



Latitude:35.75919, Longitude:-92.23108

Route:9 Section:11 Log:4.889

Arnold Road ID:69x9x11xA, Arnold Log mile:4.875

District 05, Stone County

Owner: 1-State Highway Agency



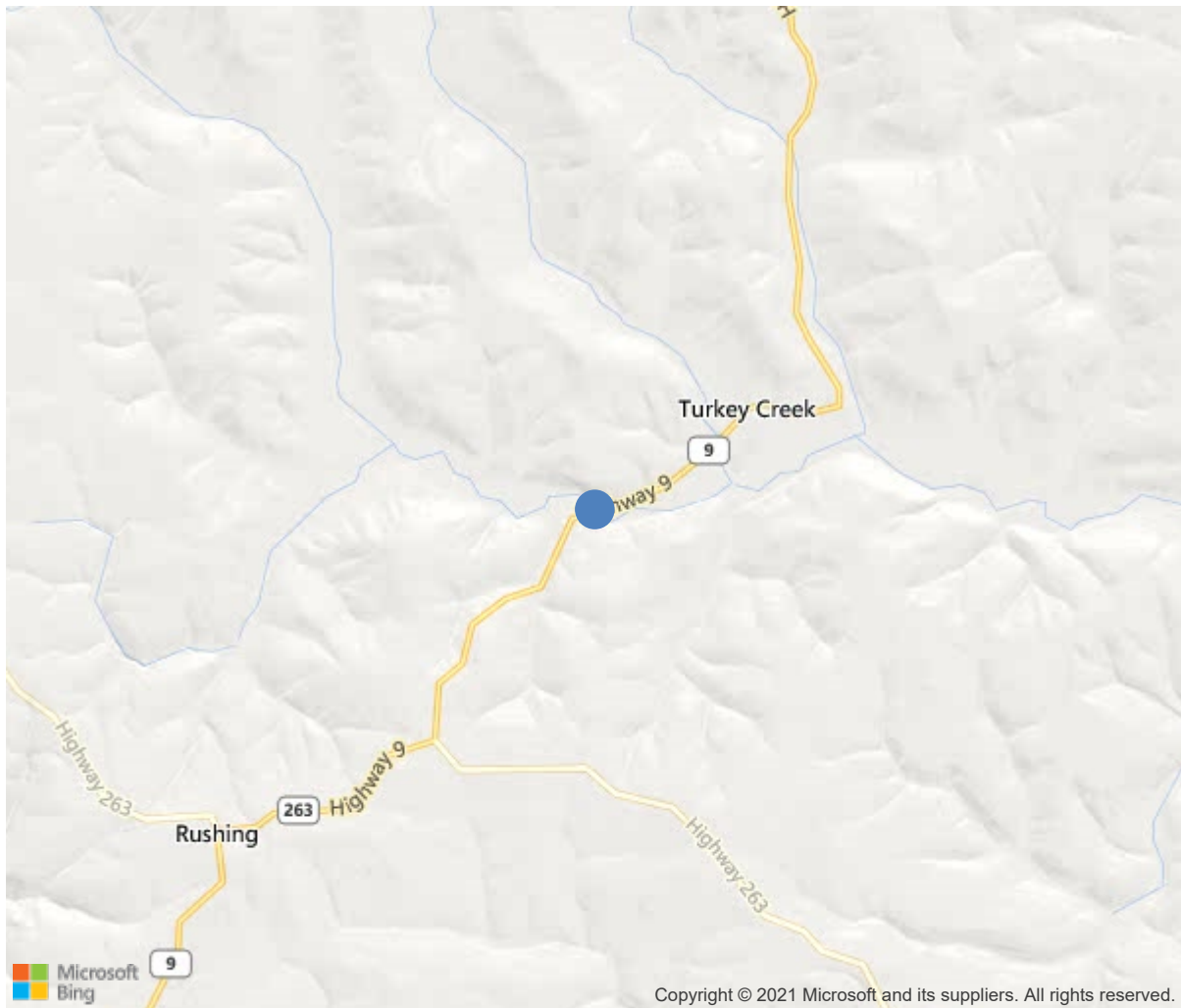
Bridge #05186(Routine, Underwater type 2)

SH 9/Stone County over TURKEY CREEK

Location: 4.89 MI NE VAN BUREN CO

Team Lead: Nathan Edwards Inspection Date: November 17, 2020

4.89 MI NE VAN BUREN CO



35.75919, -92.23108



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Location: 4.89 MI NE VAN BUREN CO

