



Latitude:34.80379, Longitude:-91.88877

Route:31 Section:03 Log:1.64

Arnold Road ID:, Arnold Log mile:

District 06, 85 - Lonoke County

Owner: 1 - State Highway Agency

Inspection Direction: 2 - S to N

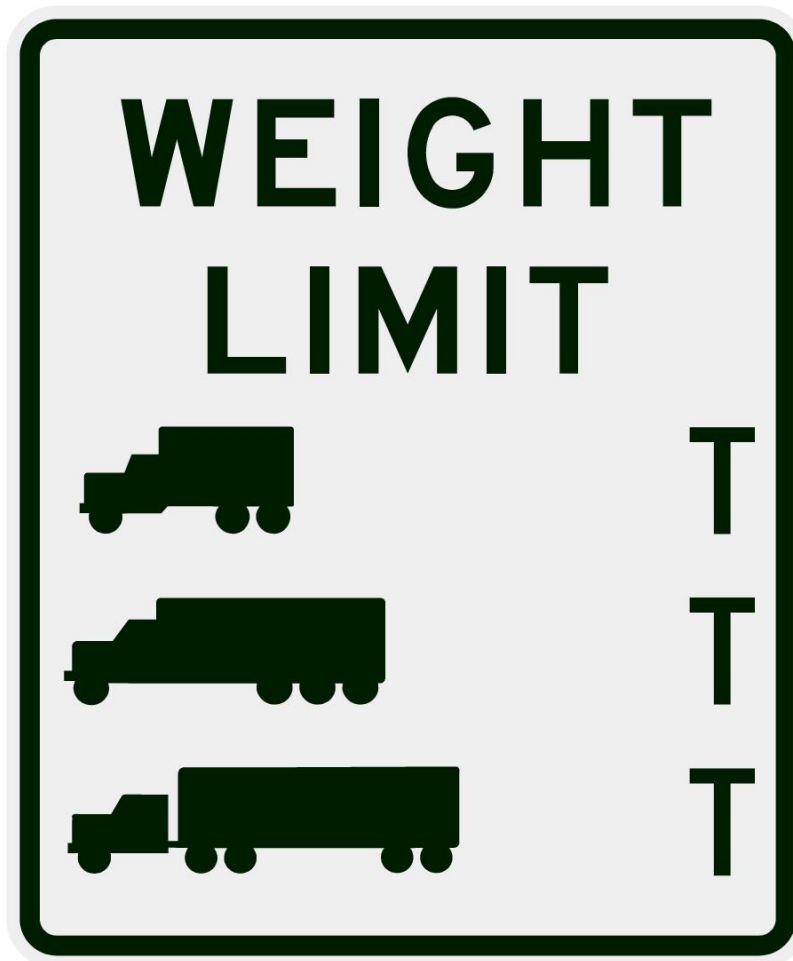
### Bridge Posting Information

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

70 - Bridge Posting:

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

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



**Asset #07605(Routine)**

**AR Hwy 31 over I-40**

**Location: 1.64 MI N US 70**

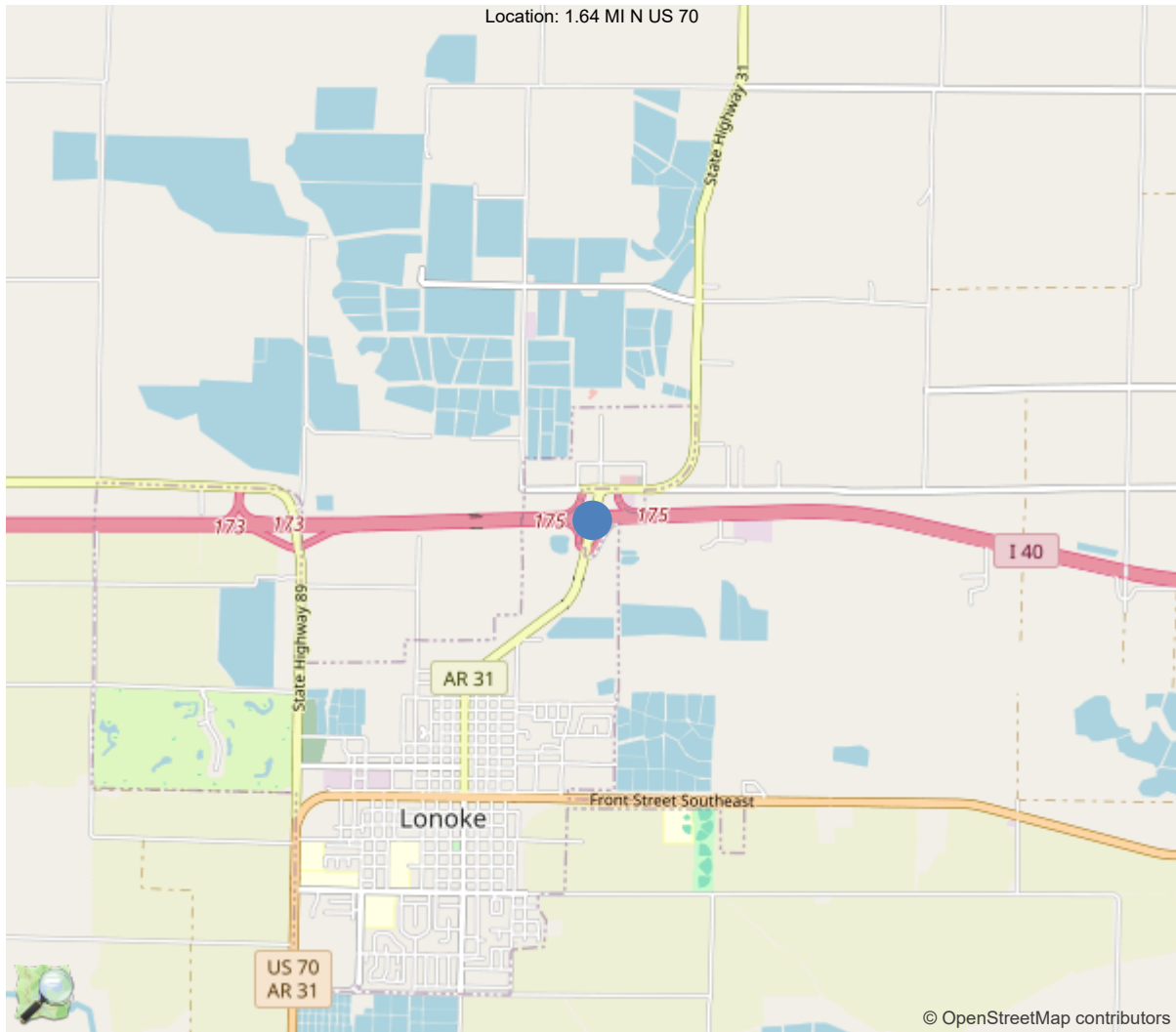
**Team Lead: Shane Byrd Inspection Date: 08/21/2024**

