



Latitude:33.94938, Longitude:-93.77443

Route:371 Section:03 Log:2.91

Arnold Road ID:29x371x3xA, Arnold Log mile:2.894

District 03, Hempstead County

Owner: 1-State Highway Agency



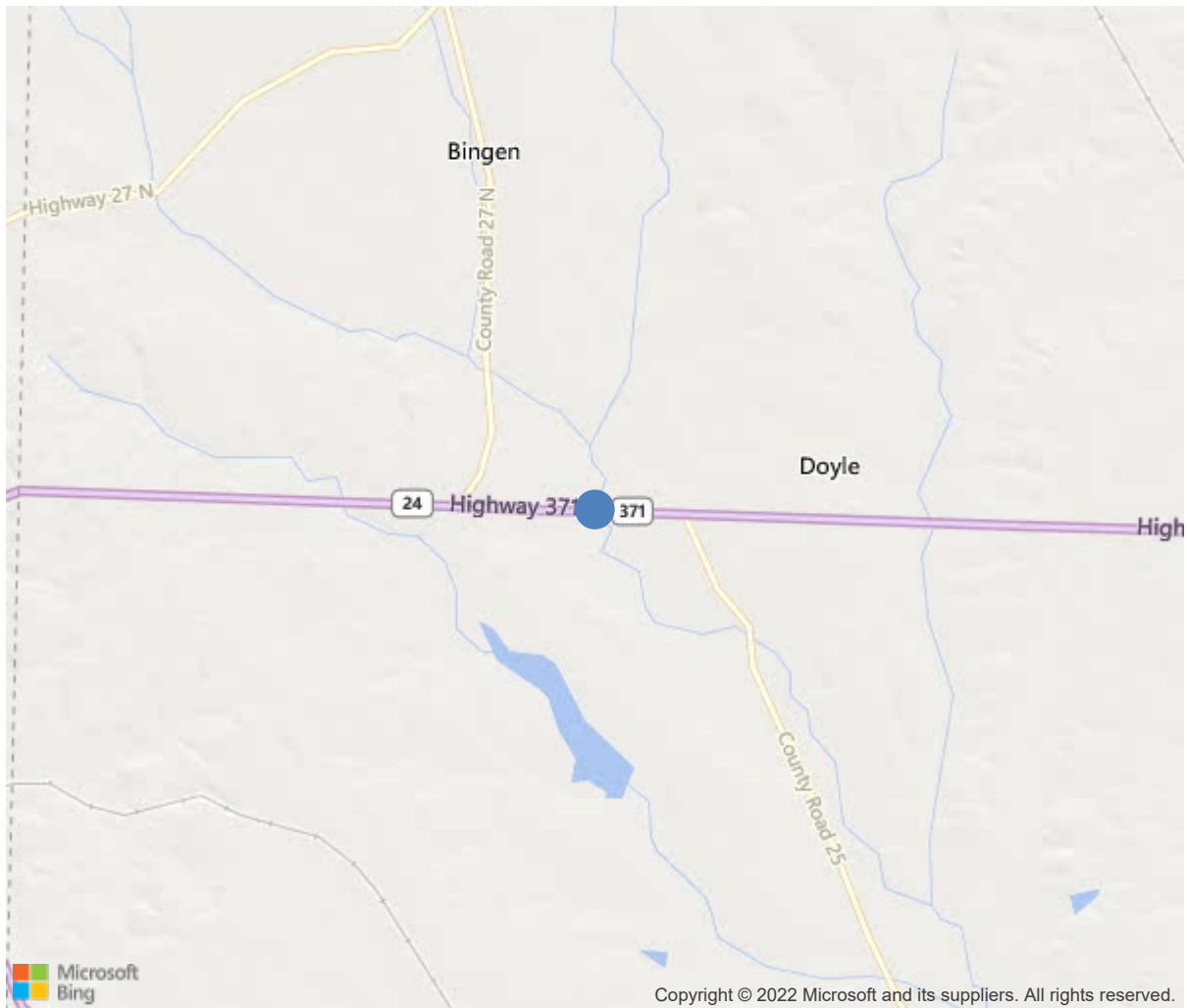
Bridge #07215(Routine, Underwater type 2)

