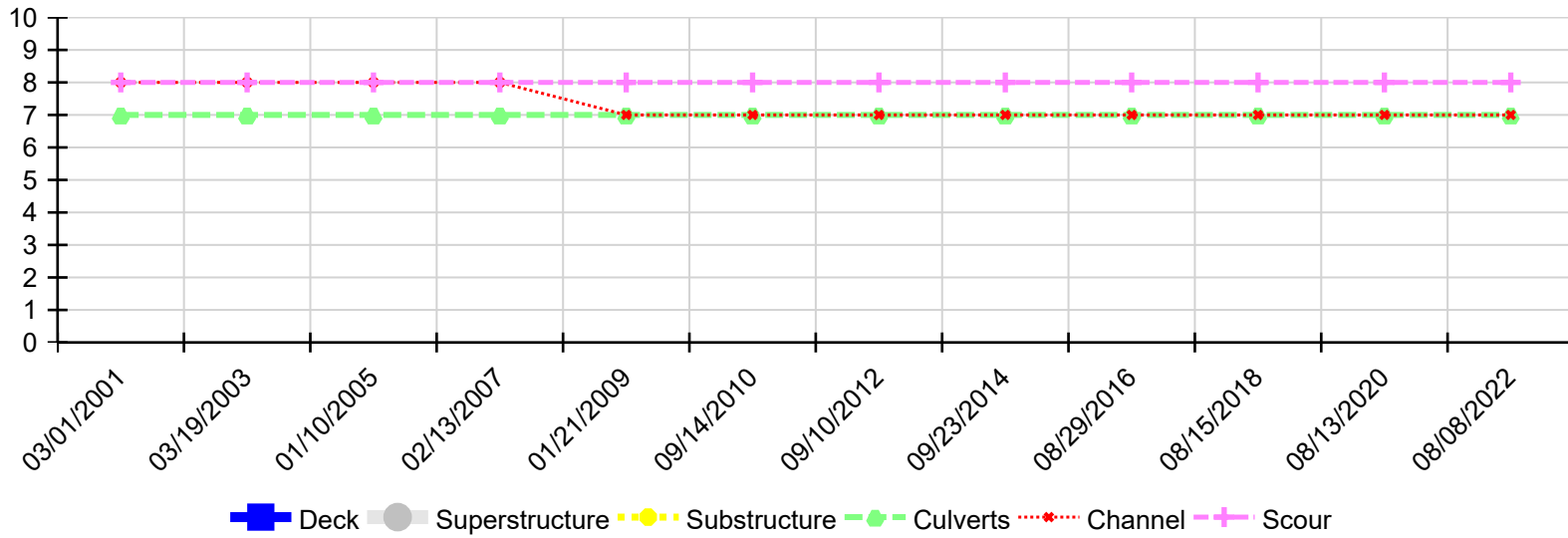
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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
08/08/2022	N	N	N	7	7	8
08/13/2020	N	N	N	7	7	8
08/15/2018	N	N	N	7	7	8
08/29/2016	N	N	N	7	7	8
09/23/2014	N	N	N	7	7	8
09/10/2012	N	N	N	7	7	8
09/14/2010	N	N	N	7	7	8
01/21/2009	N	N	N	7	7	8
02/13/2007	N	N	N	7	8	8
01/10/2005	N	N	N	7	8	8
03/19/2003	N	N	N	7	8	8
03/01/2001	N	N	N	7	8	8