End of Bridge Sign Current Value

An error has occurred while processing TextBox 'textBox19':  
Cannot perform '>=' operation on System.String and System.Int32.

An error has occurred while processing TextBox 'textBox20':  
Cannot perform '>=' operation on System.String and System.Int32.

An error has occurred while processing TextBox 'textBox25':  
Cannot perform '>=' operation on System.String and System.Int32.



34.80379, -91.88877



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AR Hwy 31 over I-40

Location: 1.64 MI N US 70

Team Lead: Shane Byrd Inspection Date: 08/21/2024

IDENTIFICATION	
(1) State Names	5 - Arkansas
(8) Structure Number	07605
(5) Inventory Route	1
(2) Highway Agency District	06 - District 06
(3) County Code	85 - Lonoke County
(4) Place Code	0
(6) Features Intersected	I-40
(7) Facility Carried	AR Hwy 31
(9) Location	1.64 MI N US 70
(11) Mile Point	1.64 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	0000031030
(16) Latitude	34.80379
(17) Longitude	-91.88877
(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	1 - Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	0 - None (no additional concrete thickne
Type of Membrane	N - Not applicable (applies only to stru
Type of Deck Protection	1 - Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2024
(106) Year Reconstructed	0
(42) Type of Service	51
On	5 - Highway-pedestrian
Under	1 - Highway, with or without pedestrian
(28) Lane	
On	3
Under	4
(29) Average Daily Traffic	6485
(30) Year of ADT	2018
(109) Truck ADT	2 %
(19) Bypass, Detour Length	9 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	110 ft
(49) Structure Length	222.3 ft
(50) Curb or Sidewalk Width	
Left	6.5 ft
Right	12 ft
(51) Bridge Roadway Width Curb to Curb	41 ft
(52) Deck Width Out to Out	63.2 ft
(32) Approach Roadway Width (W/Shoulders)	36 ft
(33) Bridge Median	0 - No median
(34) Skew	16 Deg
(35) Structure Flared	0 - No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	41 ft
(53) Min Vert Clear Over Bridge Rdwy	99.99 ft
(54) Min Vert Underclear	ft
Ref:	
(55) Min Lat Underclear RT	ft
Ref:	
(56) Min Lat Underclear LT	ft
NAVIGATION DATA	
(38) Navigation Control	N - Not applicable, no waterwa
(111) Pier Protection	1 - Navigation protection not
(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	6 - Rural Minor 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	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	8
(59) Superstructure	8
(60) Substructure	8
(61) Channel & Channel Protection	N
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	
(63) Operating Rating Method	
(64) Operating Rating	
Type	
Rating	
(65) Inventory Rating Method	
(66) Inventory Rating	
Type	
Rating	
(70) Bridge Posting	
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	
(68) Deck Geometry	
(69) Clearances, Vertical/Horizontal	
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	6
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	1 - Inspected feature meets current
(36C) Approach Guardrail	1 - Inspected feature meets current
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(113) Scour Critical Bridges	
PROPOSED IMPROVEMENTS	
(75) Type of Work	
(76) Length of Structure Improvement	ft
(94) Bridge Improvement Cost	\$
(95) Roadway Improvement Cost	\$
(96) Total Project Cost	\$
(97) Year of Improvement Cost Estimate	
(114) Future ADT	
(115) Year of Future ADT	

INSPECTIONS *			
(90) Inspection Date	08/21/2024		
(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 #07605(Routine)**

**AR Hwy 31 over I-40**

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#### **General Observation**

Routine safety inspection. MSB 08/21/2024.