US 371 -03-2.91 over OZAN CREEK

Location: 3.9 M FROM SH 27

Team Lead: John King **Inspection Date:** May 19, 2021

3.9 M FROM SH 27



33.94938, -93.77443

Inspection Direction : W to E



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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	07215
(5) Inventory Route	371
(2) Highway Agency District	03
(3) County Code	57-Hempstead County, Arkansas
(4) Place Code	0
(6) Features Intersected	OZAN CREEK
(7) Facility Carried	US 371 -03-2.91
(9) Location	3.9 M FROM SH 27
(11) Mile Point	2.91 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	33.9493798999057
(17) Longitude	-93.7744281484794
(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	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	1-Monolithic Concrete (concurrently placed
Type of Membrane	0-None
Type of Deck Protection	1-Epoxy Coated Reinforcing
AGE AND SERVICE	
(27) Year Built	2013
(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	2500
(30) Year of ADT	2014
(109) Truck ADT	16 %
(19) Bypass, Detour Length	32 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	70 ft
(49) Structure Length	180 ft
(50) Curb or Sidewalk Width	
Left	0 ft
Right	0 ft
(51) Bridge Roadway Width Curb to Curb	40 ft
(52) Deck Width Out to Out	43 ft
(32) Approach Roadway Width (W/Shoulders)	40 ft
(33) Bridge Median	0-No median
(34) Skew	0 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	40 ft
(53) Min Vert Clear Over Bridge Rdwy	99.9 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 water
(111) Pier Protection	1-Navigation protection not requ
(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 a S
(101) Parallel Structure	N-No parallel structure exists.
(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 part of the
(20) Toll	3-On free road. The structure is toll-
(21) Maintain	1-State Highway Agency
(22) Owner	1-State Highway Agency
(37) Historical Significance	5-Bridge is not eligible for the NRHP
CONDITION	
(58) Deck	7
(59) Superstructure	8
(60) Substructure	8
(61) Channel & Channel Protection	8
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	A-HL93
(63) Operating Rating Method	3
(64) Operating Rating	
Type	3-Load and Resistance Factor(LRFR)
Rating	43
(65) Inventory Rating Method	3-Load and Resistance Factor(LRF
(66) Inventory Rating	
Type	3
Rating	33
(70) Bridge Posting	5-Equal to or above legal loads
(41) Structure Open/Posted/Closed	A-Open, no restriction
APPRAISAL	
(67) Structural Evaluation	7
(68) Deck Geometry	6
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	7
(72) Approach Roadway Alignment	7
(36A) Bridge Railings	1-Inspected feature meets currently a
(36B) Transitions	1-Inspected feature meets currently a
(36C) Approach Guardrail	1-Inspected feature meets currently a
(36D) Approach Guardrail Ends	1-Inspected feature meets currently a
(113) Scour Critical Bridges	5-Bridge foundations determined to be
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	0
(114) Future ADT	2600
(115) Year of Future ADT	2031

INSPECTIONS *			
(90) Inspection Date	05/2021		
(91) Frequency	24 Months		
(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.			

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12 (12) 05/2017 Hairline cracks in deck all spans not sealable at this time. Efflorescence on overhang 3 FT centers right and left side of bridge bottom side.....	Reinforced Concrete Deck	SF	7740	7740	0	0	0
107 515	Steel Open Girder/Beam Steel Protective Coating	LF SF	900 7506	900 7506	0 0	0 0	0 0
204	Prestressed Concrete Column	EA	12	12	0	0	0
215 (215) 2 ft of efflorescence in abutment 1 1 ft of efflorescence in abutment 2	Reinforced Concrete Abutment	LF	106	106	0	0	0
234	Reinforced Concrete Pier Cap	LF	82	82	0	0	0
310	Elastomeric Bearing	EA	10	10	0	0	0
321 1130 (321) 9 ft of cracking in end of bridge approach slab, RT shoulder.	Reinforced Concrete Approach Slab Cracking (RC and Other)	SF SF	2160 9	2151 0	9 9	0 0	0 0
331 1130 (331) Cracking in both bridge railings	Reinforced Concrete Bridge Railing Cracking (RC and Other)	LF LF	362 94	268 0	94 94	0 0	0 0



Under photo span #3



Efflorescence on the soffits with cracking



Deck



Cracks in the parapet wall



Deck



Cracks in the typical



Alignment



SS



Deck



Underside of deck typical all spans



AL



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Team Lead: John King **Inspection Date:** May 19, 2021

Inspection Comments

5/09/2017 AL,CH,SS,Deck Photo,and def.photos taken. Hairline cracks in deck all spans not sealable at this time. Efflorescence on overhang 3 FT centers right and left side of bridge bottom side.....5/20/2019...AL, SS, Deck photos taken. Efflorescence in abutments, cracking on both bridge railings, cracking in end of bridge approach slab.....5-19-21 AL,SS,Deck and under deck photos taken per this inspection also soundings taken little to no change in condition

Deck Notes

Deck cracks also cracks in the parapet wall small none sealable. Cracking also in the soffits typical both sides

Superstructure Notes

Girders/Beams: WEATHERING STEEL BEAMS

Bearings: ELASTOMERIC BEARINGS