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IDENTIFICATION	
(1) State Names	Arkansas
(8) Structure Number	05186
(5) Inventory Route	9
(2) Highway Agency District	05
(3) County Code	137-Stone County, Arkansas
(4) Place Code	0
(6) Features Intersected	TURKEY CREEK
(7) Facility Carried	SH 9/Stone County
(9) Location	4.89 MI NE VAN BUREN CO
(11) Mile Point	4.889 mi
(12) Base Highway Network	No
(13) LRS Inventory Rte & Subrte	0000000000
(16) Latitude	35.75919
(17) Longitude	-92.23108
(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	6
(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	0-None
AGE AND SERVICE	
(27) Year Built	1968
(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	2014
(109) Truck ADT	1 %
(19) Bypass, Detour Length	9 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	28 ft
(49) Structure Length	168 ft
(50) Curb or Sidewalk Width	
Left	1.5 ft
Right	1.5 ft
(51) Bridge Roadway Width Curb to Curb	24 ft
(52) Deck Width Out to Out	30 ft
(32) Approach Roadway Width (W/Shoulders)	22 ft
(33) Bridge Median	0-No median
(34) Skew	35 Deg
(35) Structure Flared	No flare
(10) Inventory Route Min Vert Clear	99.99 ft
(47) Inventory Route Total Horiz Clear	26.9 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 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	0-The inventory route is not part of
(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	6
(59) Superstructure	6
(60) Substructure	6
(61) Channel & Channel Protection	7
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	2-M 13.5 / H 15
(63) Operating Rating Method	1
(64) Operating Rating	
Type	1-Load Factor(LF)
Rating	41
(65) Inventory Rating Method	1-Load Factor(LF)
(66) Inventory Rating	
Type	6
Rating	25
(70) Bridge Posting	5-Equal to or above legal loads
(41) Structure Open/Posted/Closed	A-Open, no restriction
APPRAISAL	
(67) Structural Evaluation	6
(68) Deck Geometry	4
(69) Clearances, Vertical/Horizontal	N
(71) Waterway Adequacy	8
(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	8-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	
(114) Future ADT	1458
(115) Year of Future ADT	2028

INSPECTIONS *			
(90) Inspection Date			11/2020
(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.			

Team Lead: Nathan Edwards, **Inspection Date:** November 17, 2020

ELEM		DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
38	RC Slab		SF	4397	3843	501	53	0
1080	Delamination/Spall/Patched Area		SF	262	0	241	21	0
1090	Exposed Rebar		SF	26	0	0	26	0
1120	Efflorescence/Rust Staining		SF	6	0	0	6	0
1130	Cracking (RC and Other)		SF	260	0	260	0	0
(38)								
See attached Form-III for detailed locations and descriptions of deficiencies.								
205	Reinforced Concrete Column		EA	10	3	4	3	0
1080	Delamination/Spall/Patched Area		EA	1	0	0	1	0
1090	Exposed Rebar		EA	1	0	0	1	0
1130	Cracking (RC and Other)		EA	1	0	0	1	0
1190	Abrasion/Wear (PSC/RC)		EA	4	0	4	0	0
(205)								
See attached Form-III for detailed locations and descriptions of deficiencies.								
215	Reinforced Concrete Abutment		LF	80	80	0	0	0
220	Reinforced Concrete Pile Cap/Footing		LF	18	0	18	0	0
6000	Scour		LF	18	0	18	0	0
(220)								
Bent 2 - Lt. & Rt. footing exposed. Bent 4 - Lt. footing exposed.								
234	Reinforced Concrete Pier Cap		LF	170	106	13	51	0
1080	Delamination/Spall/Patched Area		LF	16	0	9	7	0
1090	Exposed Rebar		LF	26	0	0	26	0
1120	Efflorescence/Rust Staining		LF	7	0	4	3	0
1130	Cracking (RC and Other)		LF	15	0	0	15	0
(234)								
See attached Form-III for detailed locations and descriptions of deficiencies.								
301	Pourable Joint Seal		LF	150	0	0	150	0
2310	Leakage		LF	120	0	0	120	0
2360	Adjacent Deck or Header		LF	30	0	0	30	0
(301)								



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Team Lead: Nathan Edwards, **Inspection Date:** November 17, 2020

ELEM	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
See attached Form-III for detailed locations and descriptions of deficiencies.							
330	Metal Bridge Railing	LF	676	676	0	0	0



Roadway with Log Mile running Southwest to Northeast.

Maintenance Needs

Date Reported: 12/02/2010

Priority: D- Routine

Type of Work: N/A

Status: Monitor

Component:

Deficiency Description

Spans 1 thru 6 have spalls with rebar exposed to soffit around drain openings & edges of deck.

Remarks



Spall with rebar exposed to Left edge of deck @ Span 5.



Spalls with rebar exposed to soffit @ Right drain opening @ Span 6.

Date Reported: 12/02/2010

Priority: D- Routine

Type of Work: N/A

Status: Monitor

Component:

Deficiency Description

Caps @
Bents 1, 2, and 4 have spalls with rebar exposed.

Remarks



Spalls with rebar exposed to cap @ Bent 4.



Spalls with rebar exposed to ahead side of cap @ Bent 1.



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Date Reported: 12/02/2010
Priority: C - Important
Type of Work: N/A
Status: Assigned
Component:

Deficiency Description

All poured joints are cracked, deteriorated, and leak.

Remarks



Joint seal @ Bent 3.



Joint seal @ Bent 2.

Date Reported: 11/13/2014

Priority: D- Routine

Type of Work: Repair

Status: Monitor

Component: Deck

Deficiency Description

Spall with rebar exposed to deck @ beginning of Span 6 Left lane.

Remarks



Spall with rebar exposed to deck @ beginning of Span 6 Left lane.



Rebar is no longer visible. Remove



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Inspection Comments

Elevation with Log Mile running to the Right.

Job Number 5575