Will complete a routine inspection when bridge is substantially complete.



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ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Reinforced Concrete Deck	SF	13895	13895	0	0	0
107	Steel Open Girder/Beam	LF	1760	1760	0	0	0
515	Steel Protective Coating	SF	19642	19642	0	0	0
205	Reinforced Concrete Column	EA	4	4	0	0	0
215	Reinforced Concrete Abutment	LF	132	132	0	0	0
234	Reinforced Concrete Pier Cap	LF	64	64	0	0	0
301	Pourable Joint Seal	LF	126	126	0	0	0
310	Elastomeric Bearing	EA	24	24	0	0	0
330	Metal Bridge Railing	LF	660	660	0	0	0
515	Steel Protective Coating	SF	1100	1100	0	0	0
331	Reinforced Concrete Bridge Railing	LF	660	660	0	0	0



Elevation.



Span 1 undersurface.



Bent 1 bearing 5.



Unpainted girders.



08/21/2024

Bent 3 pourable joint seal.



08/21/2024

Deck overview.



08/21/2024

Bent 1 pourable joint seal.



08/21/2024

Approach Northbound.



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## 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	No
A-58 - Cap Cleaning/Flushing Needed	No
A-59 - Joint Repair Needed	No
A-60 - Full Beam Painting Needed	No
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-54 - Sealable Deck Cracks (No)**

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

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



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**A-57 - Girder End and Bearing Painting Needed (No)**

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

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

**A-60 - Full Girder Painting Needed (No)**

**A-61 - Polymer Overlay Advised (No)**

**A-62 - Hydro and LMC Advised (No)**

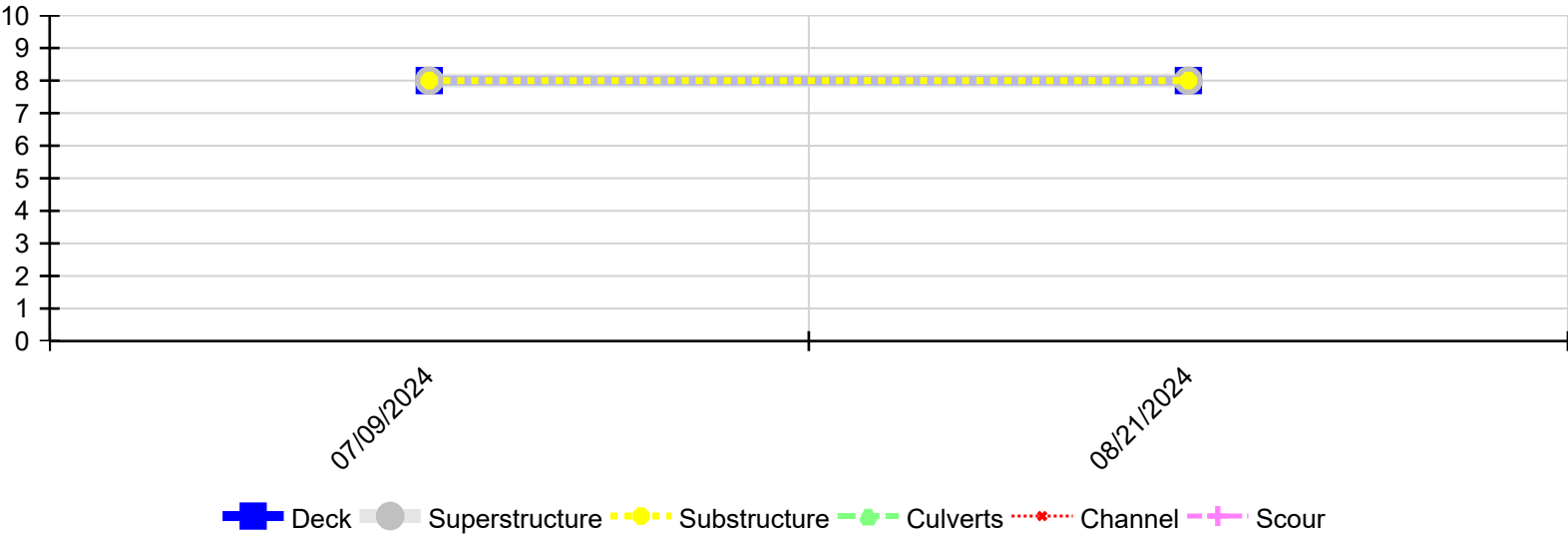
**A-63 - Missing/Incorrect Log Mile Signage (No)**

**A-64 - Vegetation Removal Requested (No)**



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Condition History



Inspection Date	Deck	Superstructure	Substructure	Culverts	Channel	Scour
08/21/2024	8	8	8	N	N	N
07/09/2024	8	8	8	N	N	N